

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110118\
 Data File : VN052106.D
 Acq On : 1 Nov 2018 16:42
 Operator : MD\SY
 Sample : VN1101WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:21:36 AM

Quant Time: Nov 02 07:27:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	315973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	561424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	507375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	213947	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	213548	42.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.24%	
35) Dibromofluoromethane	7.60	113	174102	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
50) Toluene-d8	10.09	98	676909	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.40	95	229968	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	77835	20.266	ug/l	97
3) Chloromethane	2.06	50	89903	18.573	ug/l	98
4) Vinyl Chloride	2.19	62	89069	17.096	ug/l	97
5) Bromomethane	2.57	94	65166	16.674	ug/l	95
6) Chloroethane	2.71	64	57436	17.075	ug/l	91
7) Trichlorofluoromethane	3.02	101	120159	20.195	ug/l	99
8) Diethyl Ether	3.42	74	42831	19.298	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.76	101	72047	20.526	ug/l	98
10) Methyl Iodide	3.95	142	87868	19.102	ug/l	99
11) Tert butyl alcohol	4.78	59	26478	104.282	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	62756	18.932	ug/l	95
13) Acrolein	3.61	56	18526	89.605	ug/l	93
14) Allyl chloride	4.33	41	112960	17.028	ug/l	96
15) Acrylonitrile	4.99	53	132071	90.986	ug/l	99
16) Acetone	3.82	43	96716	89.361	ug/l	95
17) Carbon Disulfide	4.06	76	174980	16.752	ug/l	97
18) Methyl Acetate	4.33	43	63202	18.344	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	190410	17.488	ug/l	98
20) Methylene Chloride	4.56	84	77910	18.892	ug/l	93
21) trans-1,2-Dichloroethene	5.05	96	70265	18.590	ug/l	92
22) Diisopropyl ether	5.96	45	243227	16.963	ug/l	99
23) Vinyl Acetate	5.90	43	865999	87.169	ug/l	98
24) 1,1-Dichloroethane	5.86	63	138971	17.333	ug/l	98
25) 2-Butanone	6.84	43	159512	93.966	ug/l	95
26) 2,2-Dichloropropane	6.83	77	104858	16.468	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	84064	18.624	ug/l	93
28) Bromochloromethane	7.20	49	66023	16.617	ug/l	91
29) Tetrahydrofuran	7.22	42	105222	93.039	ug/l	96
30) Chloroform	7.37	83	146124	18.259	ug/l	98
31) Cyclohexane	7.66	56	130743	15.560	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	119981	18.641	ug/l	97
36) 1,1-Dichloropropene	7.80	75	101622	17.802	ug/l	94
37) Ethyl Acetate	6.93	43	74075	19.387	ug/l #	92
38) Carbon Tetrachloride	7.78	117	102008	20.724	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110118\
 Data File : VN052106.D
 Acq On : 1 Nov 2018 16:42
 Operator : MD\SY
 Sample : VN1101WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1101WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:21:36 AM

Quant Time: Nov 02 07:27:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	126061	18.608	ug/l	94
40) Benzene	8.04	78	319298	19.337	ug/l	95
41) Methacrylonitrile	7.18	41	39051	19.891	ug/l #	94
42) 1,2-Dichloroethane	8.13	62	109443	17.961	ug/l	98
43) Isopropyl Acetate	8.17	43	132179	19.450	ug/l #	89
44) Trichloroethene	8.84	130	78038	21.133	ug/l	95
45) 1,2-Dichloropropane	9.12	63	83027	17.651	ug/l	92
46) Dibromomethane	9.21	93	51594	19.626	ug/l	92
47) Bromodichloromethane	9.40	83	103756	18.923	ug/l	95
48) Methyl methacrylate	9.20	41	62087	18.020	ug/l	97
49) 1,4-Dioxane	9.20	88	13721	488.081	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	373459	101.104	ug/l	100
52) Toluene	10.16	92	193518	19.415	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	101500	17.510	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	118851	18.462	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	71075	20.021	ug/l	97
56) Ethyl methacrylate	10.43	69	96659	19.034	ug/l	97
57) 1,3-Dichloropropane	10.71	76	121916	18.664	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	257469	95.316	ug/l	95
59) 2-Hexanone	10.75	43	251855	95.680	ug/l	99
60) Dibromochloromethane	10.90	129	71403	20.430	ug/l	100
61) 1,2-Dibromoethane	11.01	107	70719	20.038	ug/l	100
64) Tetrachloroethene	10.63	164	61792	20.103	ug/l	96
65) Chlorobenzene	11.43	112	215317	20.149	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	73950	22.038	ug/l	96
67) Ethyl Benzene	11.51	91	373869	19.618	ug/l	98
68) m/p-Xylenes	11.62	106	281096	41.209	ug/l	96
69) o-Xylene	11.95	106	138409	20.506	ug/l	95
70) Styrene	11.96	104	223630	20.477	ug/l	98
71) Bromoform	12.13	173	41116	20.415	ug/l #	100
73) Isopropylbenzene	12.25	105	354770	19.391	ug/l	99
74) N-amyl acetate	12.07	43	120468	18.867	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	86215	19.652	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	72148m	18.422	ug/l	
77) Bromobenzene	12.53	156	77884	20.346	ug/l	88
78) n-propylbenzene	12.59	91	412576	18.611	ug/l	98
79) 2-Chlorotoluene	12.67	91	243225	18.820	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	287284	19.296	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	21061	17.849	ug/l	90
82) 4-Chlorotoluene	12.77	91	244326	18.540	ug/l	94
83) tert-Butylbenzene	12.99	119	247255	19.770	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	293234	19.787	ug/l	100
85) sec-Butylbenzene	13.17	105	337102	18.869	ug/l	98
86) p-Isopropyltoluene	13.29	119	284814	19.575	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	141960	20.335	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	138382	19.778	ug/l	99
89) n-Butylbenzene	13.62	91	234089	16.870	ug/l	96
90) Hexachloroethane	13.88	117	45868	18.395	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	139140	21.199	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12122	19.736	ug/l	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110118\
Data File : VN052106.D
Acq On : 1 Nov 2018 16:42
Operator : MD\SY
Sample : VN1101WBS02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

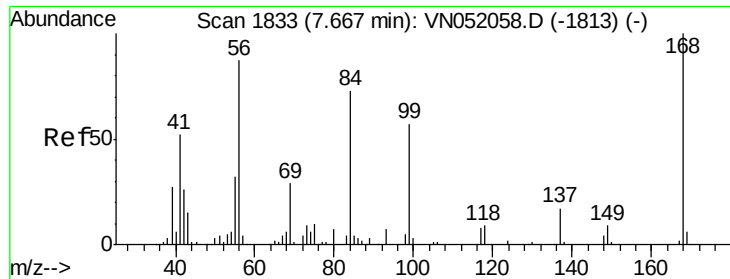
Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:21:36 AM

Quant Time: Nov 02 07:27:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 02:45:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	51169	20.936	ug/l	98
94) Hexachlorobutadiene	15.01	225	26763	19.565	ug/l	98
95) Naphthalene	15.13	128	129680	21.154	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	45064	21.367	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 168 Resp: 315973

Ion Ratio Lower Upper

168 100

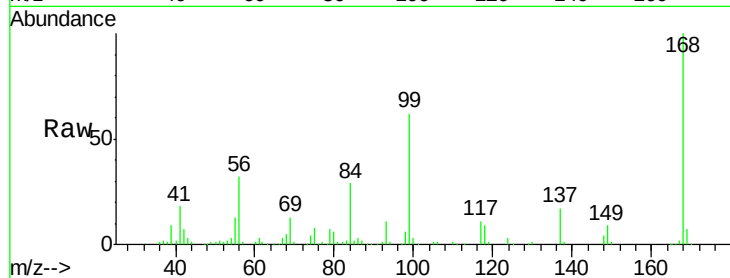
99 62.0 56.6 85.0

Manual Integrations

APPROVED

MMDadoda

11/2/2018 9:21:36 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

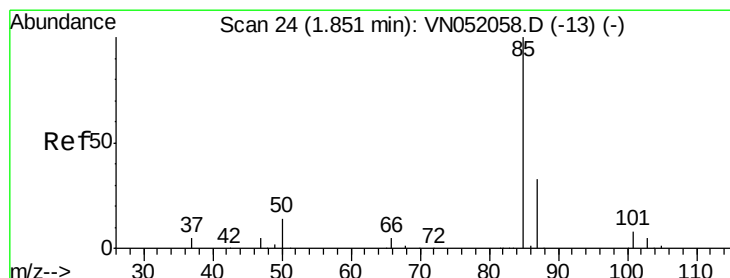
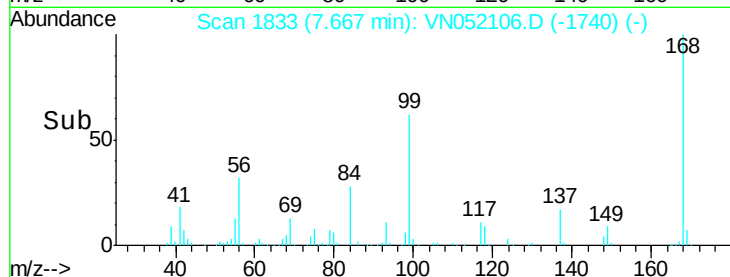
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.266 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052106.D

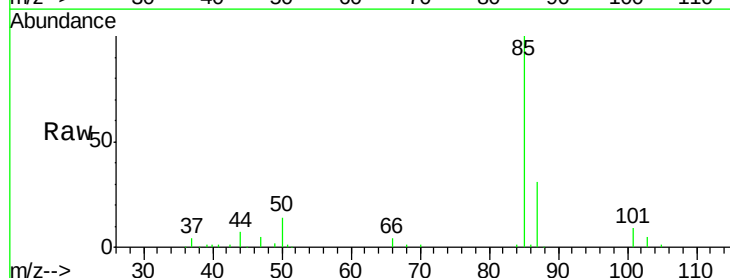
Acq: 1 Nov 2018 16:42

Tgt Ion: 85 Resp: 77835

Ion Ratio Lower Upper

85 100

87 31.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

50000

40000

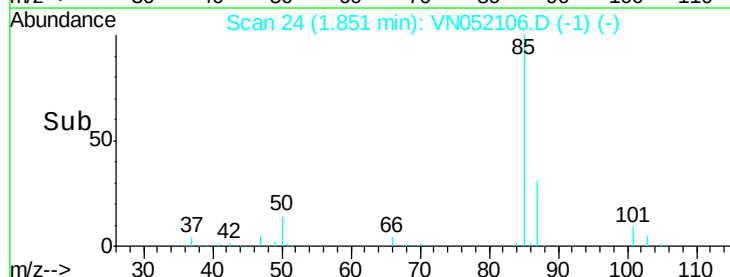
30000

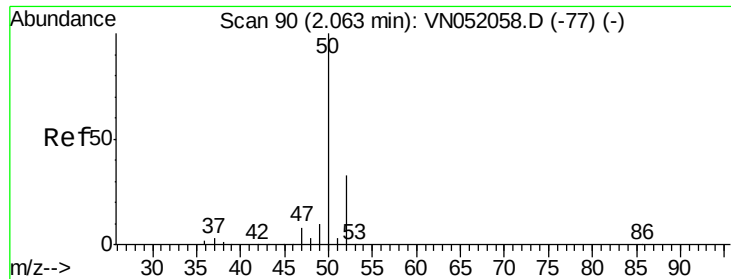
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.573 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 50 Resp: 89903

Ion Ratio Lower Upper

50 100

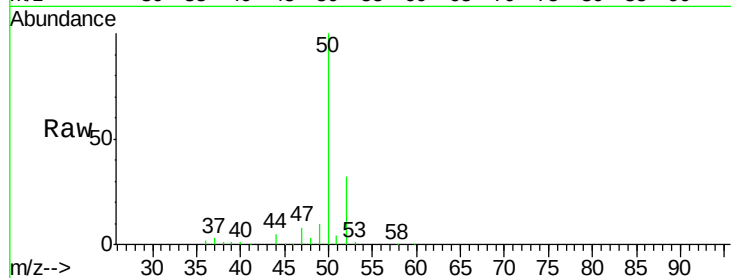
52 31.8 26.6 39.8

Manual Integrations

APPROVED

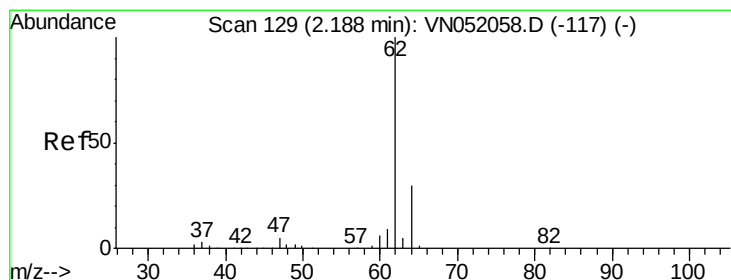
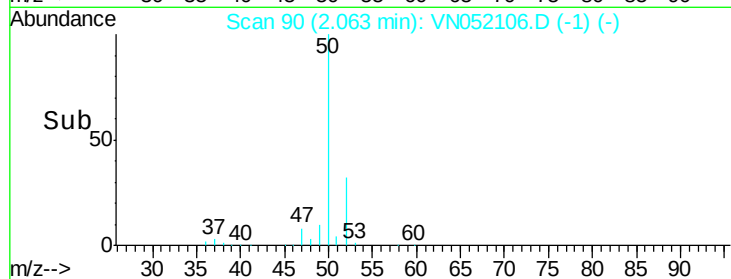
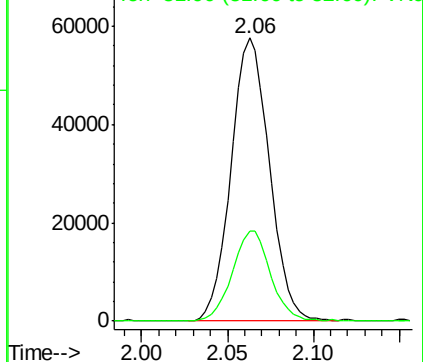
MMDadoda

11/2/2018 9:21:36 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.096 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052106.D

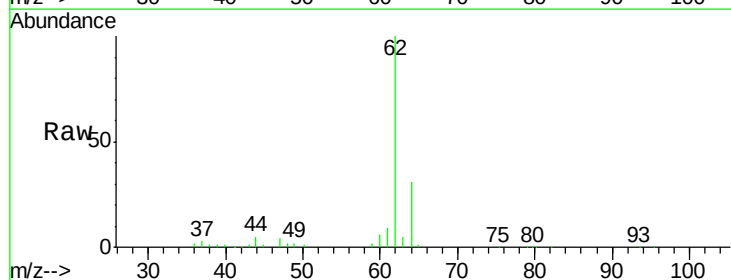
Acq: 1 Nov 2018 16:42

Tgt Ion: 62 Resp: 89069

Ion Ratio Lower Upper

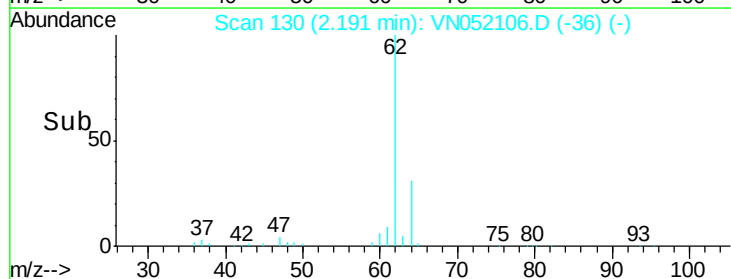
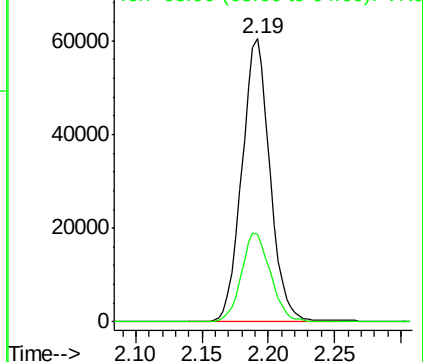
62 100

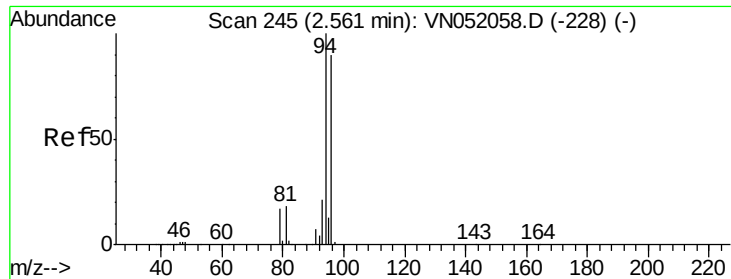
64 31.0 23.7 35.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 16.674 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 94 Resp: 65166

