

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN113018\
 Data File : VN052602.D
 Acq On : 30 Nov 2018 13:08
 Operator : MD\SY
 Sample : VN1130WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/3/2018 10:49:38 AM

Quant Time: Dec 01 01:24:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	984050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1562106	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1361661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	595097	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	545445	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
35) Dibromofluoromethane	7.59	113	488886	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
50) Toluene-d8	10.09	98	1843007	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
62) 4-Bromofluorobenzene	12.40	95	614984	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	165953	18.011	ug/l	99
3) Chloromethane	2.06	50	223055	18.340	ug/l	99
4) Vinyl Chloride	2.19	62	234001	18.729	ug/l	99
5) Bromomethane	2.58	94	138706	17.793	ug/l	99
6) Chloroethane	2.71	64	142826	18.873	ug/l	99
7) Trichlorofluoromethane	3.02	101	297107	19.359	ug/l	100
8) Diethyl Ether	3.41	74	111711	19.711	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	186335	19.458	ug/l	99
10) Methyl Iodide	3.96	142	253706	19.891	ug/l	99
11) Tert butyl alcohol	4.78	59	57329	106.878	ug/l	98
12) 1,1-Dichloroethene	3.74	96	179818	19.507	ug/l	98
13) Acrolein	3.61	56	70629	98.490	ug/l	98
14) Allyl chloride	4.33	41	306069	19.265	ug/l	98
15) Acrylonitrile	4.99	53	328731	96.815	ug/l	99
16) Acetone	3.82	43	246719	87.301	ug/l	100
17) Carbon Disulfide	4.06	76	499934	17.234	ug/l	100
18) Methyl Acetate	4.33	43	163447	20.163	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	496600	20.248	ug/l	99
20) Methylene Chloride	4.55	84	207897	18.799	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	196321	19.941	ug/l	96
22) Diisopropyl ether	5.95	45	658483	19.732	ug/l	96
23) Vinyl Acetate	5.90	43	2047913	98.526	ug/l	100
24) 1,1-Dichloroethane	5.85	63	375461	19.705	ug/l	100
25) 2-Butanone	6.84	43	373766	93.310	ug/l	98
26) 2,2-Dichloropropane	6.83	77	256663	19.461	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	227655	19.851	ug/l	97
28) Bromochloromethane	7.20	49	181146	20.815	ug/l	95
29) Tetrahydrofuran	7.21	42	246443	95.387	ug/l	99
30) Chloroform	7.37	83	365403	19.221	ug/l	98
31) Cyclohexane	7.66	56	346751	18.572	ug/l	# 92
32) 1,1,1-Trichloroethane	7.57	97	303167	20.128	ug/l	98
36) 1,1-Dichloropropene	7.79	75	280344	19.005	ug/l	98
37) Ethyl Acetate	6.93	43	170499	18.939	ug/l	100
38) Carbon Tetrachloride	7.78	117	259647	19.443	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN113018\
 Data File : VN052602.D
 Acq On : 30 Nov 2018 13:08
 Operator : MD\SY
 Sample : VN1130WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1130WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/3/2018 10:49:38 AM

Quant Time: Dec 01 01:24:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	326795	18.226	ug/l	100
40) Benzene	8.04	78	852455	19.391	ug/l	100
41) Methacrylonitrile	7.17	41	101213	20.564	ug/l	97
42) 1,2-Dichloroethane	8.13	62	259078	19.463	ug/l	100
43) Isopropyl Acetate	8.17	43	303053	19.892	ug/l	98
44) Trichloroethene	8.84	130	220016	19.538	ug/l	99
45) 1,2-Dichloropropane	9.12	63	225306	19.277	ug/l	98
46) Dibromomethane	9.21	93	128944	19.929	ug/l	99
47) Bromodichloromethane	9.40	83	272533	19.373	ug/l	100
48) Methyl methacrylate	9.20	41	149997	18.882	ug/l	98
49) 1,4-Dioxane	9.20	88	36234	439.488	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	830605	97.169	ug/l	100
52) Toluene	10.16	92	515357	19.731	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	261788	19.344	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	318463	19.637	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	184665	20.099	ug/l	98
56) Ethyl methacrylate	10.43	69	229193	19.690	ug/l	99
57) 1,3-Dichloropropane	10.71	76	313341	19.315	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	664257	99.636	ug/l	98
59) 2-Hexanone	10.75	43	545880	95.150	ug/l	100
60) Dibromochloromethane	10.90	129	196070	19.649	ug/l	100
61) 1,2-Dibromoethane	11.01	107	175999	19.287	ug/l	100
64) Tetrachloroethene	10.63	164	208792	19.777	ug/l	99
65) Chlorobenzene	11.43	112	557449	19.854	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	195129	19.987	ug/l	99
67) Ethyl Benzene	11.51	91	964000	19.606	ug/l	100
68) m/p-Xylenes	11.62	106	727041	39.720	ug/l	99
69) o-Xylene	11.95	106	354019	19.917	ug/l	100
70) Styrene	11.96	104	569538	20.117	ug/l	99
71) Bromoform	12.13	173	127479	19.721	ug/l #	100
73) Isopropylbenzene	12.25	105	941083	20.156	ug/l	99
74) N-amyl acetate	12.07	43	236628	20.061	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	208218	19.605	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	178149m	19.413	ug/l	
77) Bromobenzene	12.53	156	232469	20.144	ug/l	98
78) n-propylbenzene	12.59	91	1060726	19.998	ug/l	99
79) 2-Chlorotoluene	12.68	91	630788	19.970	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	765120	20.548	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	51792	18.848	ug/l	98
82) 4-Chlorotoluene	12.77	91	633791	19.910	ug/l	100
83) tert-Butylbenzene	12.99	119	669679	20.173	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	763695	20.465	ug/l	99
85) sec-Butylbenzene	13.17	105	894540	19.784	ug/l	99
86) p-Isopropyltoluene	13.29	119	764924	19.863	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	396346	19.634	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	388452	19.536	ug/l	98
89) n-Butylbenzene	13.62	91	619666	19.348	ug/l	100
90) Hexachloroethane	13.88	117	128128	19.649	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	389133	20.177	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29631	19.507	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN113018\
Data File : VN052602.D
Acq On : 30 Nov 2018 13:08
Operator : MD\SY
Sample : VN1130WBSD02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

Manual Integrations
APPROVED

MMDadoda
12/3/2018 10:49:38 AM

Quant Time: Dec 01 01:24:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 28 01:11:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	180907	18.984	ug/l	99
94) Hexachlorobutadiene	15.01	225	118988	19.178	ug/l	99
95) Naphthalene	15.13	128	373051	18.937	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	175613	19.820	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

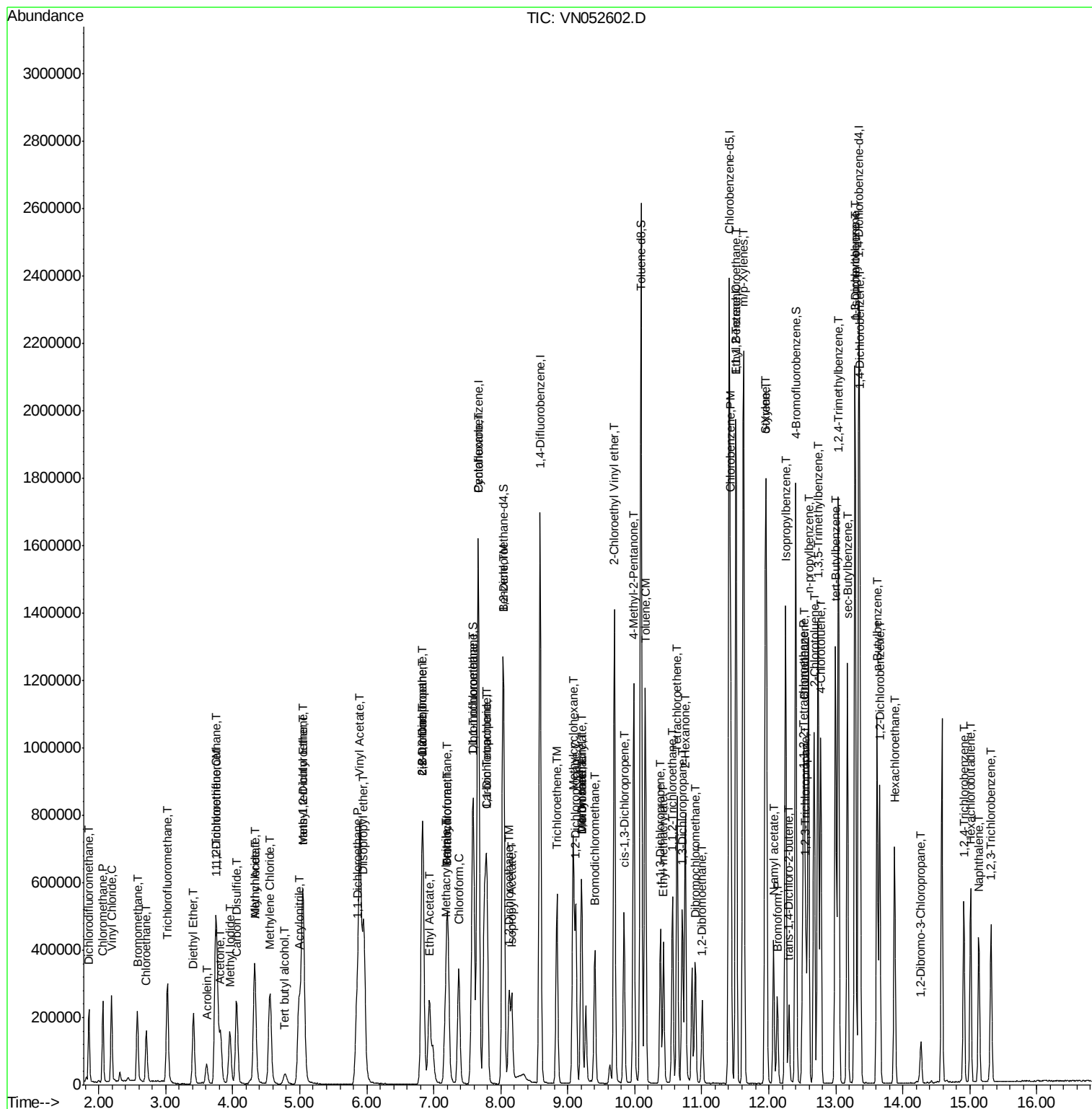
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN113018\
Data File : VN052602.D
Acq On : 30 Nov 2018 13:08
Operator : MD\SY
Sample : VN1130WBSD02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 28

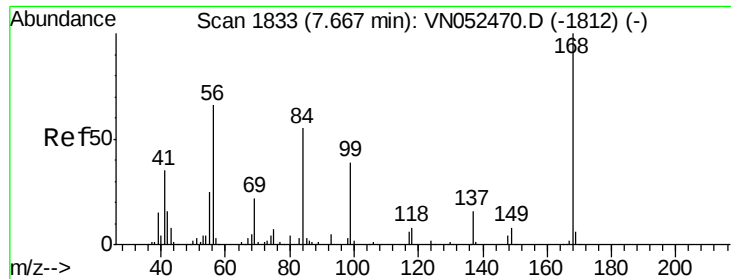
Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

Manual Integrations
APPROVED

MMDadoda
12/3/2018 10:49:38 AM

Quant Time: Dec 01 01:24:22 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 28 01:11:38 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

Tgt Ion: 168 Resp: 984050

Ion Ratio Lower Upper

168 100

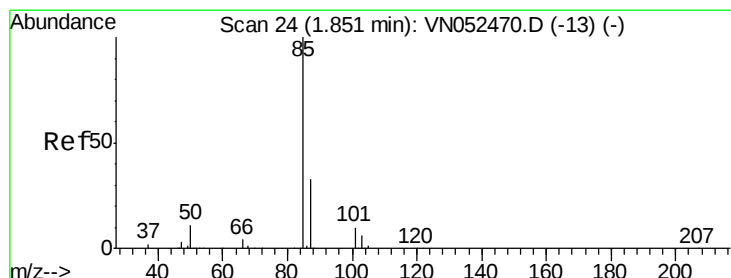
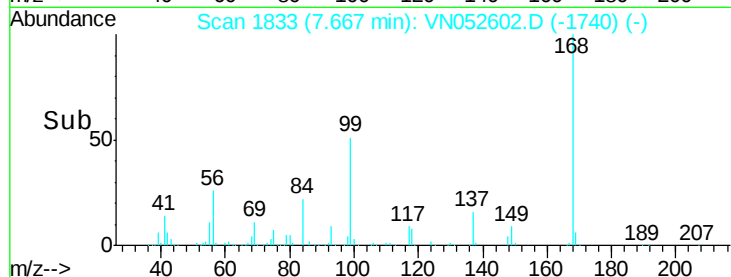
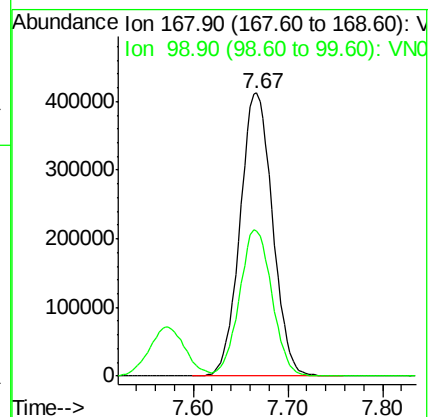
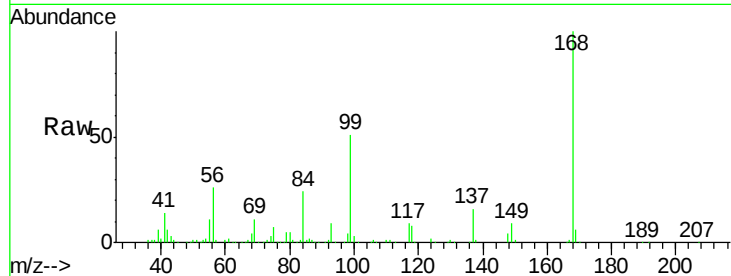
99 51.4 41.7 62.5

Manual Integrations

APPROVED

MMDadoda

12/3/2018 10:49:38 AM



#2

Dichlorodifluoromethane

Concen: 18.011 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052602.D

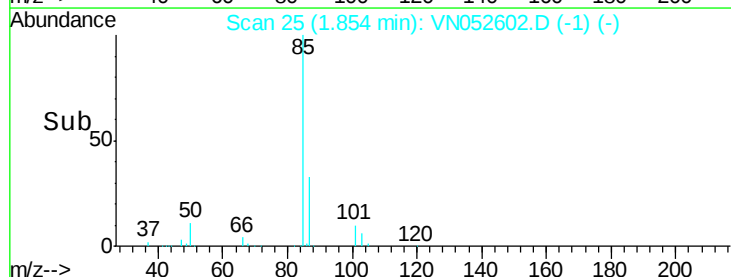
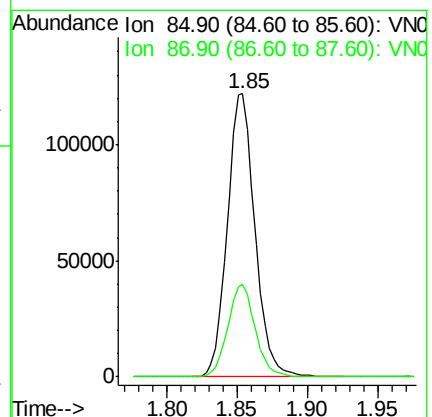
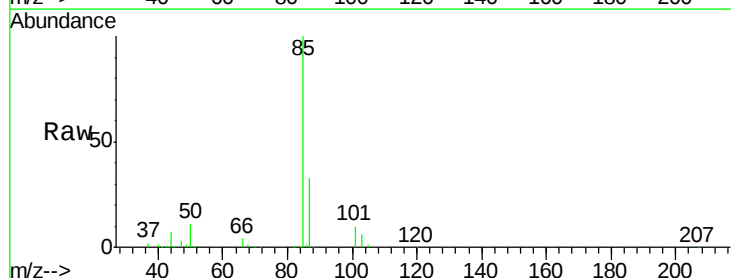
Acq: 30 Nov 2018 13:08

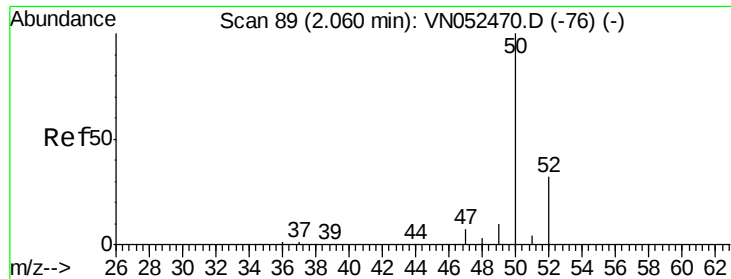
Tgt Ion: 85 Resp: 165953

Ion Ratio Lower Upper

85 100

87 32.6 16.7 50.1





#3

Chloromethane

Concen: 18.340 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

Tgt Ion: 50 Resp: 223055

Ion Ratio Lower Upper

50 100

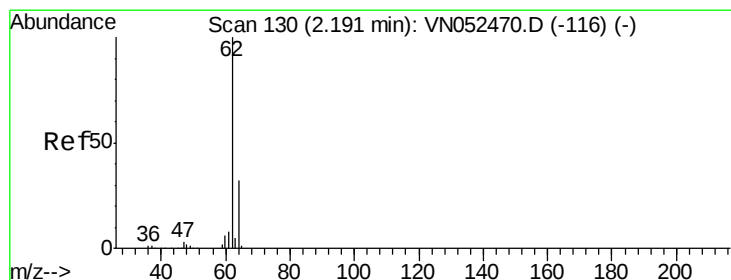
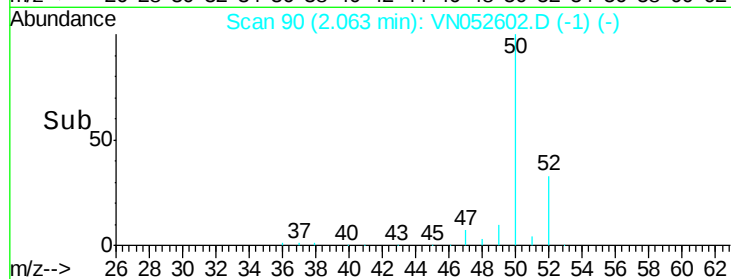
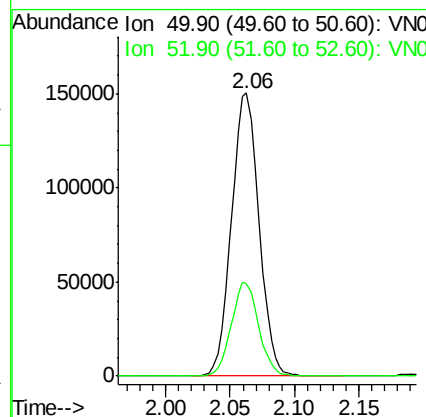
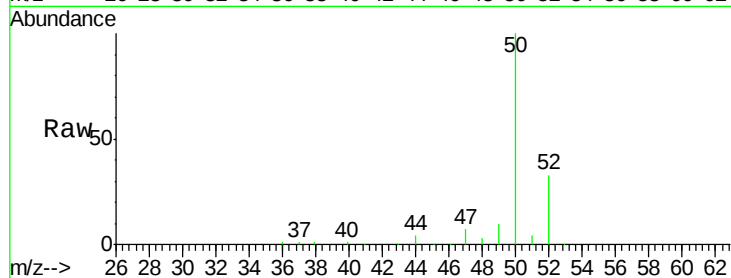
52 32.9 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

12/3/2018 10:49:38 AM



#4

Vinyl Chloride

Concen: 18.729 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052602.D

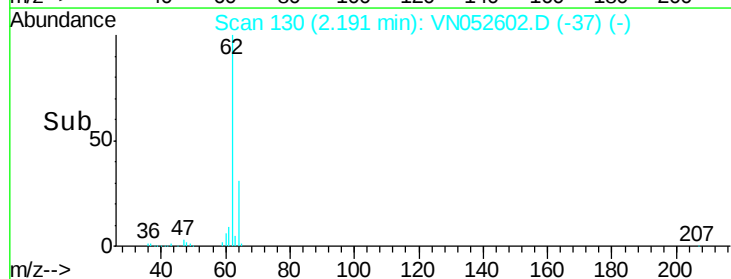
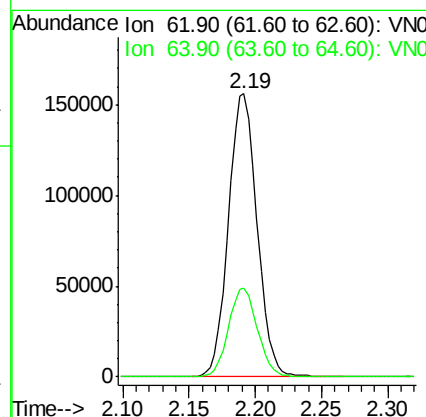
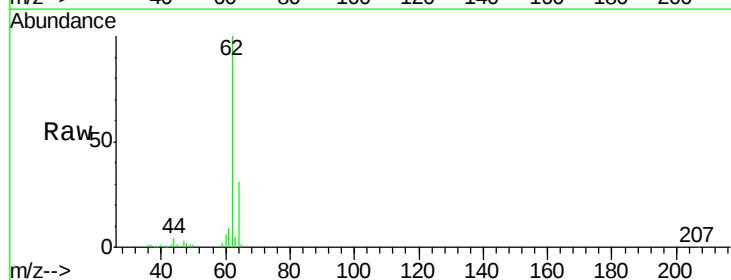
Acq: 30 Nov 2018 13:08

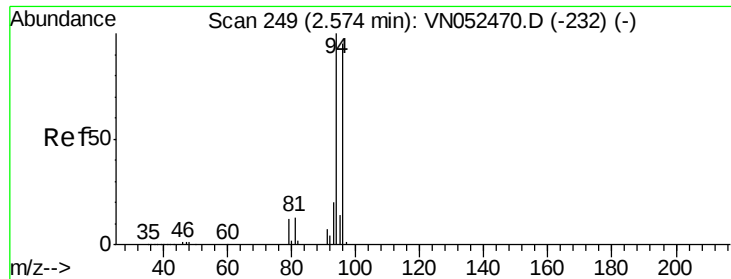
Tgt Ion: 62 Resp: 234001

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2





#5

Bromomethane

Concen: 17.793 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

Tgt Ion: 94 Resp: 138706

Ion Ratio Lower Upper

94 100

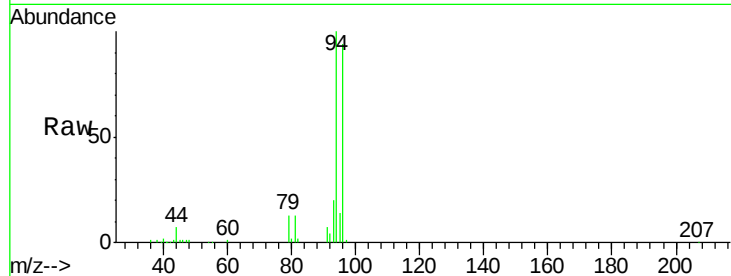
96 94.0 75.8 113.8

Manual Integrations

APPROVED

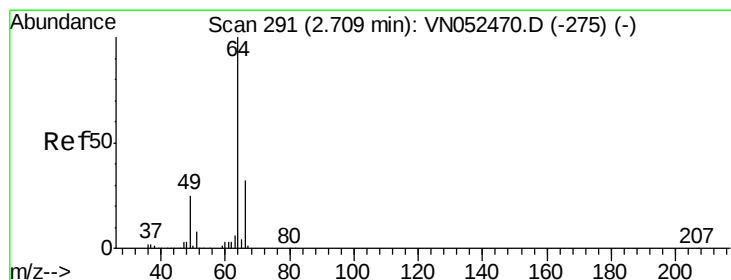
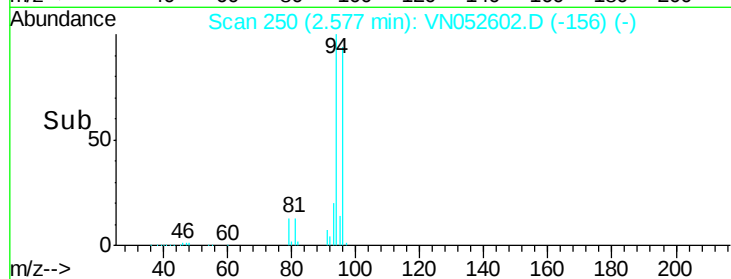
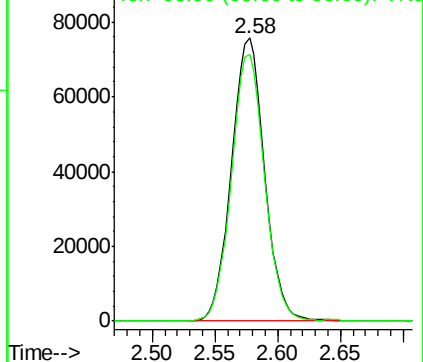
MMDadoda

12/3/2018 10:49:38 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.873 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052602.D

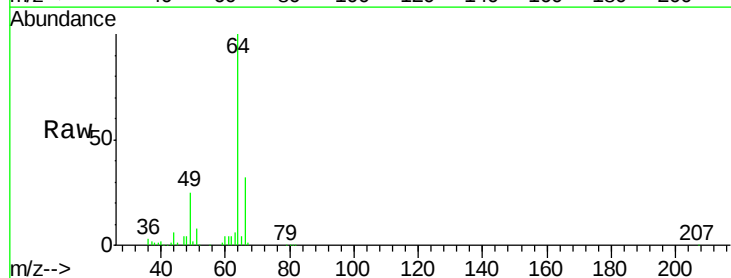
Acq: 30 Nov 2018 13:08

Tgt Ion: 64 Resp: 142826

Ion Ratio Lower Upper

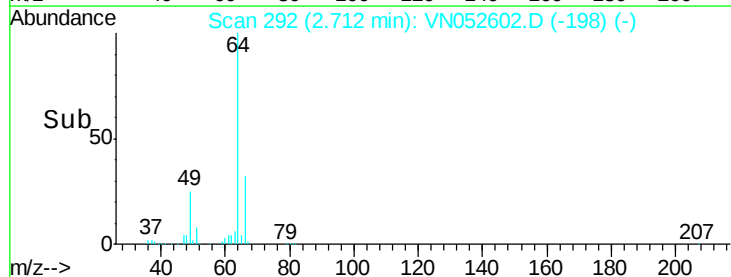
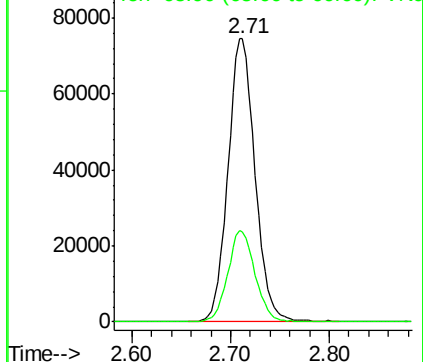
64 100

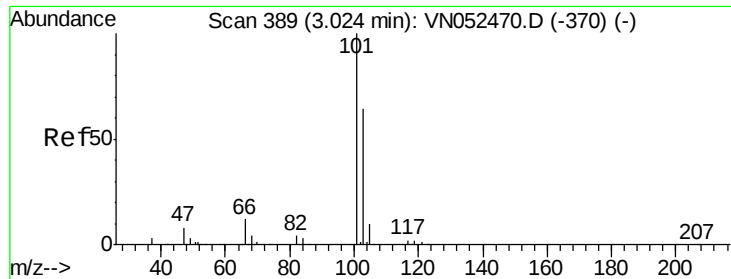
66 31.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

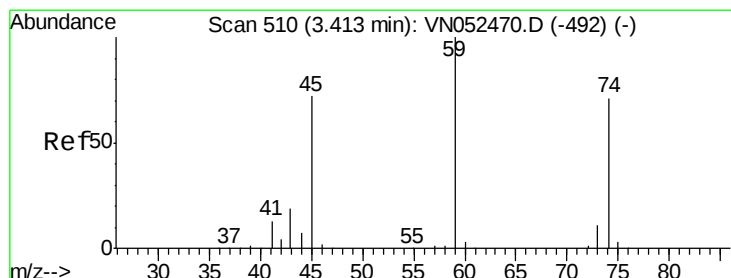
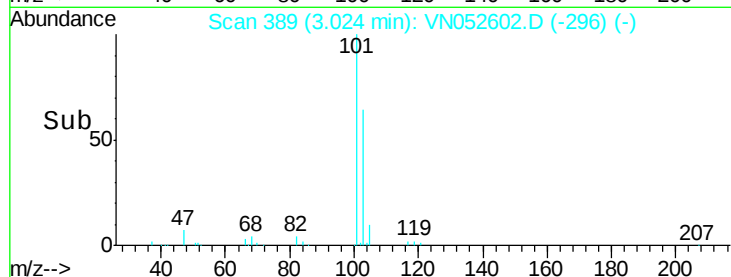
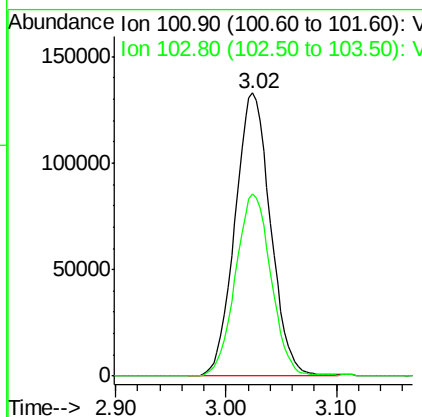
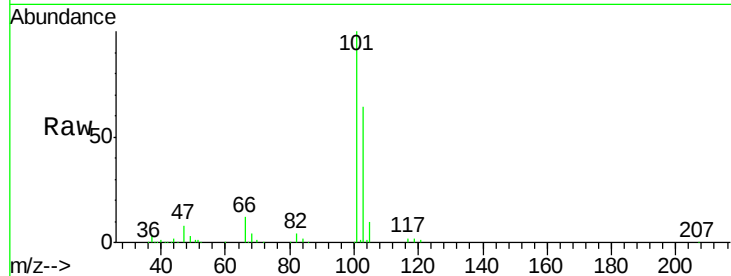
Trichlorofluoromethane
Concen: 19.359 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2

Manual Integrations
APPROVED

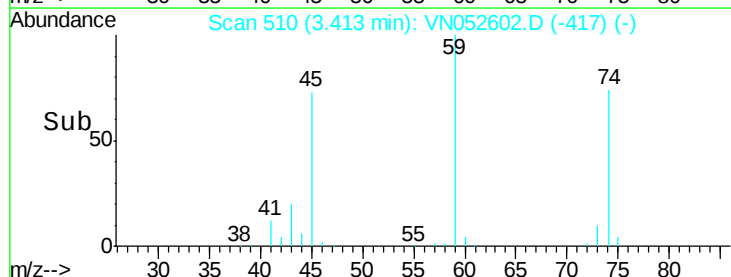
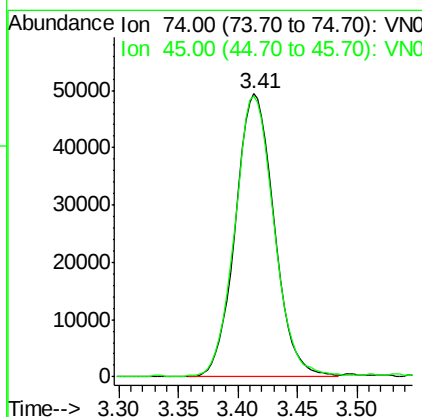
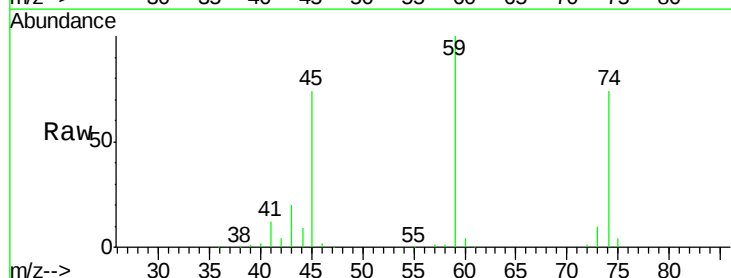
MMDadoda
12/3/2018 10:49:38 AM

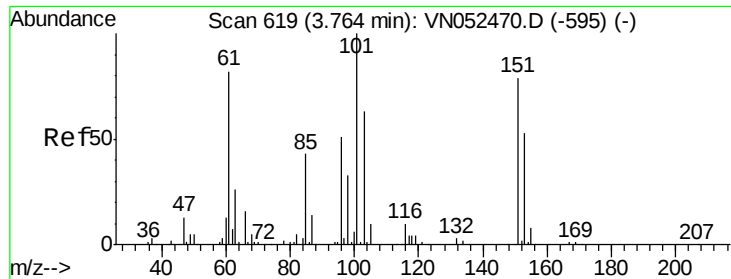


#8

Diethyl Ether
Concen: 19.711 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.7	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.458 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

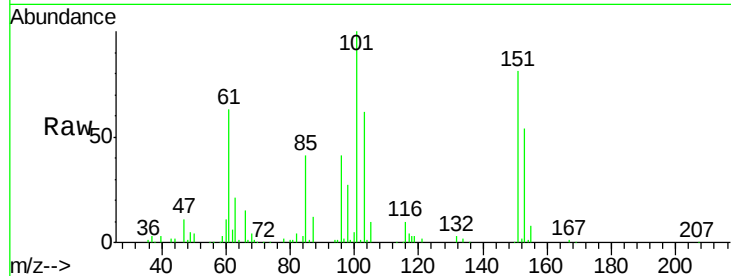
ClientSampleId :