Ion Ratio Lower Upper

94 100

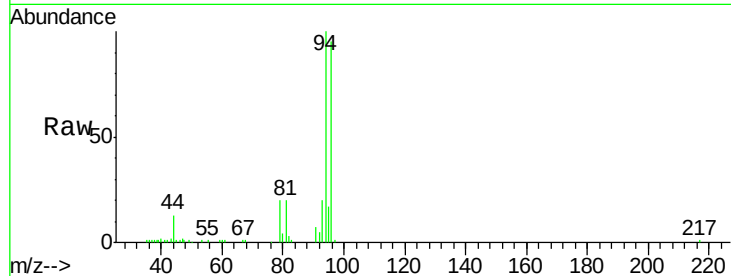
96 94.6 71.8 107.6

Manual Integrations

APPROVED

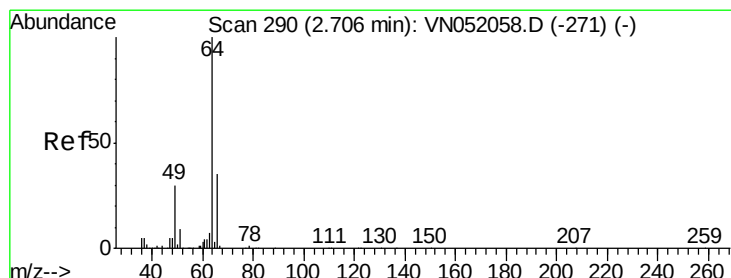
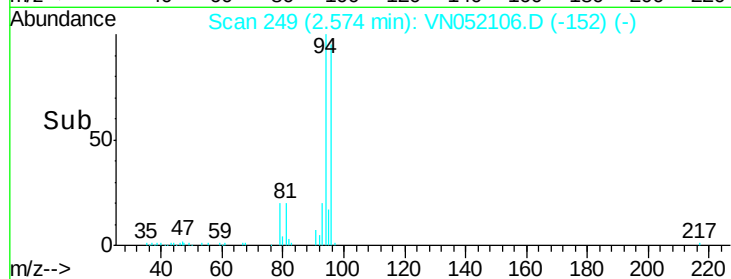
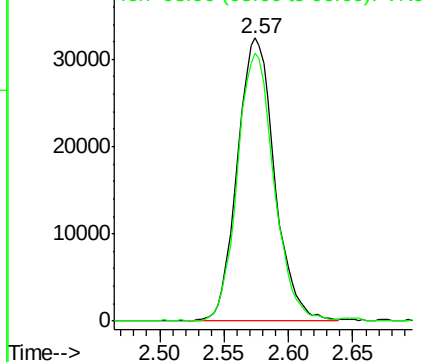
MMDadoda

11/2/2018 9:21:36 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.075 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052106.D

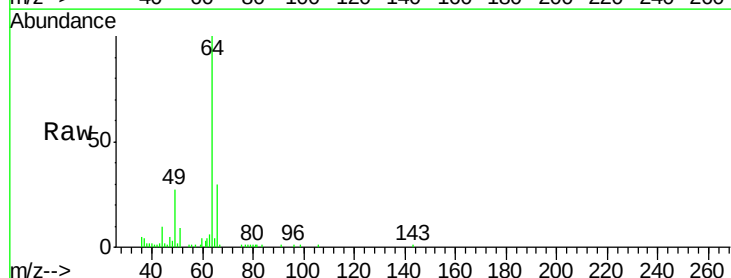
Acq: 1 Nov 2018 16:42

Tgt Ion: 64 Resp: 57436

Ion Ratio Lower Upper

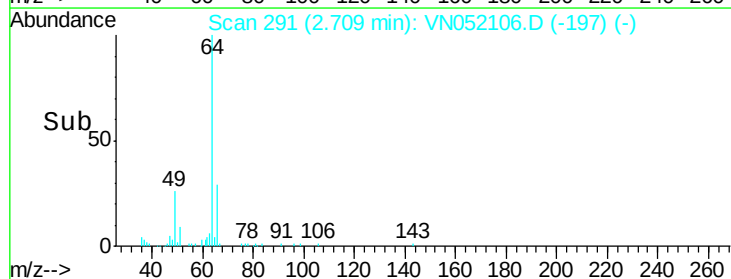
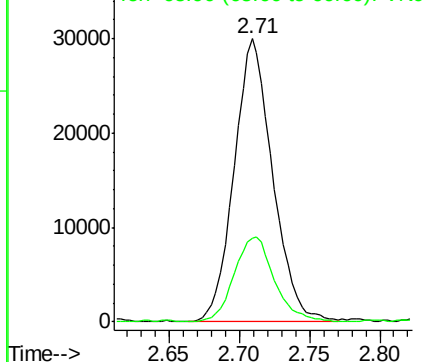
64 100

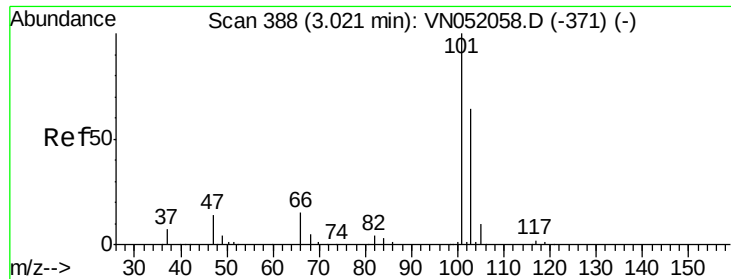
66 29.8 27.9 41.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

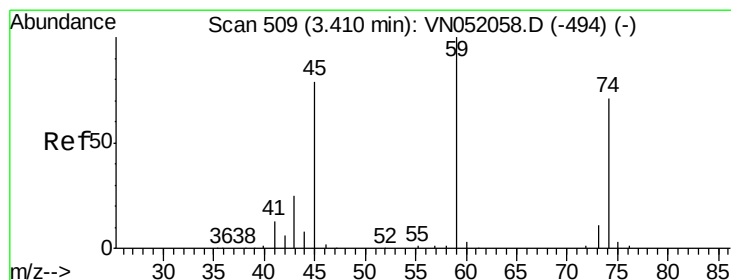
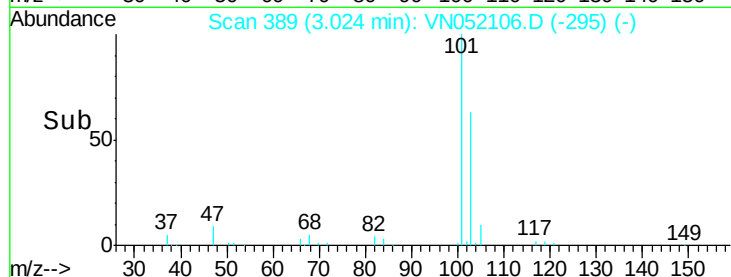
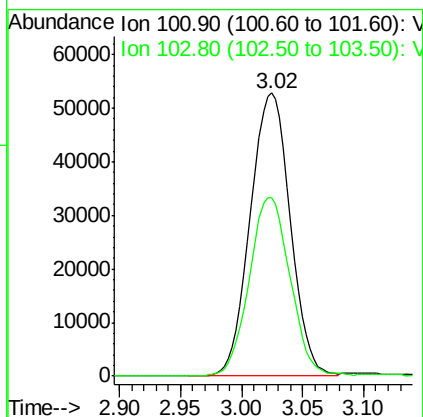
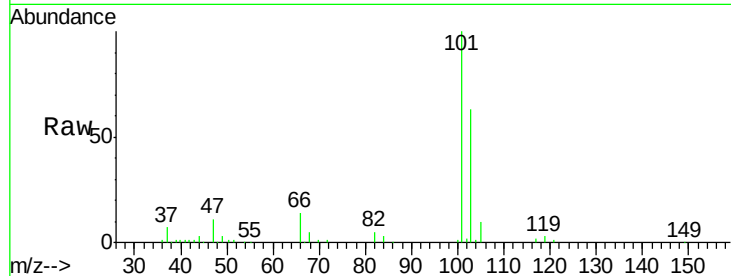
Trichlorofluoromethane
 Concen: 20.195 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS02

Tgt Ion: 101 Resp: 120159
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.0 76.4

Manual Integrations
 APPROVED

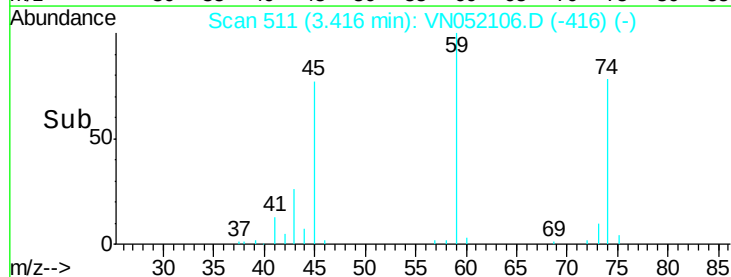
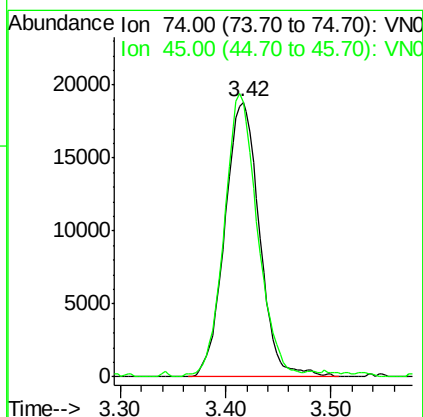
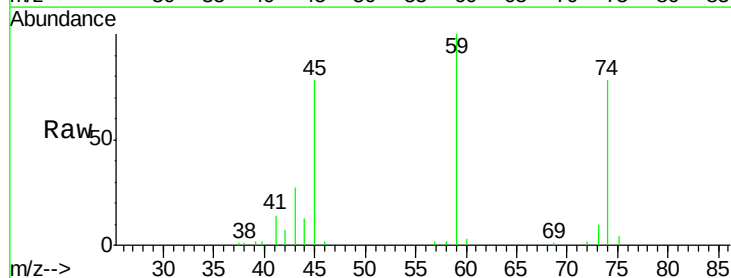
MMDadoda
 11/2/2018 9:21:36 AM

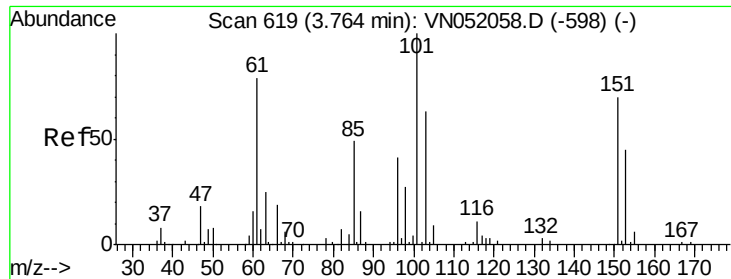


#8

Diethyl Ether
 Concen: 19.298 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Tgt Ion: 74 Resp: 42831
 Ion Ratio Lower Upper
 74 100
 45 99.4 55.6 166.8





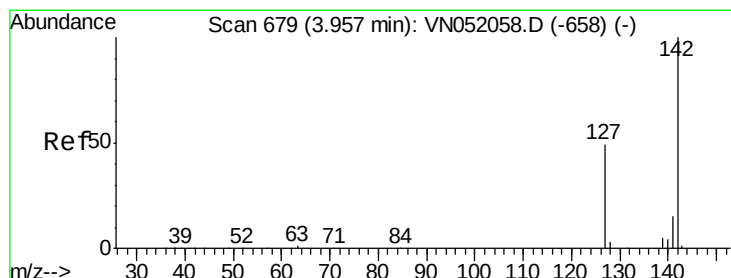
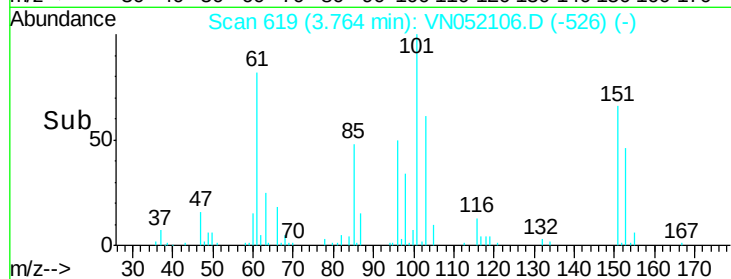
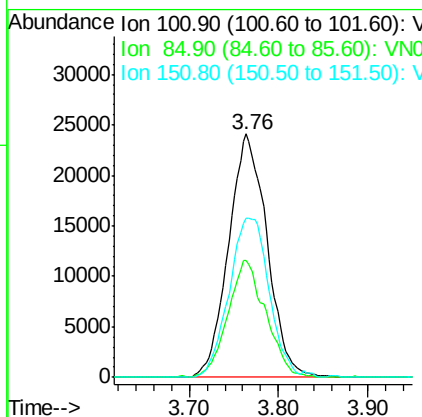
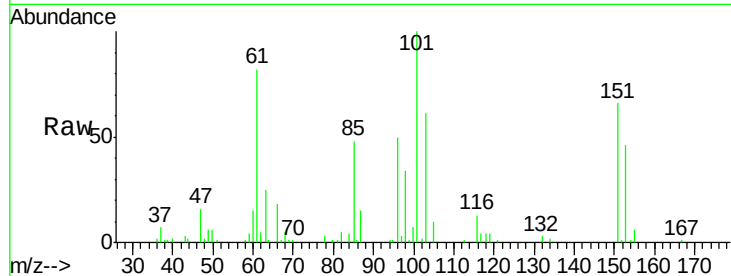
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.526 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS02

Tgt Ion	Ratio	Lower	Upper
101	100		
85	47.2	38.6	58.0
151	67.9	52.6	78.8

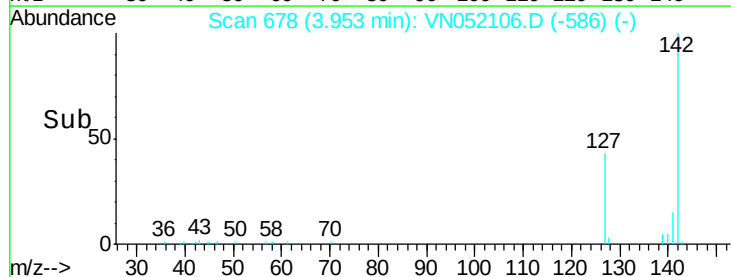
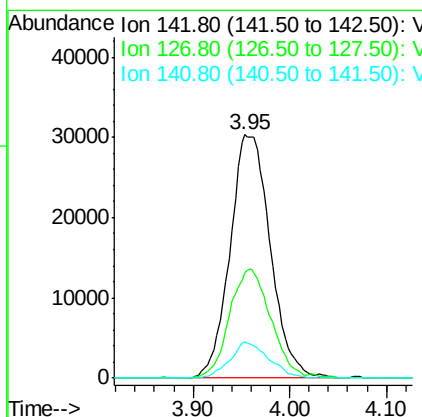
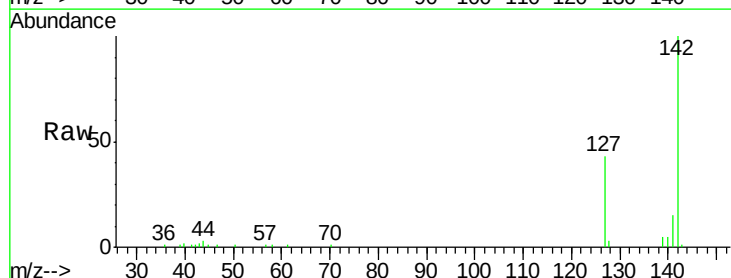
Manual Integrations
 APPROVED

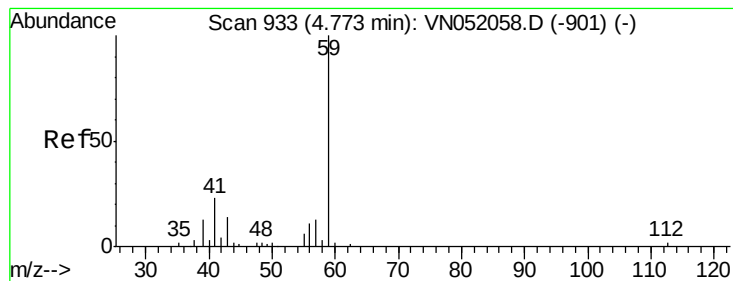
MMDadoda
 11/2/2018 9:21:36 AM



#10
 Methyl Iodide
 Concen: 19.102 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.4	37.3	55.9
141	14.3	11.4	17.2





#11

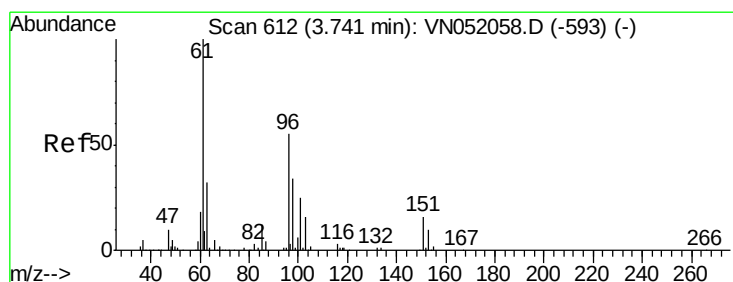
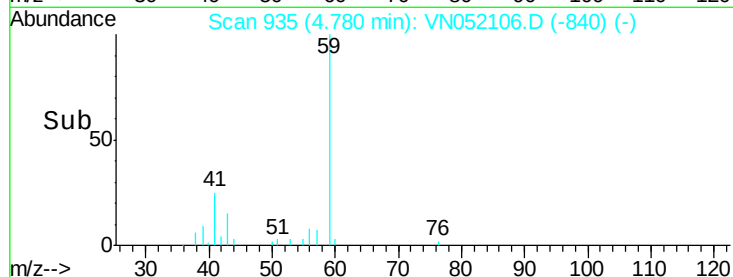
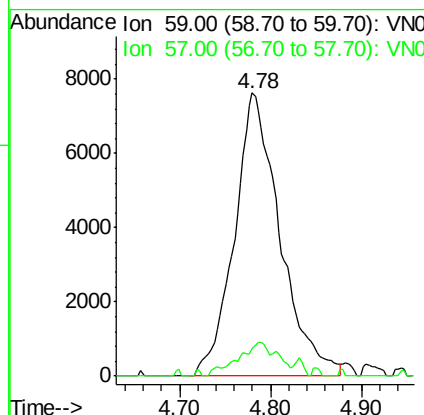
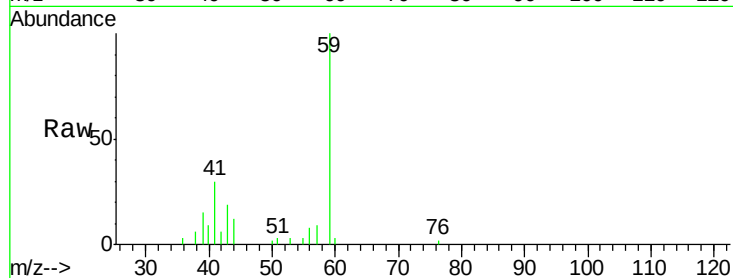
Tert butyl alcohol
 Concen: 104.282 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS02

Tgt Ion: 59 Resp: 26478
 Ion Ratio Lower Upper
 59 100
 57 4.8 7.0 10.6#

Manual Integrations
 APPROVED

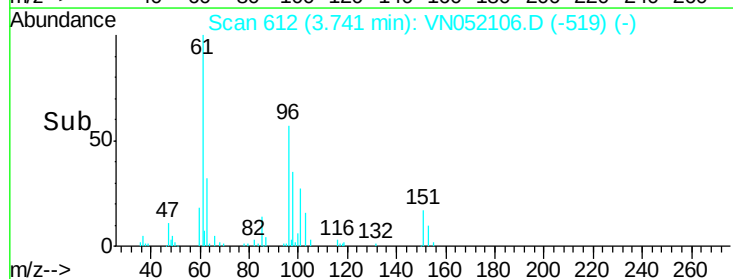
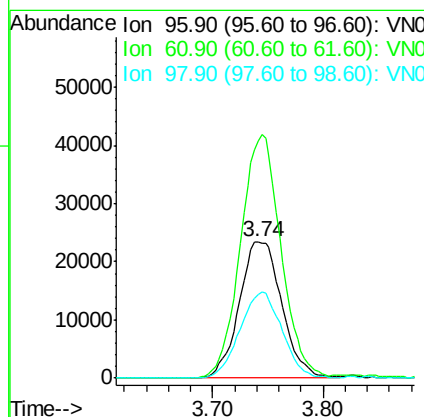
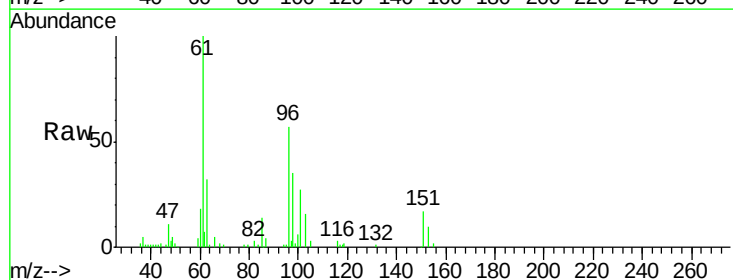
MMDadoda
 11/2/2018 9:21:36 AM

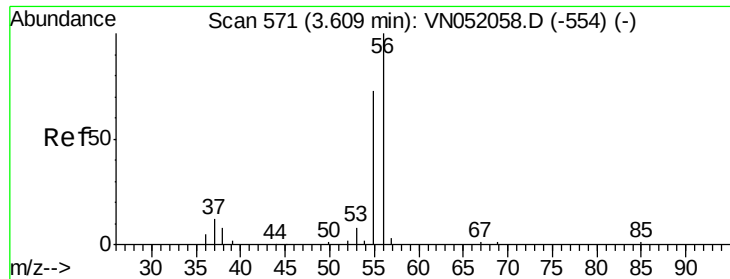


#12

1,1-Dichloroethene
 Concen: 18.932 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Tgt Ion: 96 Resp: 62756
 Ion Ratio Lower Upper
 96 100
 61 174.0 145.7 218.5
 98 61.3 49.8 74.8





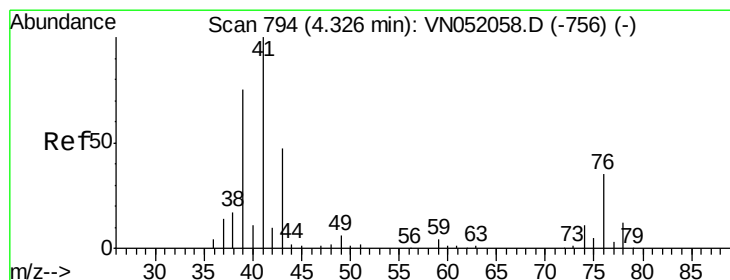
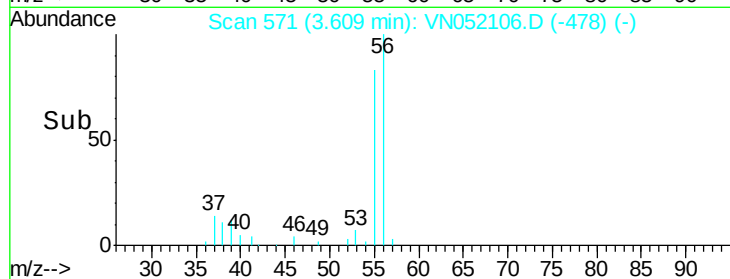
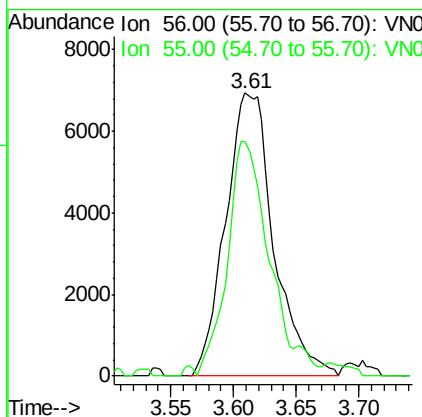
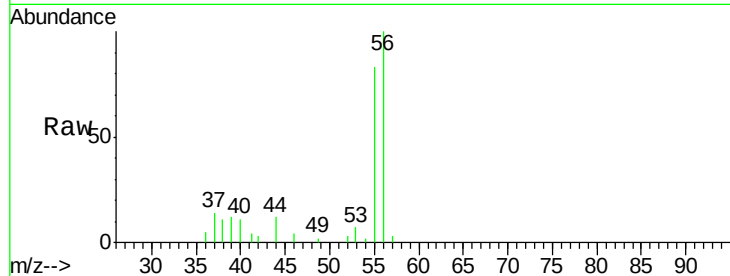
#13
Acrolein
Concen: 89.605 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
55	69.2	59.9	89.9

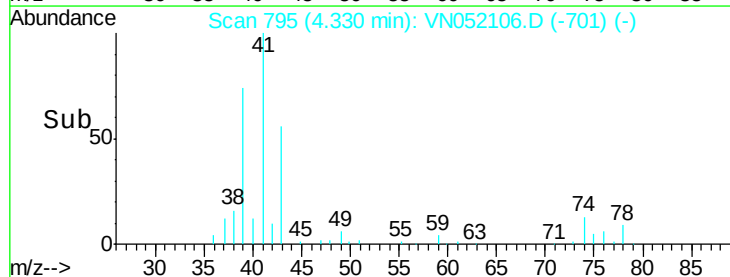
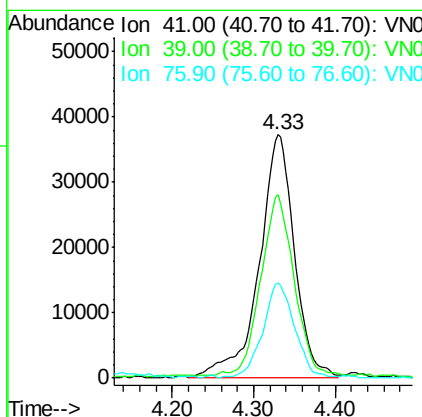
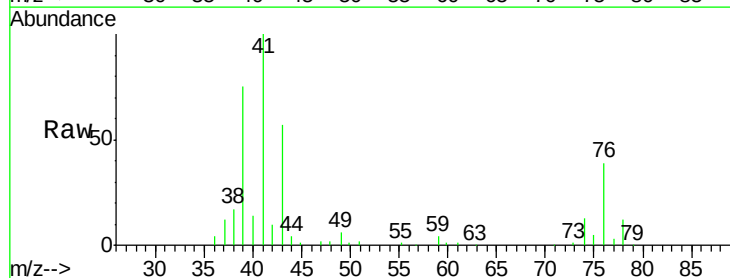
Manual Integrations
APPROVED

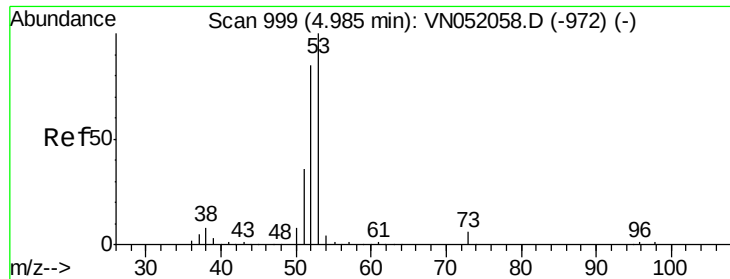
MMDadoda
11/2/2018 9:21:36 AM



#14
Allyl chloride
Concen: 17.028 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.7	58.1	87.1
76	34.0	26.0	39.0





#15

Acrylonitrile

Concen: 90.986 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Instrument :

MSVOA_N

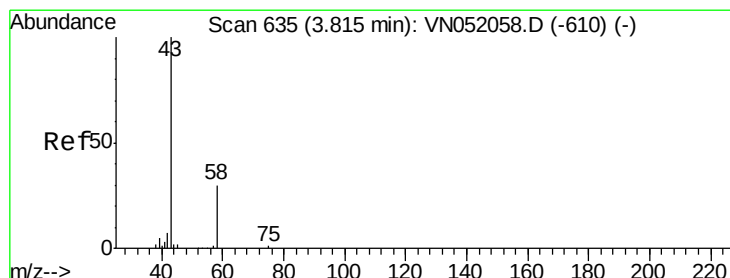
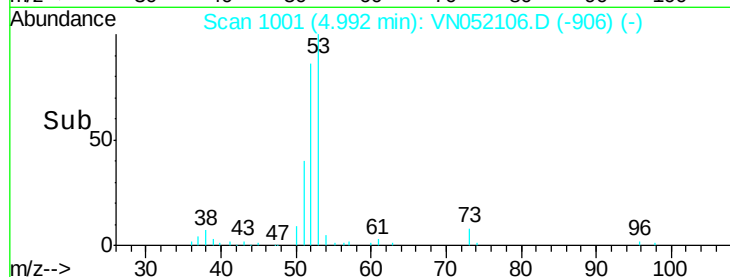
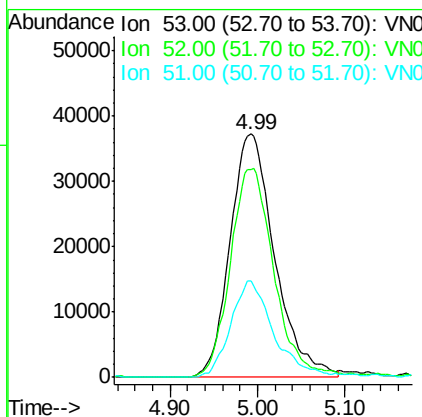
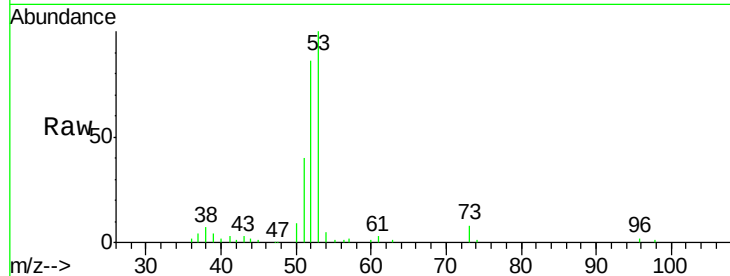
ClientSampleId :

VN1101WBS02

Tgt Ion:	53	Resp:	132071
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.6	100.0
51	37.9	29.0	43.6

Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:21:36 AM



#16

Acetone

Concen: 89.361 ug/l

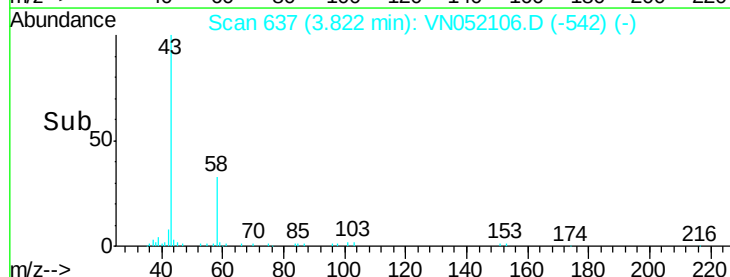
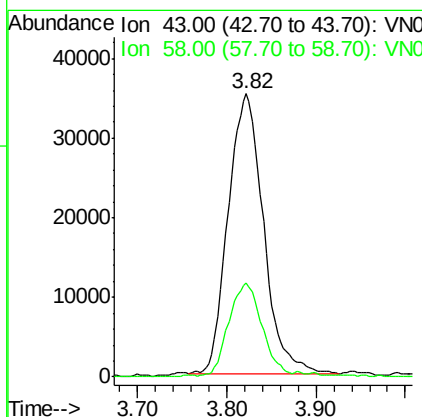
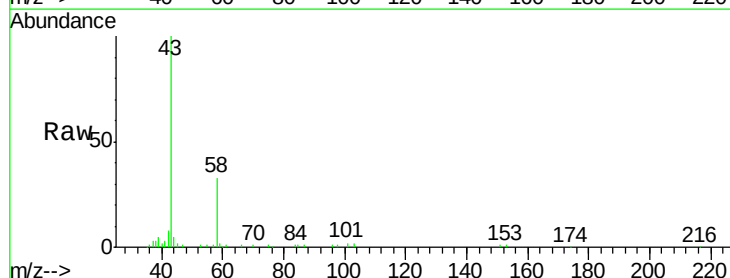
RT: 3.82 min Scan# 637

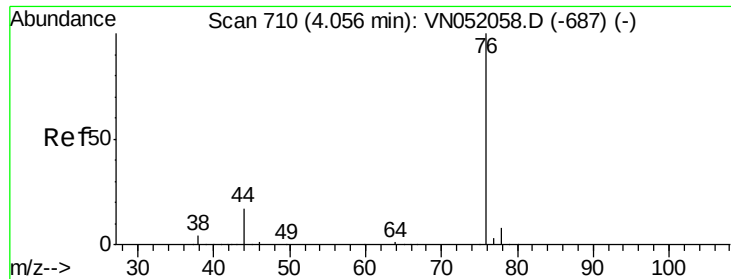
Delta R.T. 0.01 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Tgt Ion:	43	Resp:	96716
Ion	Ratio	Lower	Upper
43	100		
58	32.9	24.2	36.2





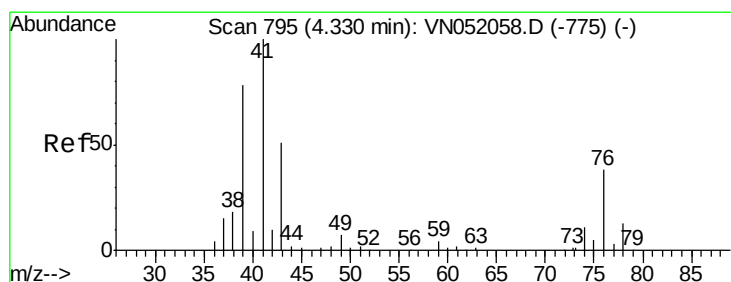
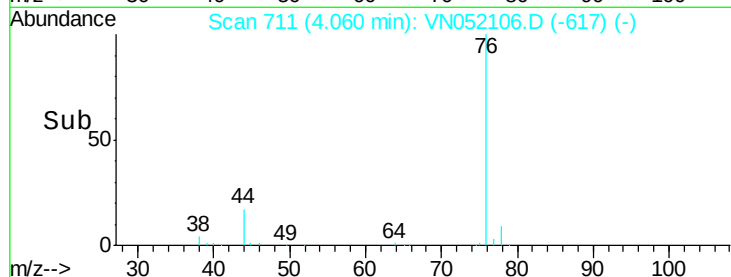
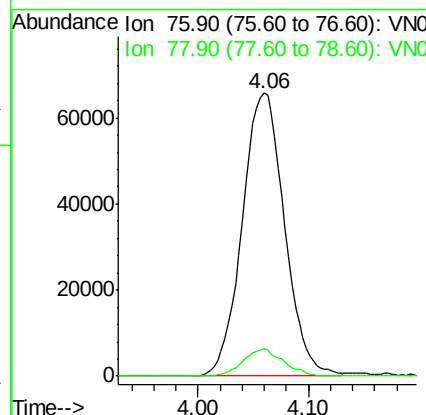
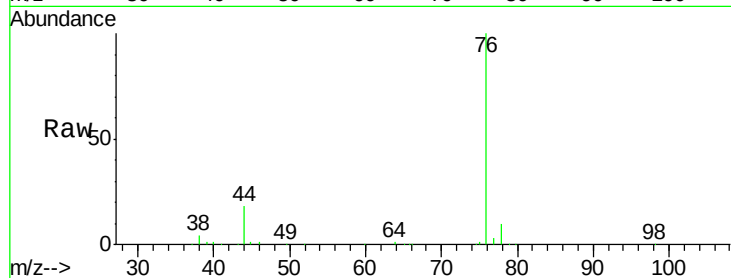
#17
Carbon Disulfide
Concen: 16.752 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion: 76 Resp: 174980
Ion Ratio Lower Upper
76 100
78 9.7 6.8 10.2

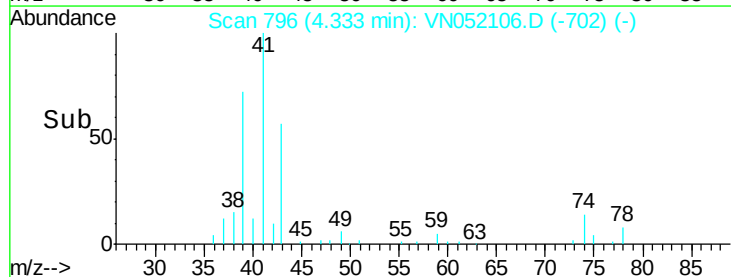
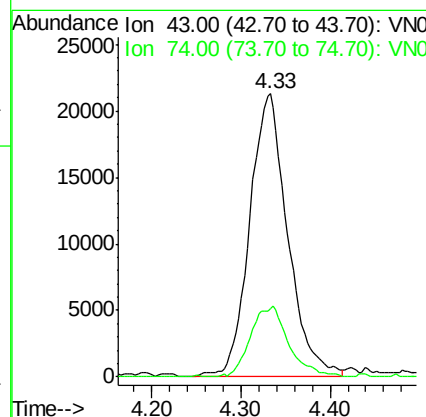
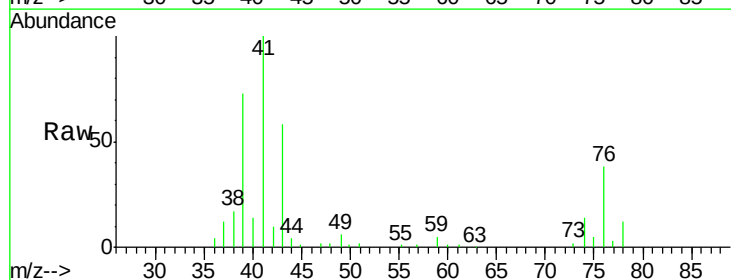
Manual Integrations
APPROVED