VN1130WBSD02

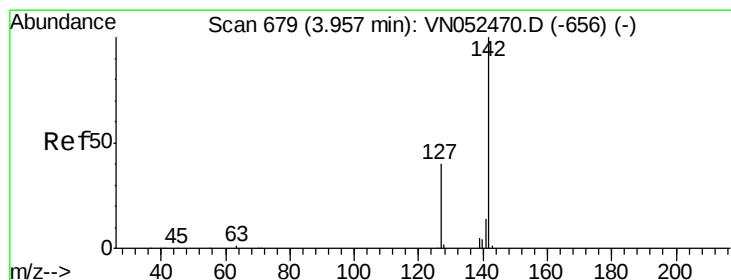
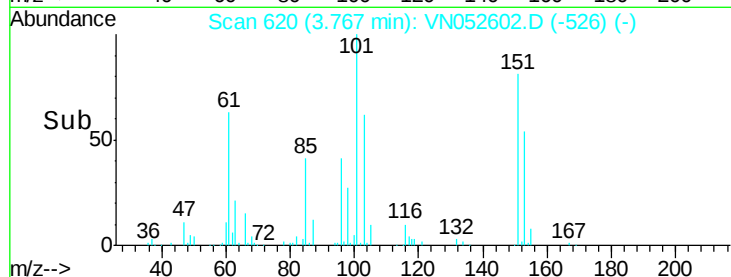
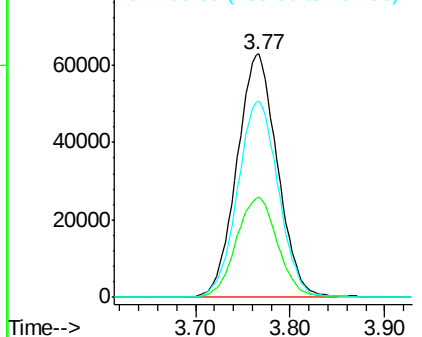
Tgt Ion:	101	Resp:	186335
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.2	51.4
151	81.4	64.6	96.8

Manual Integrations
APPROVED

MMDadoda
12/3/2018 10:49:38 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.891 ug/l

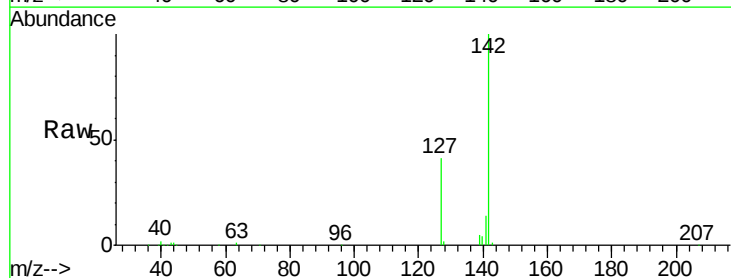
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

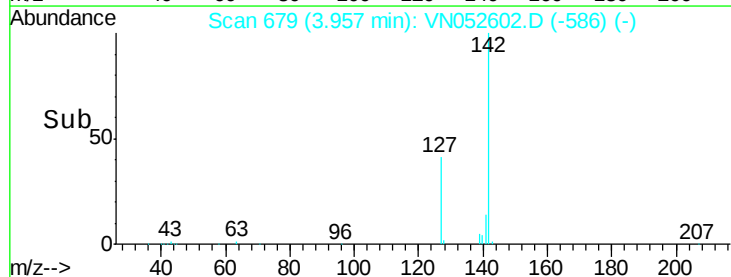
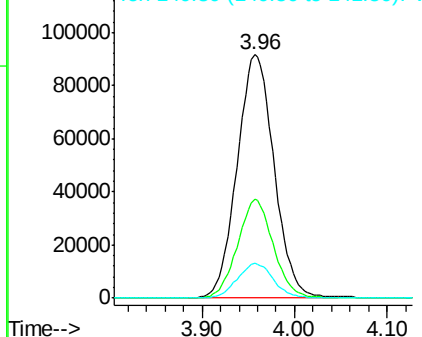
Lab File: VN052602.D

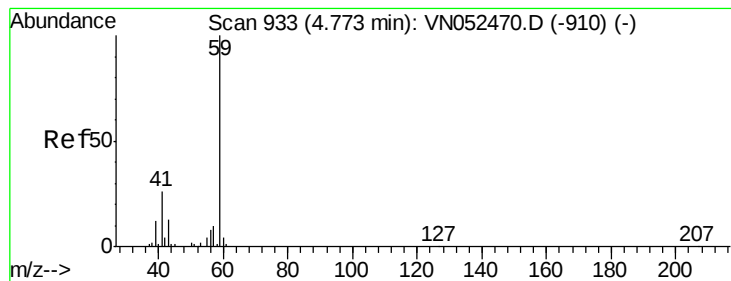
Acq: 30 Nov 2018 13:08

Tgt Ion:	142	Resp:	253706
Ion Ratio	Lower	Upper	
142	100		
127	39.4	31.8	47.6
141	13.9	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

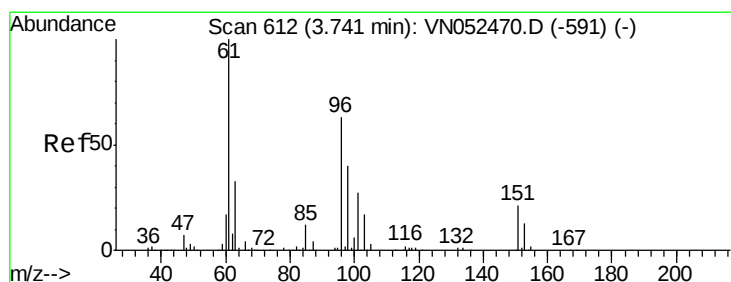
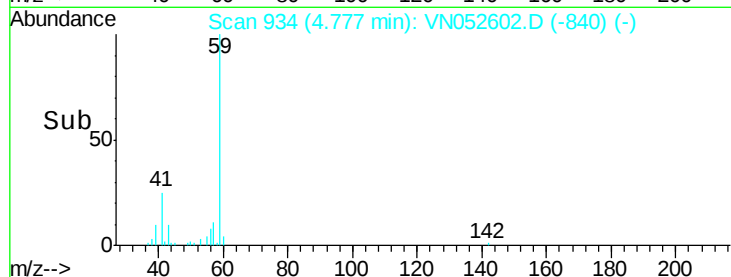
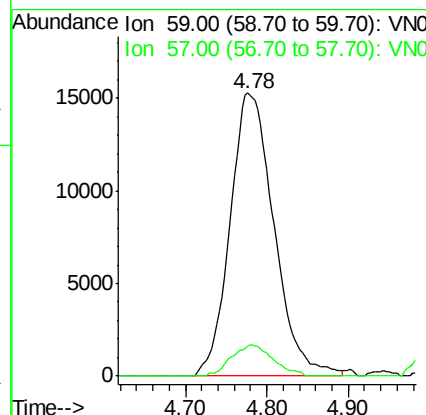
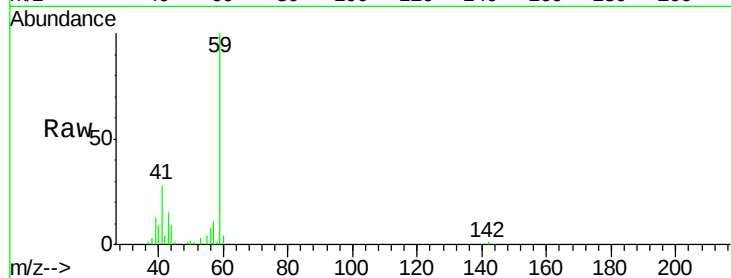
Tert butyl alcohol
Concen: 106.878 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.9	11.9

Manual Integrations
APPROVED

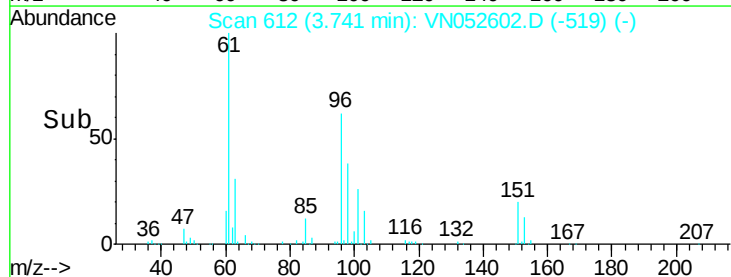
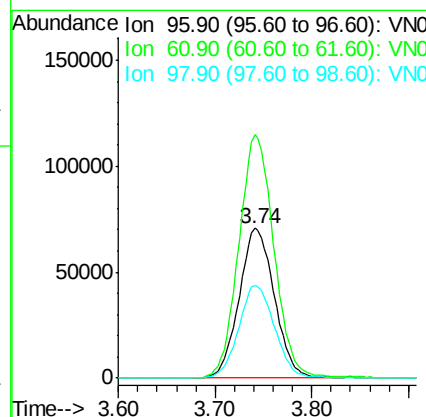
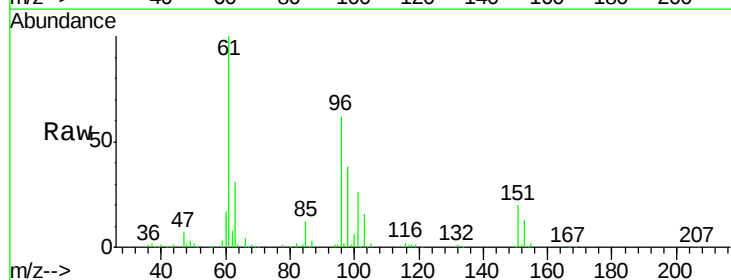
MMDadoda
12/3/2018 10:49:38 AM

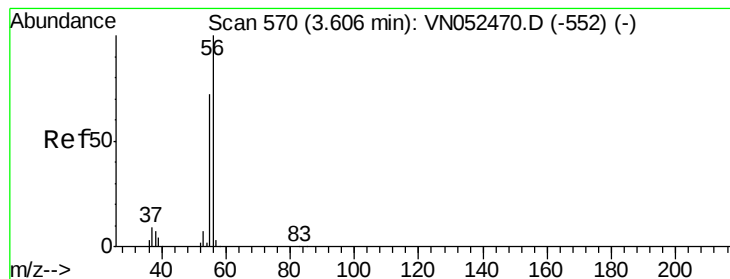


#12

1,1-Dichloroethene
Concen: 19.507 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.4	127.0	190.6
98	61.9	50.3	75.5





#13

Acrolein

Concen: 98.490 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

Tgt Ion: 56 Resp: 70629

Ion Ratio Lower Upper

56 100

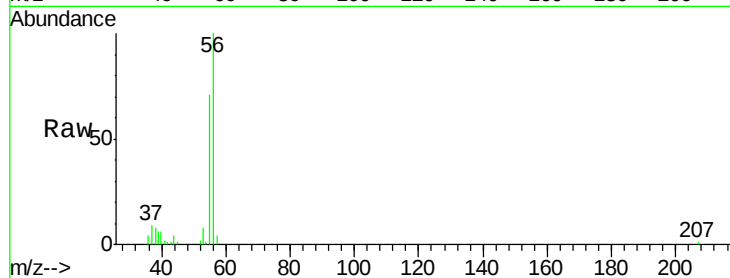
55 72.7 56.8 85.2

Manual Integrations

APPROVED

MMDadoda

12/3/2018 10:49:38 AM

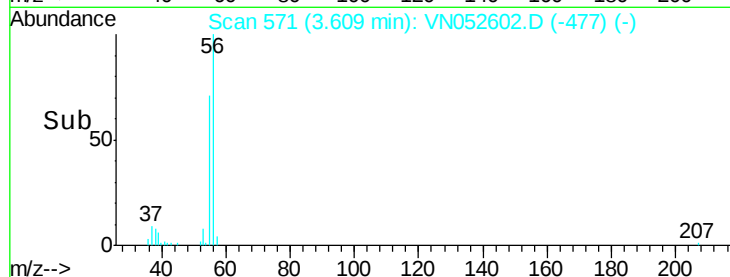


Abundance Ion 56.00 (55.70 to 56.70): VN052470.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN052470.D (-552) (-)

3.61

Time-->



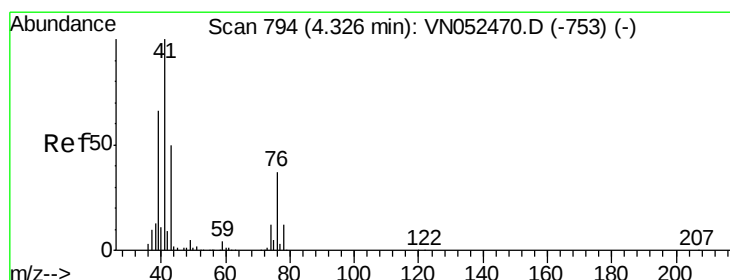
Abundance Ion 41.00 (40.70 to 41.70): VN052470.D (-753) (-)

Ion 39.00 (38.70 to 39.70): VN052470.D (-753) (-)

Ion 75.90 (75.60 to 76.60): VN052470.D (-753) (-)

4.33

Time-->



#14

Allyl chloride

Concen: 19.265 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

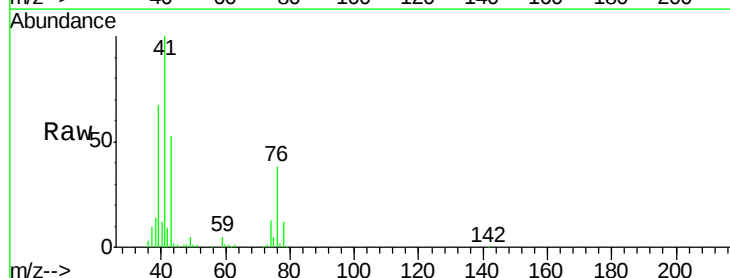
Tgt Ion: 41 Resp: 306069

Ion Ratio Lower Upper

41 100

39 64.9 50.6 76.0

76 35.2 27.4 41.2



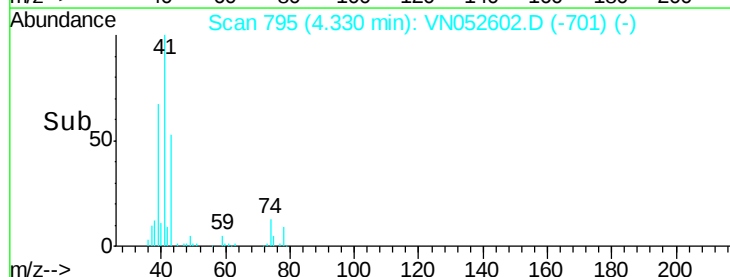
Abundance Ion 41.00 (40.70 to 41.70): VN052602.D (-701) (-)

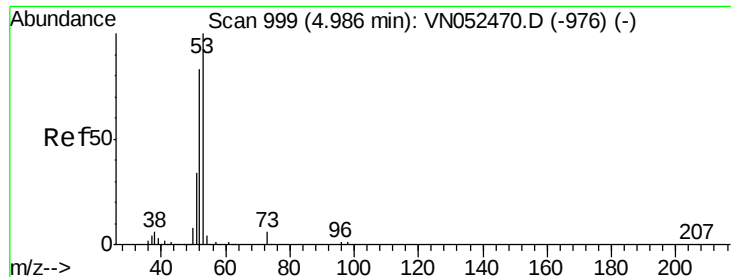
Ion 39.00 (38.70 to 39.70): VN052602.D (-701) (-)

Ion 75.90 (75.60 to 76.60): VN052602.D (-701) (-)

4.33

Time-->





#15

Acrylonitrile

Concen: 96.815 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

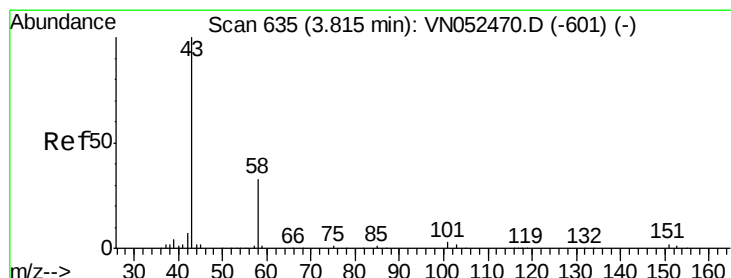
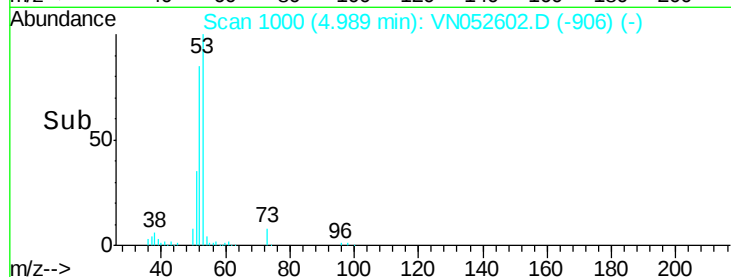
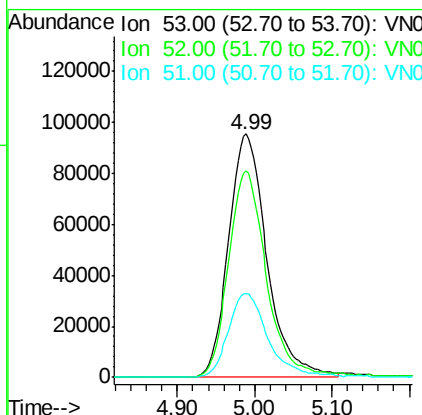
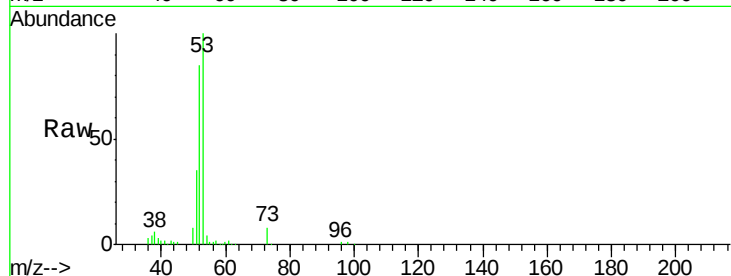
ClientSampleId :

VN1130WBSD02

Tgt Ion:	53	Resp:	328731
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.2	99.2
51	35.8	28.1	42.1

Manual Integrations
APPROVED

MMDadoda
12/3/2018 10:49:38 AM



#16

Acetone

Concen: 87.301 ug/l

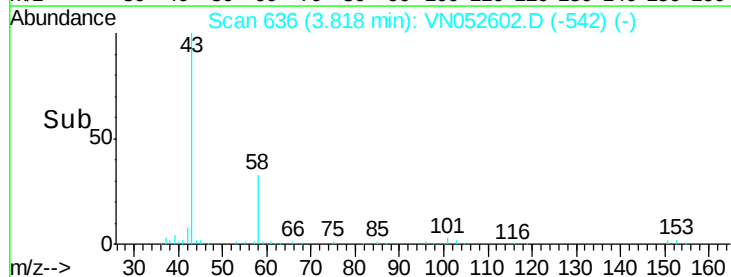
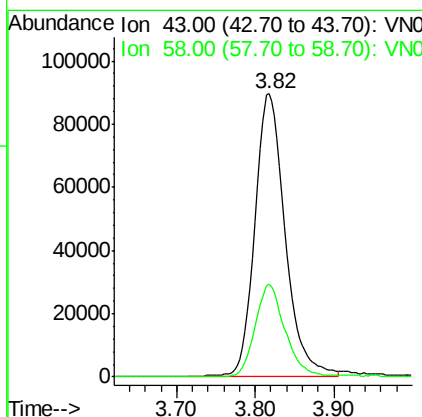
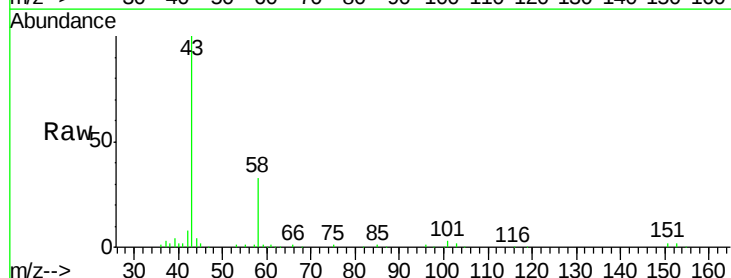
RT: 3.82 min Scan# 636

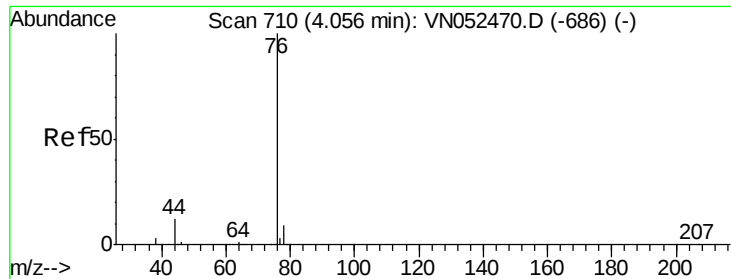
Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Tgt Ion:	43	Resp:	246719
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.0	39.0





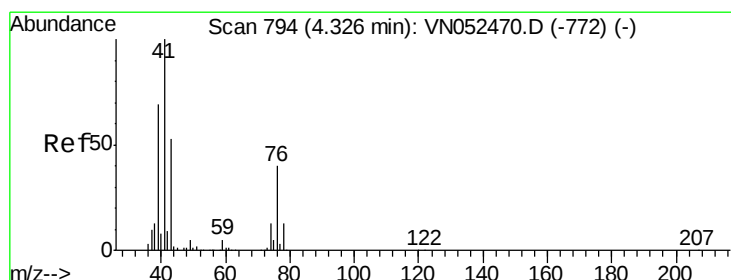
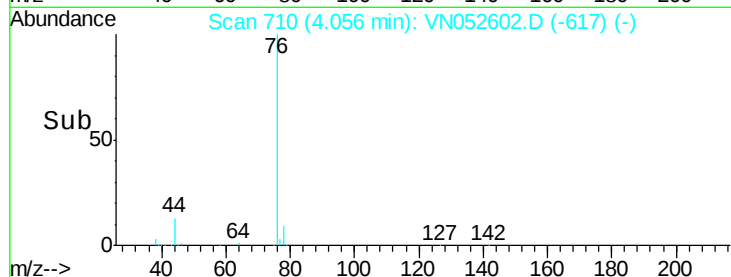
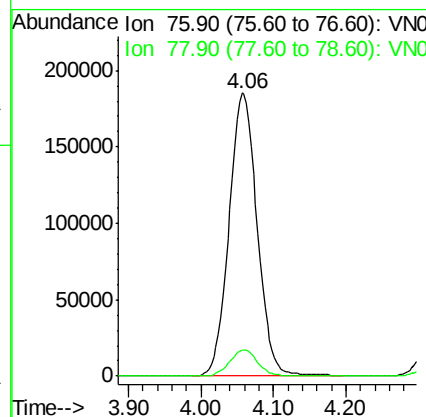
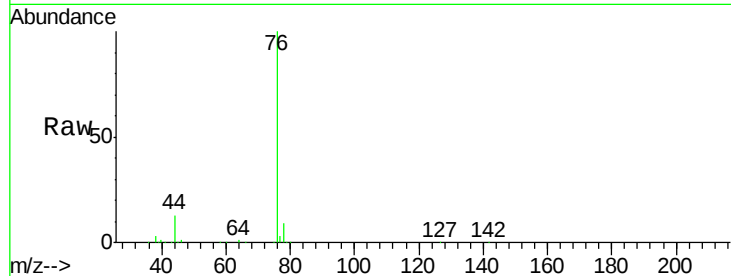
#17
Carbon Disulfide
Concen: 17.234 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

Tgt Ion: 76 Resp: 499934
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

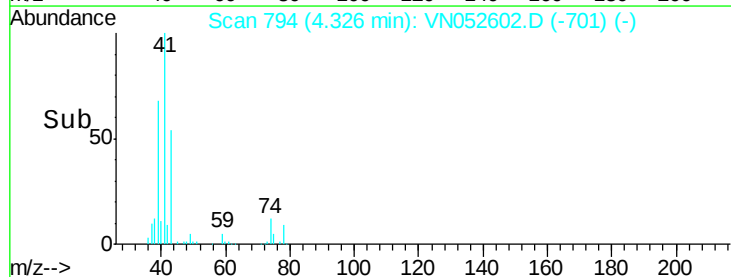
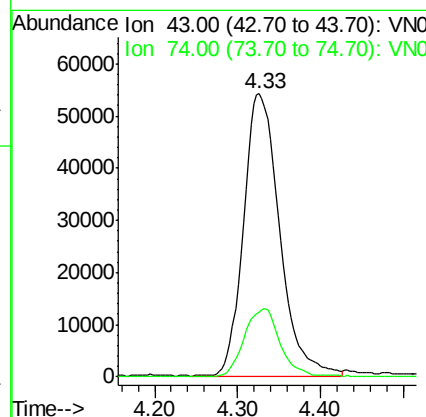
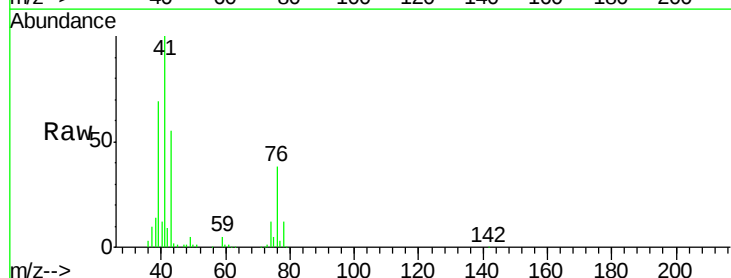
Manual Integrations
APPROVED

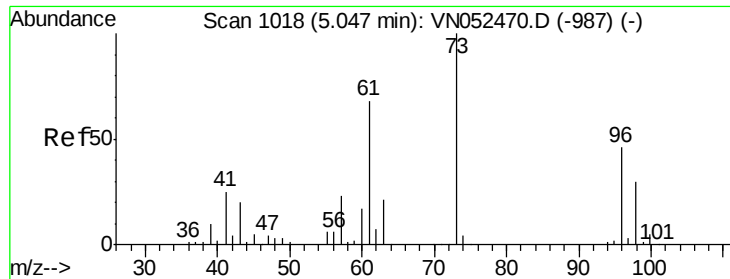
MMDadoda
12/3/2018 10:49:38 AM



#18
Methyl Acetate
Concen: 20.163 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion: 43 Resp: 163447
Ion Ratio Lower Upper
43 100
74 23.9 18.6 27.8





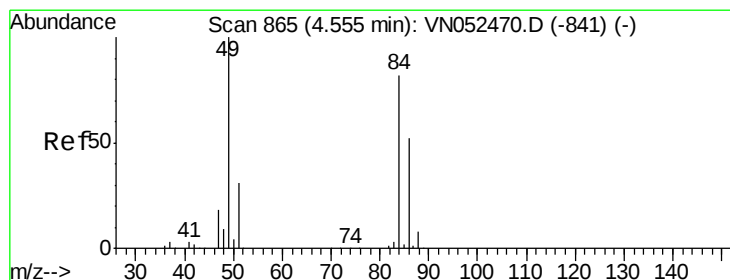
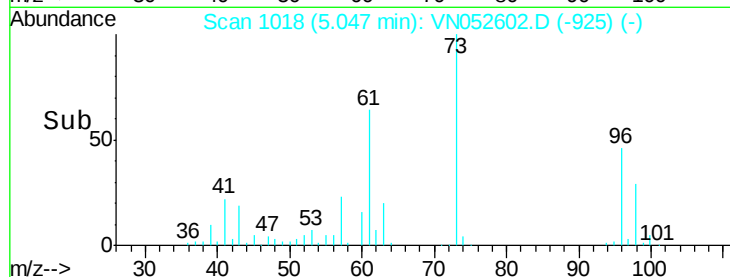
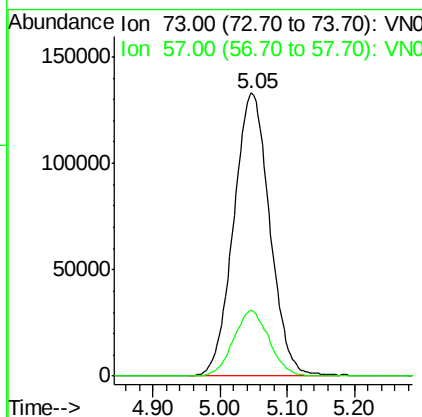
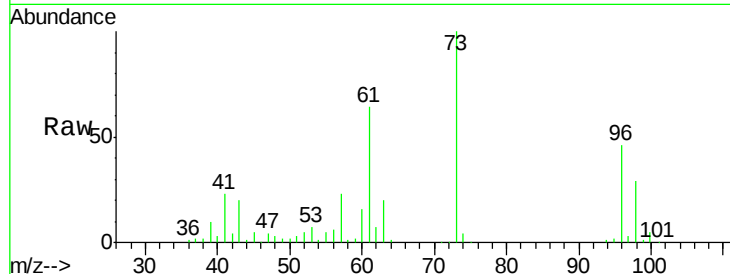
#19
Methyl tert-butyl Ether
Concen: 20.248 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

Tgt Ion: 73 Resp: 496600
Ion Ratio Lower Upper
73 100
57 23.2 18.2 27.2

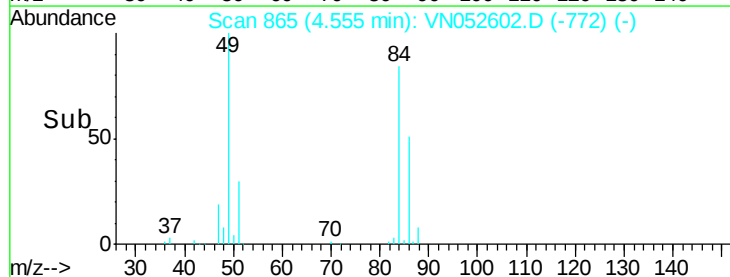
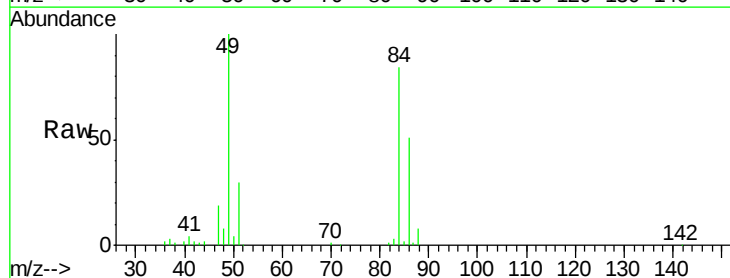
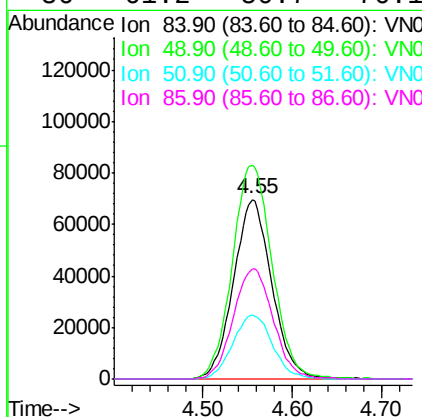
Manual Integrations
APPROVED

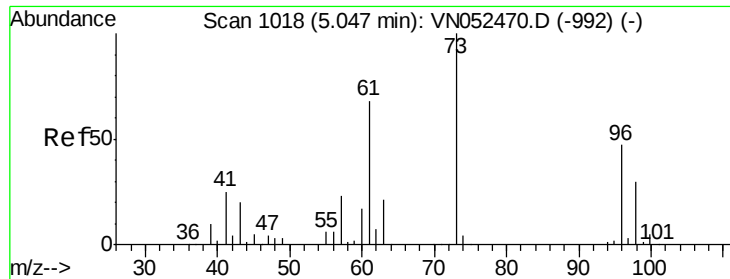
MMDadoda
12/3/2018 10:49:38 AM



#20
Methylene Chloride
Concen: 18.799 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion: 84 Resp: 207897
Ion Ratio Lower Upper
84 100
49 118.9 98.0 147.0
51 35.5 30.1 45.1
86 61.2 50.7 76.1





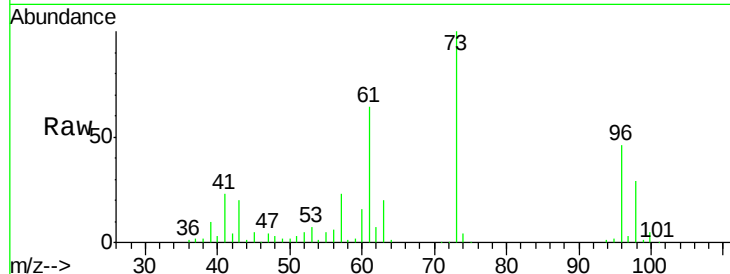
#21
trans-1,2-Dichloroethene
Concen: 19.941 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

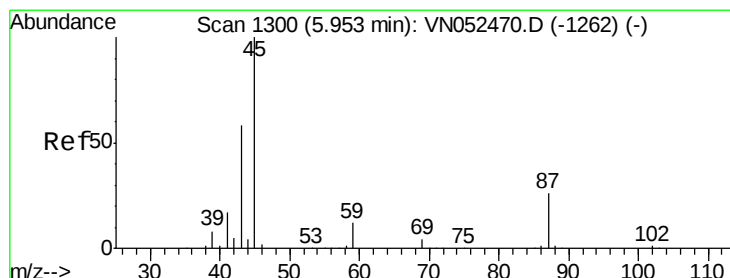
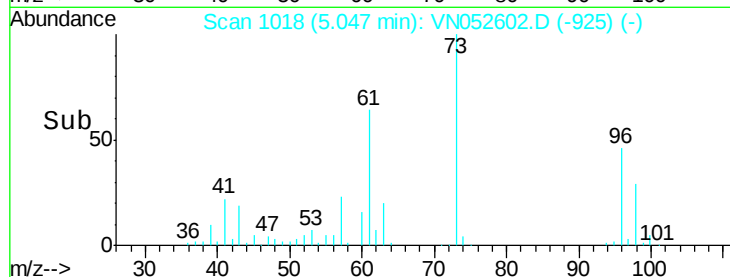
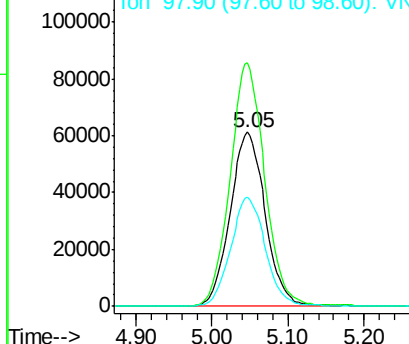
Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.0	117.0	175.4
98	62.5	51.8	77.6

Manual Integrations
APPROVED

MMDadoda
12/3/2018 10:49:38 AM



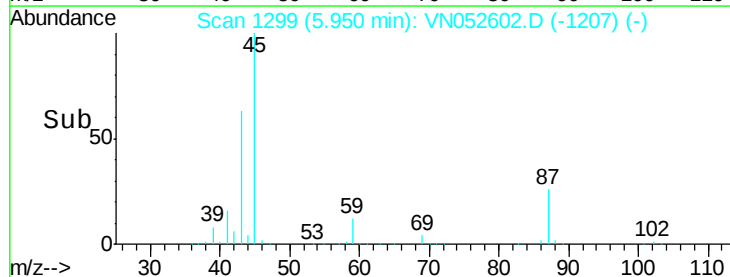
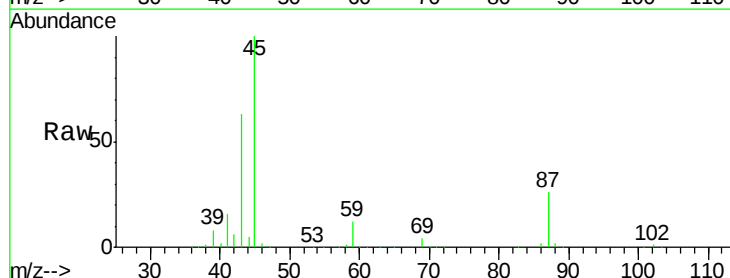
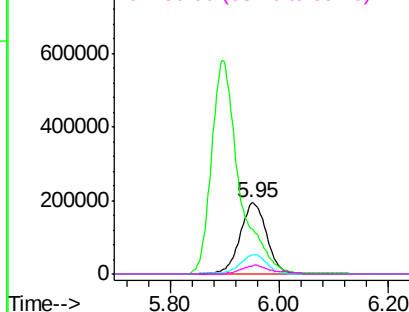
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

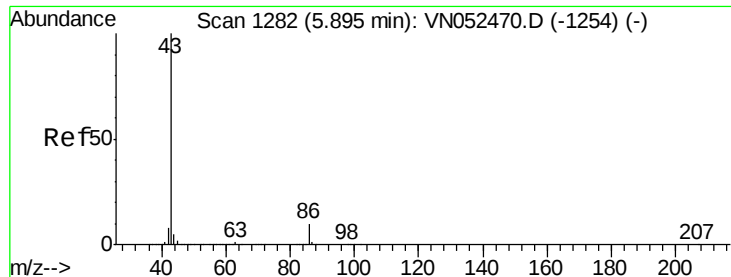


#22
Diisopropyl ether
Concen: 19.732 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.3	46.1	69.1
87	26.2	21.3	31.9
59	11.6	9.5	14.3

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 98.526 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

Tgt Ion: 43 Resp: 2047913

Ion Ratio Lower Upper

43 100

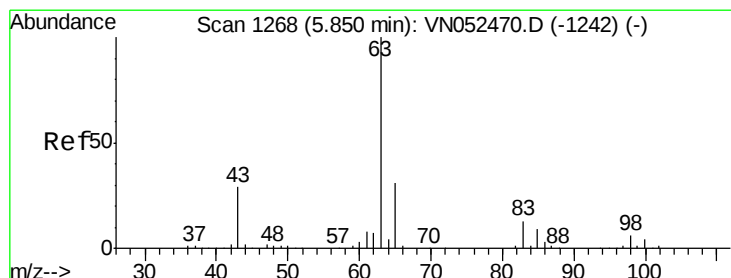
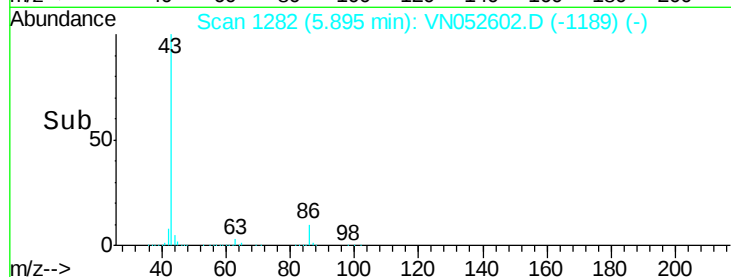
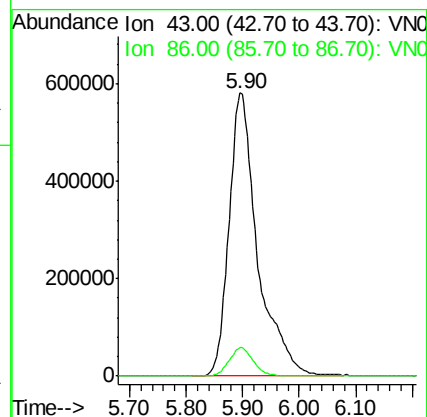
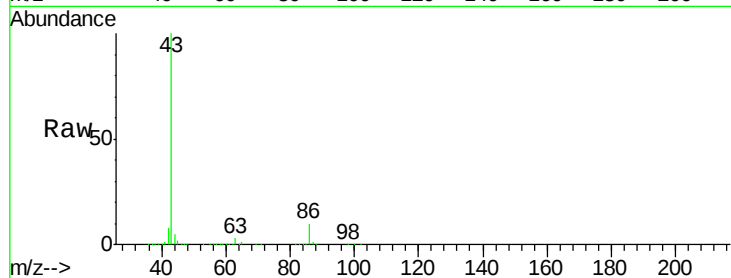
86 10.0 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

12/3/2018 10:49:38 AM



#24

1,1-Dichloroethane

Concen: 19.705 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

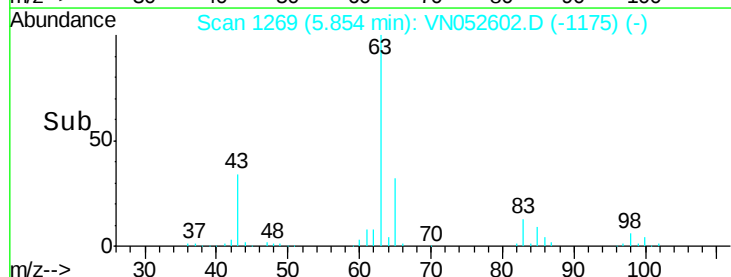
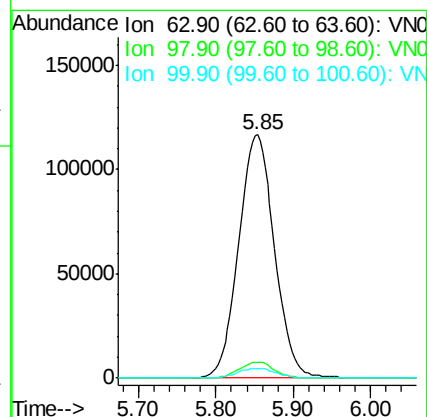
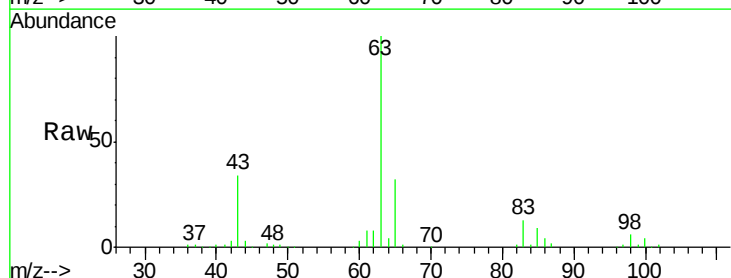
Tgt Ion: 63 Resp: 375461

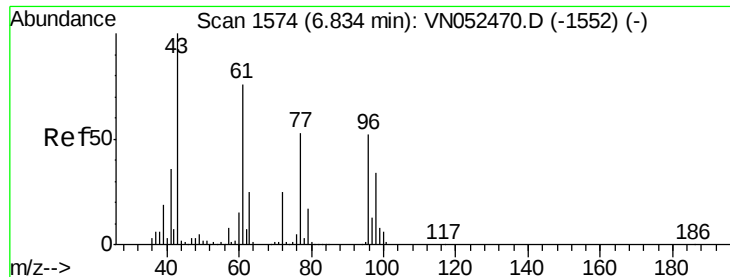
Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 4.1 2.0 5.8





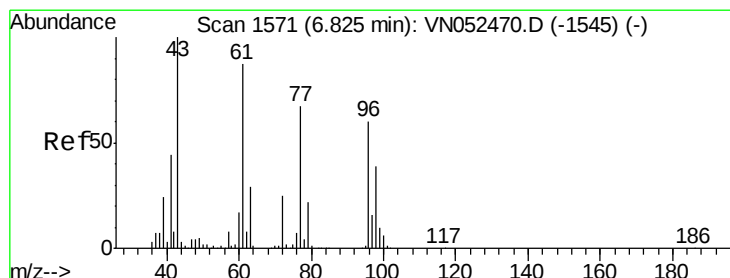
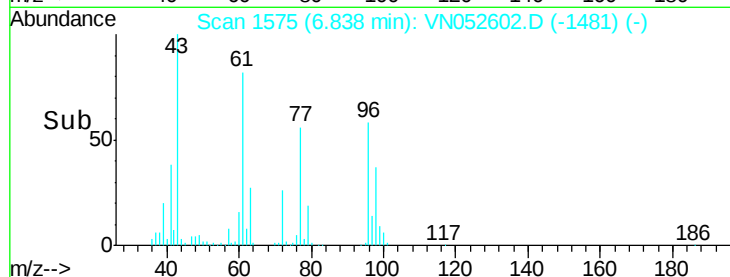
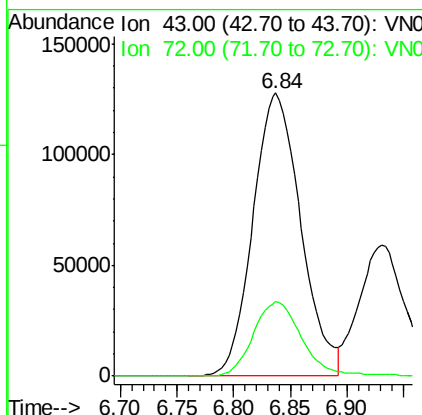
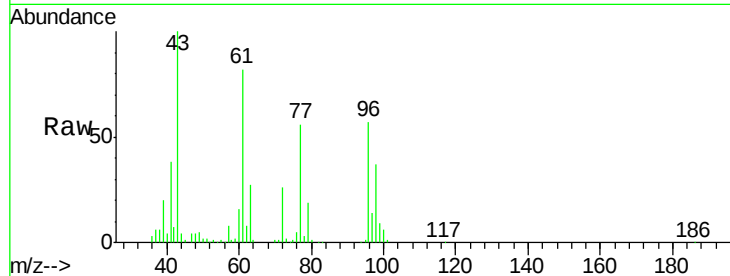
#25
2-Butanone
Concen: 93.310 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

Tgt Ion: 43 Resp: 373766
Ion Ratio Lower Upper
43 100
72 26.3 20.1 30.1

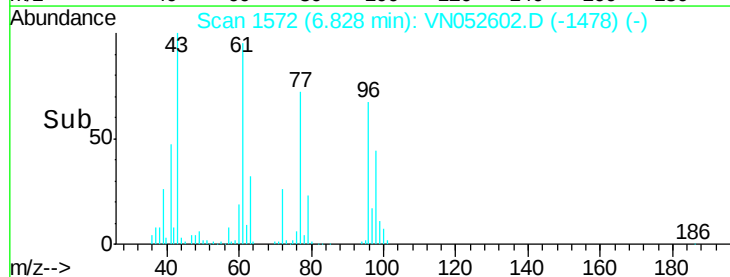
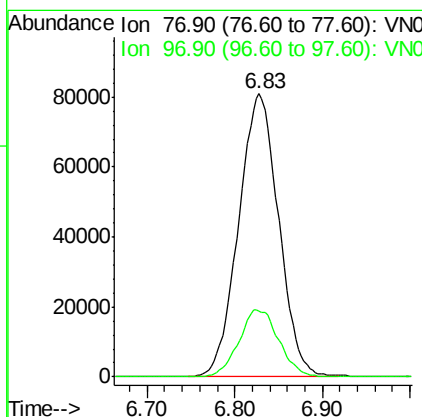
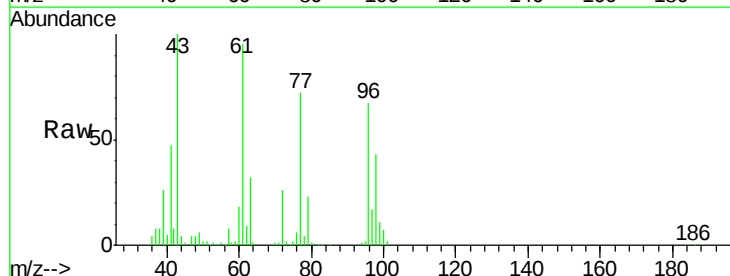
Manual Integrations
APPROVED

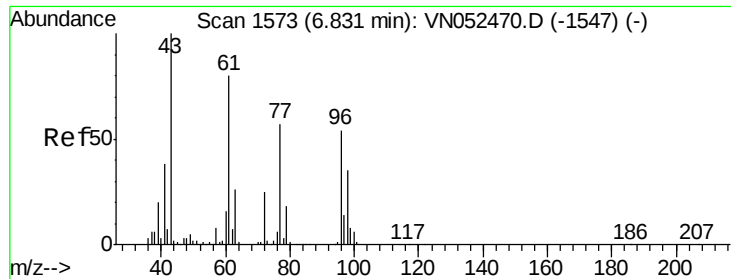
MMDadoda
12/3/2018 10:49:38 AM



#26
2,2-Dichloropropane
Concen: 19.461 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion: 77 Resp: 256663
Ion Ratio Lower Upper
77 100
97 23.8 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.851 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

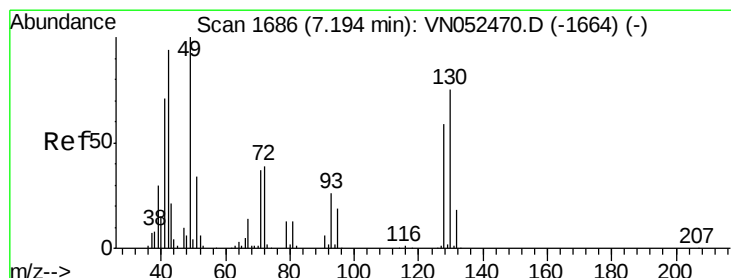
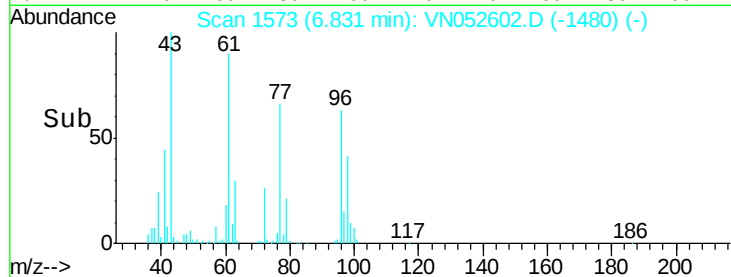
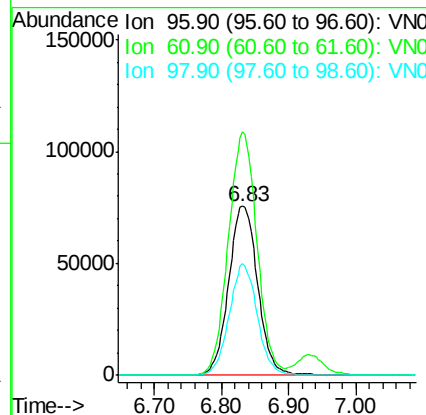
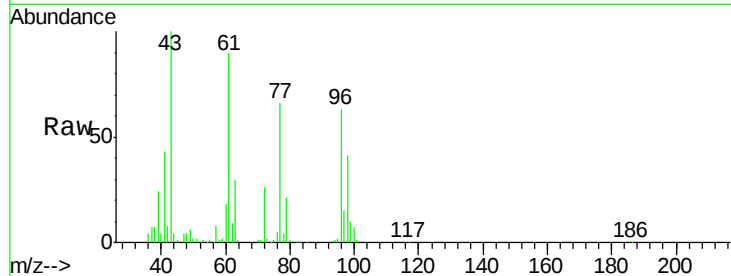
ClientSampleId :

VN1130WBSD02

Tgt Ion:	96	Resp:	227655
Ion	Ratio	Lower	Upper
96	100		
61	141.4	0.0	291.0
98	63.4	0.0	130.0

Manual Integrations
APPROVED

MMDadoda
12/3/2018 10:49:38 AM



#28

Bromochloromethane

Concen: 20.815 ug/l

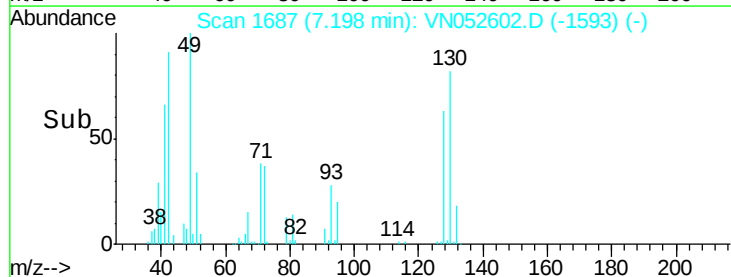
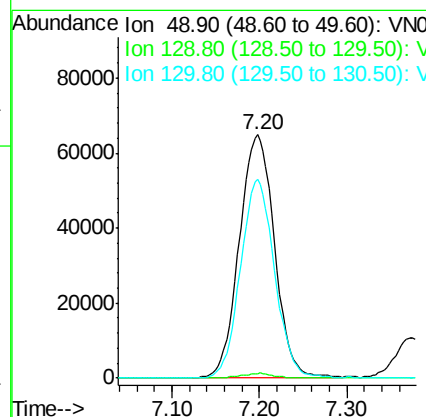
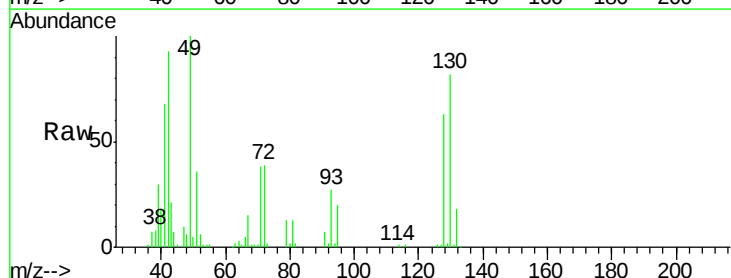
RT: 7.20 min Scan# 1687

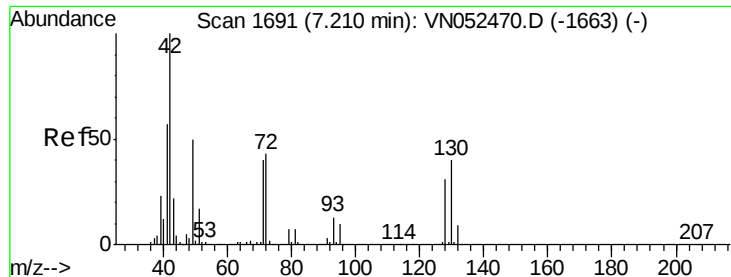
Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Tgt Ion:	49	Resp:	181146
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	79.1	60.2	90.2





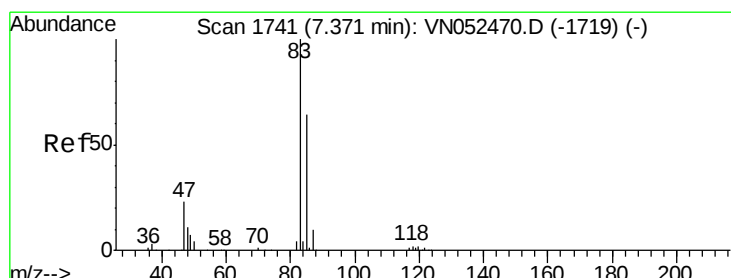
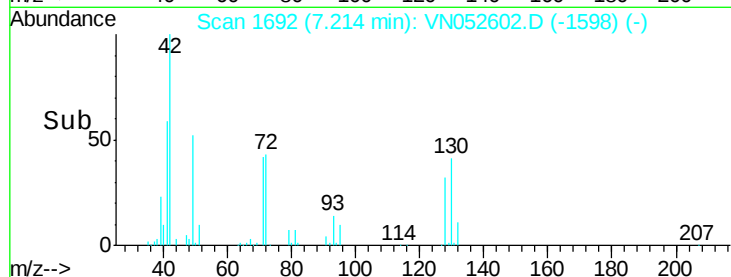
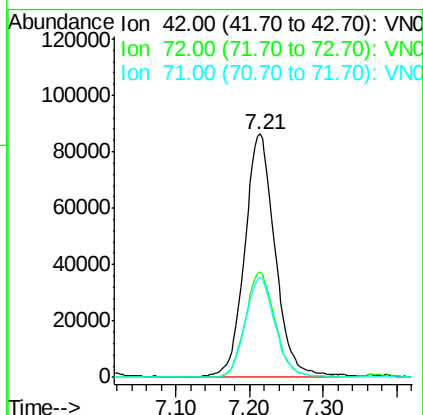
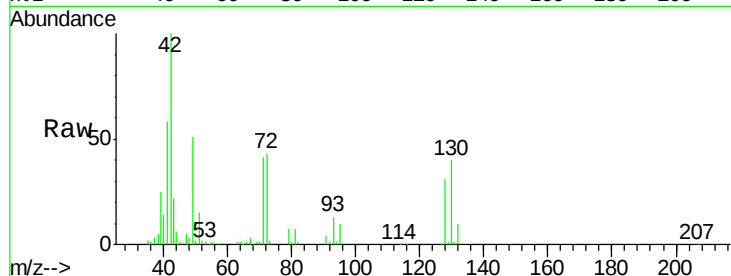
#29
Tetrahydrofuran
Concen: 95.387 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.8	33.3	49.9
71	40.5	32.0	48.0

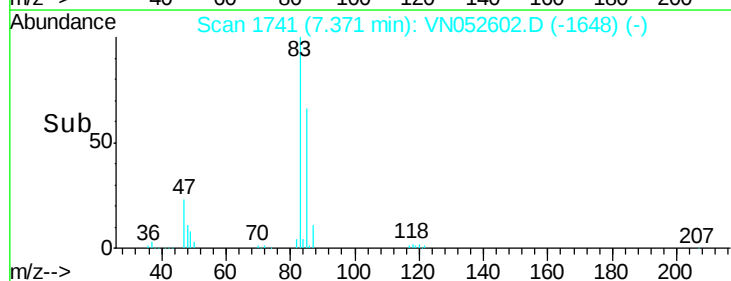
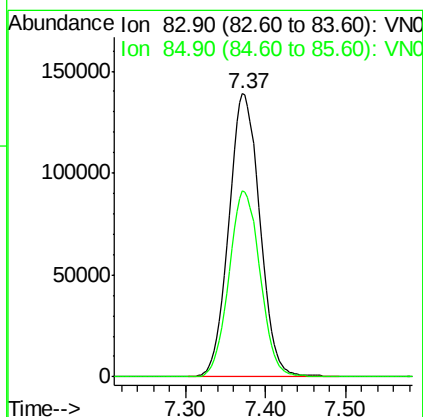
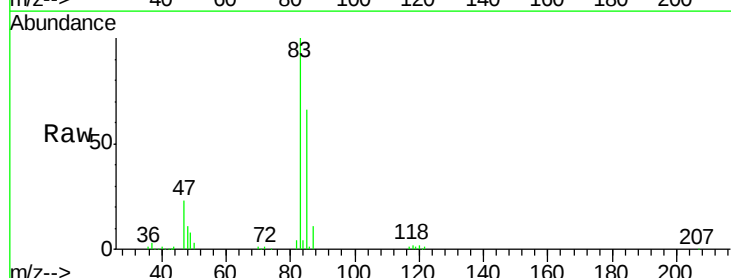
Manual Integrations
APPROVED

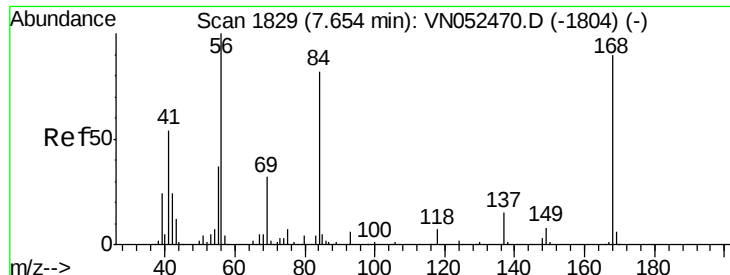
MMDadoda
12/3/2018 10:49:38 AM



#30
Chloroform
Concen: 19.221 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.0	76.4





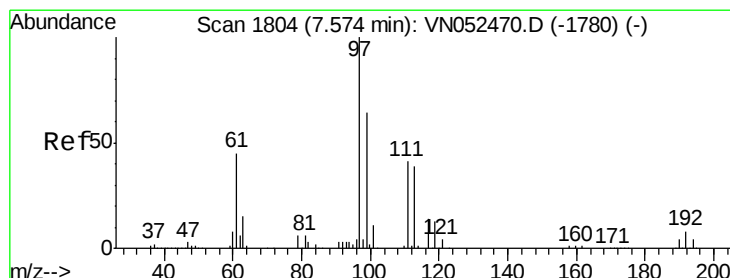
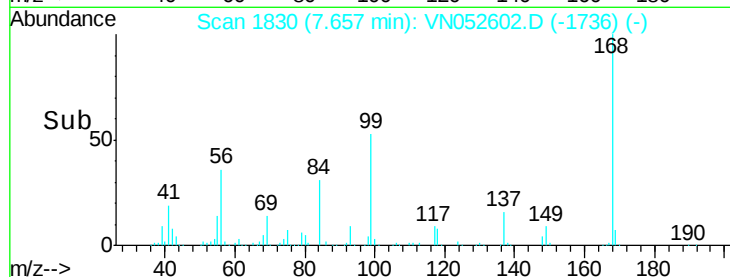
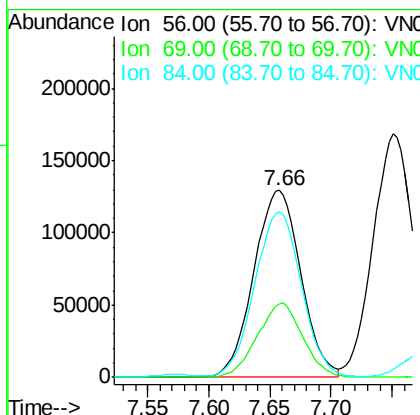
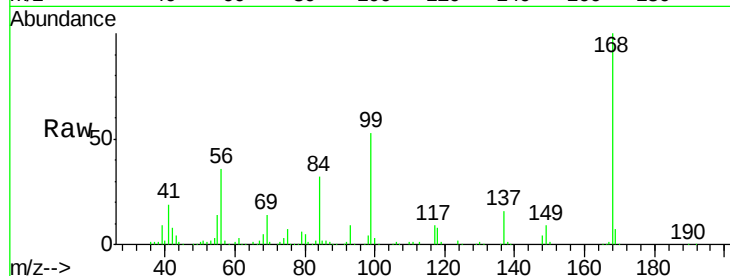
#31
Cyclohexane
Concen: 18.572 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	39.2	25.8	38.6#
84	87.3	65.3	97.9

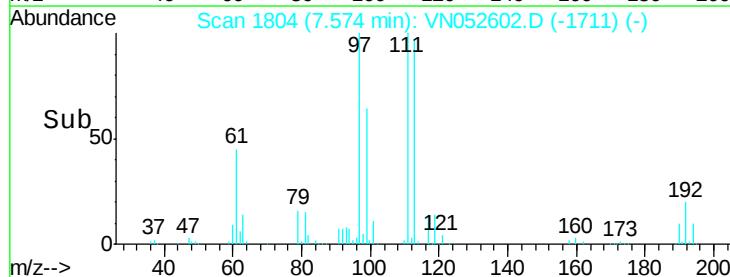
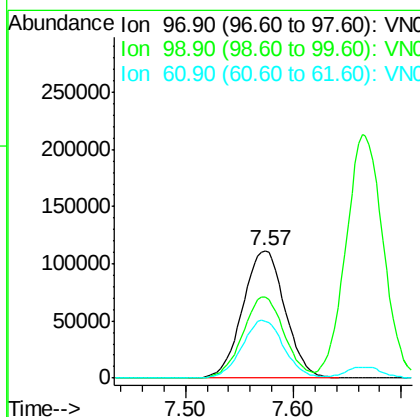
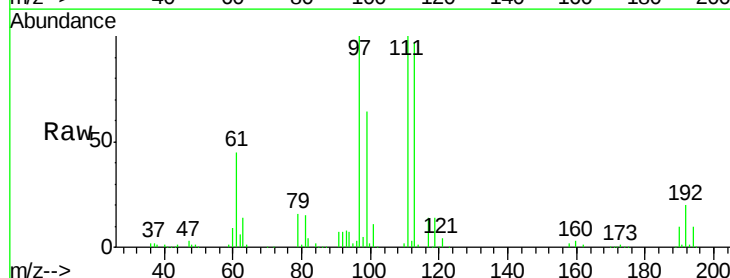
Manual Integrations
APPROVED

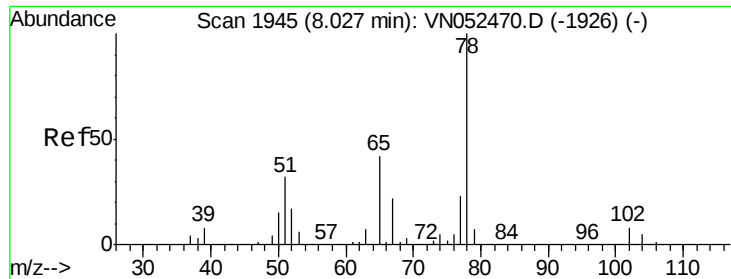
MMDadoda
12/3/2018 10:49:38 AM



#32
1,1,1-Trichloroethane
Concen: 20.128 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.7	77.5
61	45.0	36.8	55.2





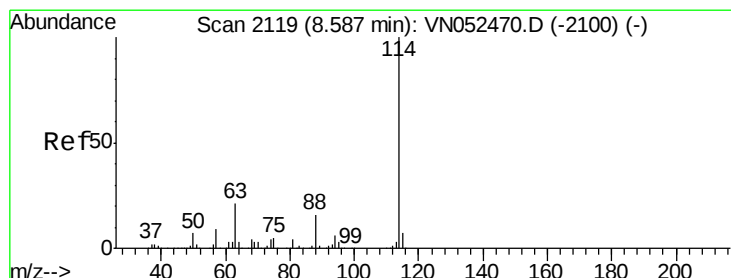
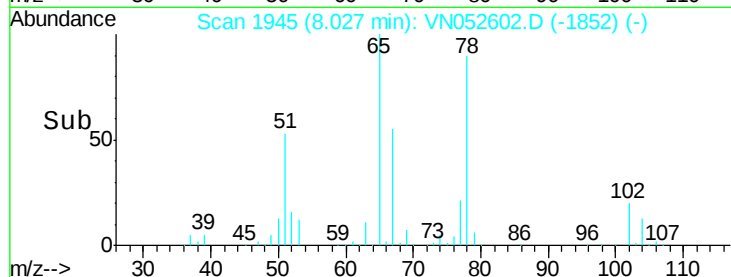
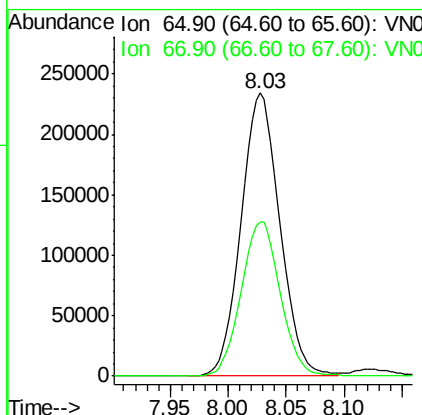
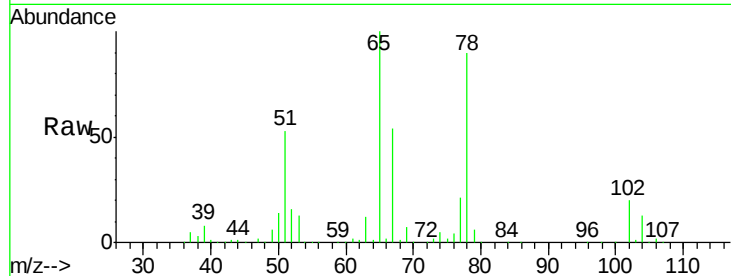
#33
 1,2-Dichloroethane-d4
 Concen: 20.128 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1130WBSD02