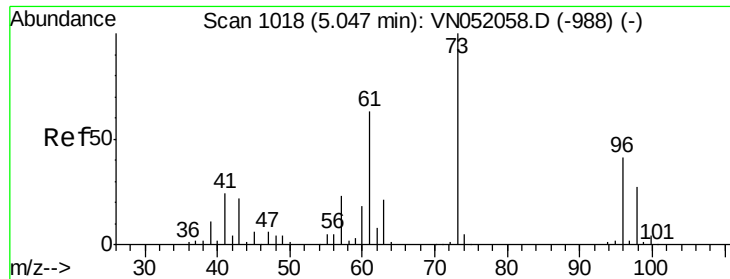
MMDadoda
11/2/2018 9:21:36 AM



#18
Methyl Acetate
Concen: 18.344 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Tgt Ion: 43 Resp: 63202
Ion Ratio Lower Upper
43 100
74 25.1 17.9 26.9





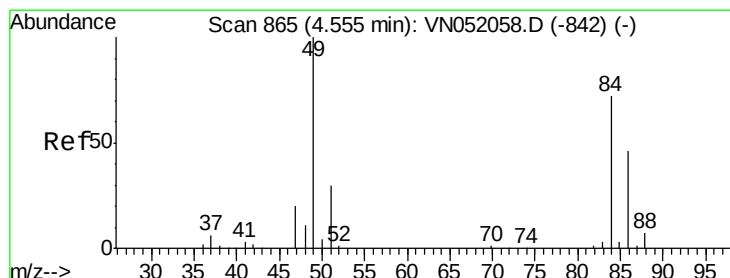
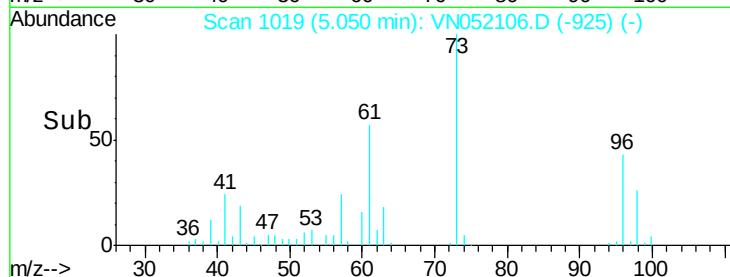
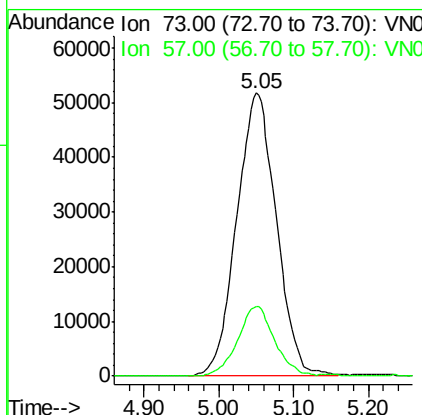
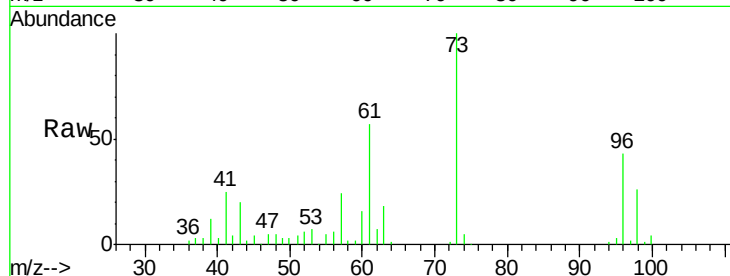
#19
Methyl tert-butyl Ether
Concen: 17.488 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion: 73 Resp: 190410
Ion Ratio Lower Upper
73 100
57 24.5 18.7 28.1

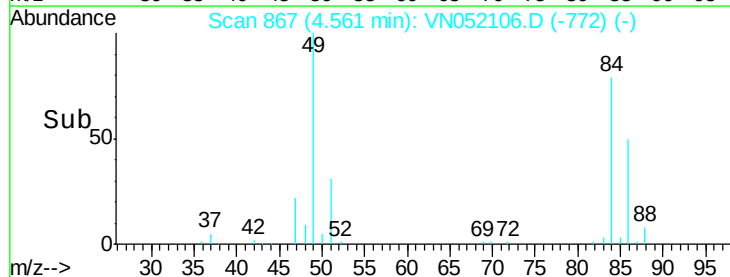
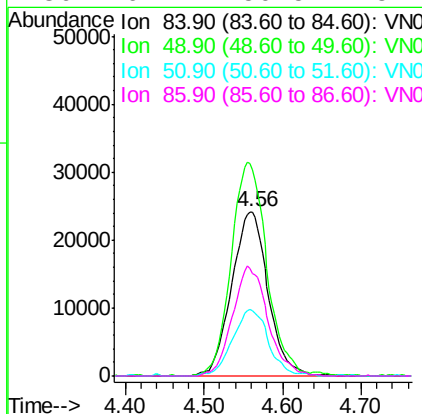
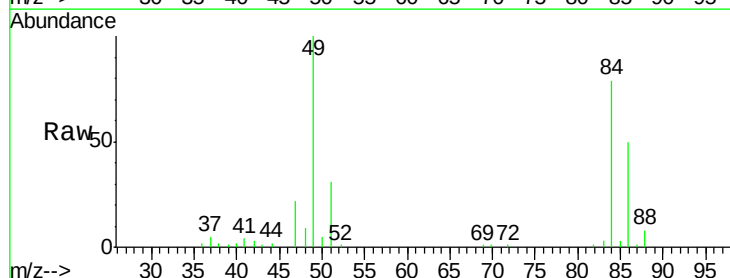
Manual Integrations
APPROVED

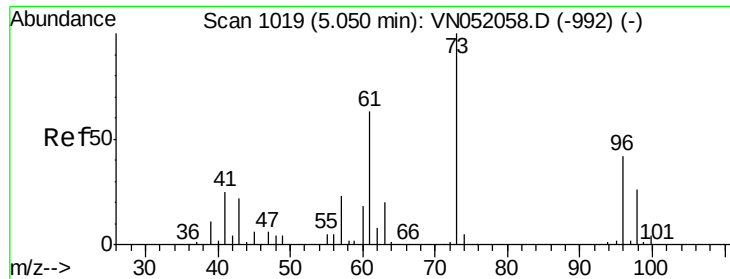
MMDadoda
11/2/2018 9:21:36 AM



#20
Methylene Chloride
Concen: 18.892 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Tgt Ion: 84 Resp: 77910
Ion Ratio Lower Upper
84 100
49 126.1 110.6 165.8
51 39.5 33.7 50.5
86 62.7 50.5 75.7





#21

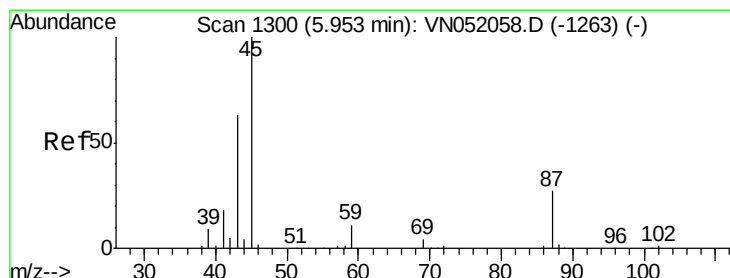
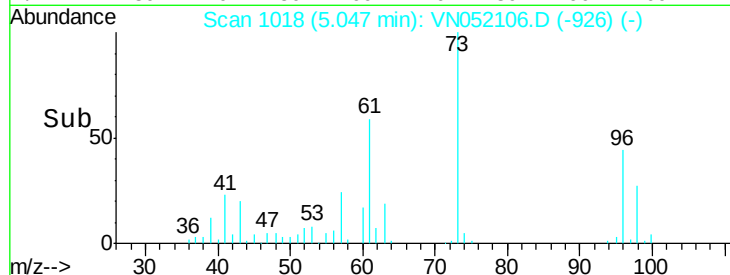
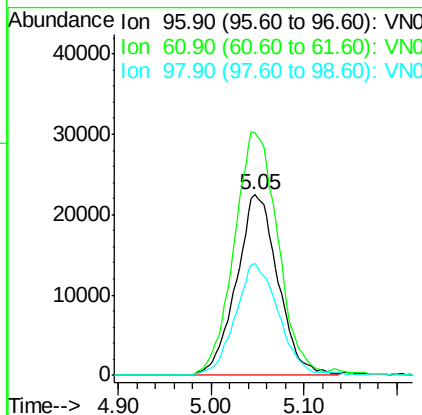
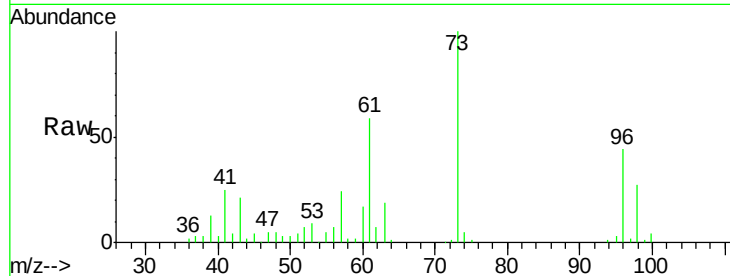
trans-1,2-Dichloroethene
Concen: 18.590 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.0	118.6	178.0
98	61.7	49.7	74.5

Manual Integrations
APPROVED

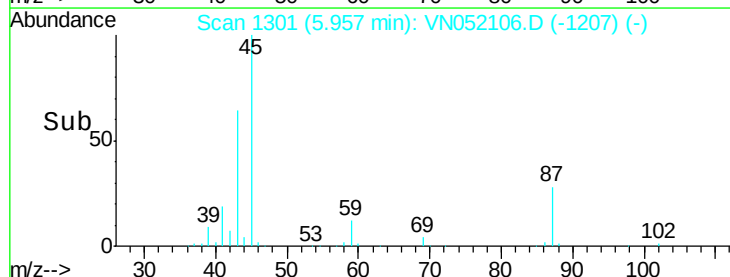
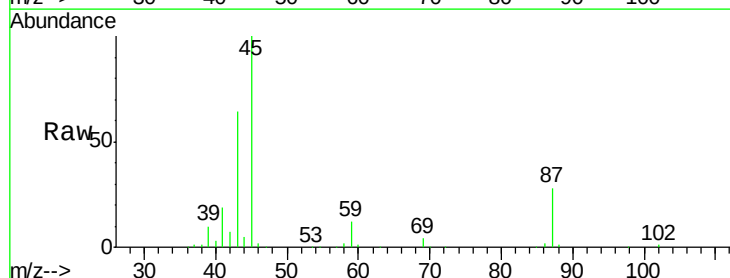
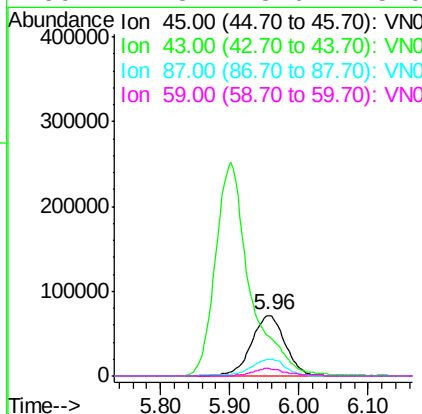
MMDadoda
11/2/2018 9:21:36 AM

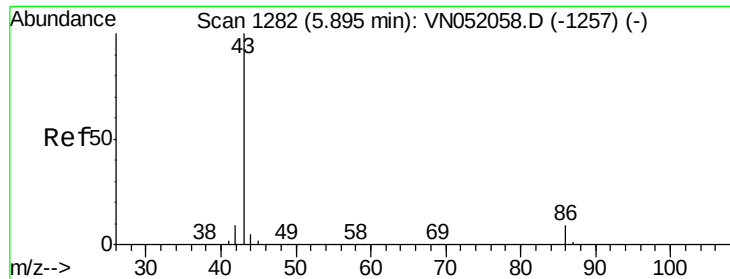


#22

Diisopropyl ether
Concen: 16.963 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.4	50.5	75.7
87	28.2	21.5	32.3
59	11.8	8.6	13.0





#23

Vinyl Acetate

Concen: 87.169 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 43 Resp: 865999

Ion Ratio Lower Upper

43 100

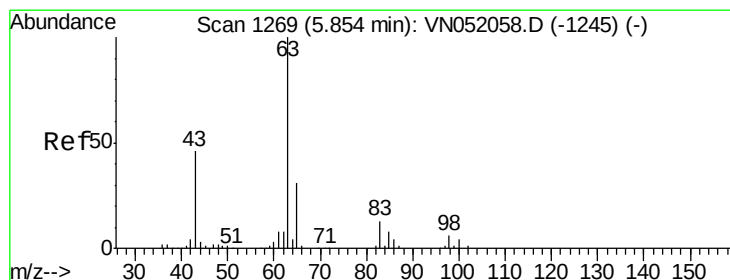
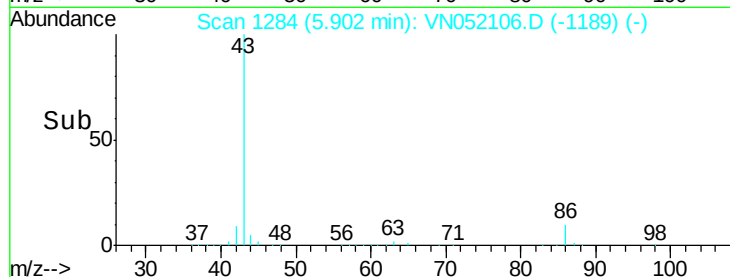
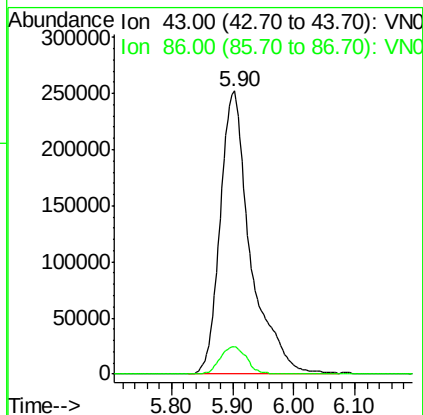
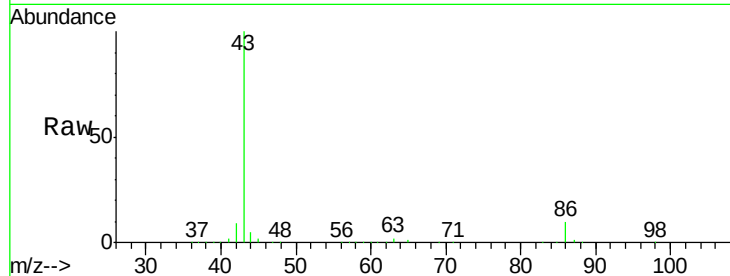
86 9.8 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

11/2/2018 9:21:36 AM



#24

1,1-Dichloroethane

Concen: 17.333 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

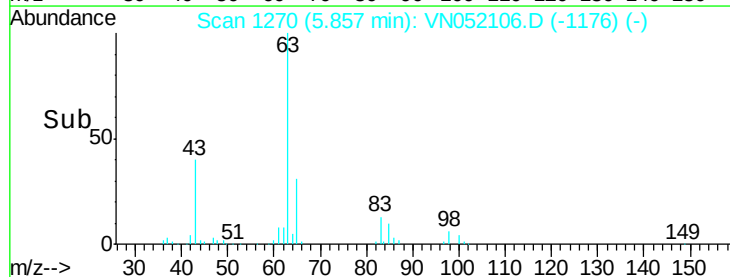
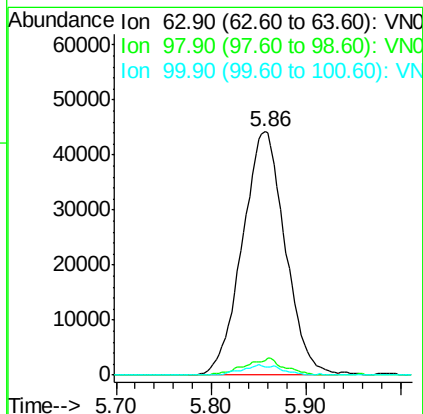
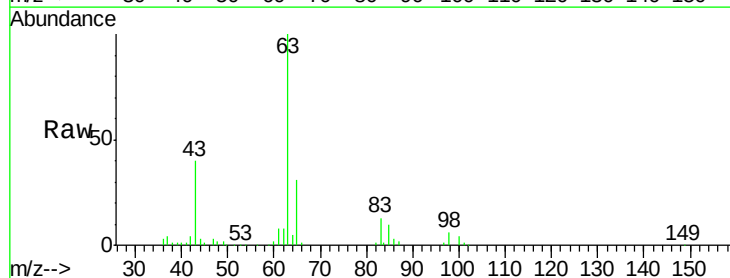
Tgt Ion: 63 Resp: 138971

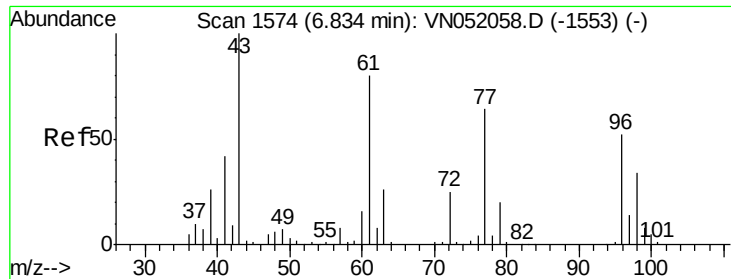
Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