Tgt Ion: 65 Resp: 545445
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.8

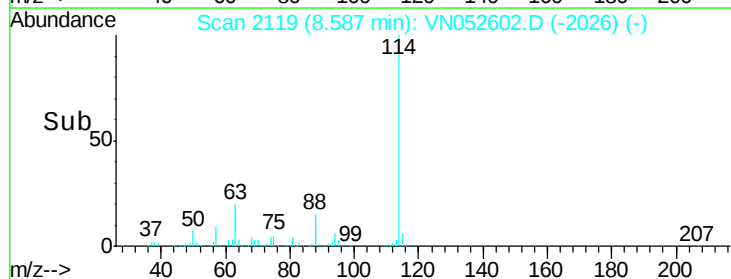
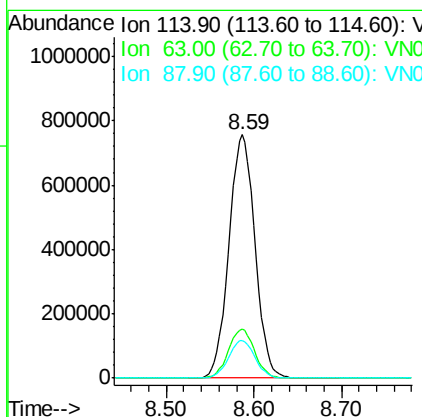
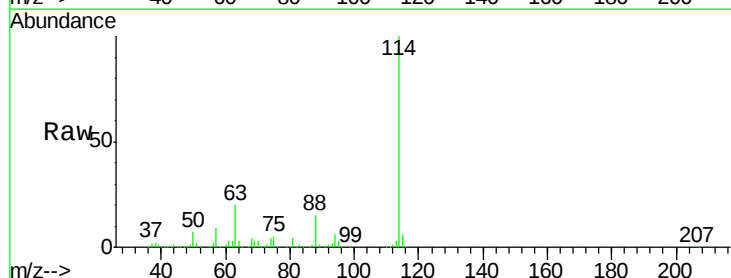
Manual Integrations
 APPROVED

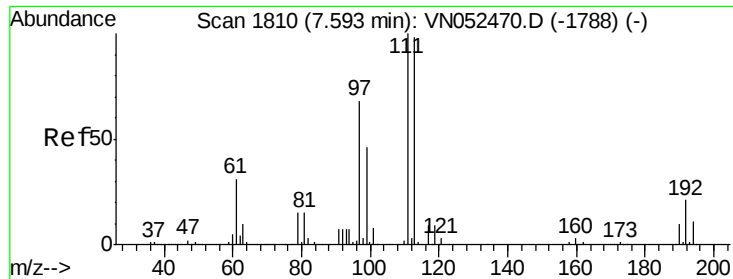
MMDadoda
 12/3/2018 10:49:38 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Tgt Ion: 114 Resp: 1562106
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.8
 88 15.4 0.0 31.6





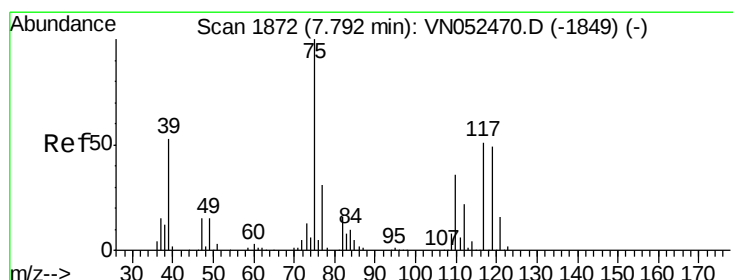
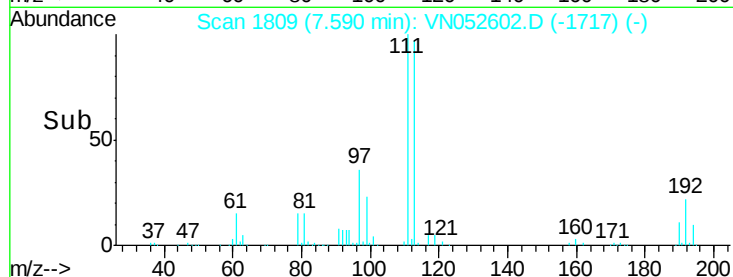
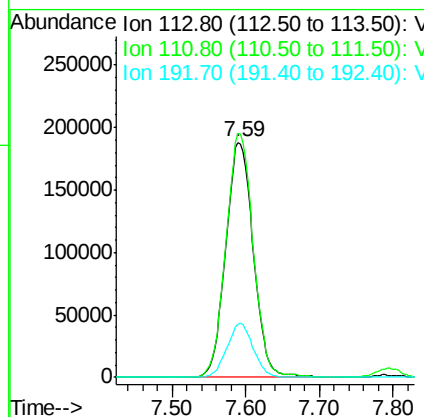
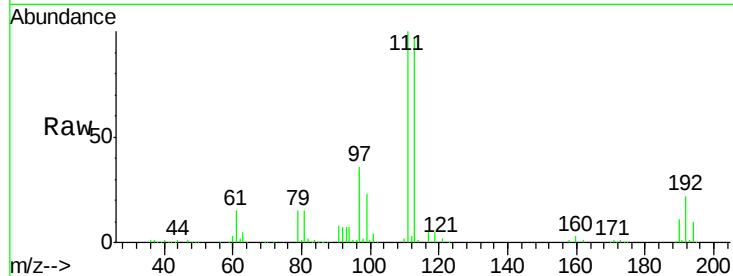
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	488886		
111	102.8	82.0	123.0	
192	21.9	17.0	25.6	

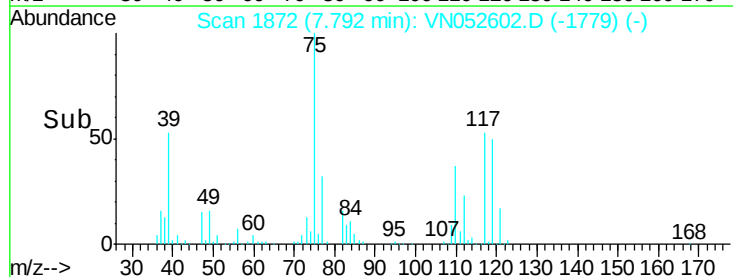
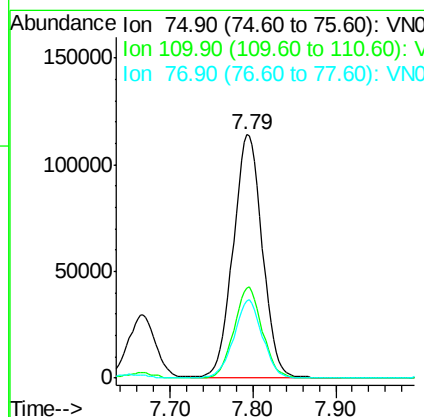
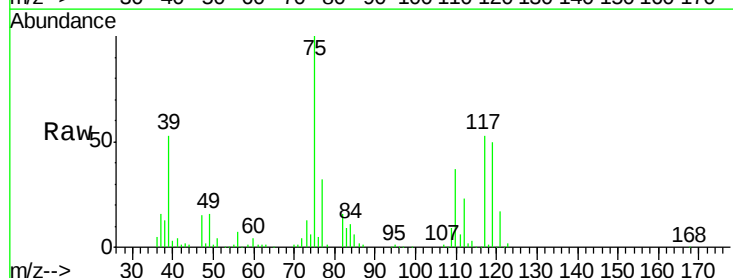
Manual Integrations
APPROVED

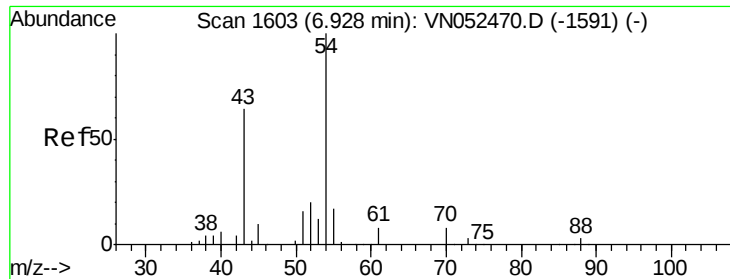
MMDadoda
12/3/2018 10:49:38 AM



#36
1,1-Dichloropropene
Concen: 19.005 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	280344		
110	36.0	17.5	52.6	
77	31.5	24.5	36.7	





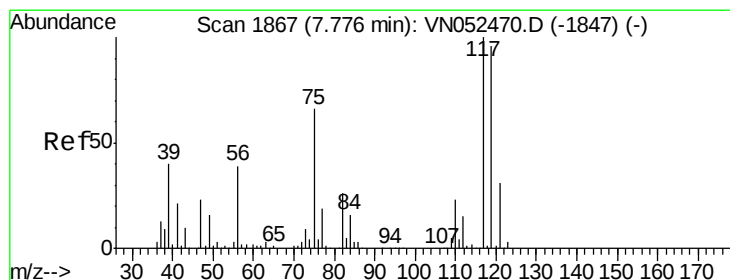
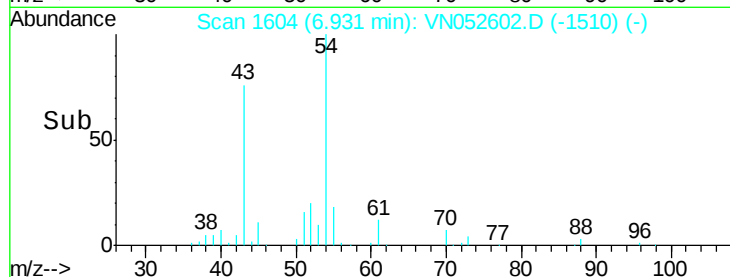
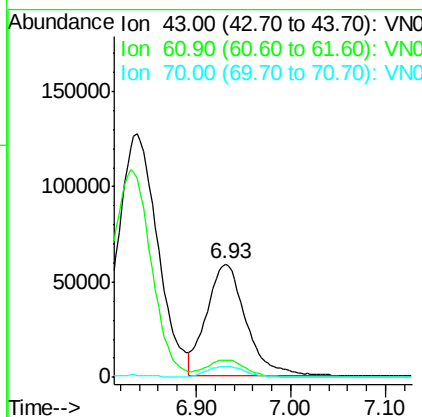
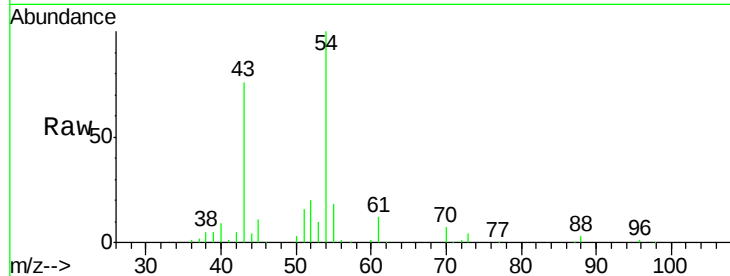
#37
Ethyl Acetate
Concen: 18.939 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

Tgt Ion: 43 Resp: 170499
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.8
70 10.0 7.8 11.8

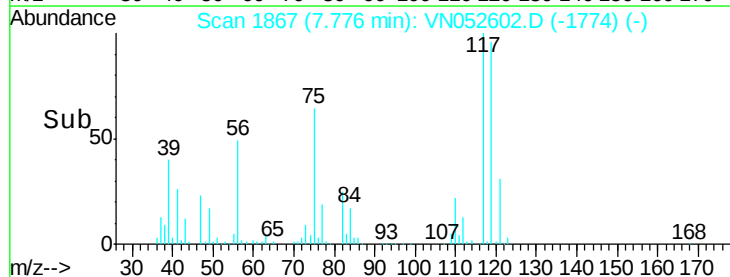
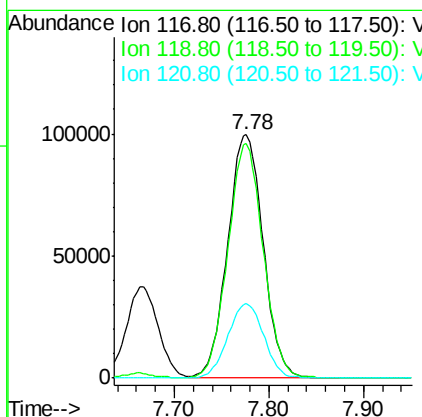
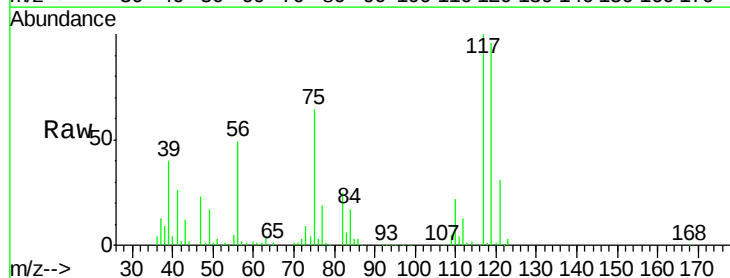
Manual Integrations
APPROVED

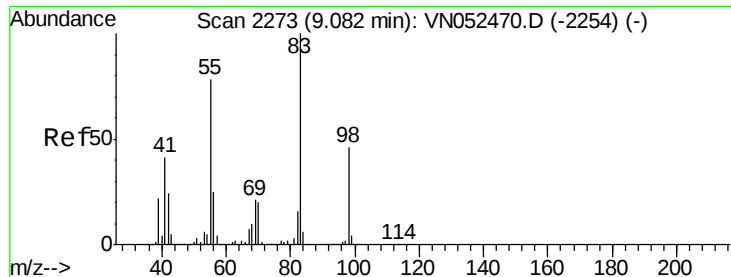
MMDadoda
12/3/2018 10:49:38 AM



#38
Carbon Tetrachloride
Concen: 19.443 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion: 117 Resp: 259647
Ion Ratio Lower Upper
117 100
119 96.5 76.8 115.2
121 30.5 24.9 37.3





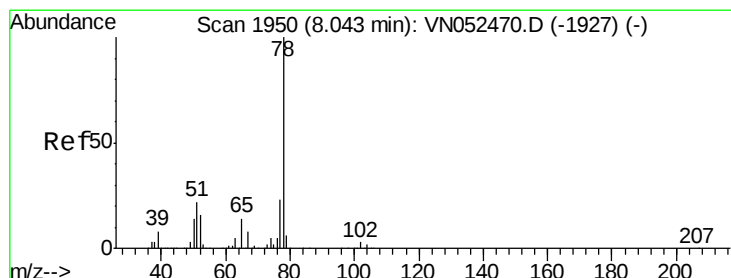
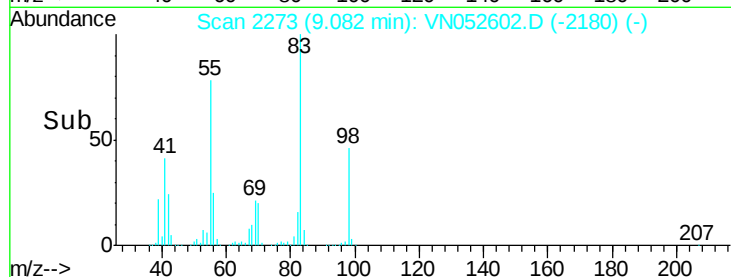
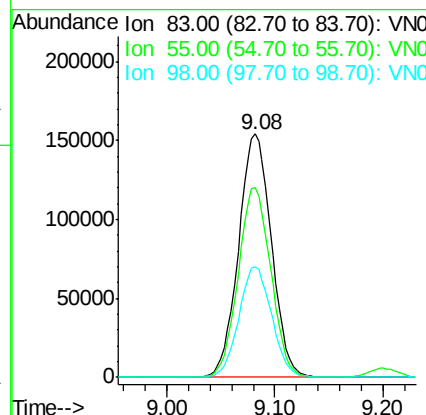
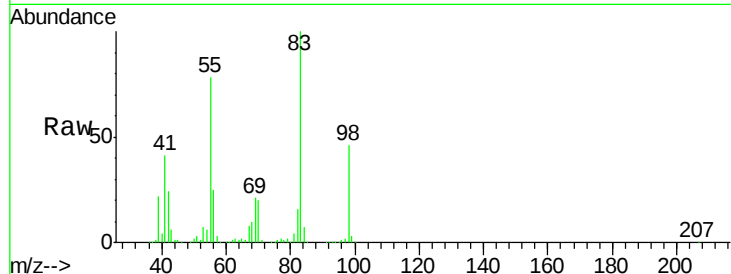
#39
Methylcyclohexane
Concen: 18.226 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	77.7	62.2	93.2
98	45.6	36.4	54.6

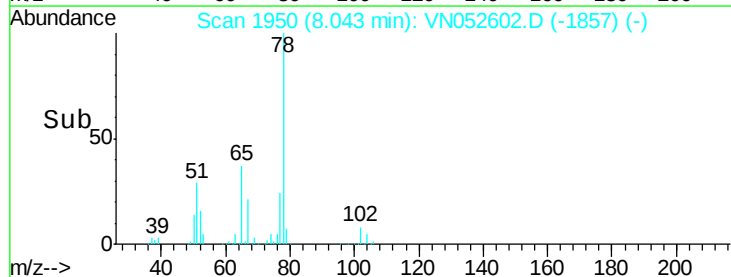
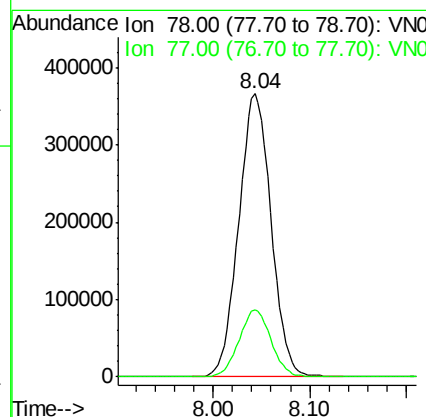
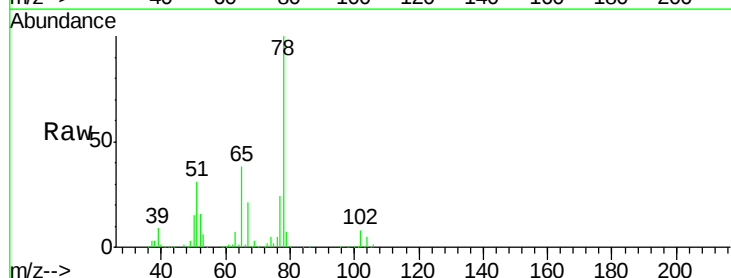
Manual Integrations
APPROVED

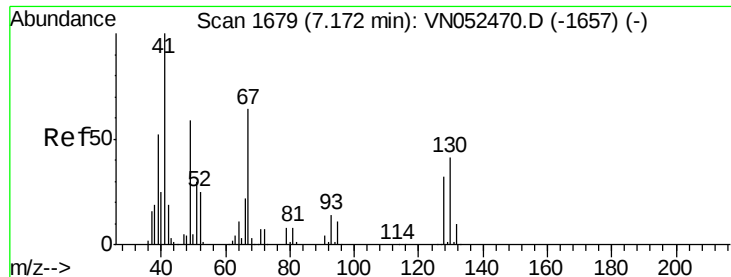
MMDadoda
12/3/2018 10:49:38 AM



#40
Benzene
Concen: 19.391 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	23.7	18.8	28.2





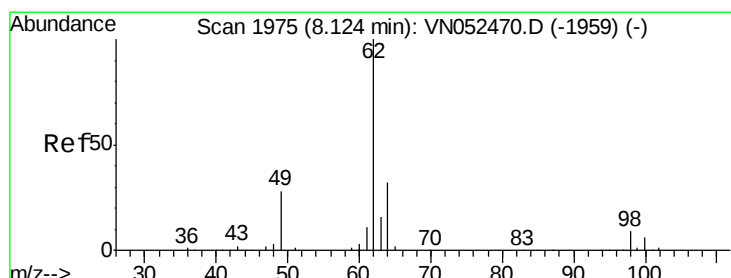
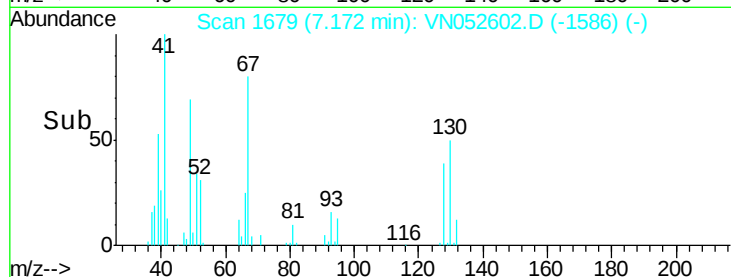
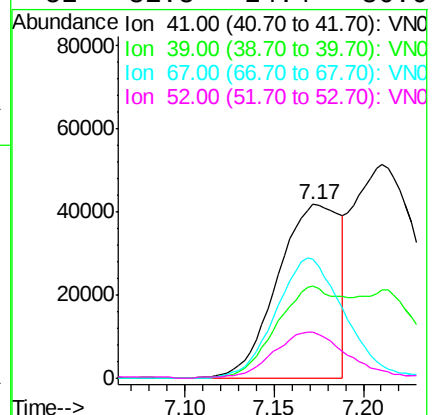
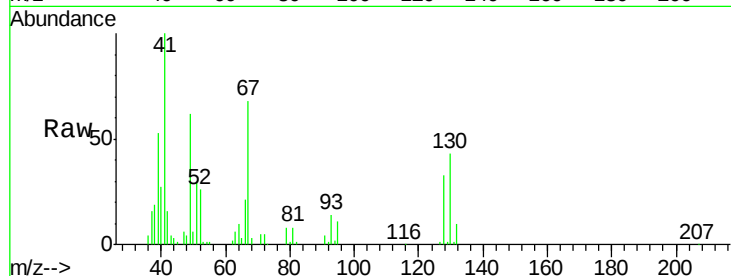
#41
Methacrylonitrile
Concen: 20.564 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.8	50.9	76.3
67	77.2	63.6	95.4
52	31.8	24.4	36.6

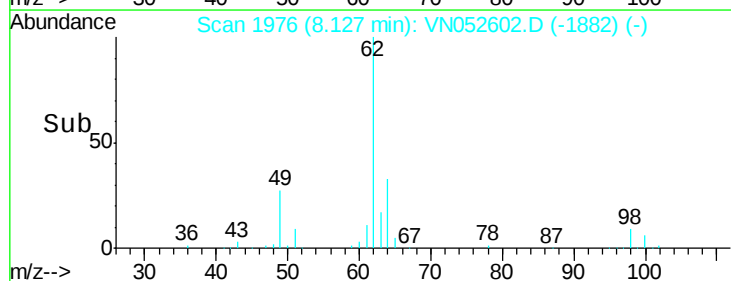
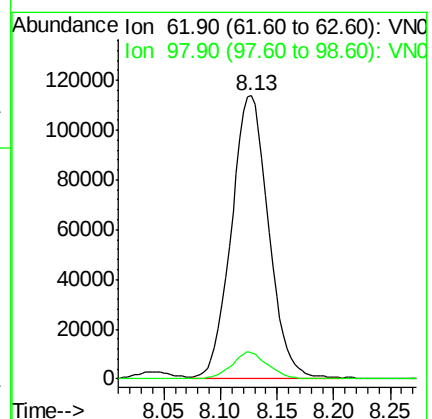
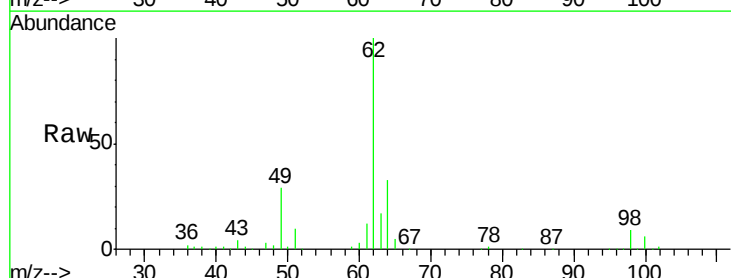
Manual Integrations
APPROVED

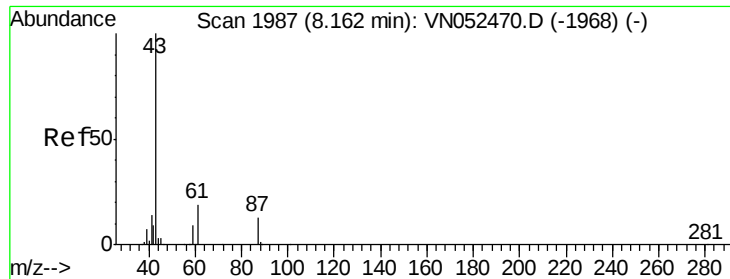
MMDadoda
12/3/2018 10:49:38 AM



#42
1,2-Dichloroethane
Concen: 19.463 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.6





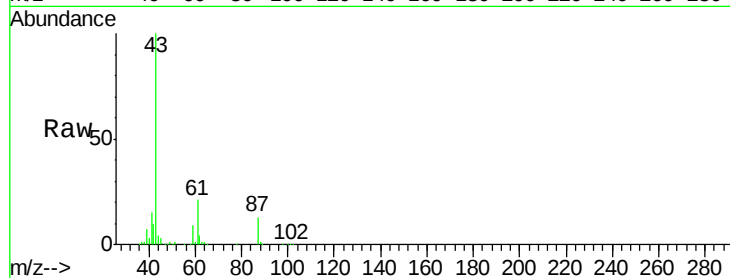
#43
Isopropyl Acetate
Concen: 19.892 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

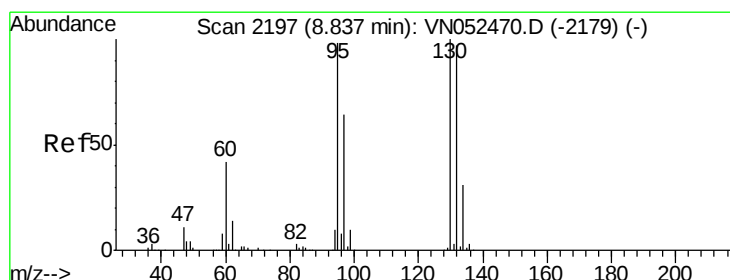
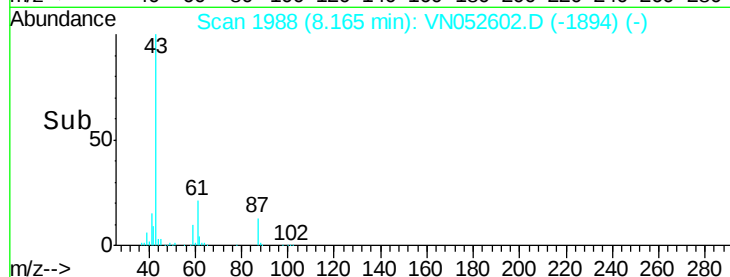
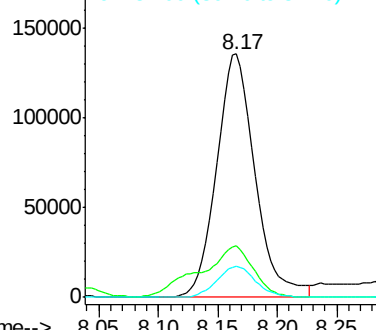
Tgt Ion	Ratio	Lower	Upper
43	100		
61	29.1	24.1	36.1
87	12.9	10.6	15.8

Manual Integrations
APPROVED

MMDadoda
12/3/2018 10:49:38 AM

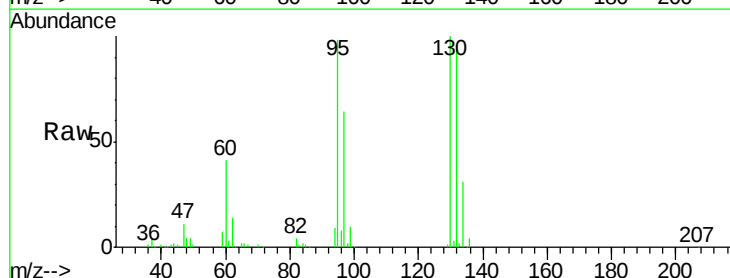


Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)

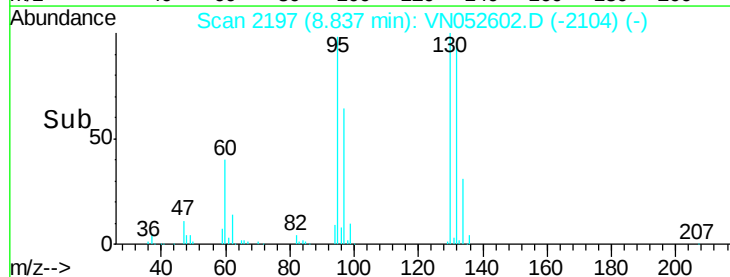
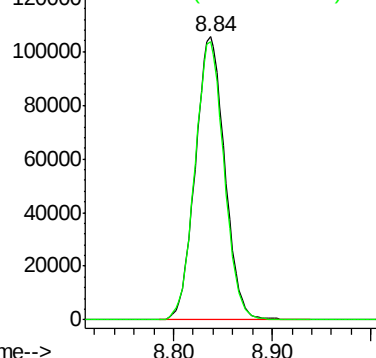


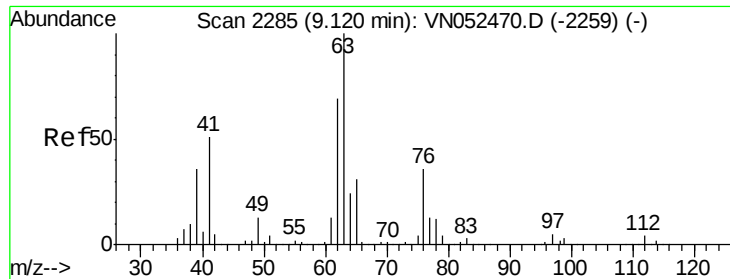
#44
Trichloroethene
Concen: 19.538 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	195.6



Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)





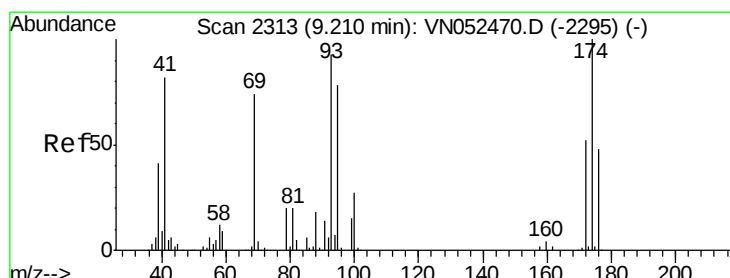
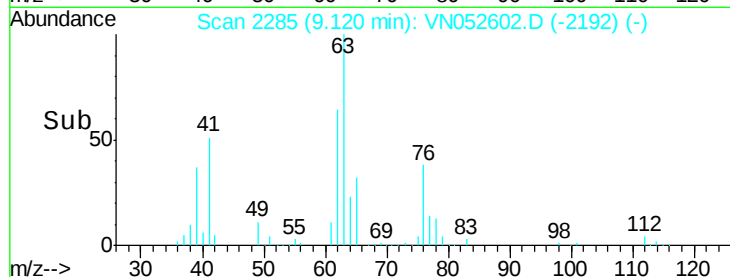
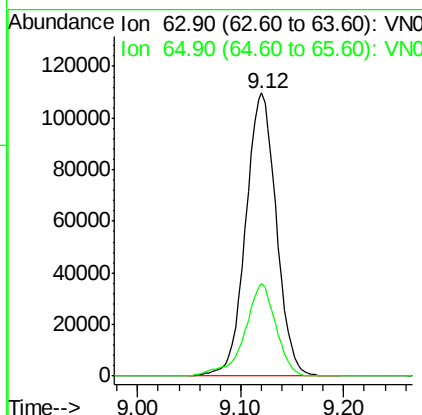
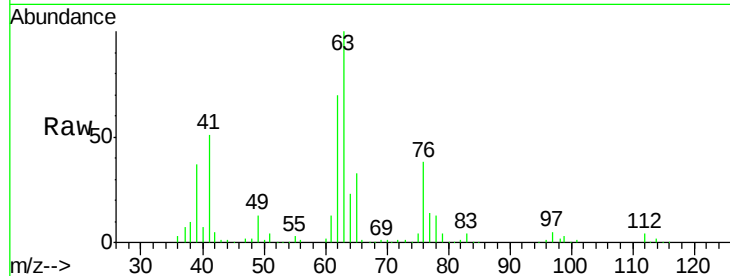
#45
 1,2-Dichloropropane
 Concen: 19.277 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBSD02

Tgt Ion: 63 Resp: 225306
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.0 37.6

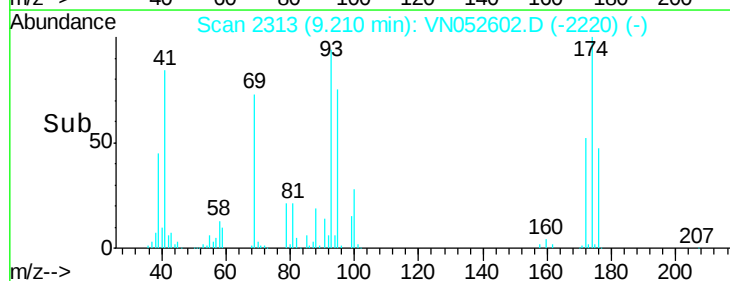
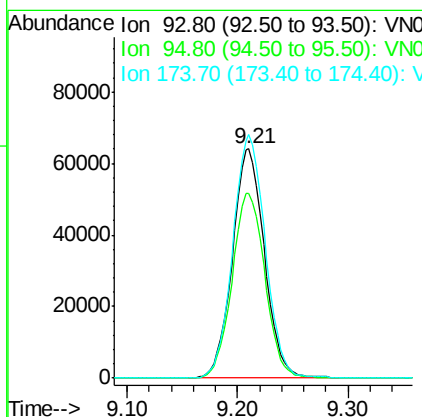
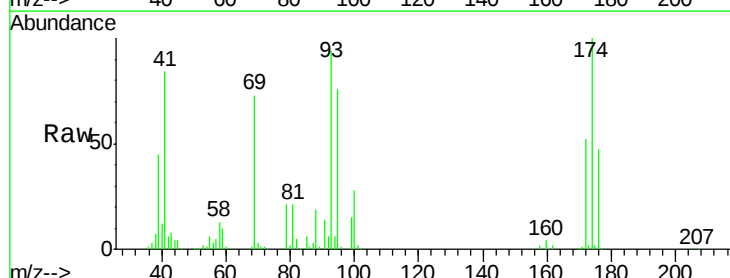
Manual Integrations
 APPROVED