100 3.5 2.0 6.0





#25

2-Butanone

Concen: 93.966 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 43 Resp: 159512

Ion Ratio Lower Upper

43 100

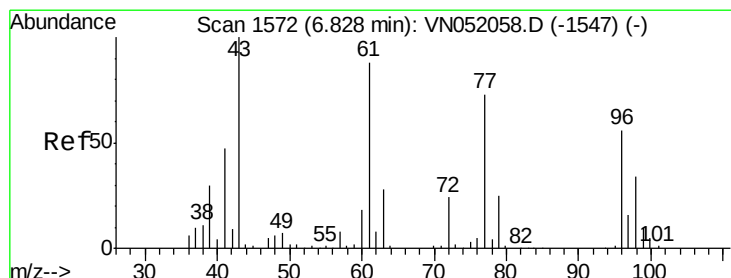
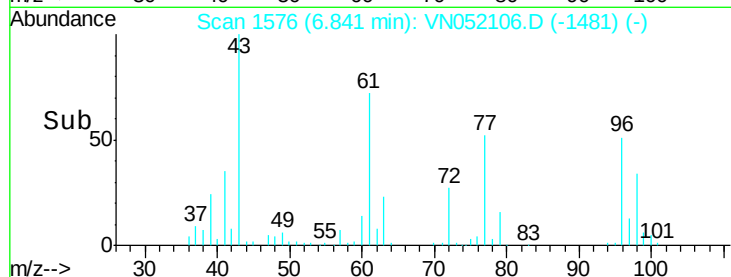
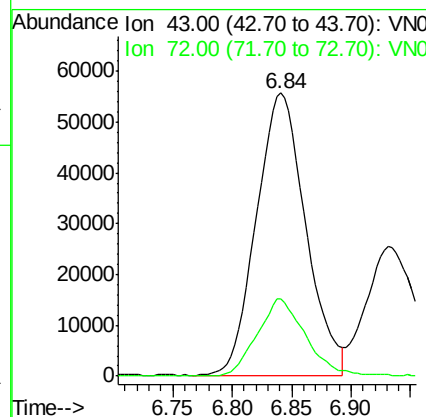
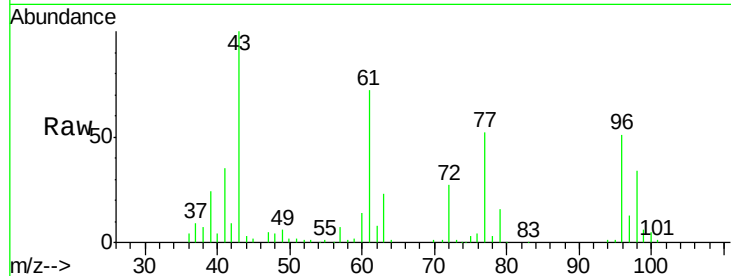
72 27.5 20.2 30.2

Manual Integrations

APPROVED

MMDadoda

11/2/2018 9:21:36 AM



#26

2,2-Dichloropropane

Concen: 16.468 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052106.D

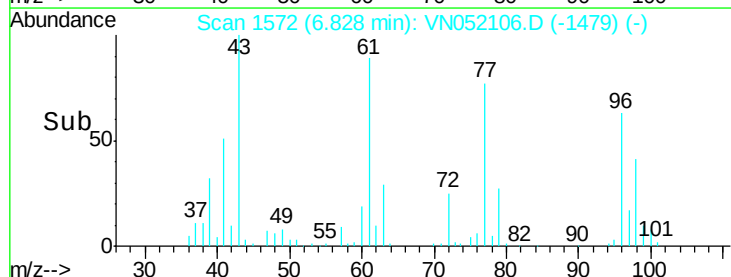
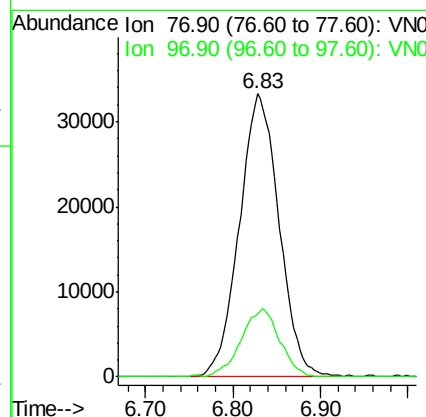
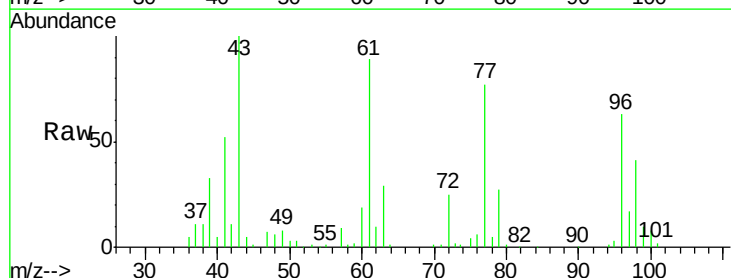
Acq: 1 Nov 2018 16:42

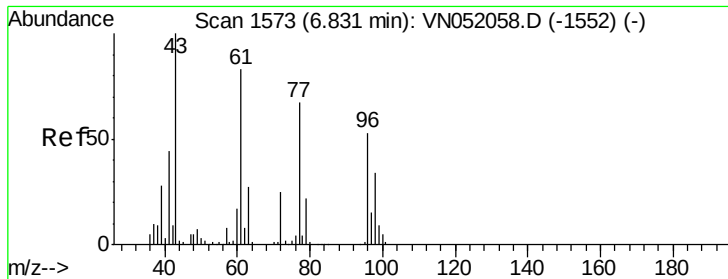
Tgt Ion: 77 Resp: 104858

Ion Ratio Lower Upper

77 100

97 23.2 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 18.624 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Instrument :

MSVOA_N

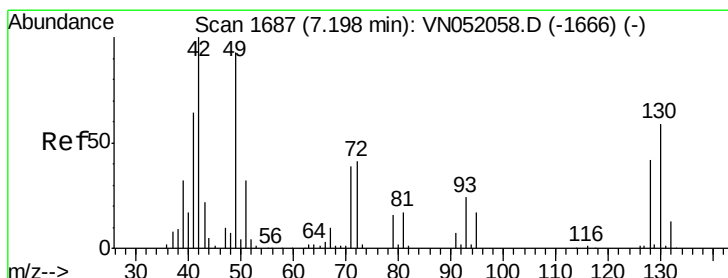
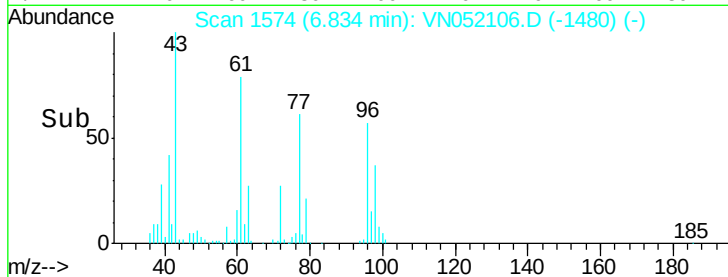
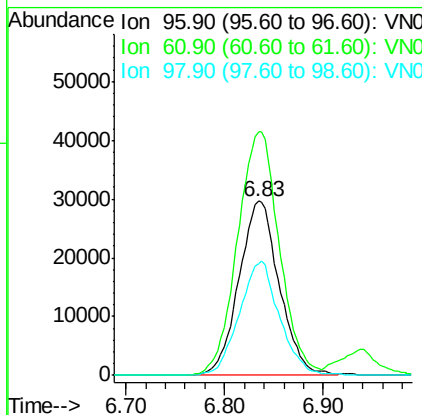
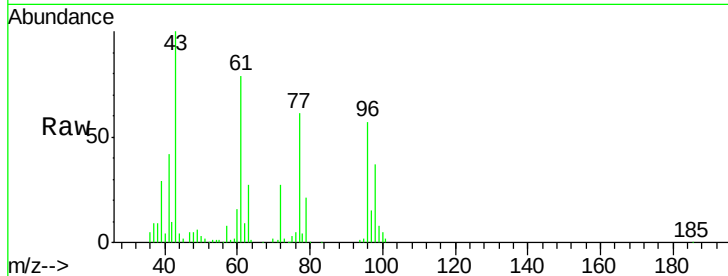
ClientSampled :

VN1101WBS02

Tgt Ion:	96	Resp:	84064
Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	312.8
98	65.0	0.0	127.0

Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:21:36 AM



#28

Bromochloromethane

Concen: 16.617 ug/l

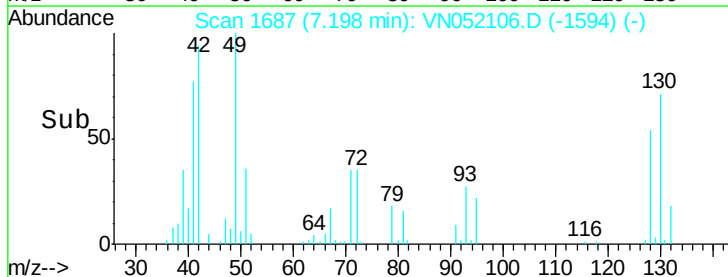
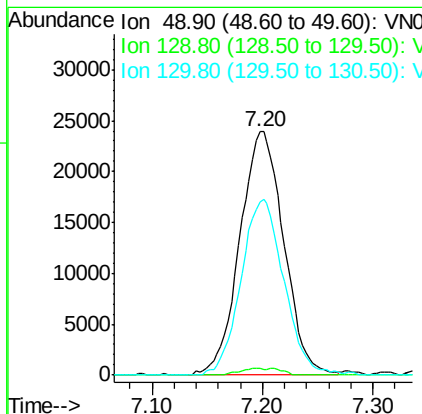
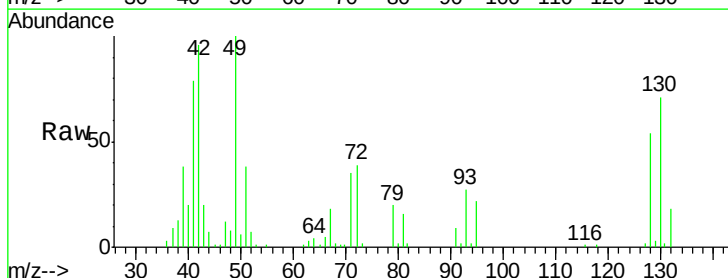
RT: 7.20 min Scan# 1687

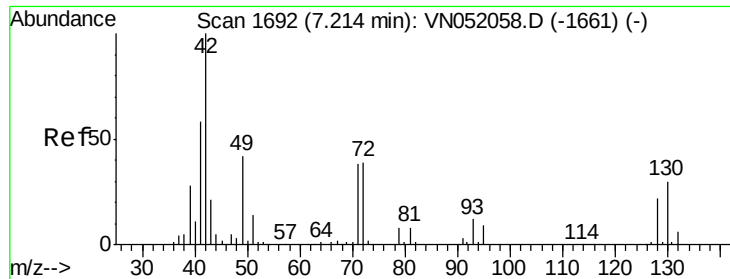
Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Tgt Ion:	49	Resp:	66023
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	2.4
130	70.3	50.8	76.2





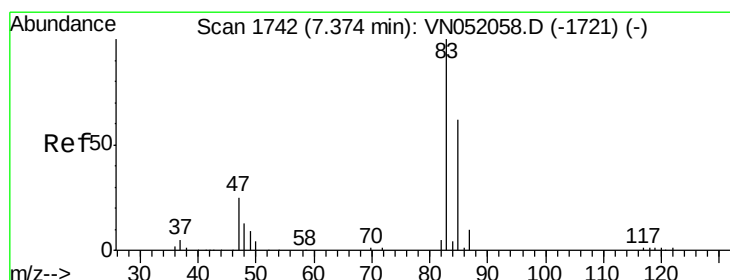
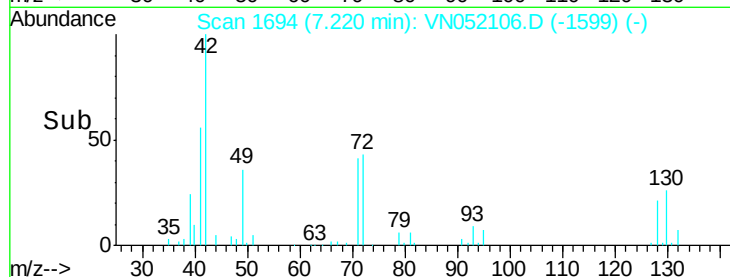
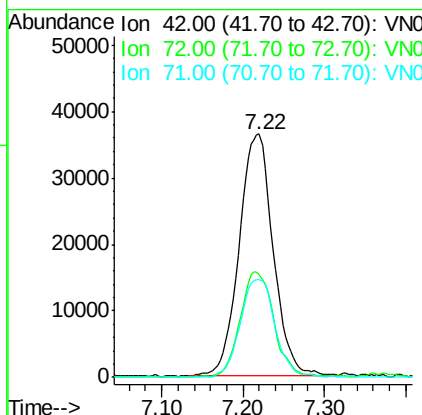
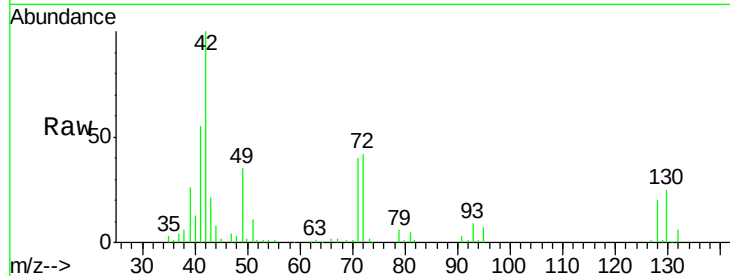
#29
Tetrahydrofuran
Concen: 93.039 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.2	32.5	48.7
71	40.6	30.6	46.0

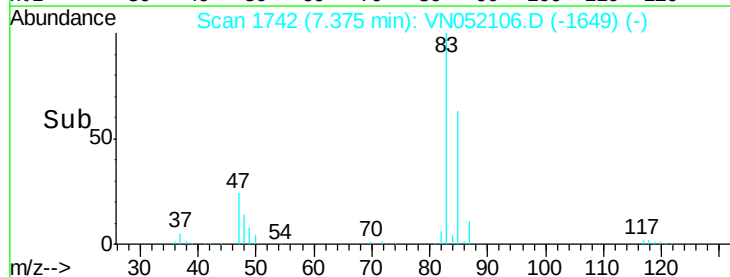
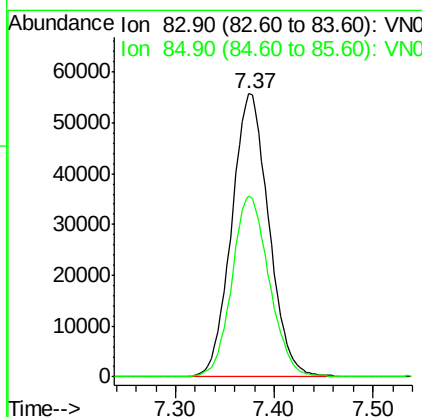
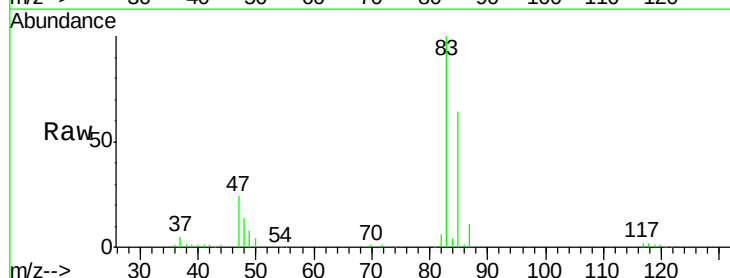
Manual Integrations
APPROVED

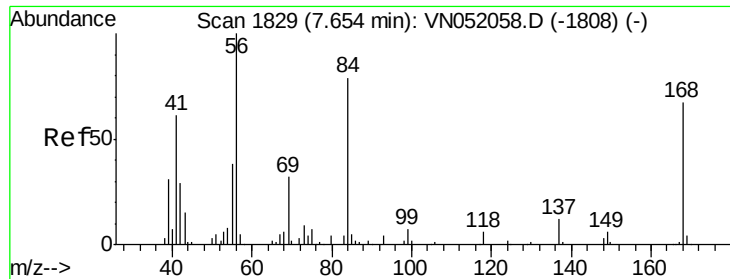
MMDadoda
11/2/2018 9:21:36 AM



#30
Chloroform
Concen: 18.259 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.6	74.4





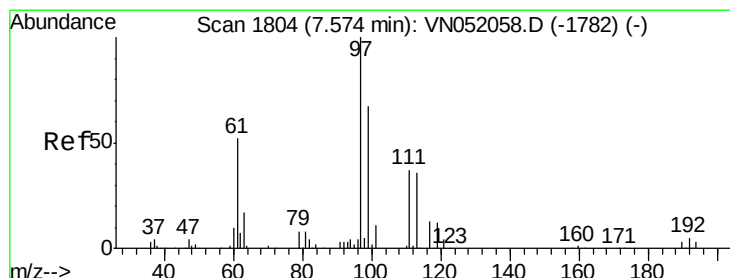
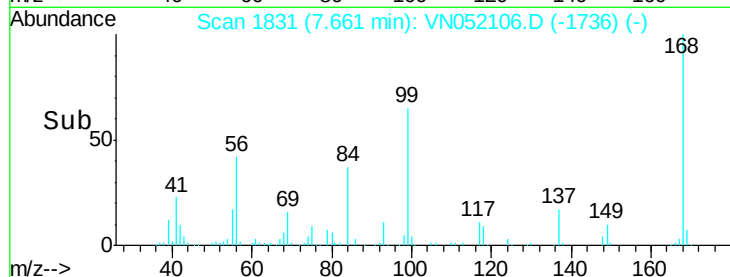
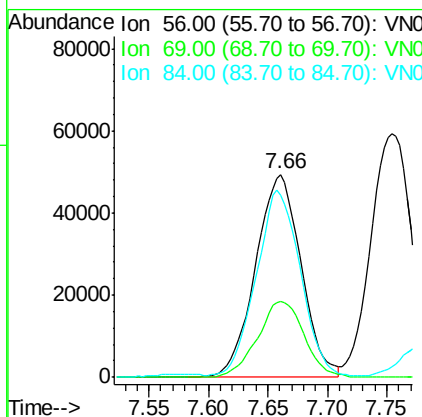
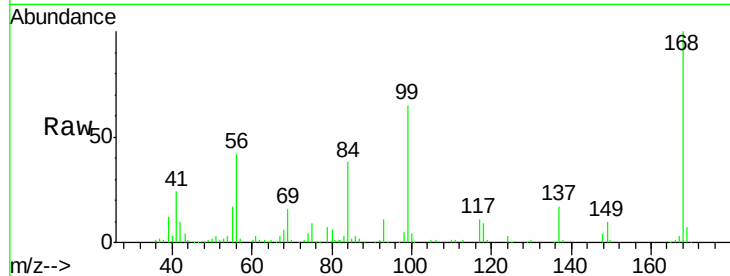
#31
Cyclohexane
Concen: 15.560 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.8	25.8	38.6
84	88.4	63.5	95.3