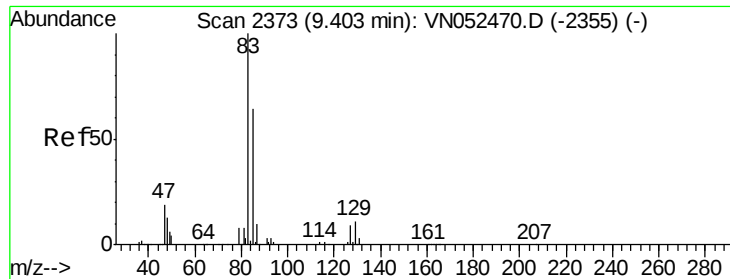
MMDadoda
 12/3/2018 10:49:38 AM



#46
 Dibromomethane
 Concen: 19.929 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Tgt Ion: 93 Resp: 128944
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.1 100.7
 174 107.3 85.8 128.8





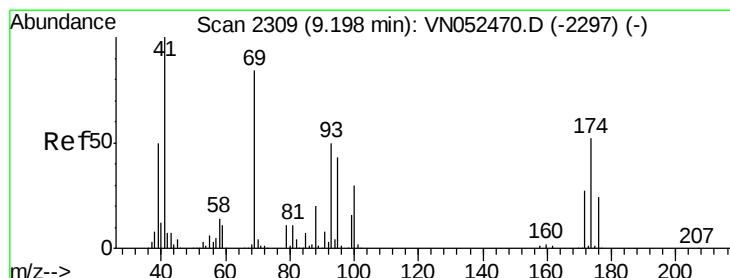
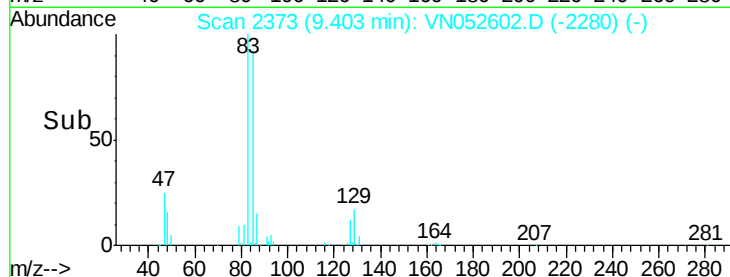
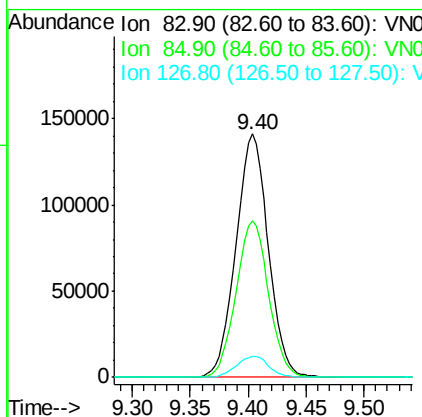
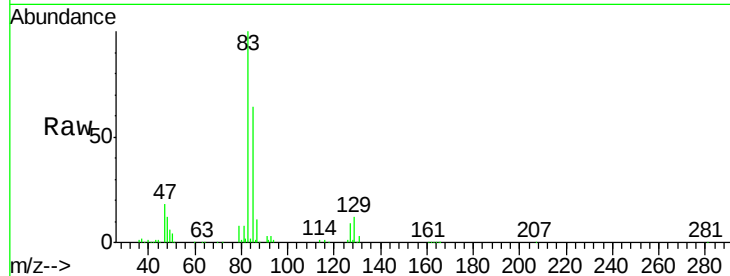
#47
Bromodichloromethane
Concen: 19.373 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	272533		
85	64.4	51.3	76.9	
127	8.7	6.9	10.3	

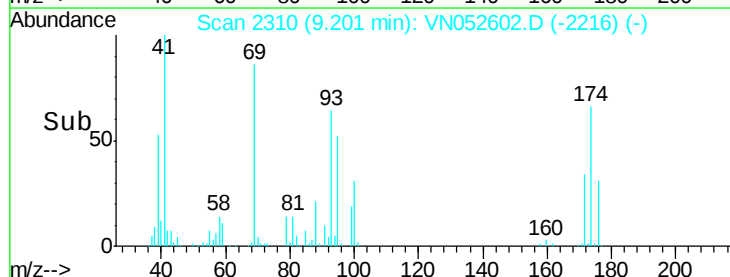
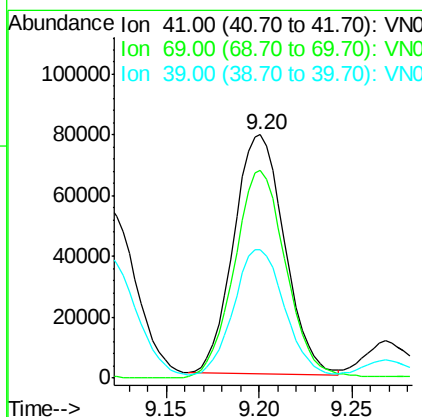
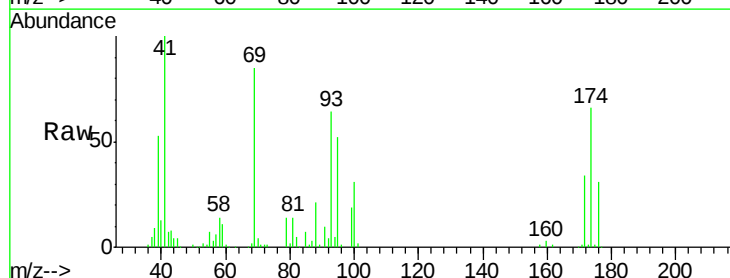
Manual Integrations
APPROVED

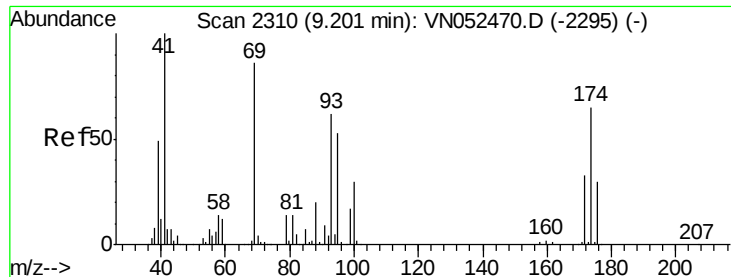
MMDadoda
12/3/2018 10:49:38 AM



#48
Methyl methacrylate
Concen: 18.882 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	149997		
69	88.9	70.0	105.0	
39	54.5	42.6	64.0	





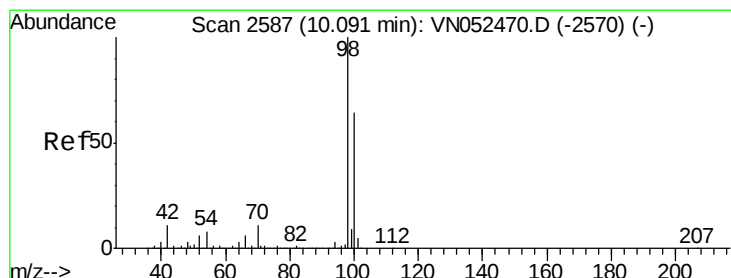
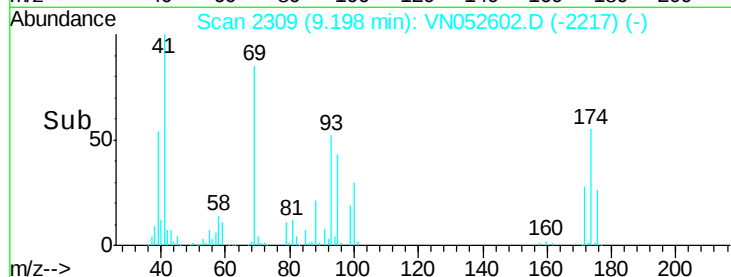
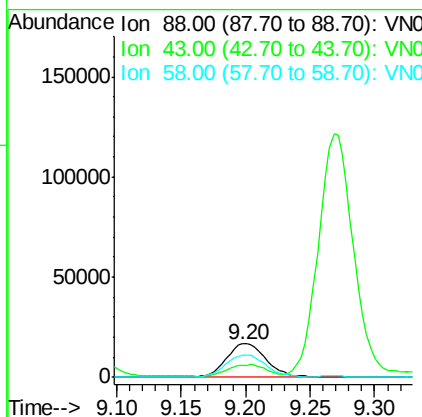
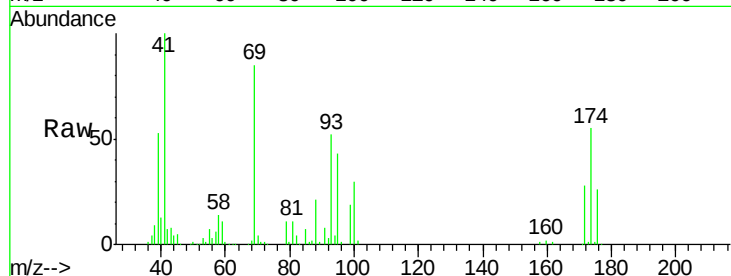
#49
1,4-Dioxane
Concen: 439.488 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.9	26.4	39.6
58	67.5	55.4	83.0

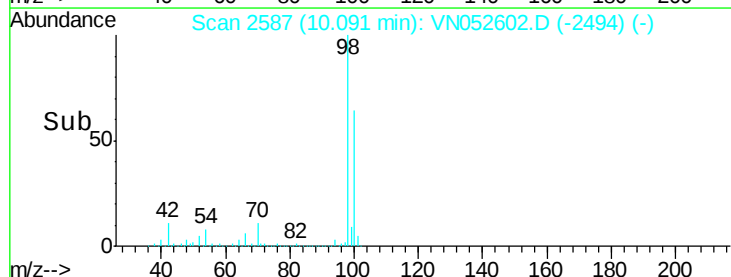
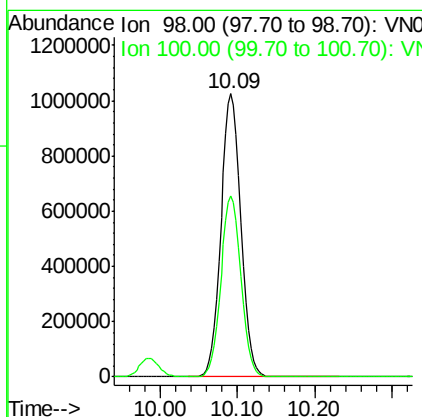
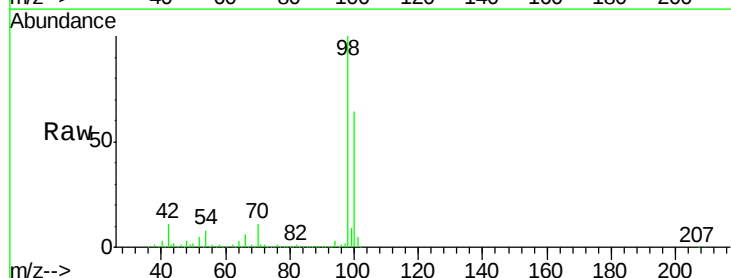
Manual Integrations
APPROVED

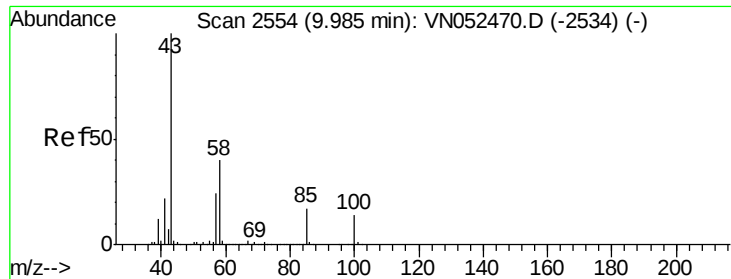
MMDadoda
12/3/2018 10:49:38 AM



#50
Toluene-d8
Concen: 439.488 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 97.169 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

Tgt Ion: 43 Resp: 830605

Ion Ratio Lower Upper

43 100

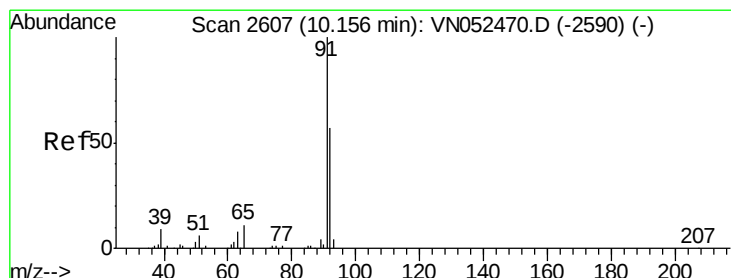
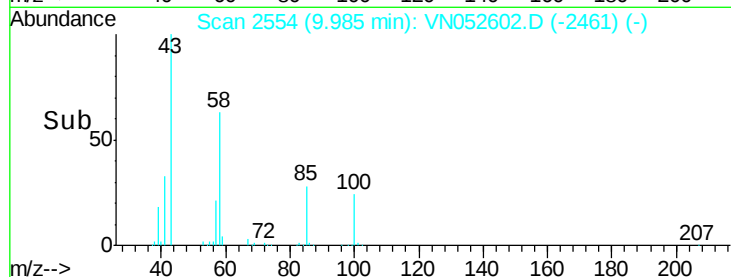
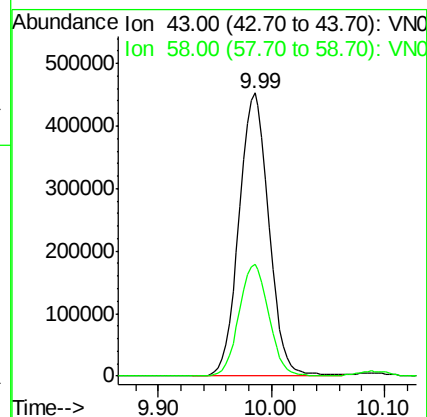
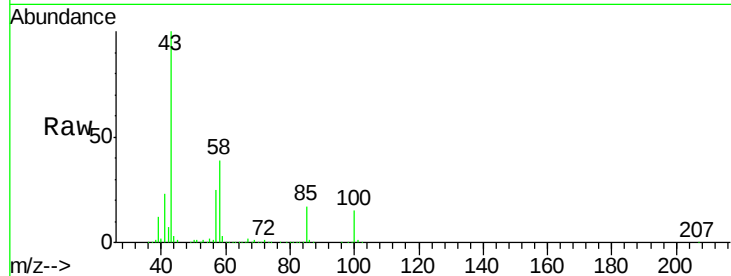
58 39.6 31.5 47.3

Manual Integrations

APPROVED

MMDadoda

12/3/2018 10:49:38 AM



#52

Toluene

Concen: 19.731 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052602.D

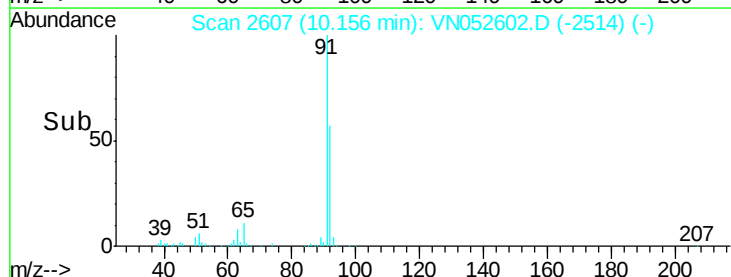
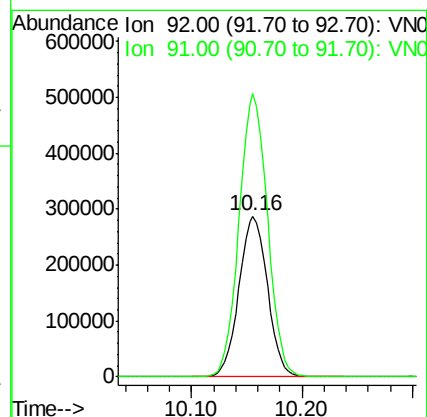
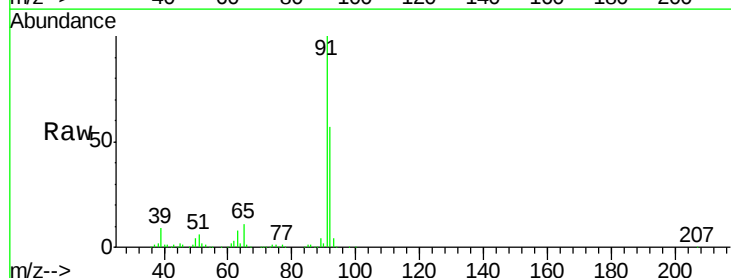
Acq: 30 Nov 2018 13:08

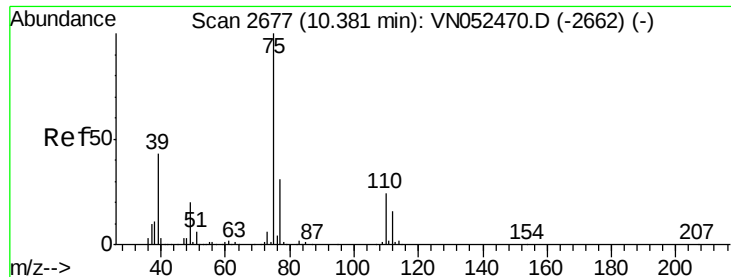
Tgt Ion: 92 Resp: 515357

Ion Ratio Lower Upper

92 100

91 175.3 141.0 211.4





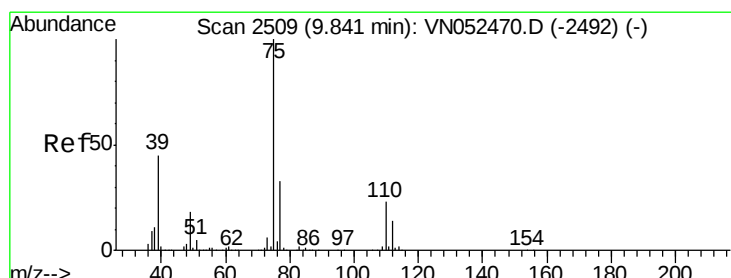
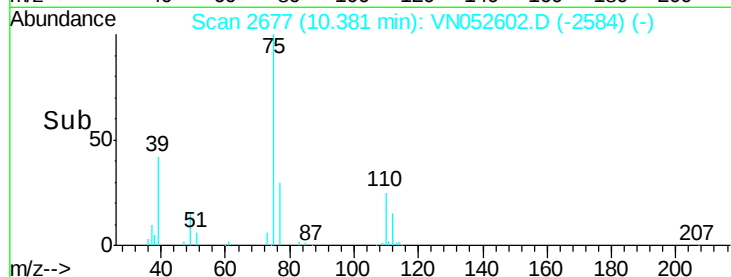
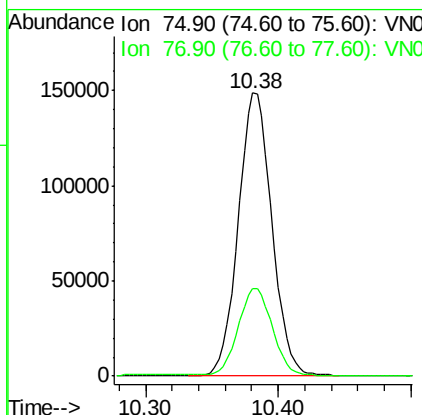
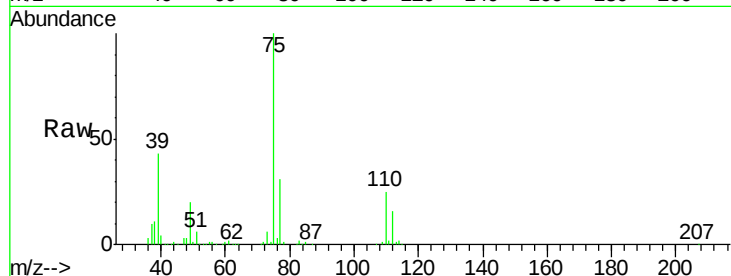
#53
 t-1,3-Dichloropropene
 Concen: 19.344 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBSD02

Tgt Ion: 75 Resp: 261788
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.0 37.4

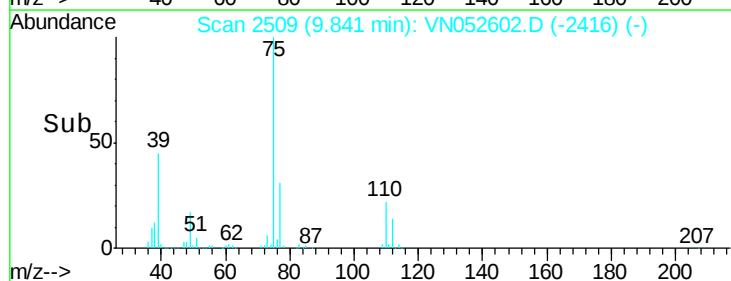
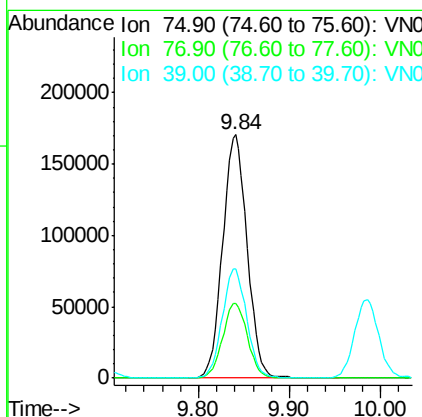
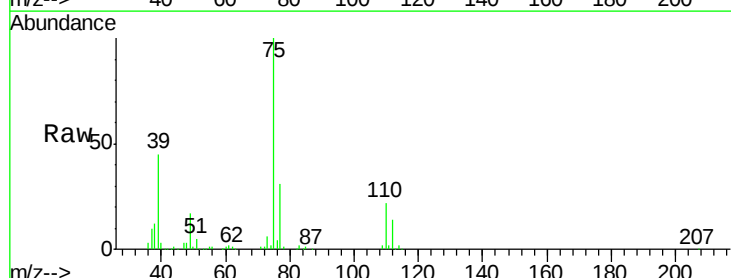
Manual Integrations
 APPROVED

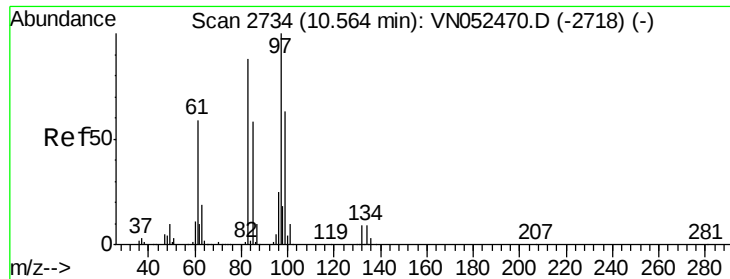
MMDadoda
 12/3/2018 10:49:38 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.637 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Tgt Ion: 75 Resp: 318463
 Ion Ratio Lower Upper
 75 100
 77 30.8 26.2 39.2
 39 44.8 36.0 54.0





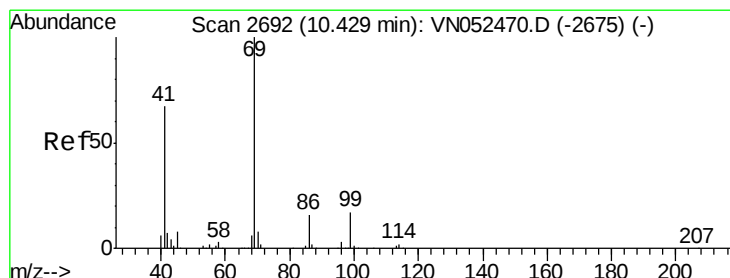
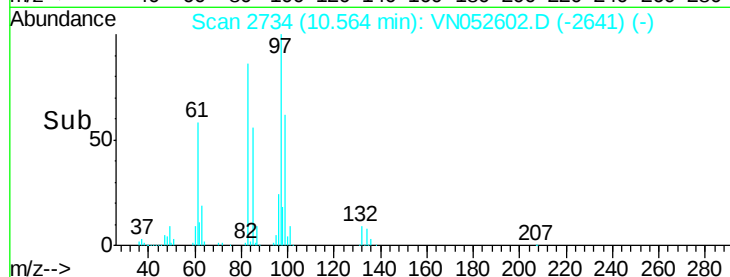
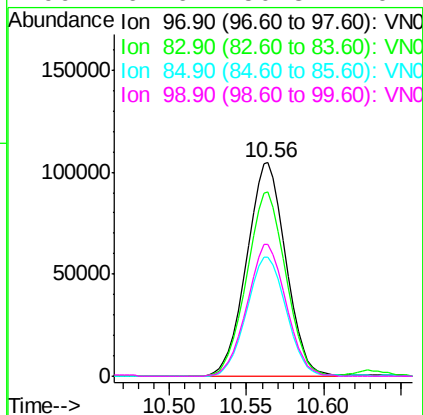
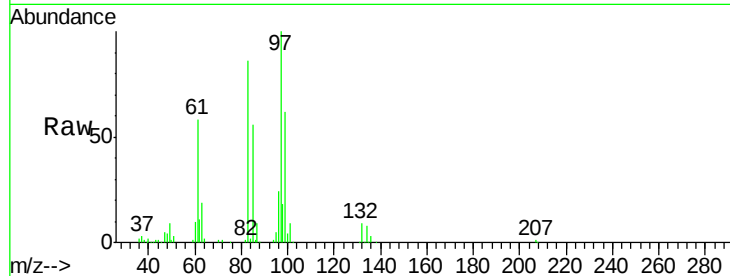
#55
 1,1,2-Trichloroethane
 Concen: 20.099 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBSD02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.7	106.1
85	55.8	46.1	69.1
99	61.6	50.8	76.2

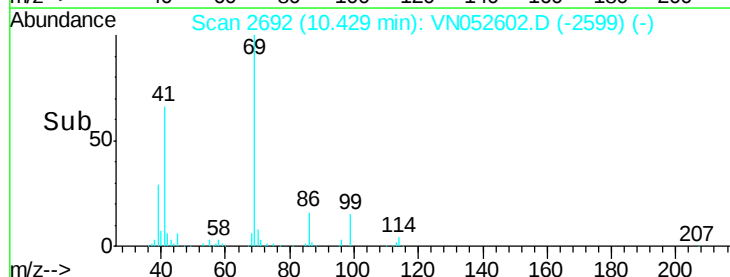
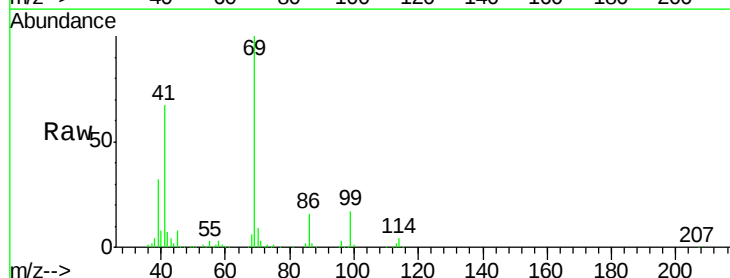
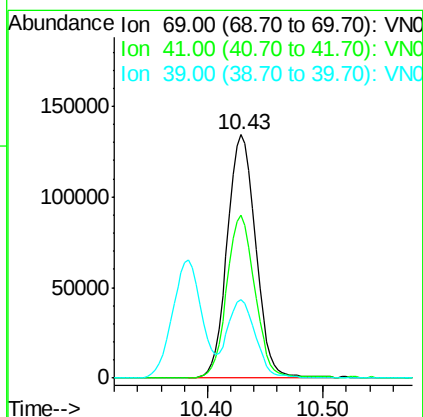
Manual Integrations
 APPROVED

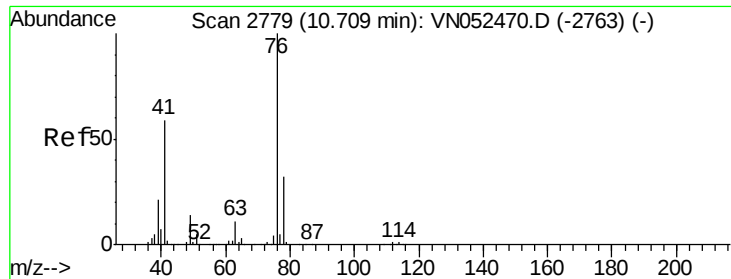
MMDadoda
 12/3/2018 10:49:38 AM



#56
 Ethyl methacrylate
 Concen: 19.690 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.0	52.6	79.0
39	31.9	25.9	38.9





#57

1,3-Dichloropropane

Concen: 19.315 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

Tgt Ion: 76 Resp: 313341

Ion Ratio Lower Upper

76 100

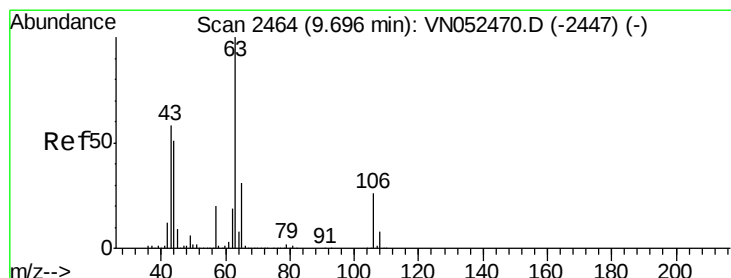
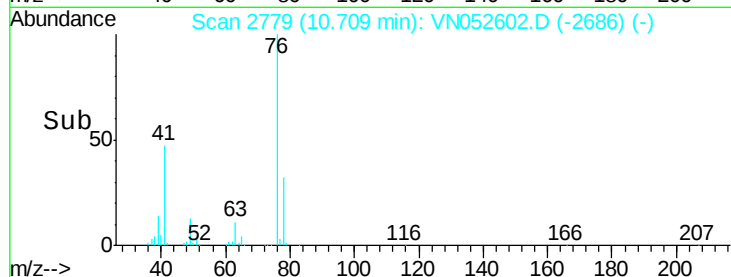
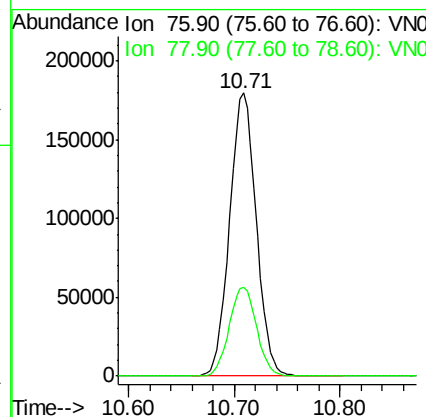
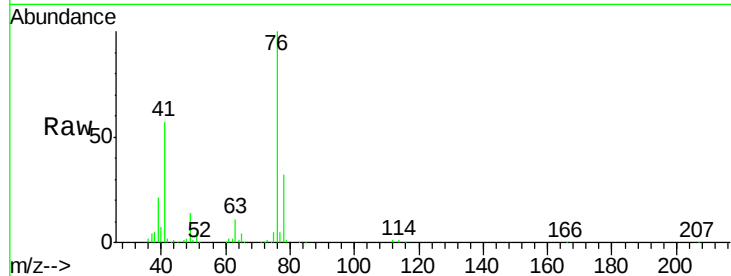
78 32.3 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

12/3/2018 10:49:38 AM



#58

2-Chloroethyl Vinyl ether

Concen: 99.636 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052602.D

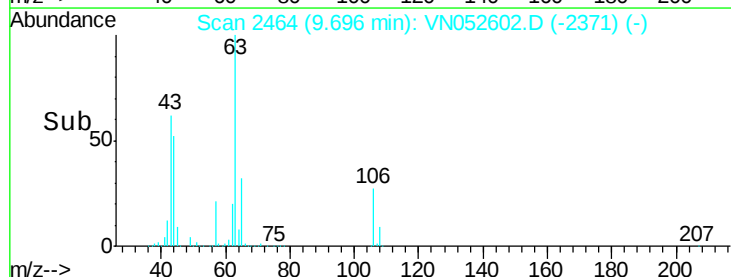
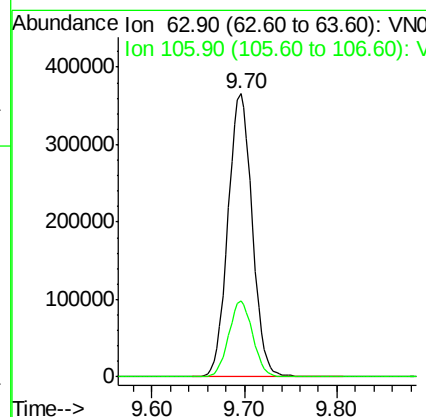
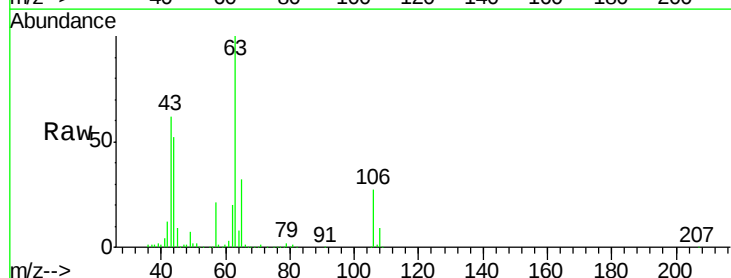
Acq: 30 Nov 2018 13:08