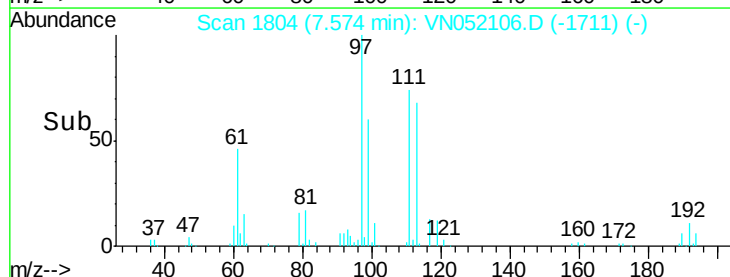
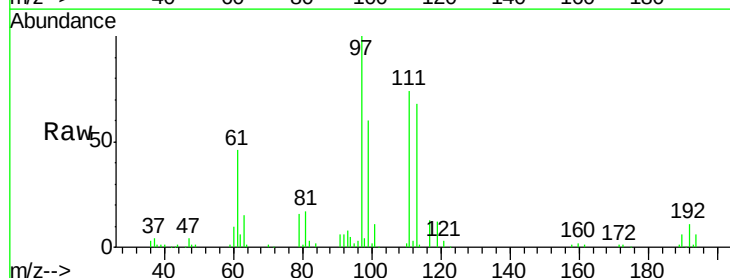
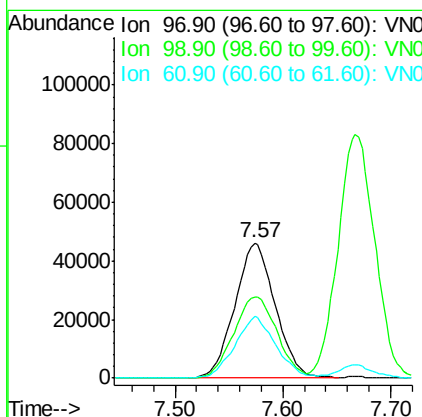
Manual Integrations
APPROVED

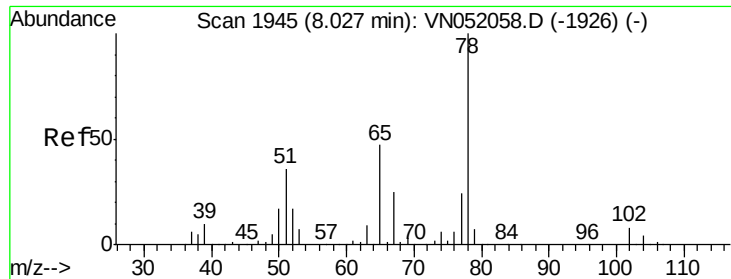
MMDadoda
11/2/2018 9:21:36 AM



#32
1,1,1-Trichloroethane
Concen: 18.641 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	46.1	40.3	60.5





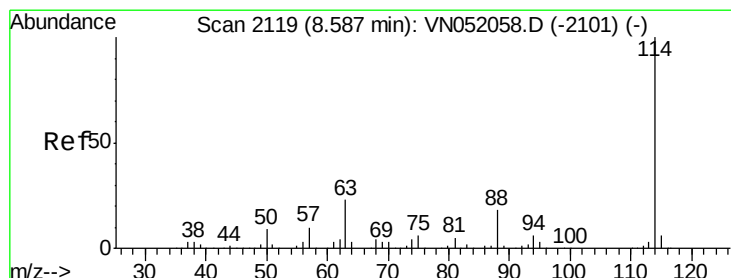
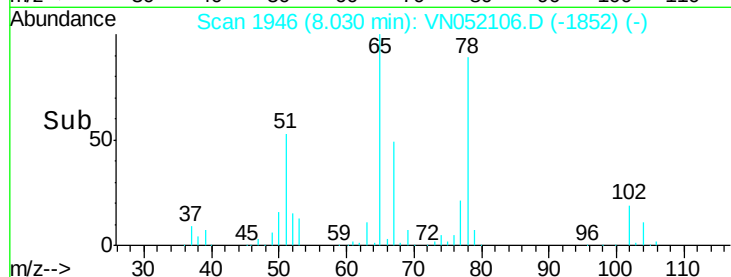
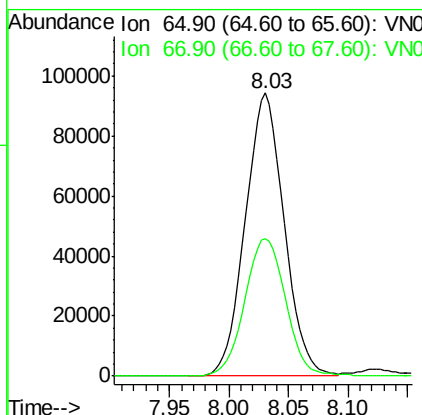
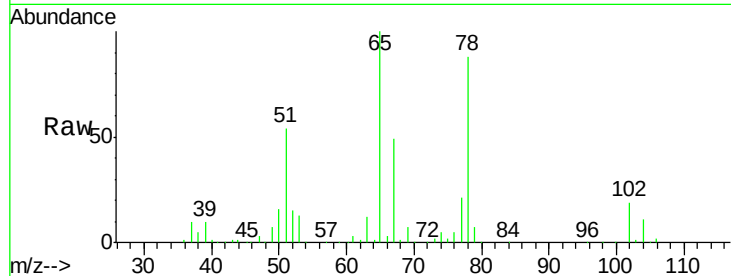
#33
 1,2-Dichloroethane-d4
 Concen: 18.641 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Instrument :
 MSVOA_N
 ClientSampled :
 VN1101WBS02

Tgt Ion: 65 Resp: 213548
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.2

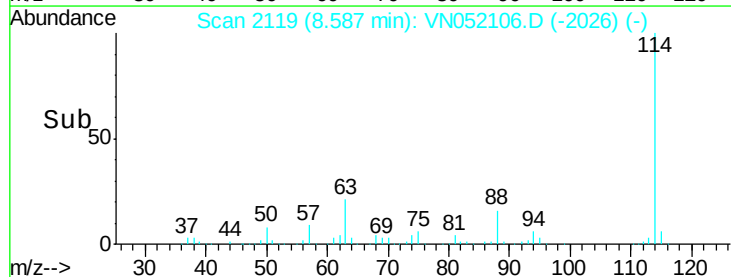
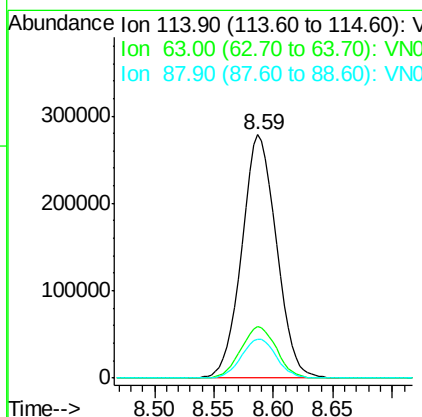
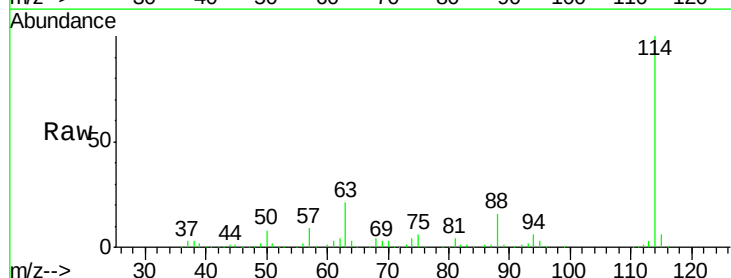
Manual Integrations
 APPROVED

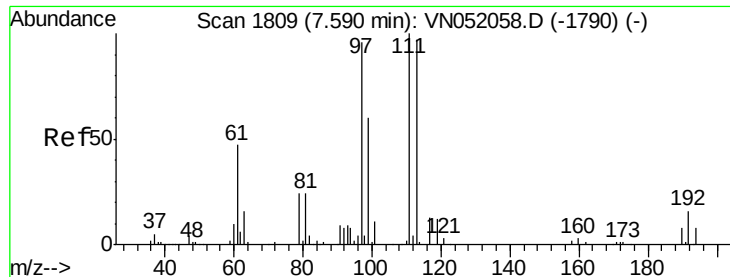
MMDadoda
 11/2/2018 9:21:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Tgt Ion: 114 Resp: 561424
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 46.0
 88 16.1 0.0 35.4





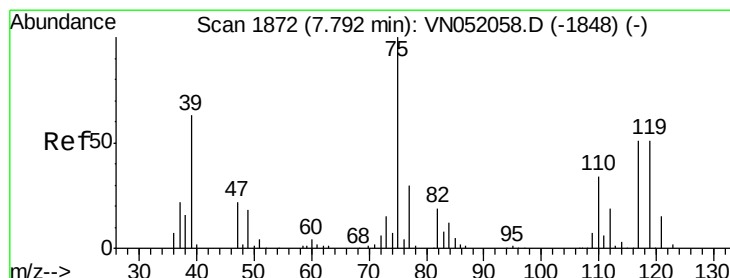
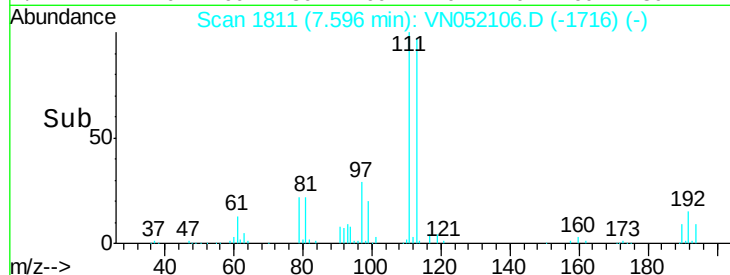
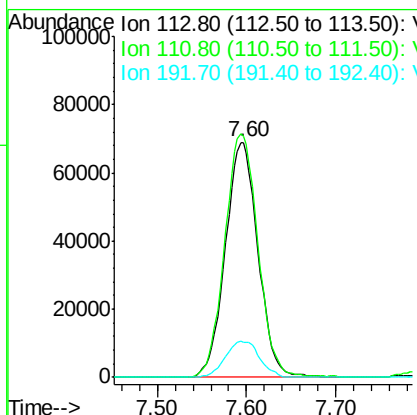
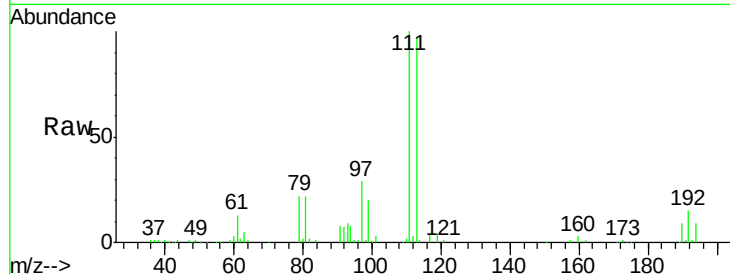
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.60 min Scan# 1811
 Delta R.T. 0.01 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	174102		
111	105.7	83.1	124.7	
192	16.1	12.7	19.1	

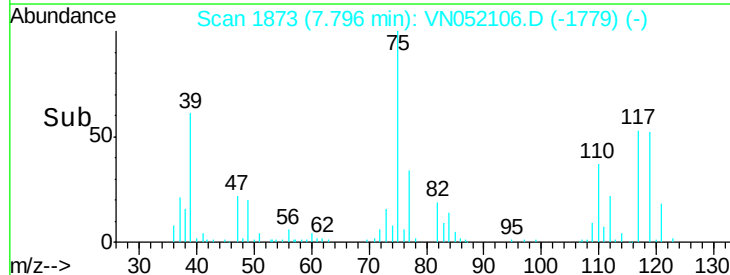
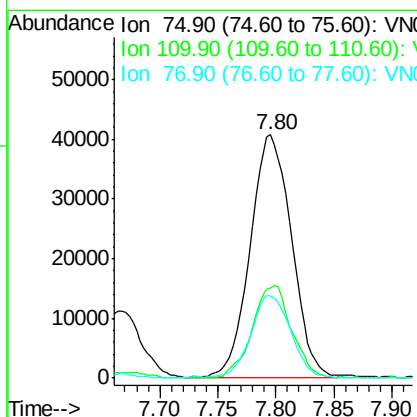
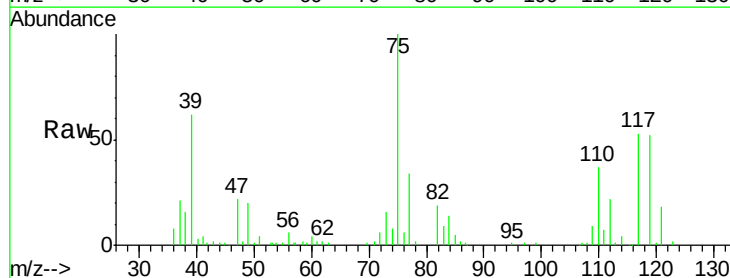
Manual Integrations
 APPROVED

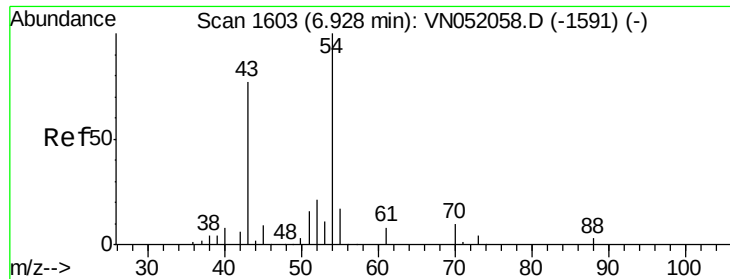
MMDadoda
 11/2/2018 9:21:36 AM



#36
 1,1-Dichloropropene
 Concen: 17.802 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	101622		
110	36.4	16.0	48.0	
77	32.8	24.5	36.7	





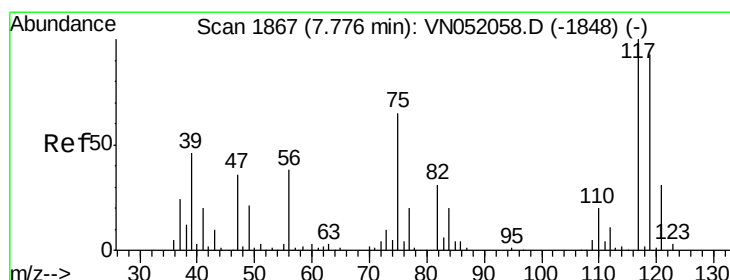
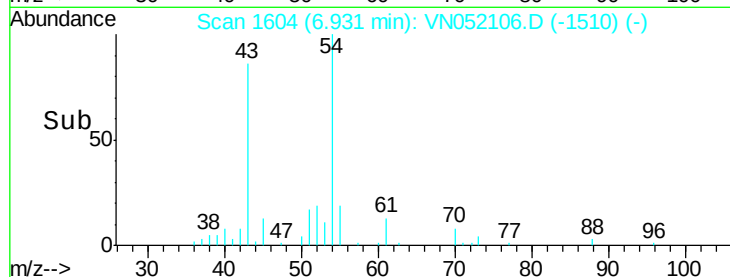
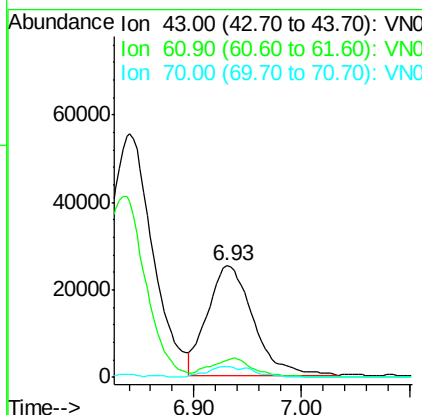
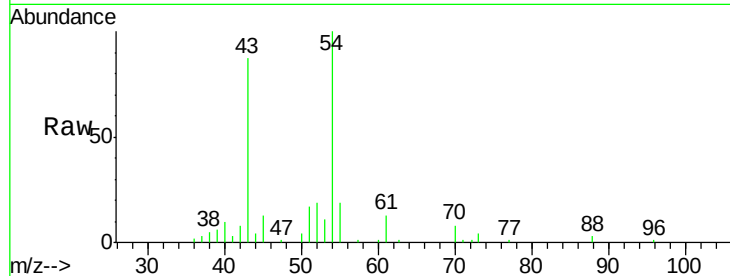
#37
Ethyl Acetate
 Concen: 19.387 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS02

Tgt Ion: 43 Resp: 74075
 Ion Ratio Lower Upper
 43 100
 61 16.3 10.9 16.3#
 70 6.8 8.6 12.8#

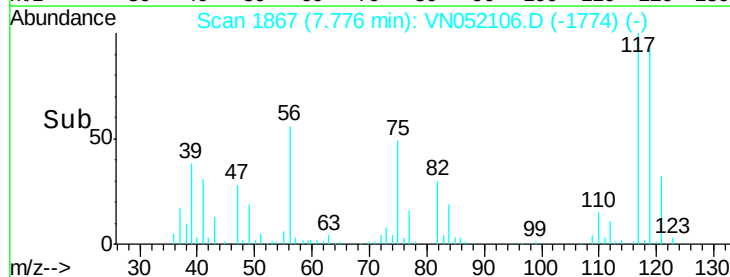
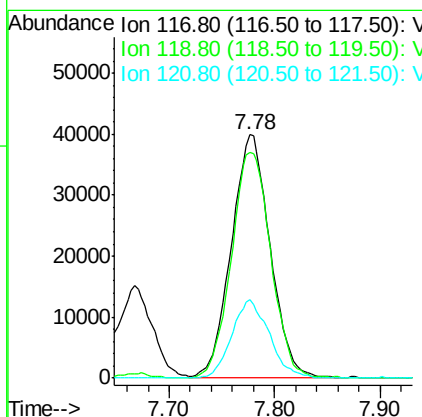
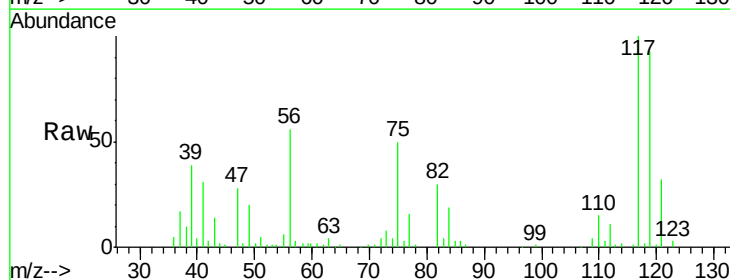
Manual Integrations
 APPROVED

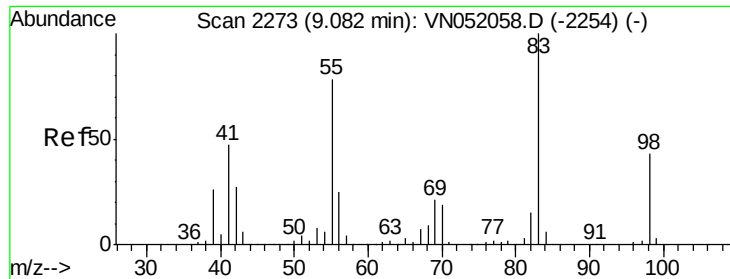
MMDadoda
 11/2/2018 9:21:36 AM



#38
Carbon Tetrachloride
 Concen: 20.724 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Tgt Ion: 117 Resp: 102008
 Ion Ratio Lower Upper
 117 100
 119 92.1 74.8 112.2
 121 32.1 25.1 37.7





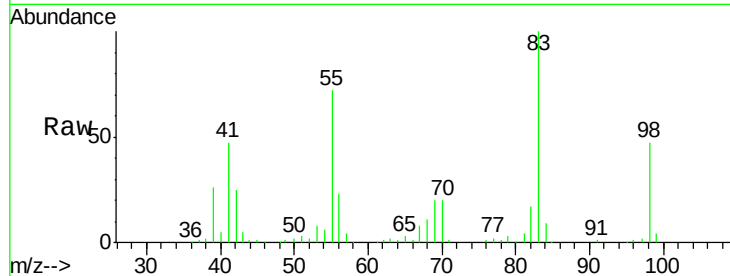
#39
Methylcyclohexane
Concen: 18.608 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.6	62.0	93.0
98	46.7	34.7	52.1

Manual Integrations
APPROVED

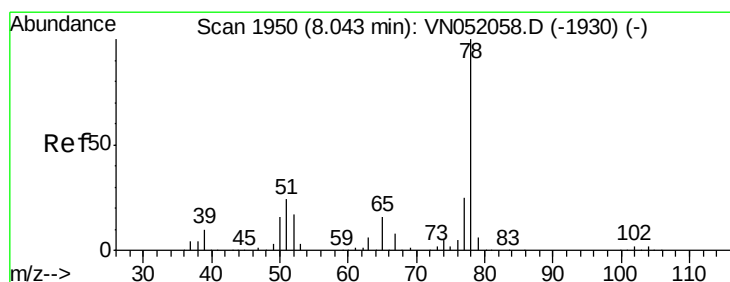
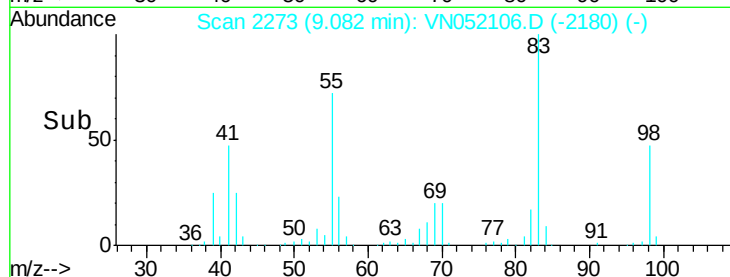
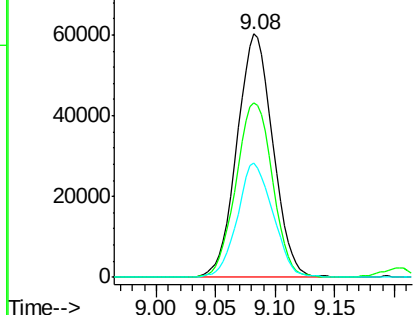
MMDadoda
11/2/2018 9:21:36 AM



Abundance Ion 83.00 (82.70 to 83.70): VN052106.D (-2180) (-)

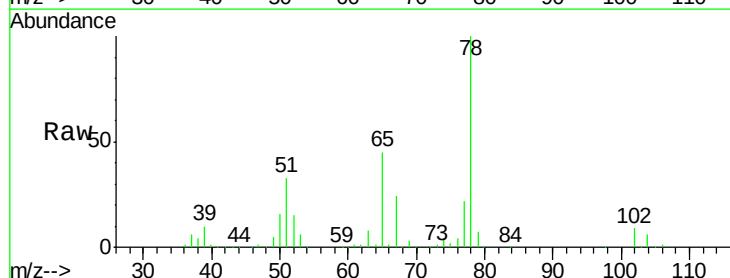
Ion 55.00 (54.70 to 55.70): VN052106.D (-2180) (-)

Ion 98.00 (97.70 to 98.70): VN052106.D (-2180) (-)



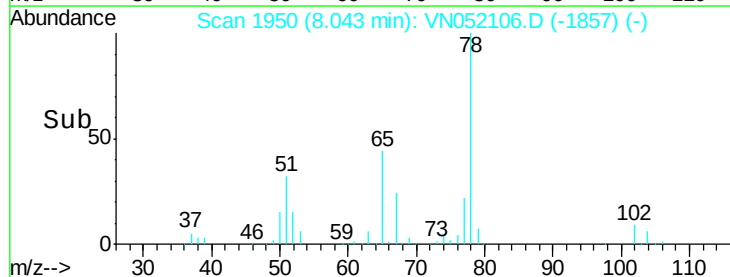
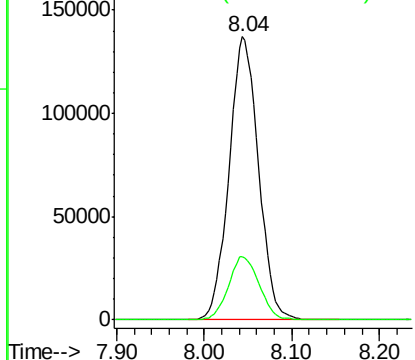
#40
Benzene
Concen: 19.337 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

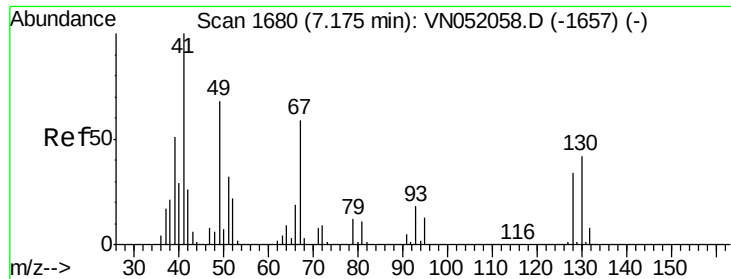
Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.8	29.6



Abundance Ion 78.00 (77.70 to 78.70): VN052106.D (-1857) (-)

Ion 77.00 (76.70 to 77.70): VN052106.D (-1857) (-)





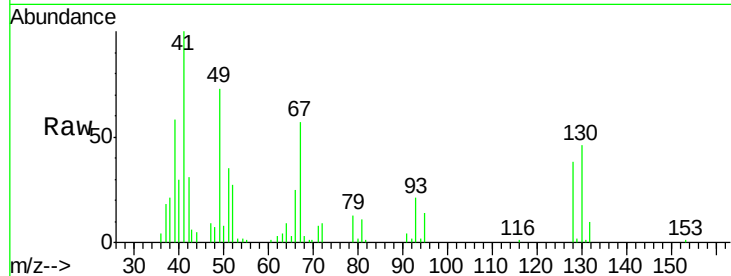
#41
Methacrylonitrile
Concen: 19.891 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

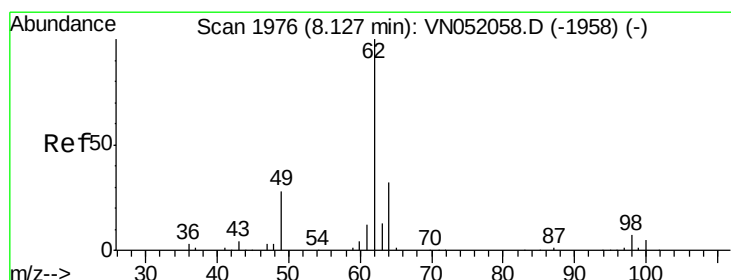
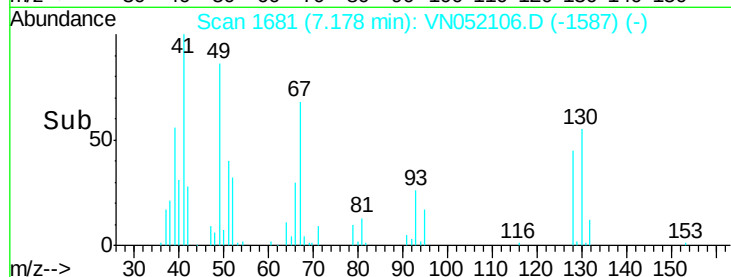
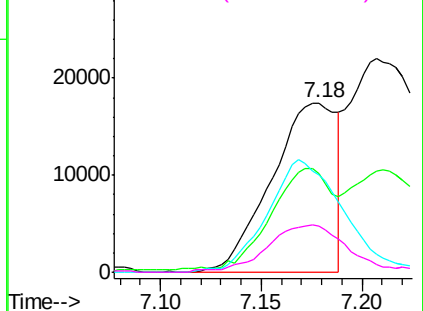
Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.3	33.2	49.8#
67	78.8	63.5	95.3
52	30.4	25.6	38.4

Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:21:36 AM

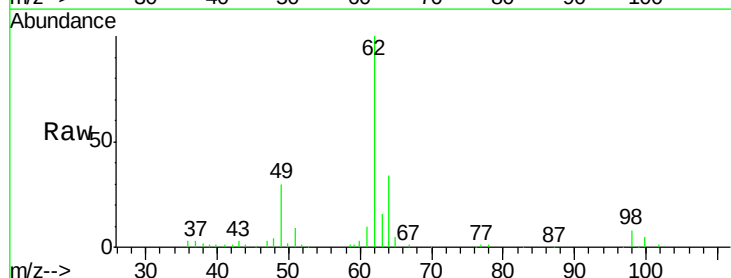


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

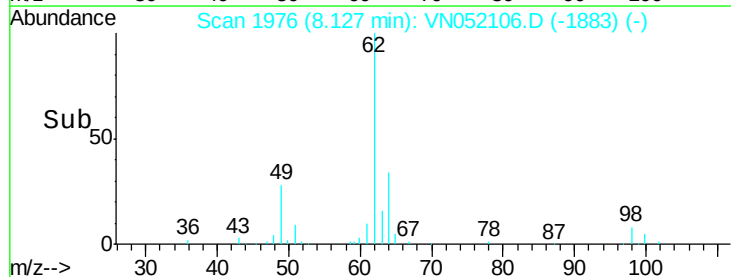
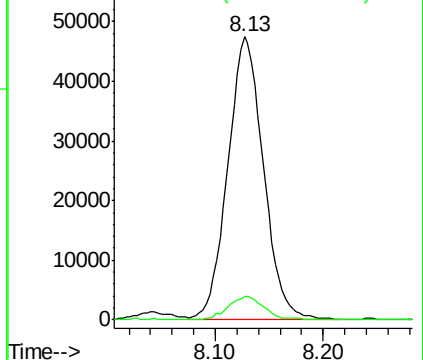


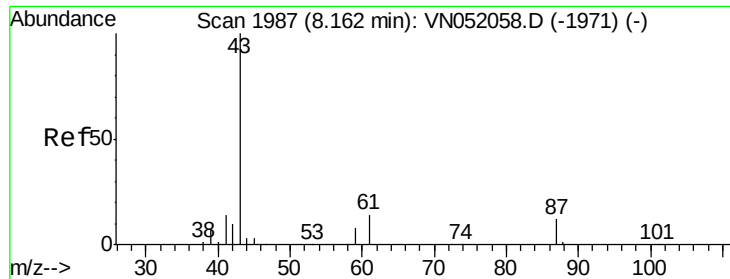
#42
1,2-Dichloroethane
Concen: 17.961 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	15.2



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





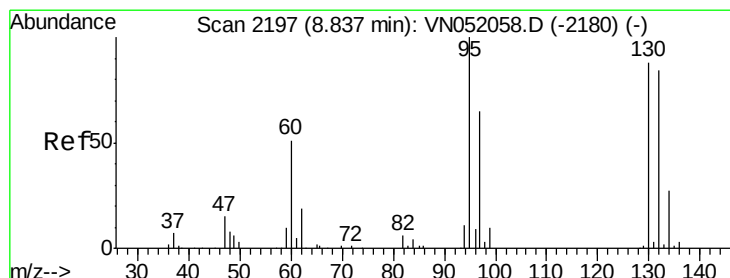
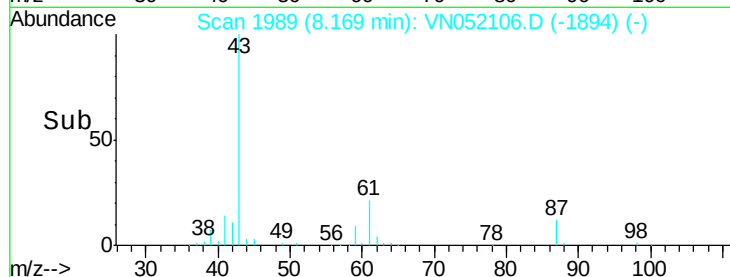
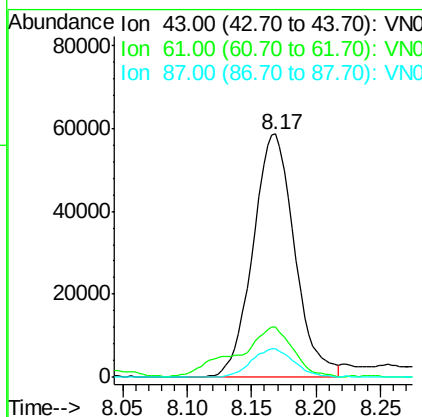
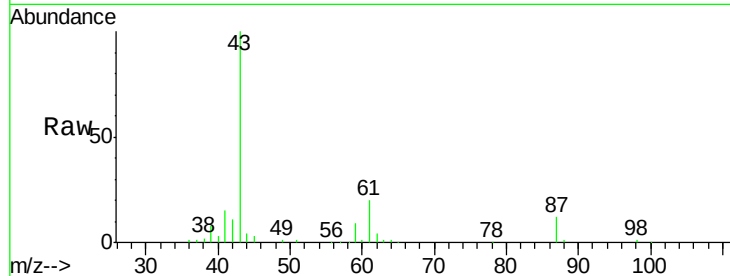
#43
Isopropyl Acetate
Concen: 19.450 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	27.3	15.4	23.0#
87	12.0	9.8	14.8

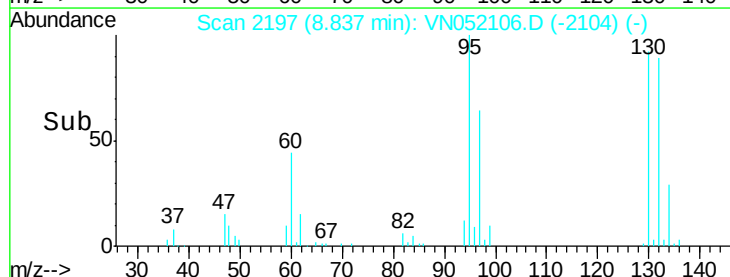
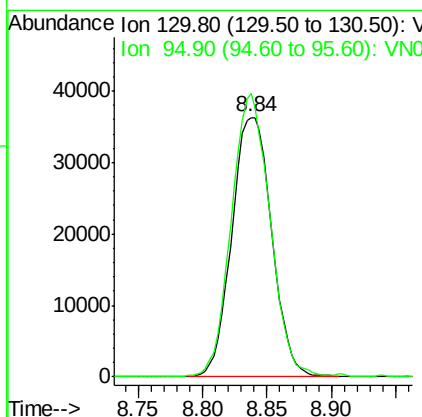
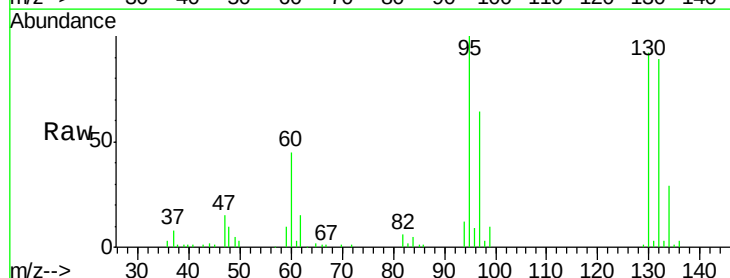
Manual Integrations
APPROVED