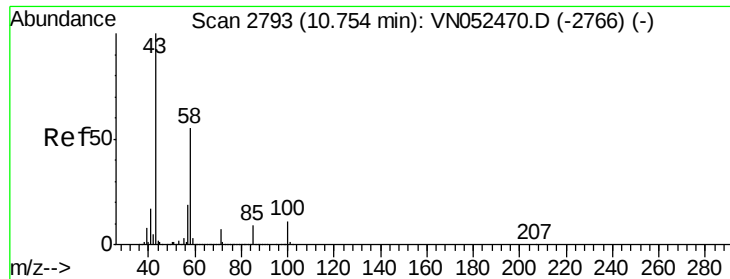
Tgt Ion: 63 Resp: 664257

Ion Ratio Lower Upper

63 100

106 26.5 20.6 30.8





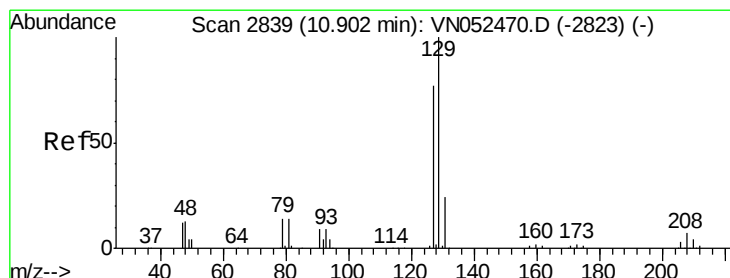
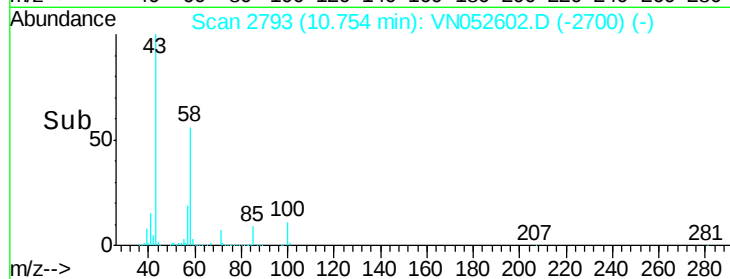
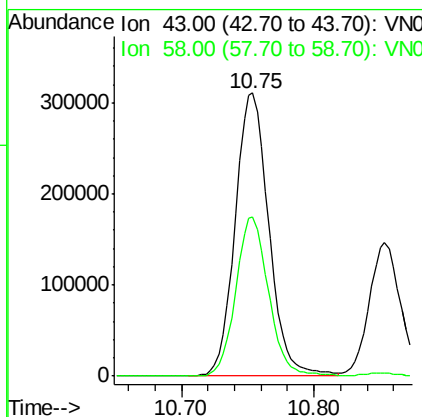
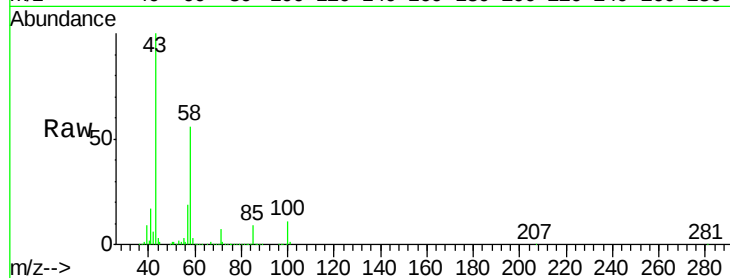
#59
2-Hexanone
Concen: 95.150 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

Tgt Ion: 43 Resp: 545880
Ion Ratio Lower Upper
43 100
58 54.9 27.4 82.0

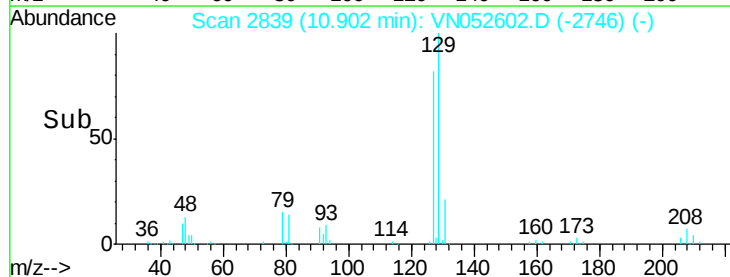
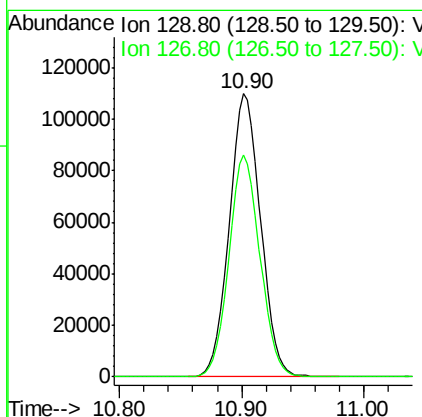
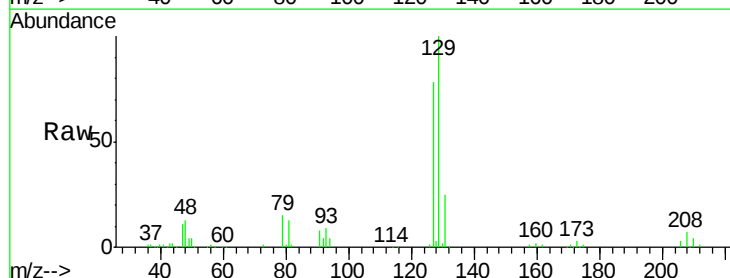
Manual Integrations
APPROVED

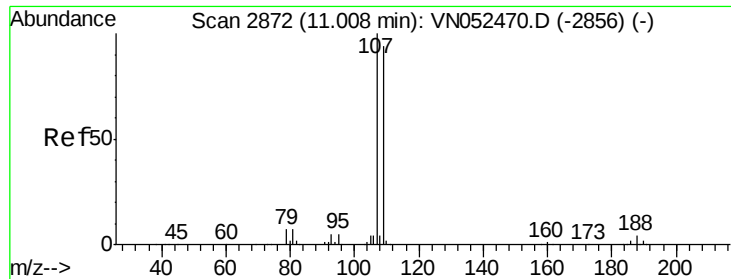
MMDadoda
12/3/2018 10:49:38 AM



#60
Dibromochloromethane
Concen: 19.649 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion: 129 Resp: 196070
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.6





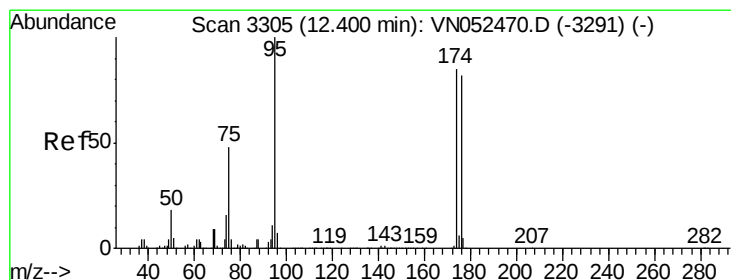
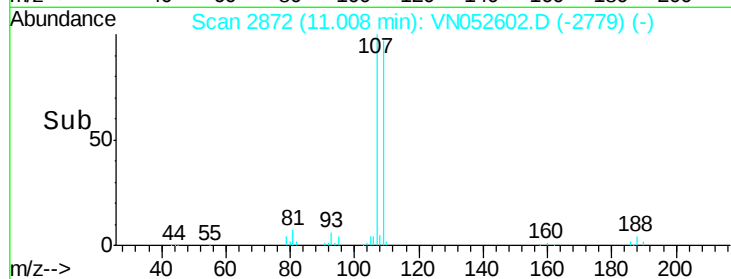
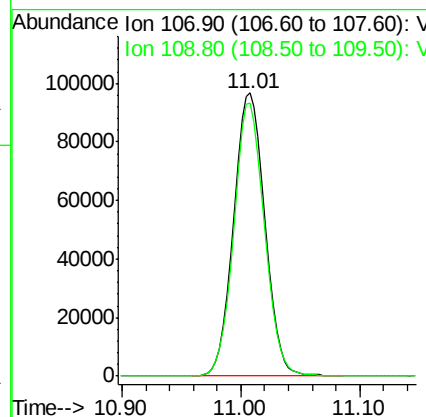
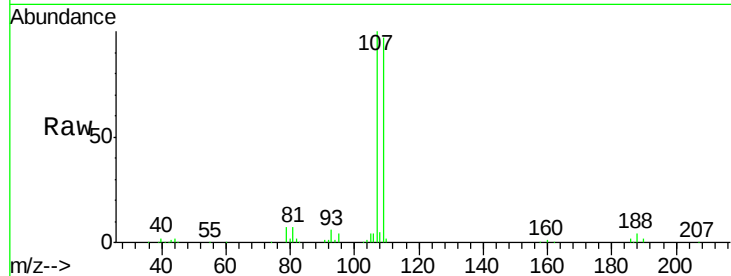
#61
 1,2-Dibromoethane
 Concen: 19.287 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBSD02

Tgt Ion: 107 Resp: 175999
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.6 113.4

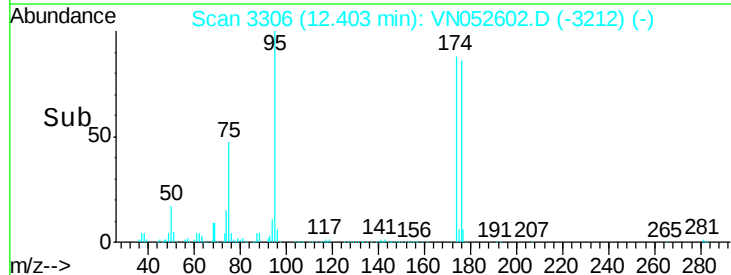
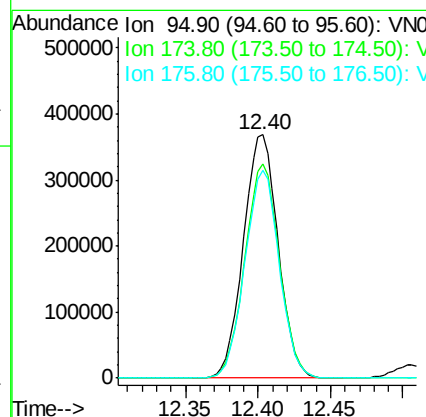
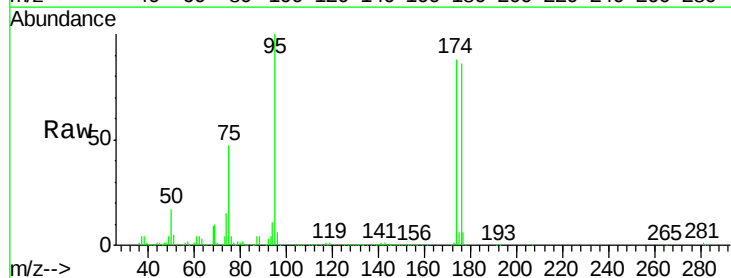
Manual Integrations
 APPROVED

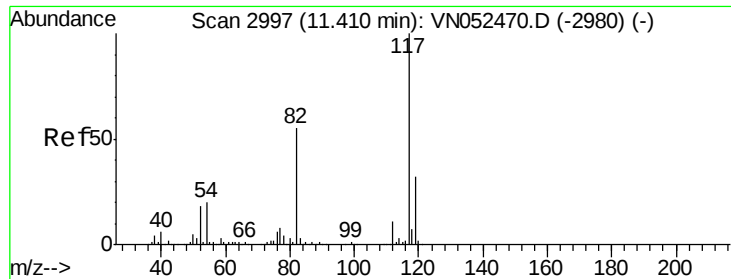
MMDadoda
 12/3/2018 10:49:38 AM



#62
 4-Bromofluorobenzene
 Concen: 19.287 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Tgt Ion: 95 Resp: 614984
 Ion Ratio Lower Upper
 95 100
 174 87.6 0.0 173.0
 176 84.4 0.0 166.2





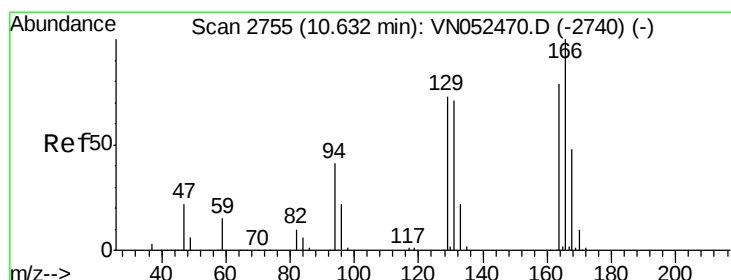
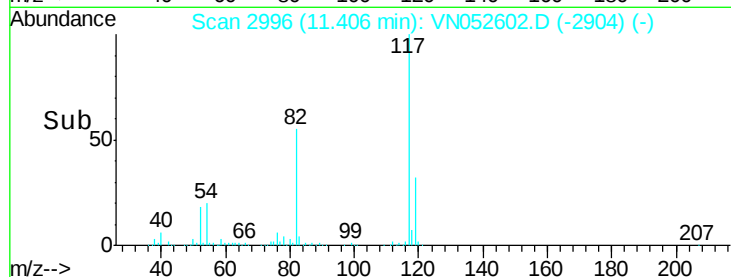
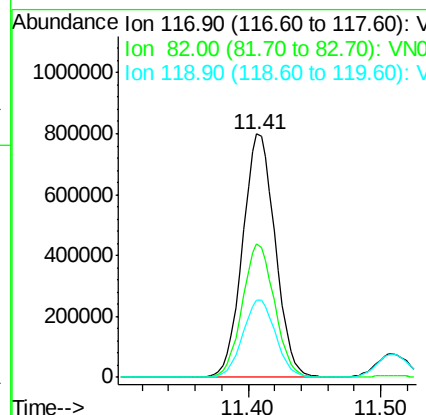
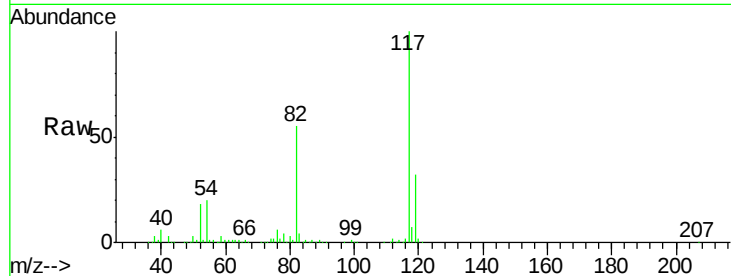
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

Tgt Ion:117 Resp: 1361661
Ion Ratio Lower Upper
117 100
82 54.6 43.6 65.4
119 31.9 25.4 38.2

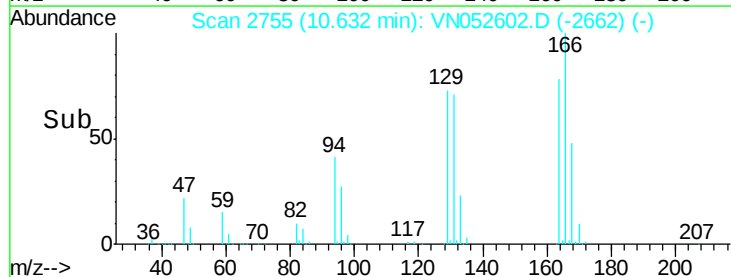
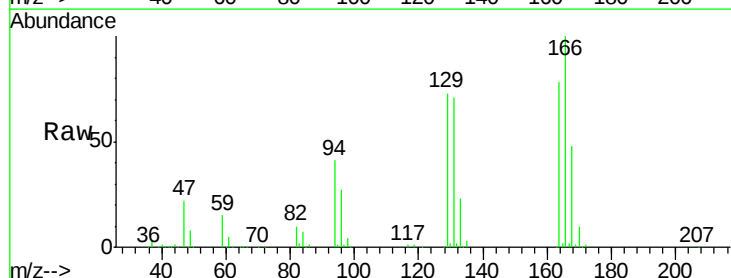
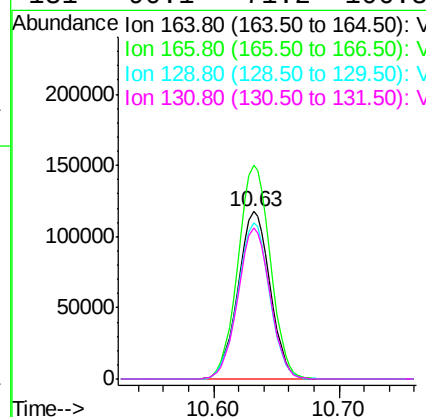
Manual Integrations
APPROVED

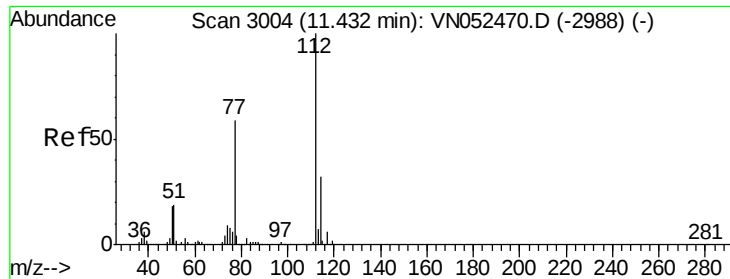
MMDadoda
12/3/2018 10:49:38 AM



#64
Tetrachloroethene
Concen: 19.777 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion:164 Resp: 208792
Ion Ratio Lower Upper
164 100
166 127.8 101.0 151.4
129 93.2 73.8 110.6
131 90.1 71.2 106.8





#65

Chlorobenzene

Concen: 19.854 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

Tgt Ion:112 Resp: 557449

Ion Ratio Lower Upper

112 100

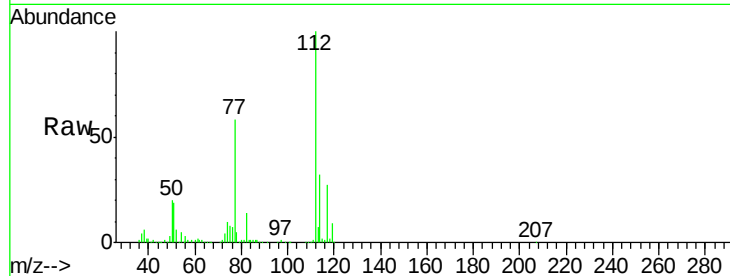
114 31.8 25.8 38.6

Manual Integrations

APPROVED

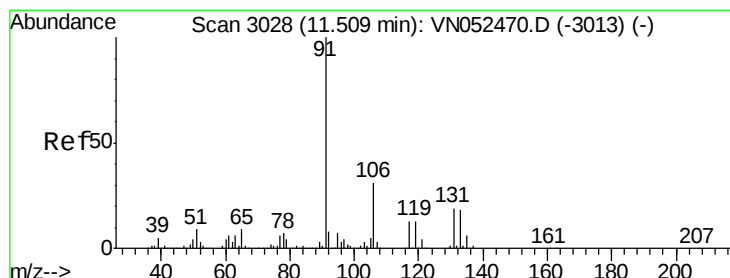
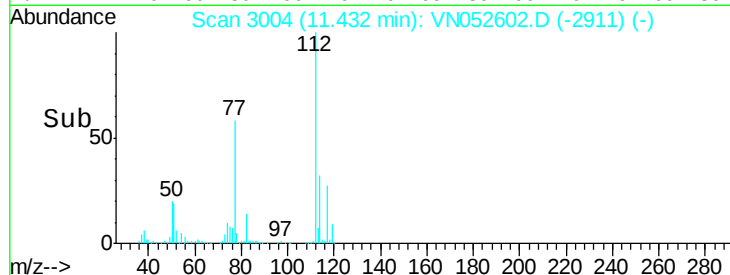
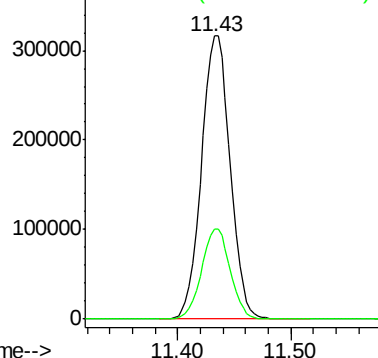
MMDadoda

12/3/2018 10:49:38 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.987 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

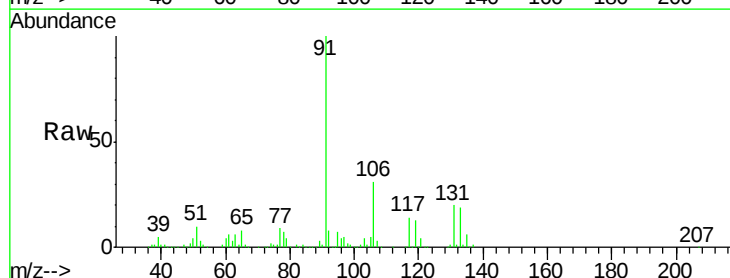
Tgt Ion:131 Resp: 195129

Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.8

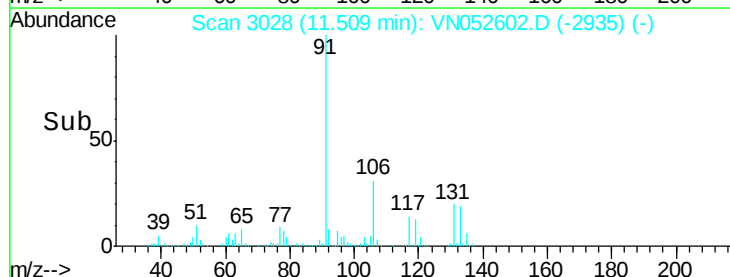
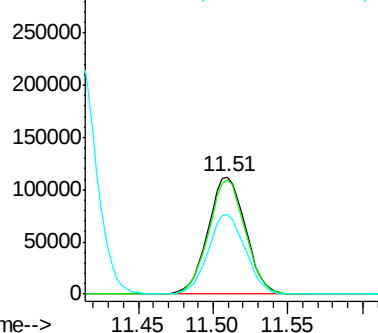
119 67.1 33.2 99.6

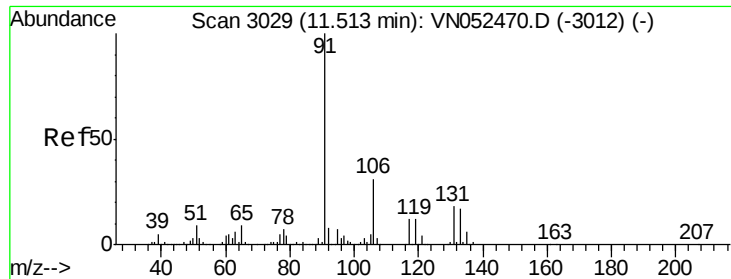


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.606 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

Tgt Ion: 91 Resp: 964000

Ion Ratio Lower Upper

91 100

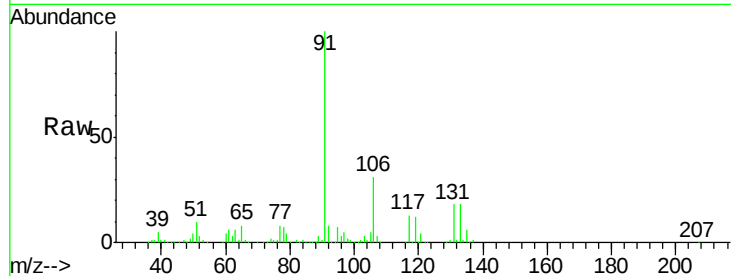
106 30.9 24.9 37.3

Manual Integrations

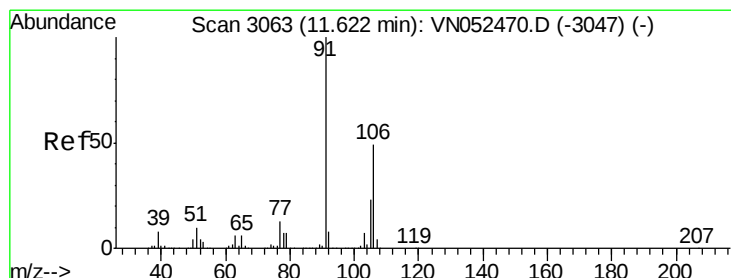
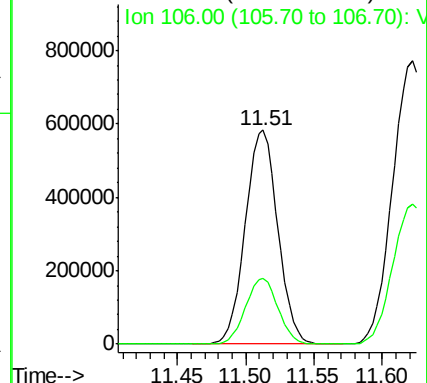
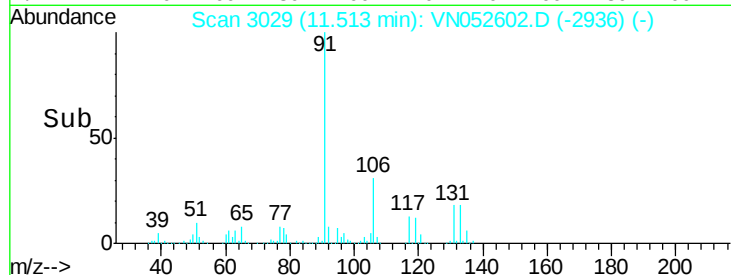
APPROVED

MMDadoda

12/3/2018 10:49:38 AM



Abundance Ion 91.00 (90.70 to 91.70): VN052602.D (-2936) (-)



#68

m/p-Xylenes

Concen: 39.720 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052602.D

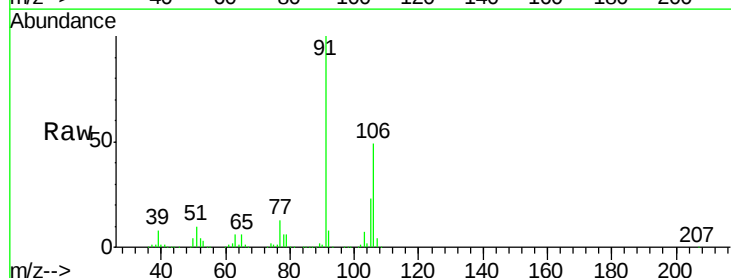
Acq: 30 Nov 2018 13:08

Tgt Ion: 106 Resp: 727041

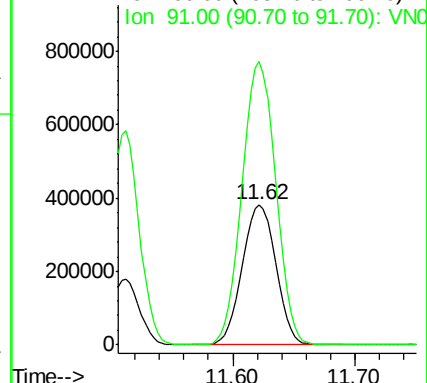
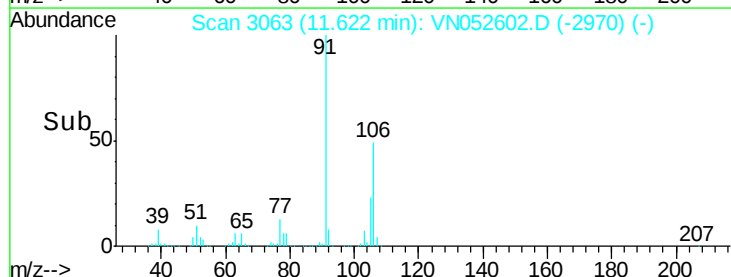
Ion Ratio Lower Upper

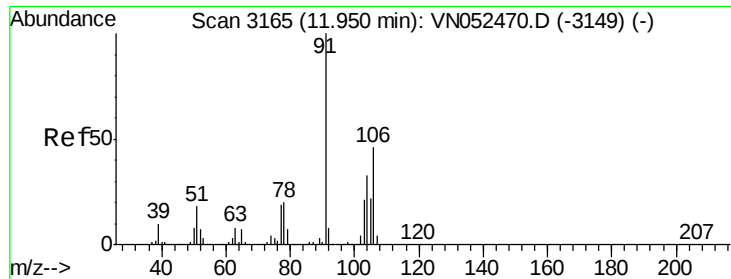
106 100

91 202.8 163.2 244.8



Abundance Ion 106.00 (105.70 to 106.70): VN052602.D (-2970) (-)





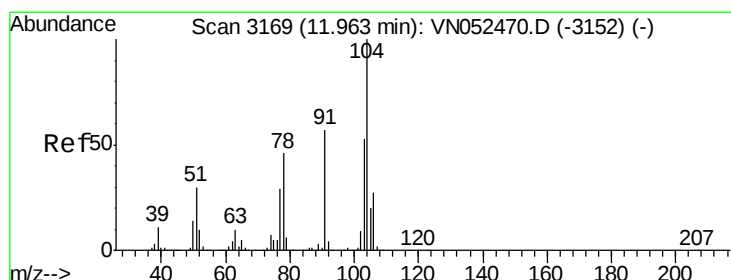
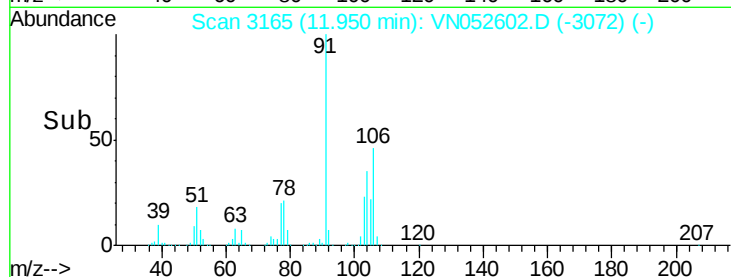
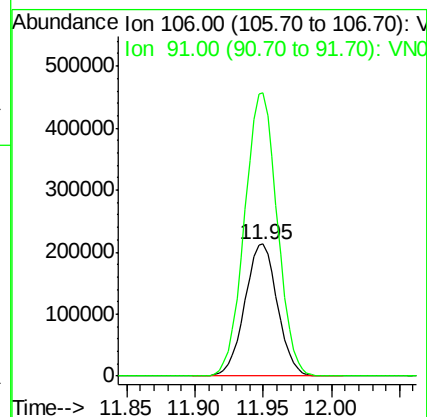
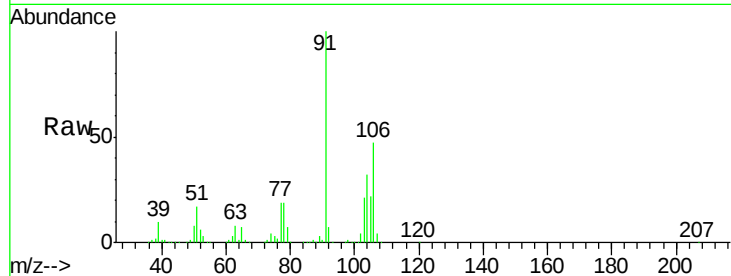
#69
o-Xylene
Concen: 19.917 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

Tgt Ion:106 Resp: 354019
Ion Ratio Lower Upper
106 100
91 215.0 107.7 323.1

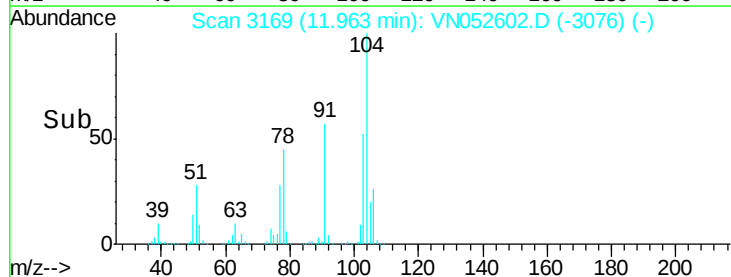
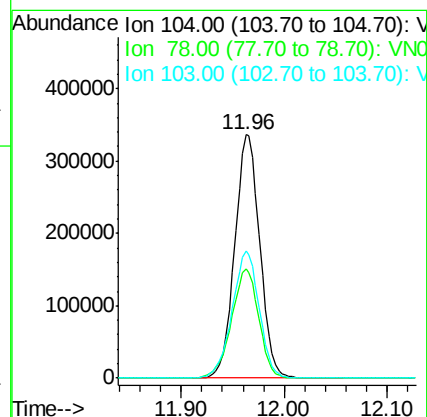
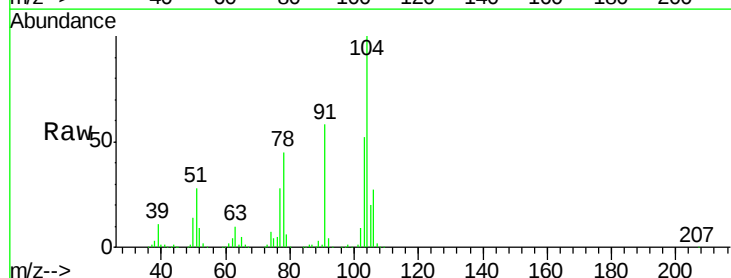
Manual Integrations
APPROVED

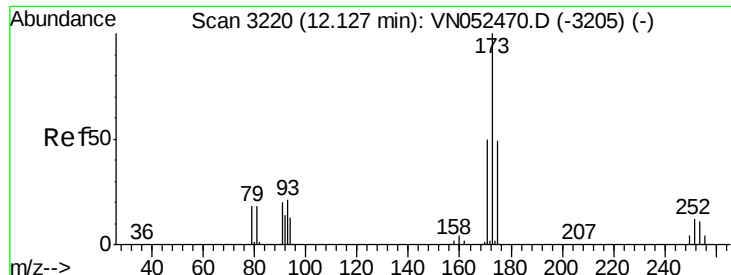
MMDadoda
12/3/2018 10:49:38 AM



#70
Styrene
Concen: 20.117 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion:104 Resp: 569538
Ion Ratio Lower Upper
104 100
78 48.7 39.4 59.2
103 56.3 44.9 67.3





#71

Bromoform

Concen: 19.721 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

Tgt Ion:173 Resp: 127479

Ion Ratio Lower Upper

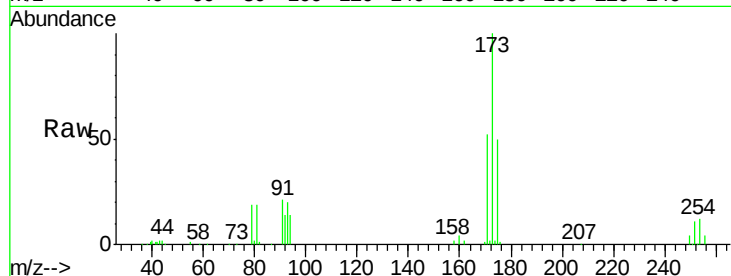
173 100

175 48.5 24.4 73.2

254 0.0 0.1 0.1#

Manual Integrations
APPROVED

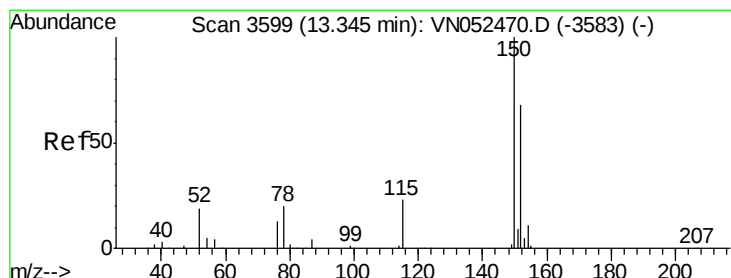
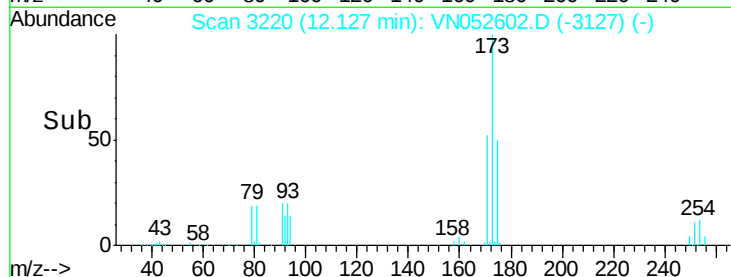
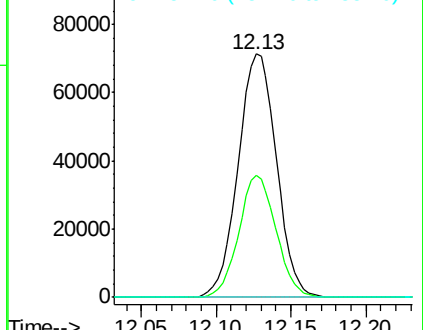
MMDadoda
12/3/2018 10:49:38 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

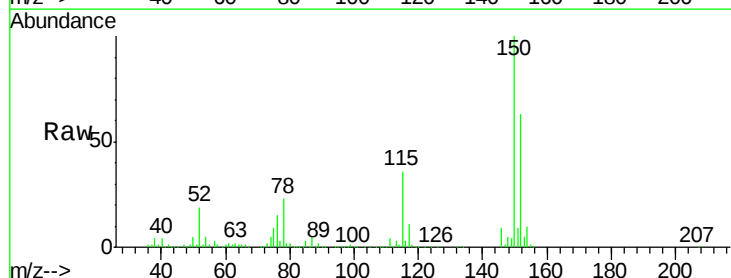
Tgt Ion:152 Resp: 595097

Ion Ratio Lower Upper

152 100

115 57.5 28.4 85.2

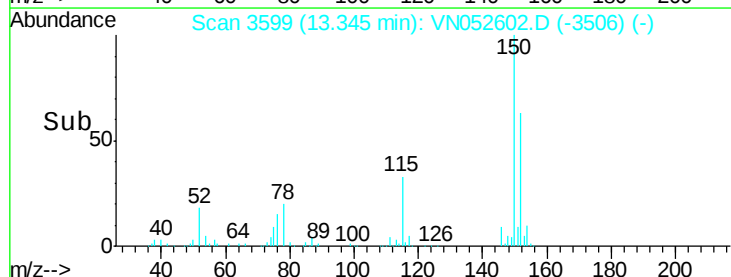
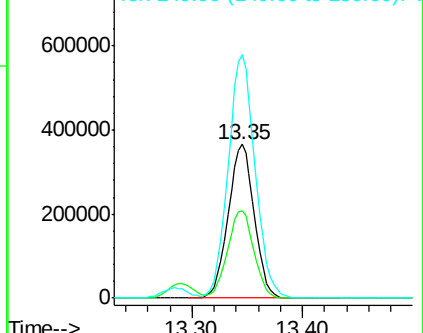
150 164.7 0.0 346.0

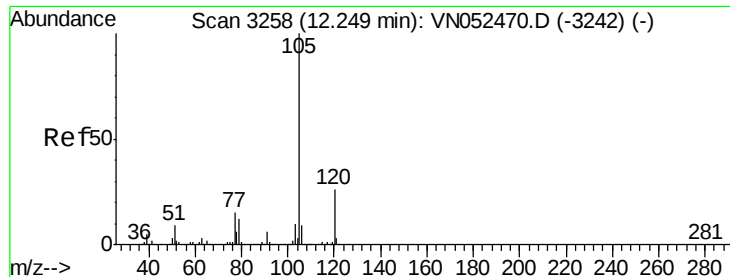


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.156 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

Tgt Ion: 105 Resp: 941083

Ion Ratio Lower Upper

105 100

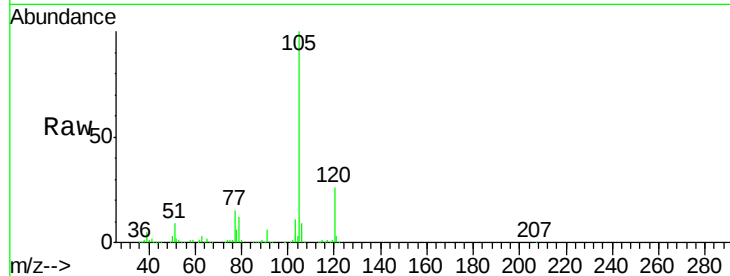
120 26.6 13.1 39.3

Manual Integrations

APPROVED

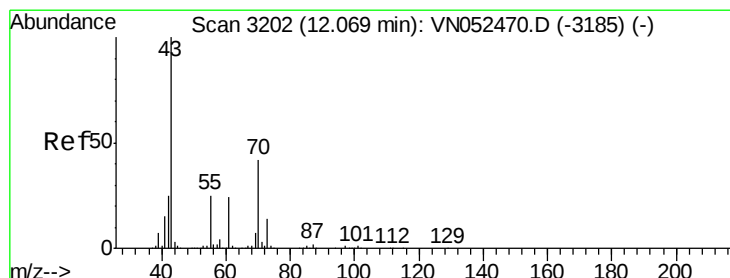
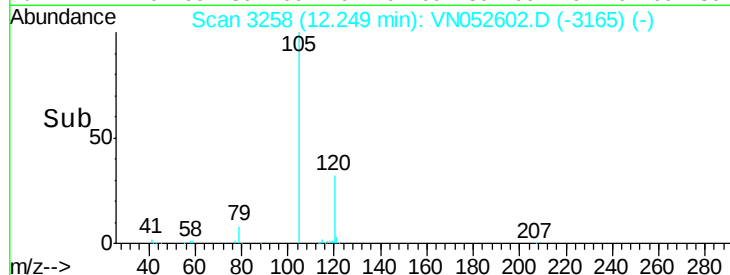
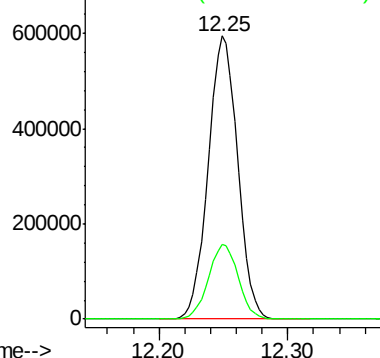
MMDadoda

12/3/2018 10:49:38 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.061 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Tgt Ion: 43 Resp: 236628

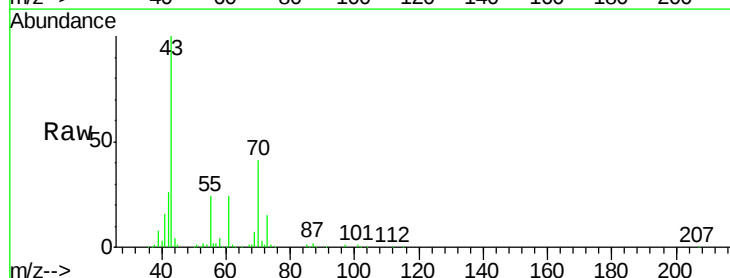
Ion Ratio Lower Upper

43 100

70 42.1 33.8 50.8

55 24.6 20.0 30.0

61 24.3 19.7 29.5

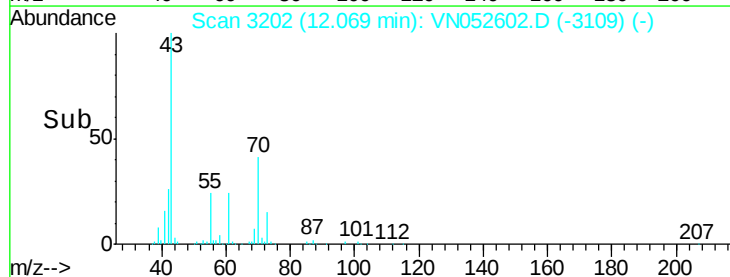
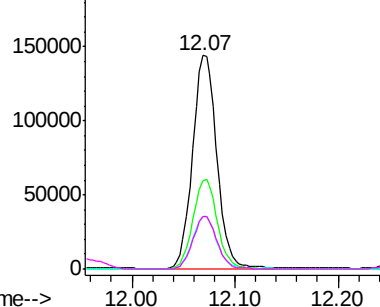


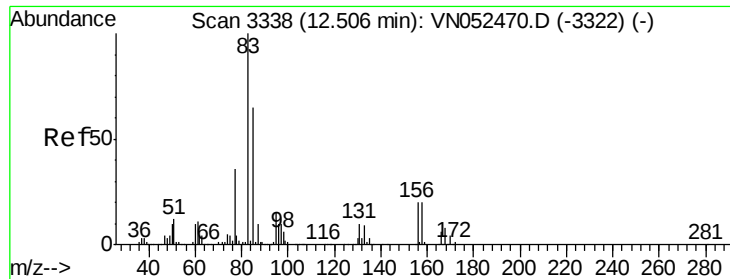
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.605 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

Tgt Ion: 83 Resp: 208218
Ion Ratio Lower Upper

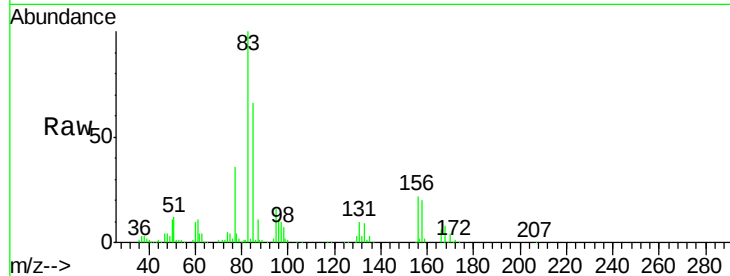
83 100

131 10.2 5.0 15.0

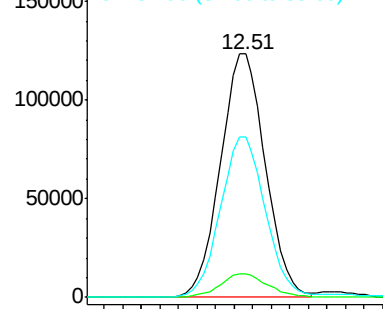
85 66.0 31.9 95.9

Manual Integrations
APPROVED

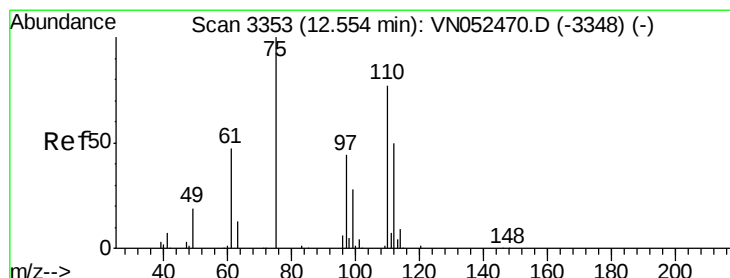
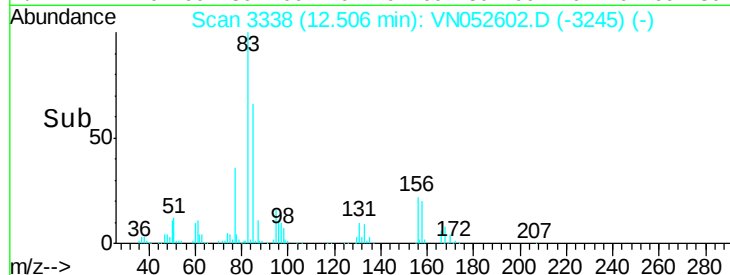
MMDadoda
12/3/2018 10:49:38 AM



Abundance Ion 82.90 (82.60 to 83.60): VN052602.D (-3245) (-)
Ion 130.80 (130.50 to 131.50): VN052602.D (-3245) (-)
Ion 84.90 (84.60 to 85.60): VN052602.D (-3245) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 19.413 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

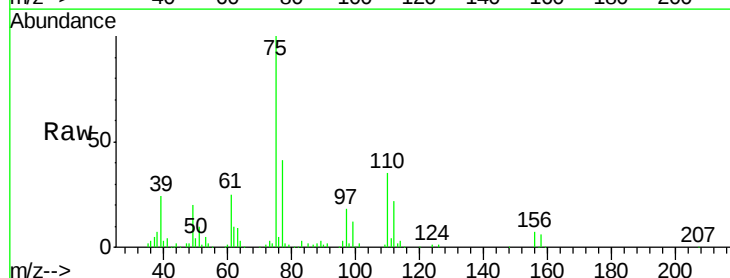
Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

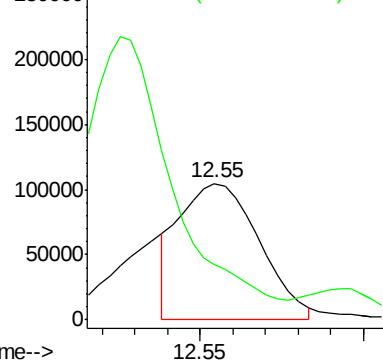
Tgt Ion: 75 Resp: 178149
Ion Ratio Lower Upper

75 100

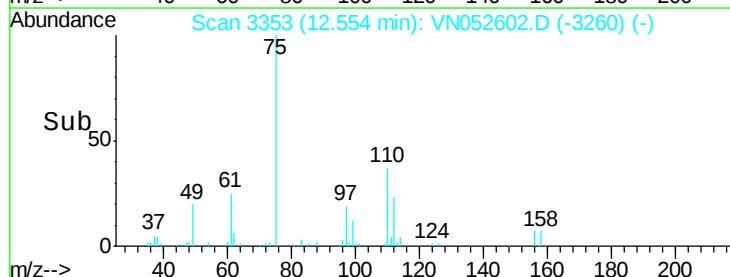
77 0.0 0.0 0.0

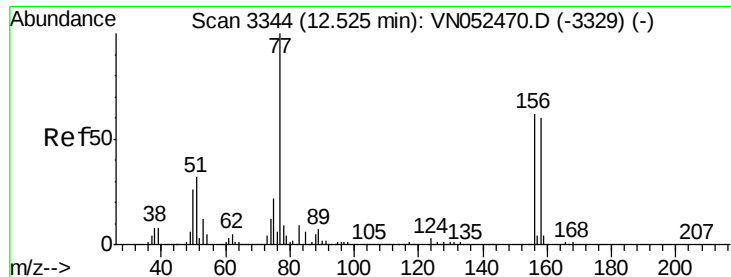


Abundance Ion 74.90 (74.60 to 75.60): VN052602.D (-3260) (-)
Ion 77.00 (76.70 to 77.70): VN052602.D (-3260) (-)



Time-->





#77

Bromobenzene

Concen: 20.144 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

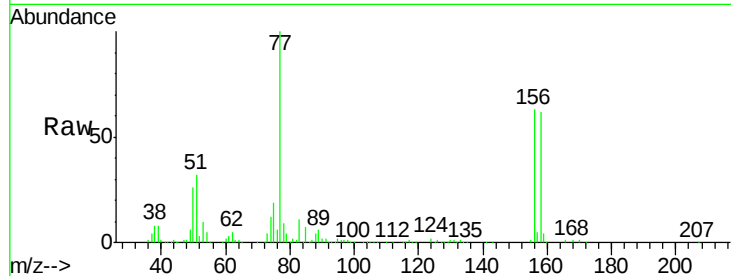
ClientSampled :

VN1130WBSD02

Tgt Ion:	156	Resp:	232469
Ion Ratio	Lower	Upper	
156	100		
77	183.9	93.5	280.4
158	97.1	48.3	144.9

Manual Integrations
APPROVED

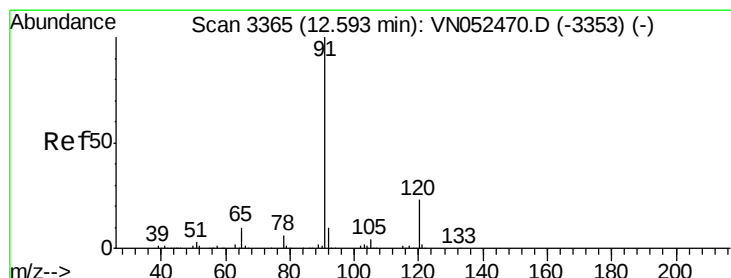
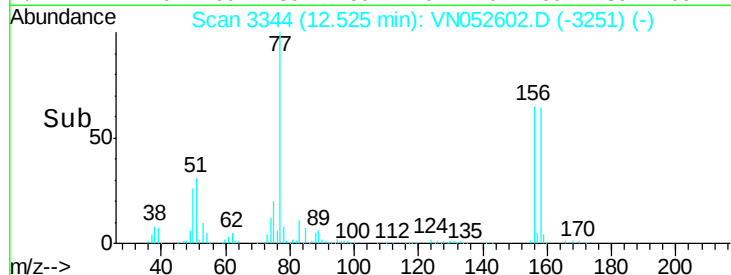
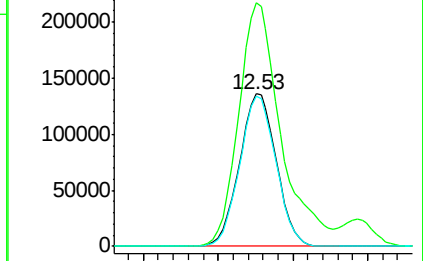
MMDadoda
12/3/2018 10:49:38 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.998 ug/l

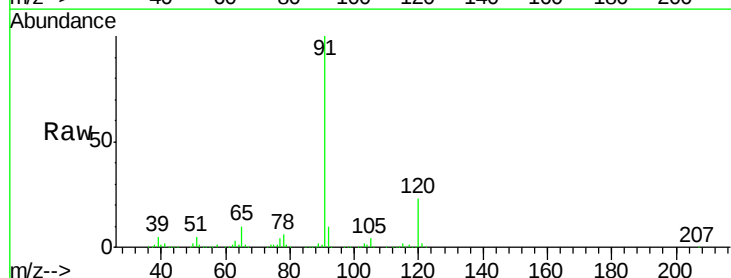
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052602.D

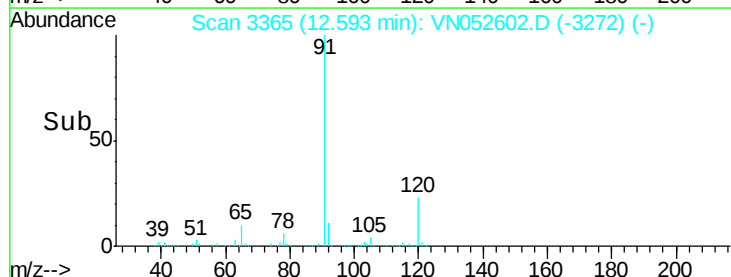
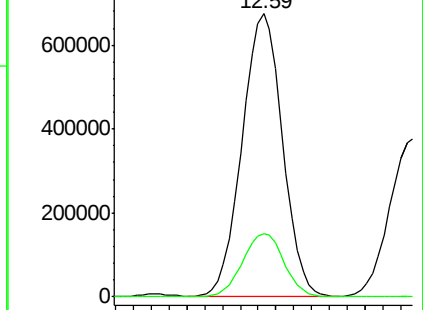
Acq: 30 Nov 2018 13:08

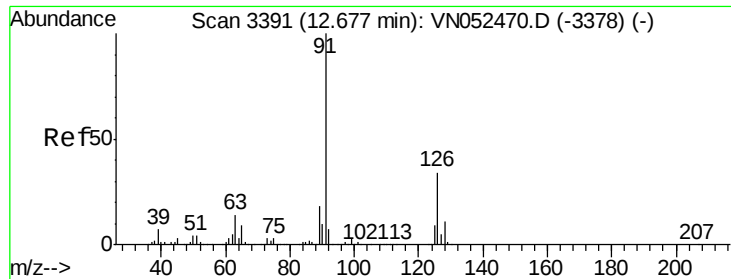
Tgt Ion:	91	Resp:	1060726
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.970 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

Tgt Ion: 91 Resp: 630788

Ion Ratio Lower Upper

91 100

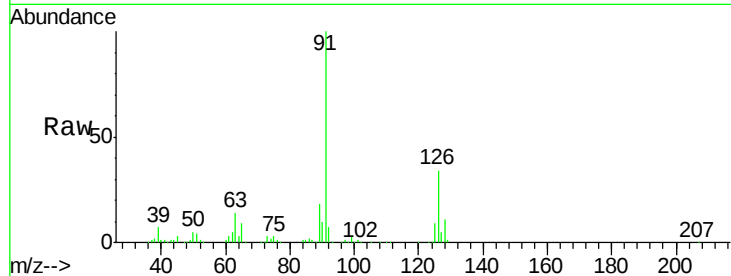
126 34.7 17.2 51.6

Manual Integrations

APPROVED

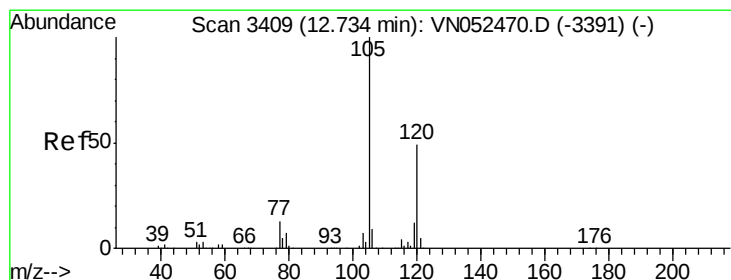
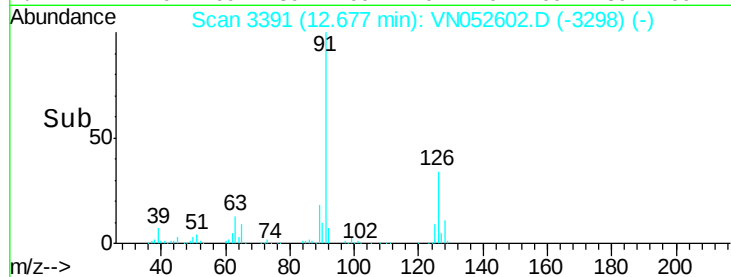
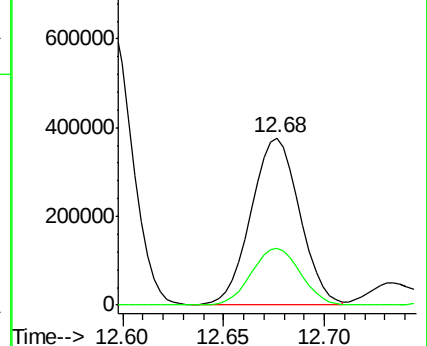
MMDadoda

12/3/2018 10:49:38 AM



Abundance Ion 91.00 (90.70 to 91.70): VN052602.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN052602.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.548 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052602.D

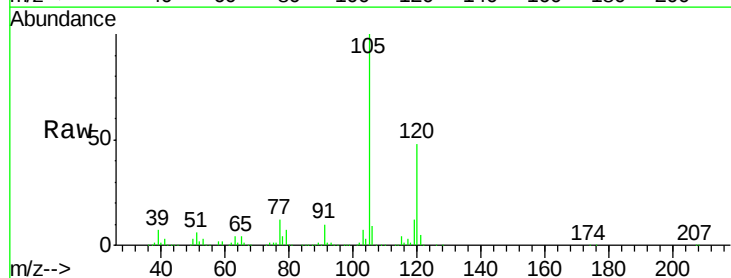
Acq: 30 Nov 2018 13:08

Tgt Ion: 105 Resp: 765120

Ion Ratio Lower Upper

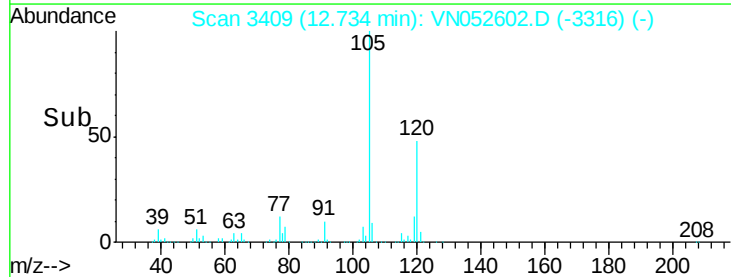
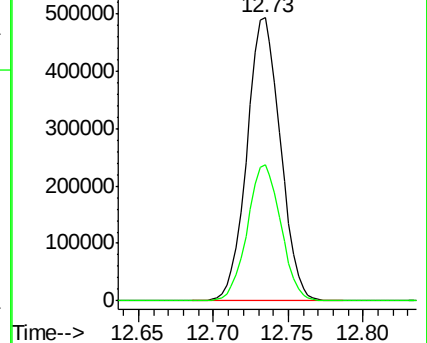
105 100

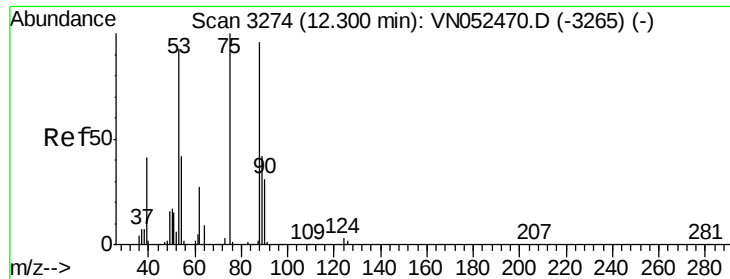
120 48.3 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052602.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN052602.D (-3316) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.848 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

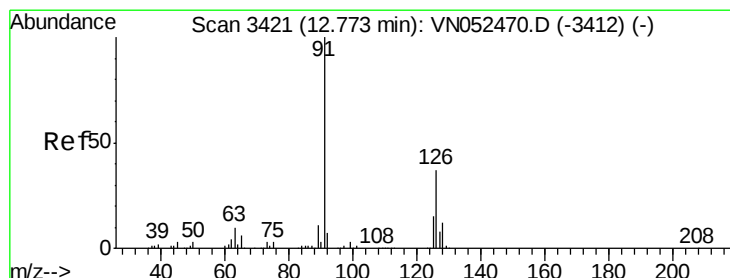
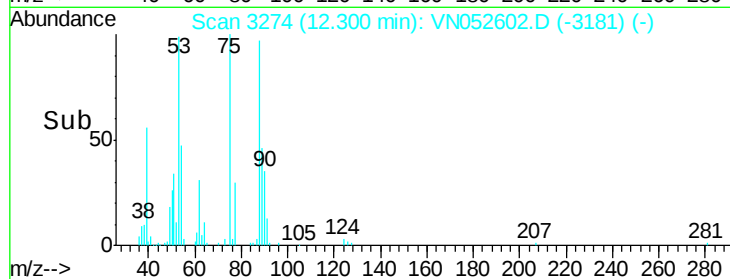
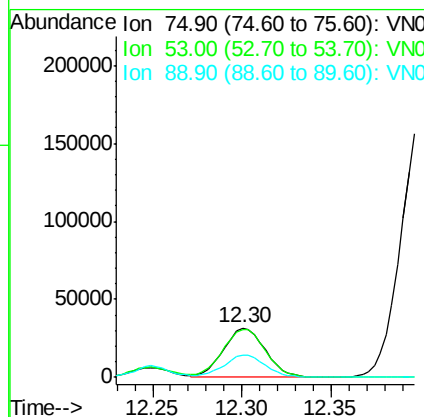
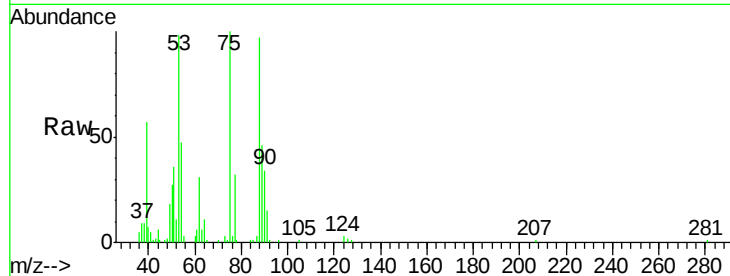
ClientSampleId :

VN1130WBSD02

Tgt Ion:	75	Resp:	51792
Ion	Ratio	Lower	Upper
75	100		
53	99.9	77.4	116.0
89	44.0	35.4	53.2

Manual Integrations
APPROVED

MMDadoda
12/3/2018 10:49:38 AM



#82

4-Chlorotoluene

Concen: 19.910 ug/l

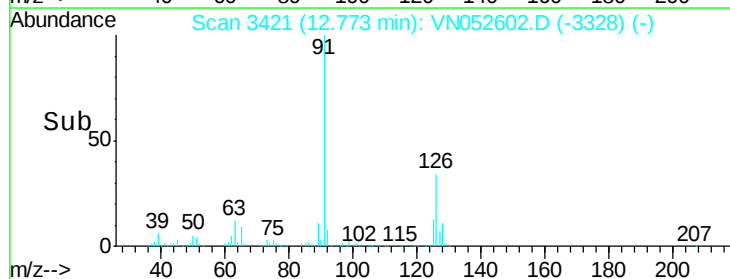
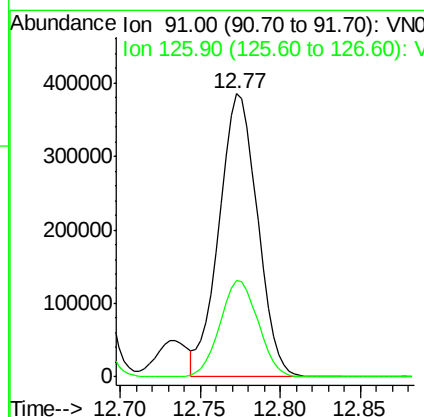
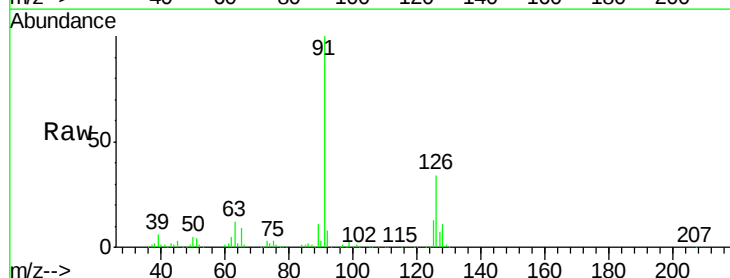
RT: 12.77 min Scan# 3421

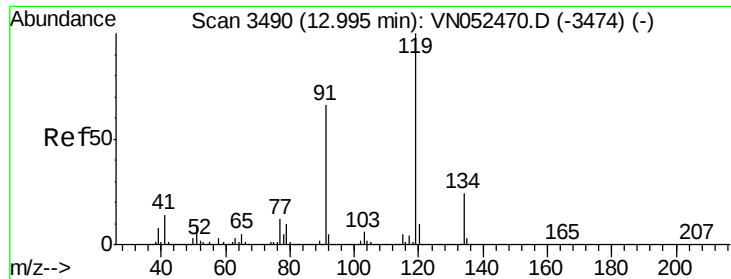
Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Tgt Ion:	91	Resp:	633791
Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.9	50.6





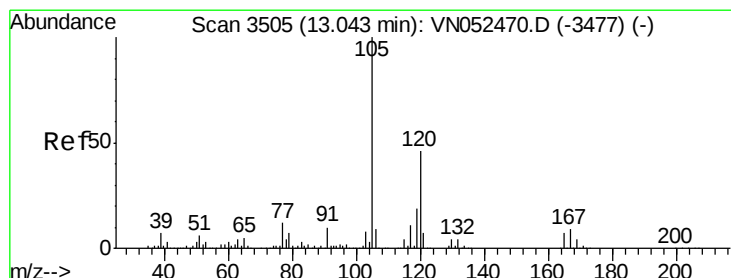
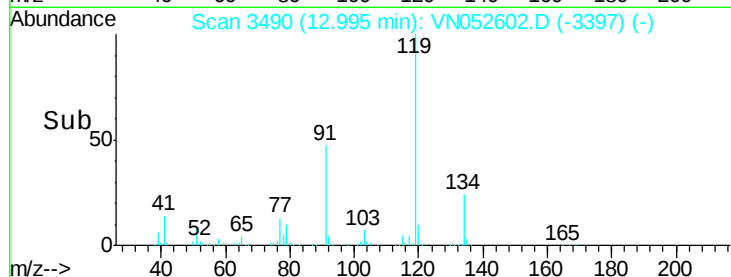
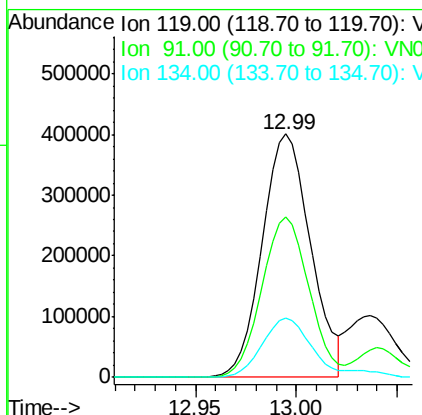
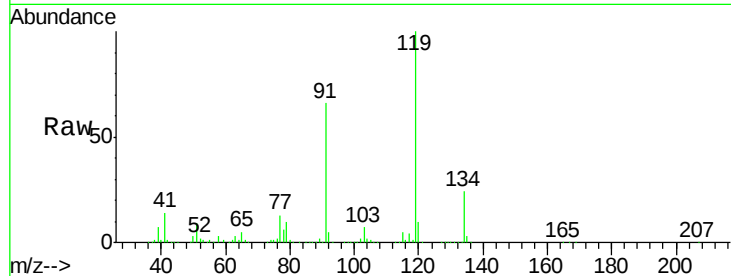
#83
 tert-Butylbenzene
 Concen: 20.173 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Instrument :
 MSVOA_N
 ClientSampled :
 VN1130WBSD02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	64.6	32.3	96.9
134	26.2	13.0	38.9

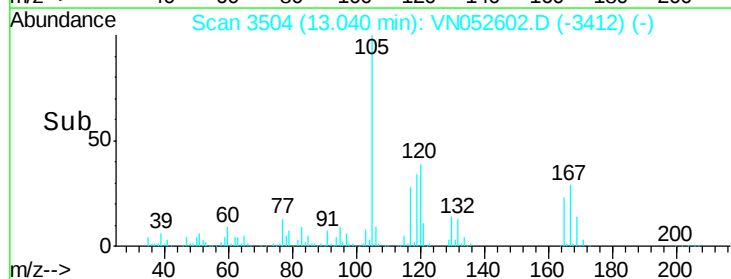
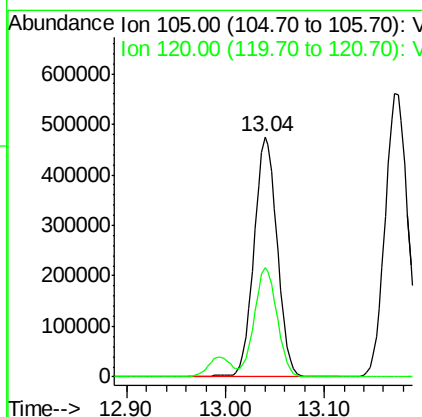
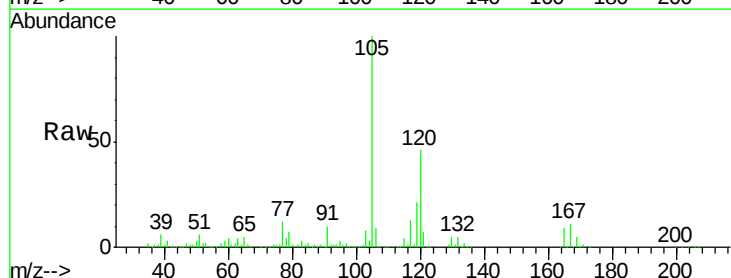
Manual Integrations
 APPROVED

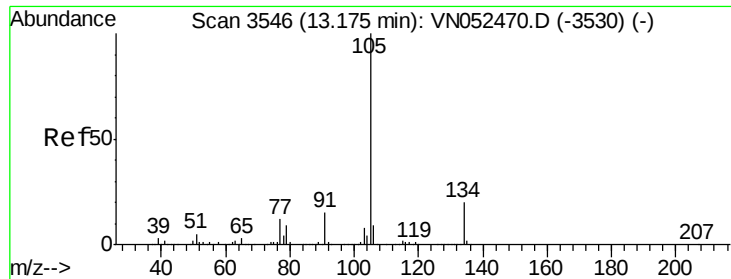
MMDadoda
 12/3/2018 10:49:38 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.465 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.8	68.4





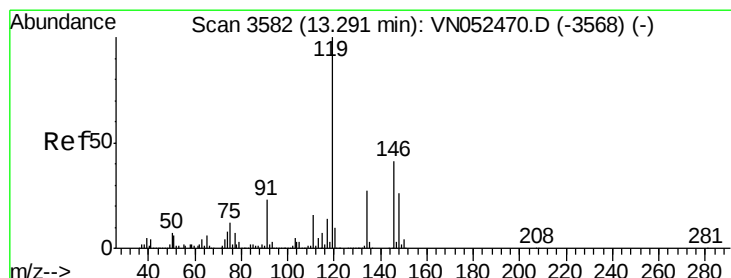
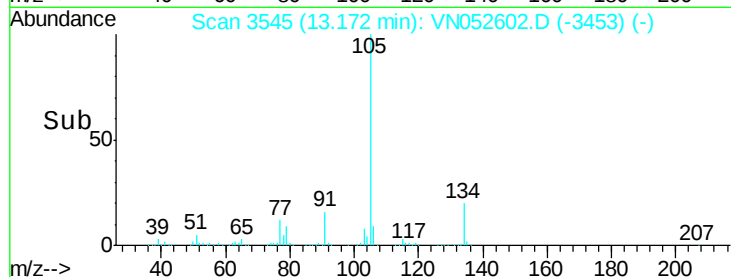
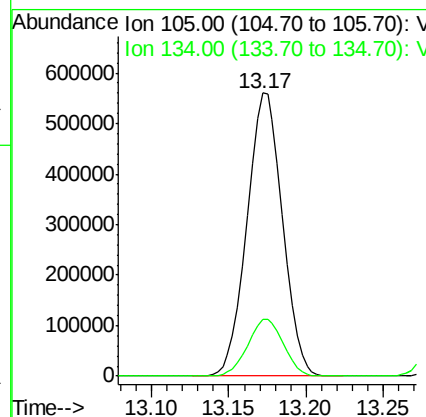
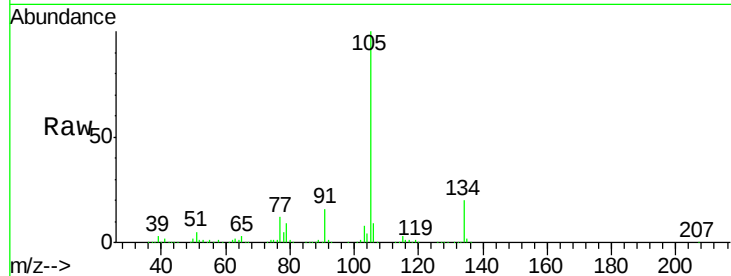
#85
 sec-Butylbenzene
 Concen: 19.784 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBSD02

Tgt Ion:105 Resp: 894540
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.9 29.7

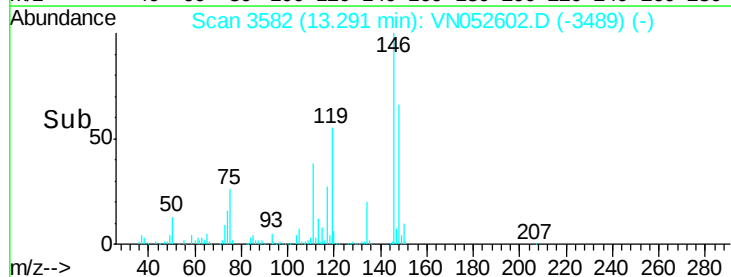
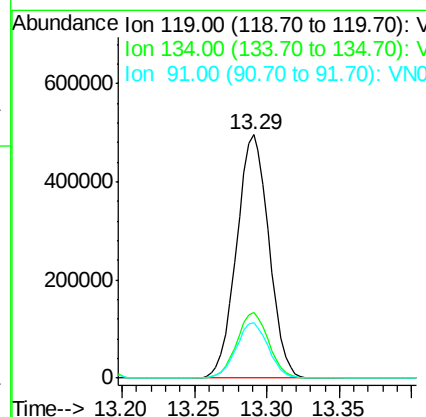
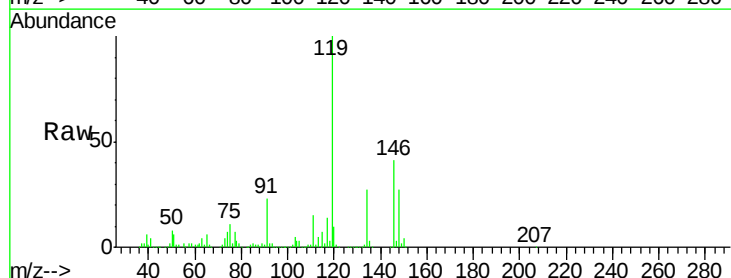
Manual Integrations
 APPROVED

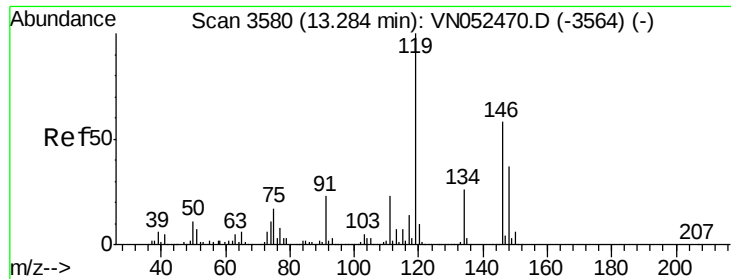
MMDadoda
 12/3/2018 10:49:38 AM



#86
 p-Isopropyltoluene
 Concen: 19.863 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Tgt Ion:119 Resp: 764924
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.2
 91 22.6 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 19.634 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

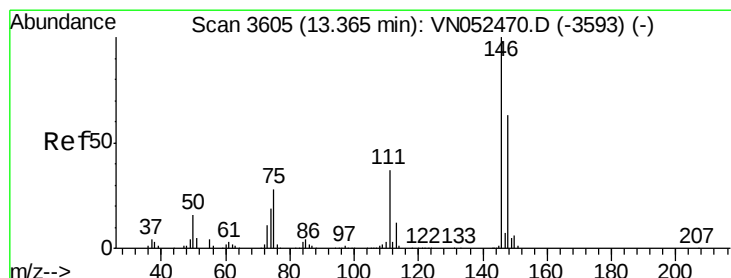
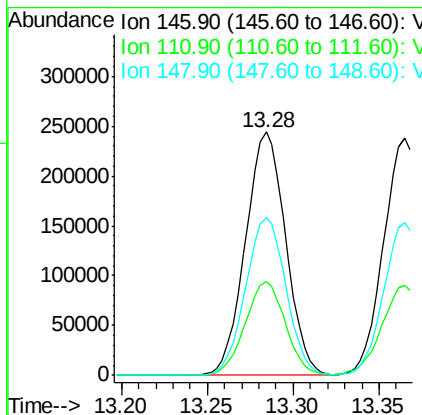
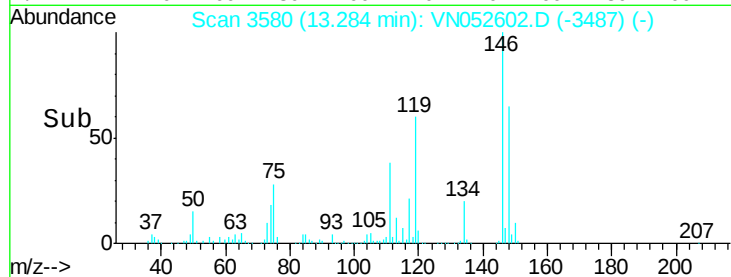
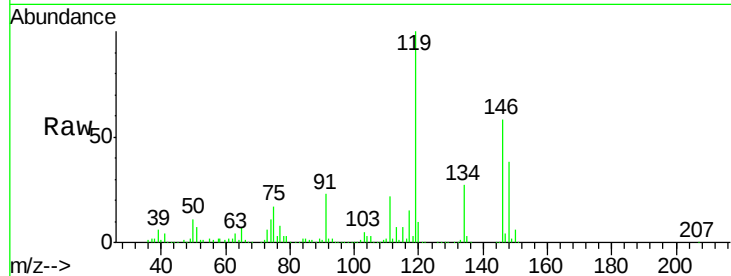
ClientSampleId :

VN1130WBSD02

Tgt Ion:	146	Resp:	396346
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.4	58.4
148	65.1	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
12/3/2018 10:49:38 AM



#88

1,4-Dichlorobenzene

Concen: 19.536 ug/l

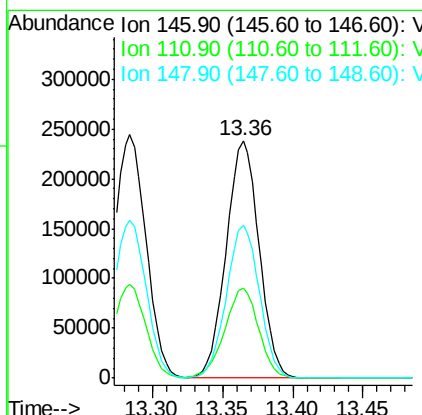
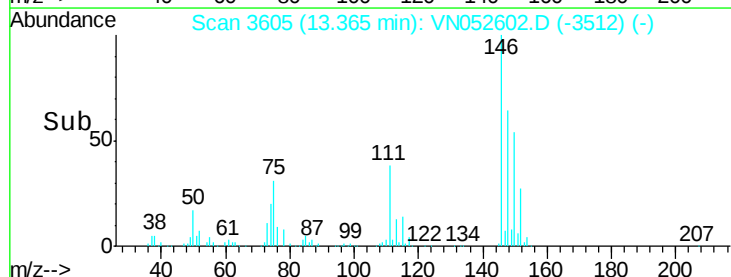
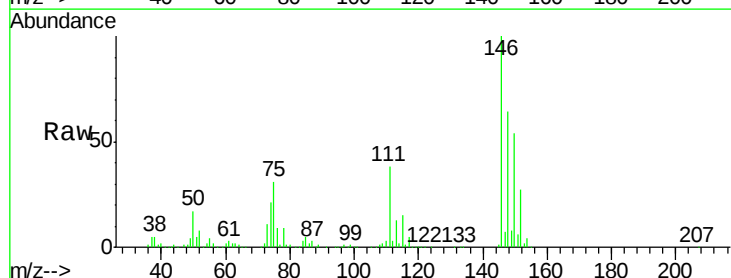
RT: 13.36 min Scan# 3605

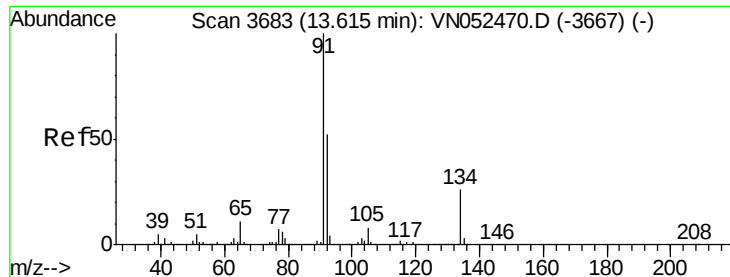
Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Tgt Ion:	146	Resp:	388452
Ion Ratio	Lower	Upper	
146	100		
111	39.2	18.6	56.0
148	64.7	31.9	95.9





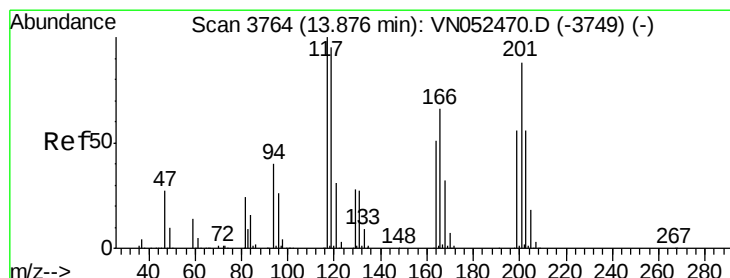
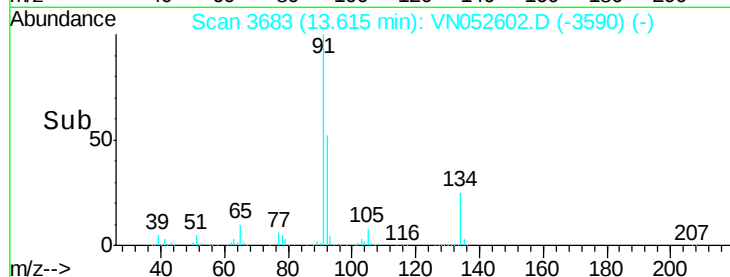
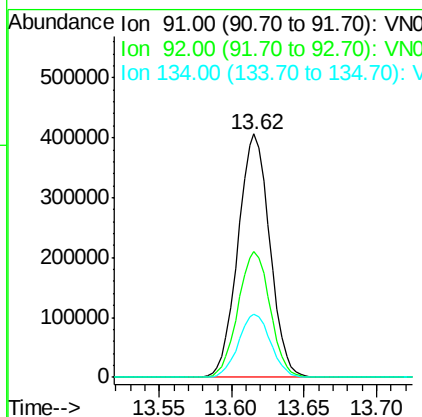
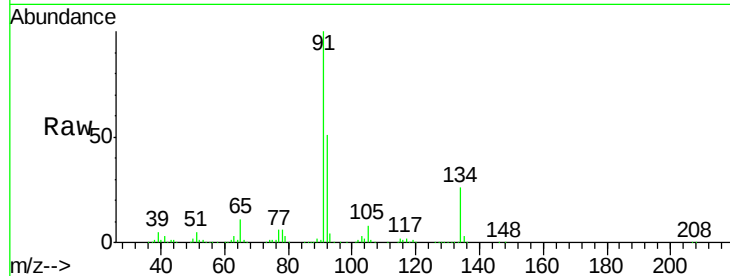
#89
n-Butylbenzene
Concen: 19.348 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.1	78.3
134	26.2	13.0	38.9

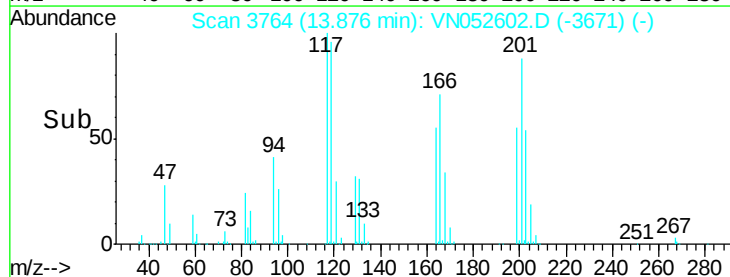
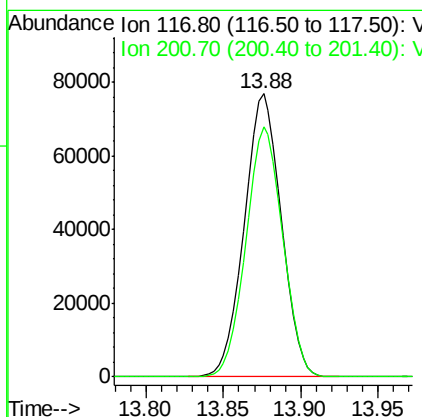
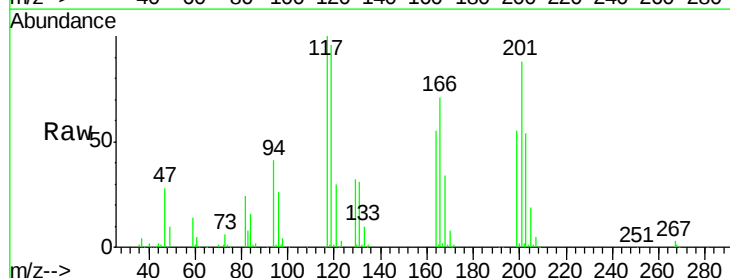
Manual Integrations
APPROVED

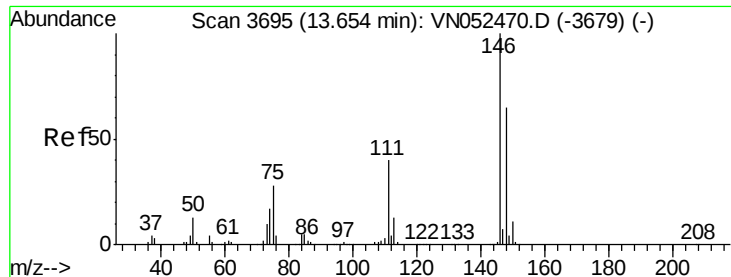
MMDadoda
12/3/2018 10:49:38 AM



#90
Hexachloroethane
Concen: 19.649 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.6	43.6	130.9





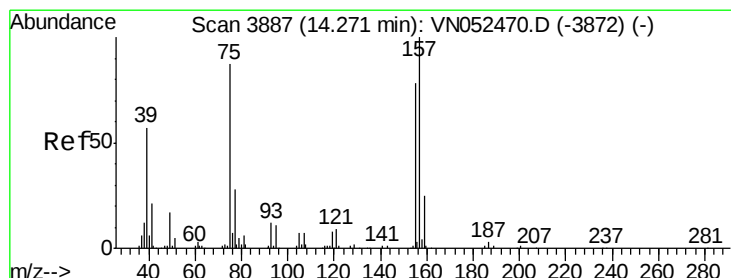
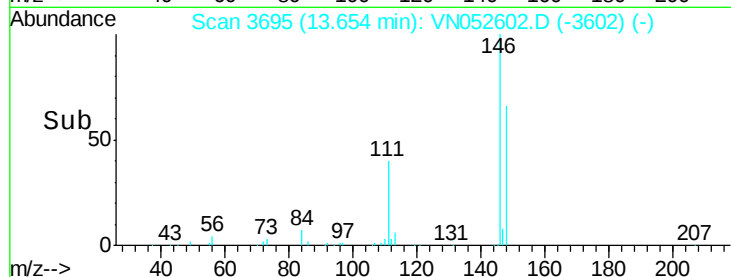
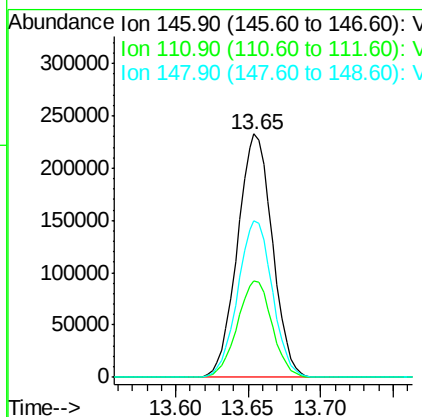
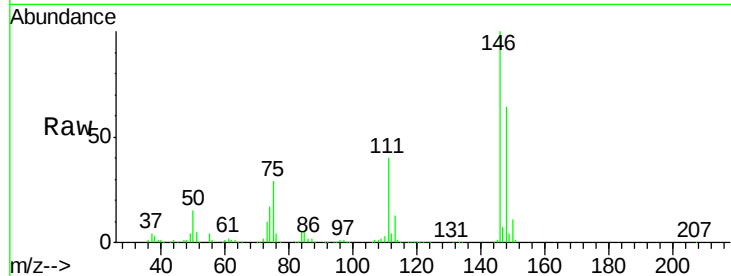
#91
 1,2-Dichlorobenzene
 Concen: 20.177 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBSD02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	60.0
148	64.0	32.0	96.2

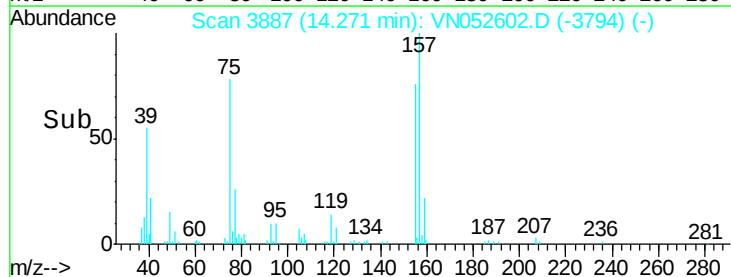
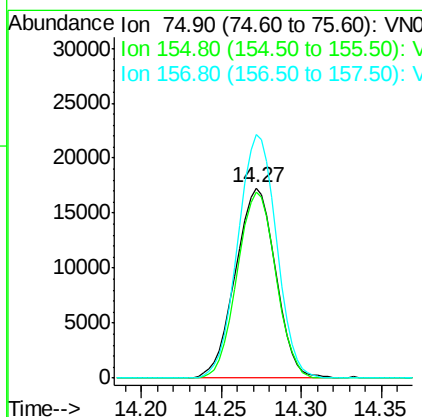
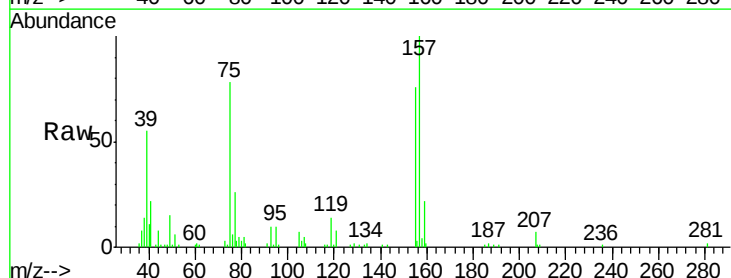
Manual Integrations
 APPROVED

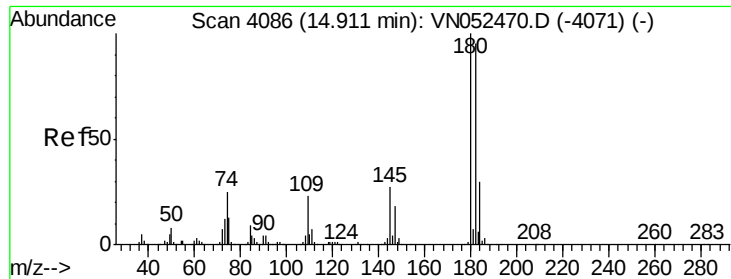
MMDadoda
 12/3/2018 10:49:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.507 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	45.3	135.9
157	123.4	58.1	174.2





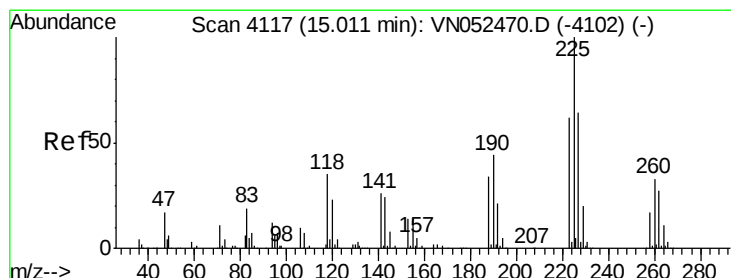
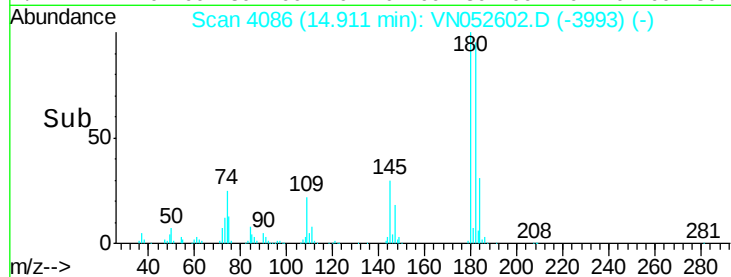
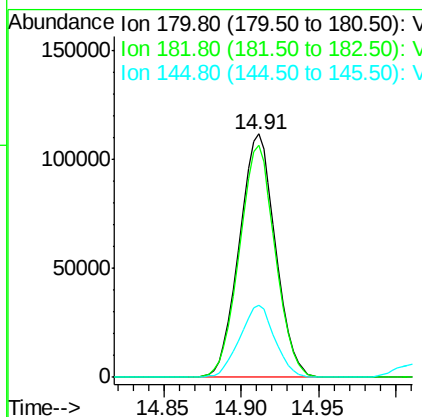
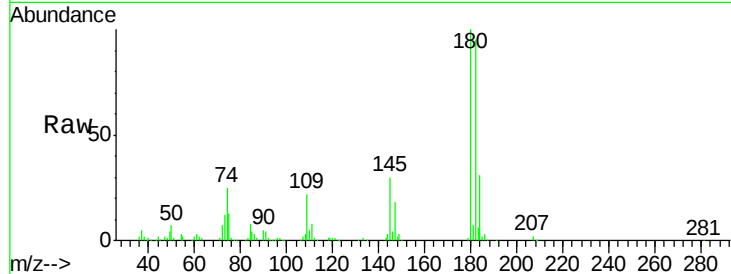
#93
 1,2,4-Trichlorobenzene
 Concen: 18.984 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBSD02

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.6	47.8	143.4
145	28.8	14.1	42.3

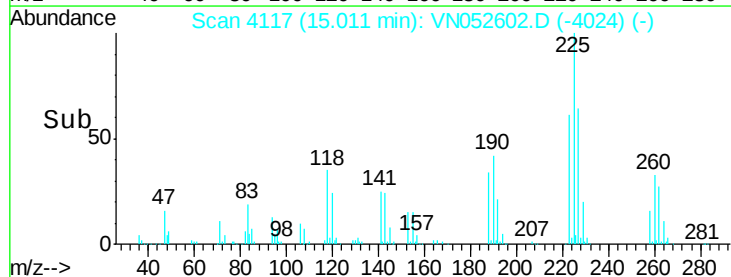
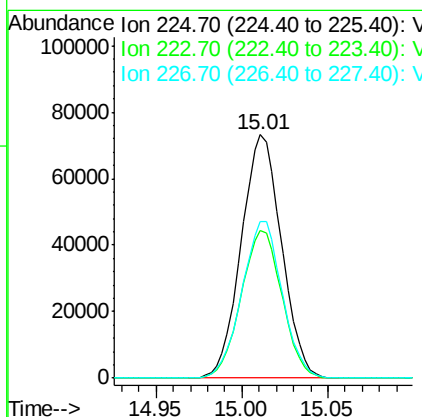
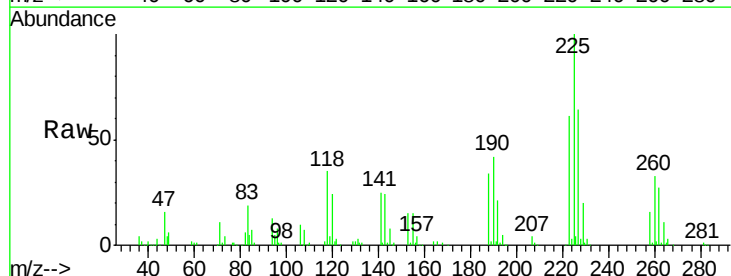
Manual Integrations
 APPROVED

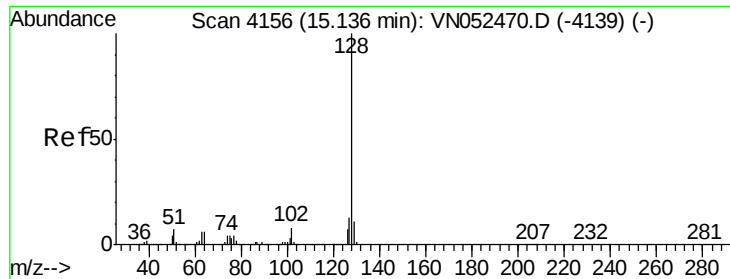
MMDadoda
 12/3/2018 10:49:38 AM



#94
 Hexachlorobutadiene
 Concen: 19.178 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	61.2	31.4	94.2
227	64.5	32.5	97.4





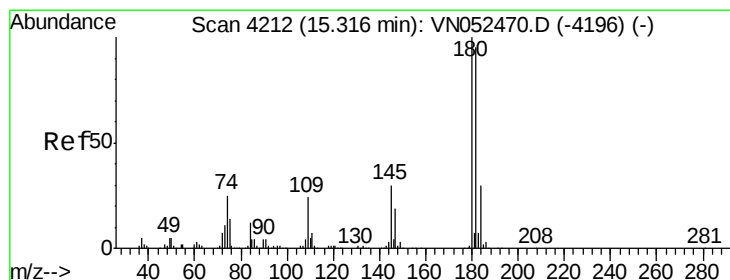
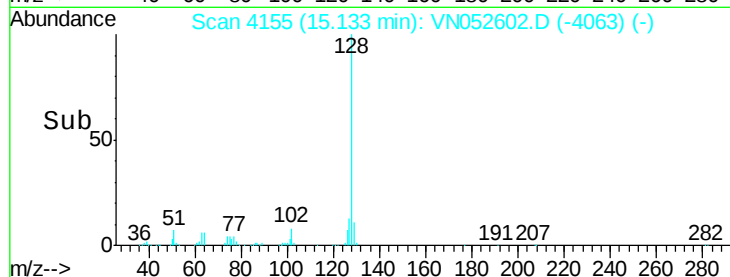
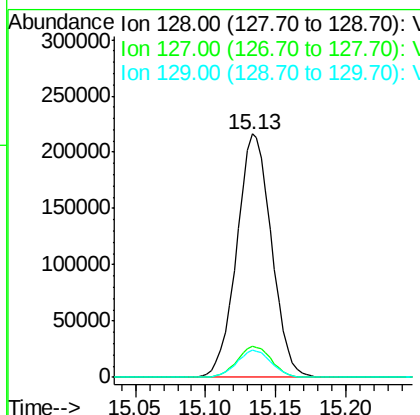
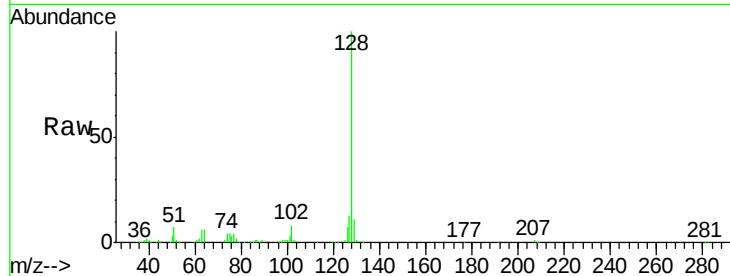
#95
Naphthalene
Concen: 18.937 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	373051		
127	12.5	10.2	15.2	
129	11.0	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
12/3/2018 10:49:38 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.820 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	175613		
182	91.9	47.8	143.3	
145	30.1	15.2	45.5	