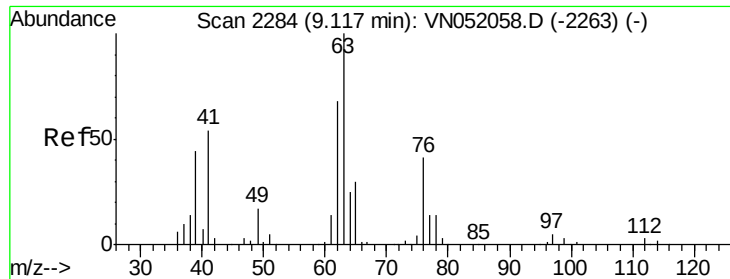
MMDadoda
11/2/2018 9:21:36 AM



#44
Trichloroethene
Concen: 21.133 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.7	0.0	228.4





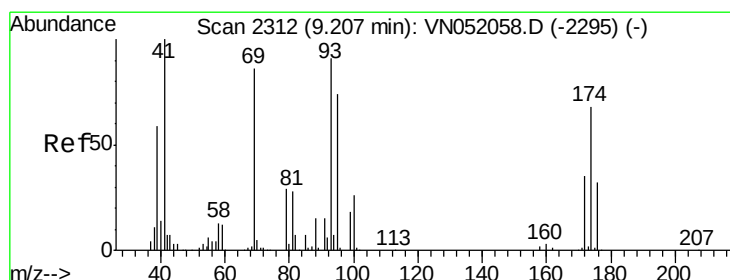
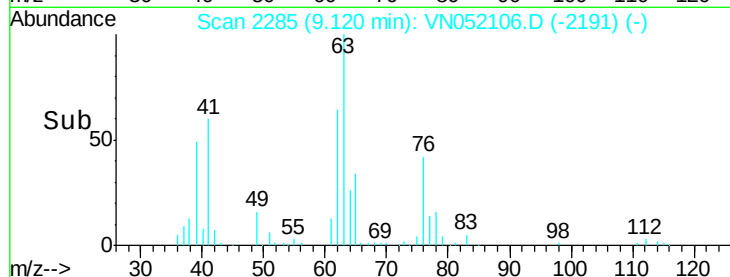
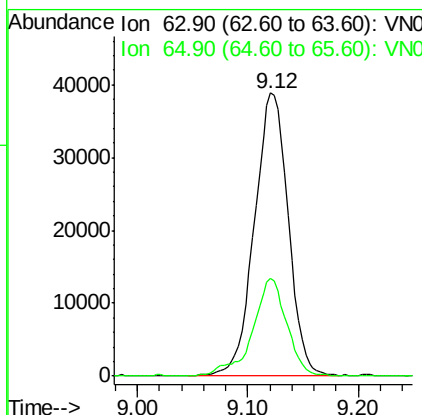
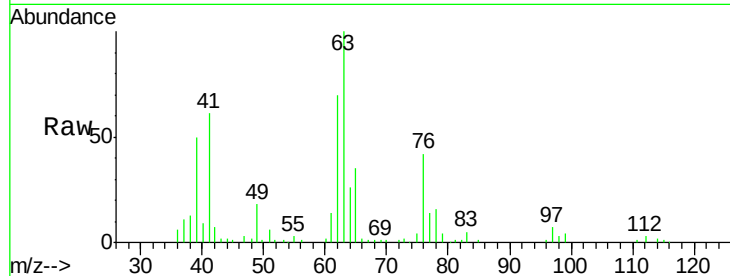
#45
 1,2-Dichloropropane
 Concen: 17.651 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS02

Tgt Ion: 63 Resp: 83027
 Ion Ratio Lower Upper
 63 100
 65 34.8 24.5 36.7

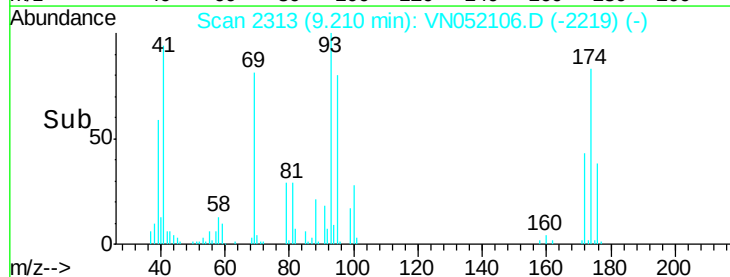
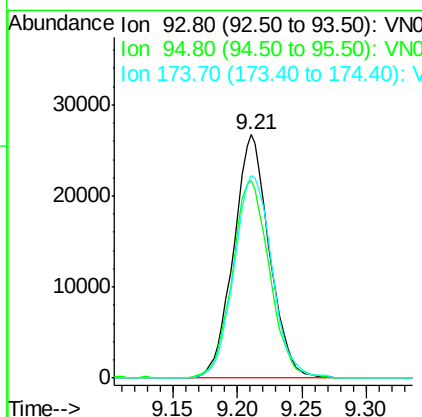
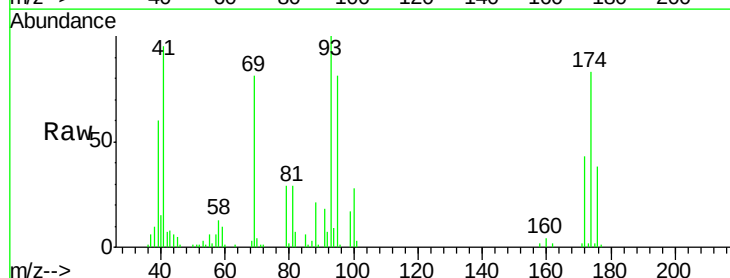
Manual Integrations
 APPROVED

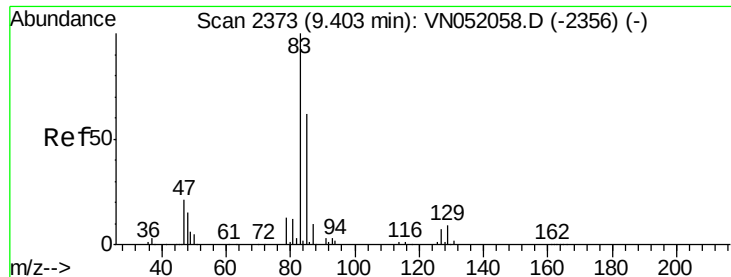
MMDadoda
 11/2/2018 9:21:36 AM



#46
 Dibromomethane
 Concen: 19.626 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Tgt Ion: 93 Resp: 51594
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.2 100.8
 174 88.4 59.7 89.5





#47

Bromodichloromethane

Concen: 18.923 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Instrument :

MSVOA_N

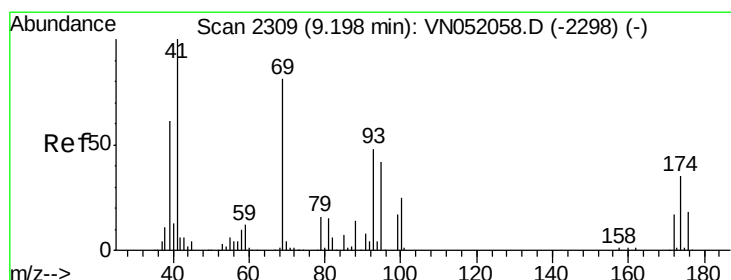
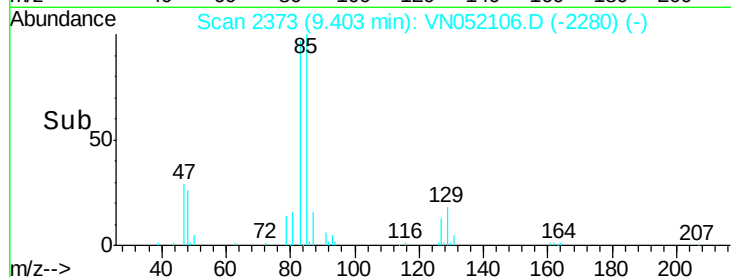
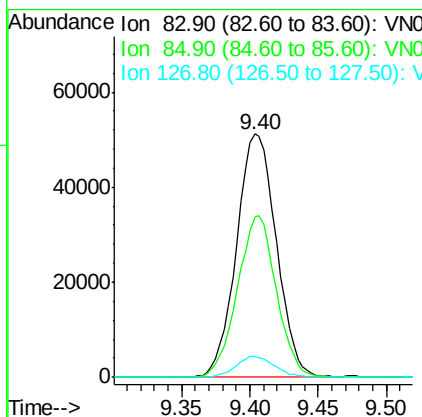
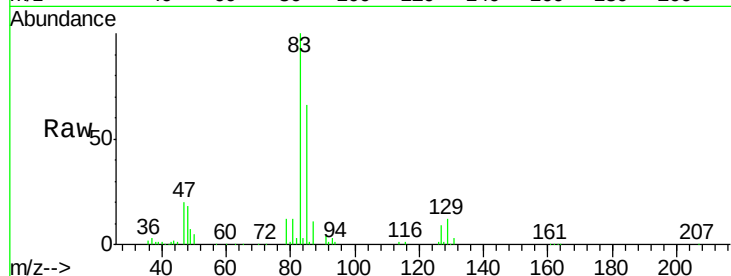
ClientSampleId :

VN1101WBS02

Tgt Ion:	83	Resp:	103756
Ion	Ratio	Lower	Upper
83	100		
85	65.6	49.4	74.2
127	8.6	5.8	8.8

Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:21:36 AM



#48

Methyl methacrylate

Concen: 18.020 ug/l

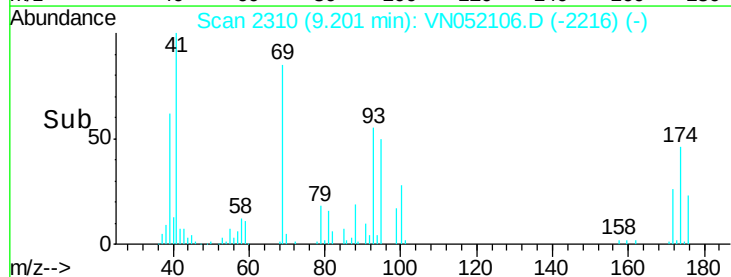
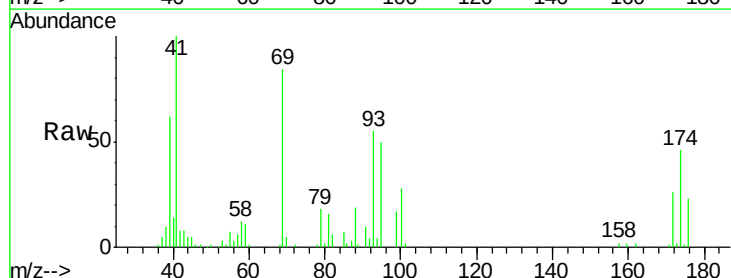
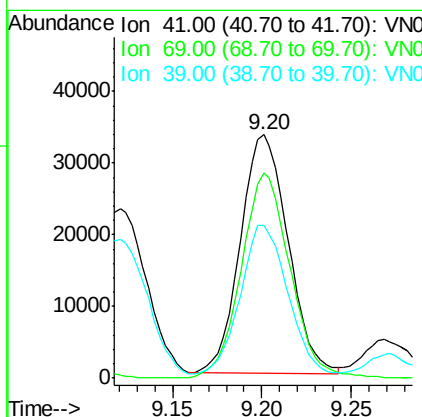
RT: 9.20 min Scan# 2310

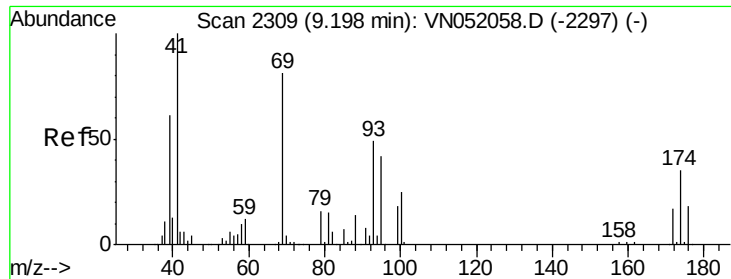
Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Tgt Ion:	41	Resp:	62087
Ion	Ratio	Lower	Upper
41	100		
69	88.0	67.1	100.7
39	62.6	50.5	75.7





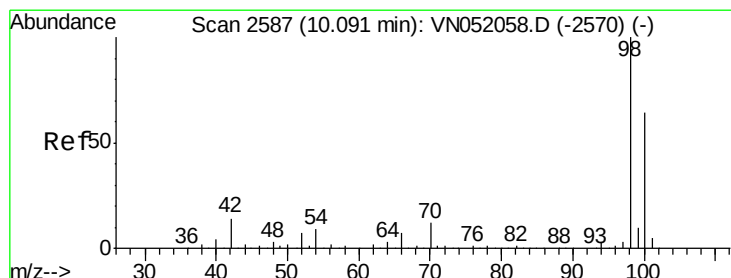
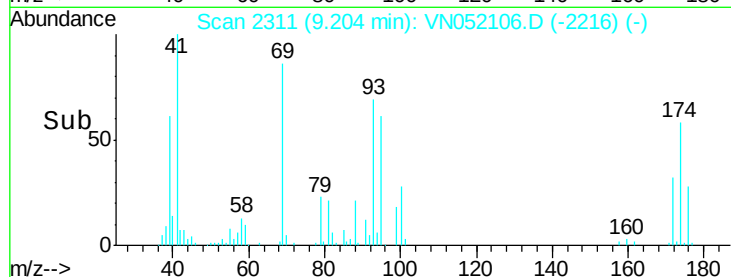
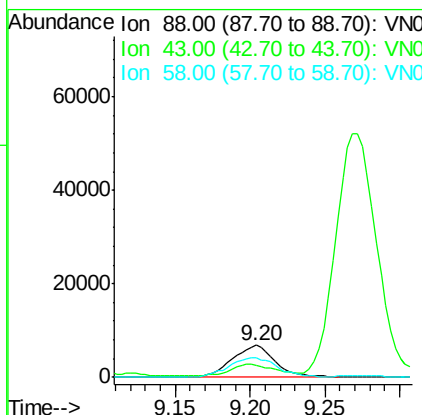
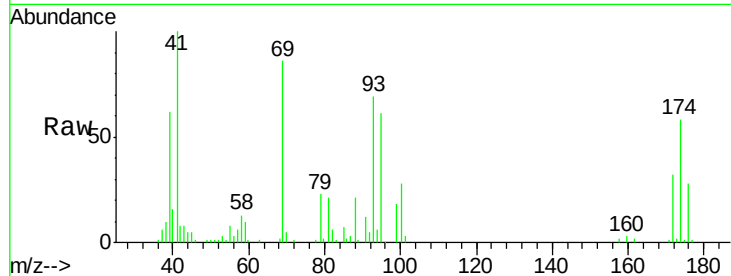
#49
1,4-Dioxane
Concen: 488.081 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	13721		
43	38.2	34.1	51.1	
58	69.2	62.8	94.2	

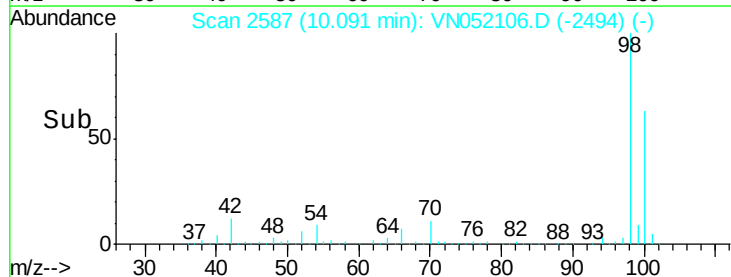
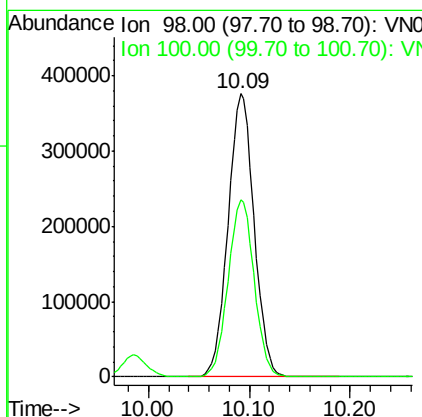
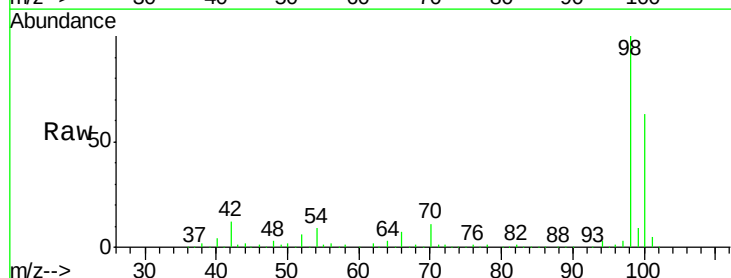
Manual Integrations
APPROVED

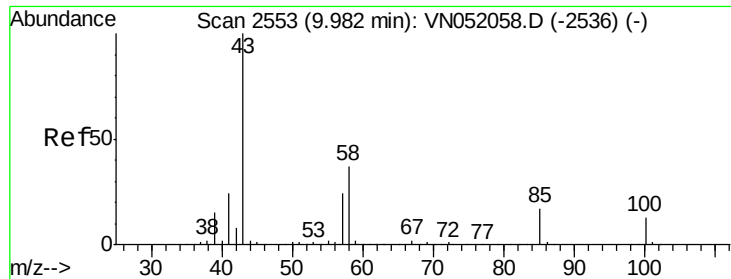
MMDadoda
11/2/2018 9:21:36 AM



#50
Toluene-d8
Concen: 488.081 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	676909		
100	62.5	51.4	77.2	





#51

4-Methyl-2-Pentanone

Concen: 101.104 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 43 Resp: 373459

Ion Ratio Lower Upper

43 100

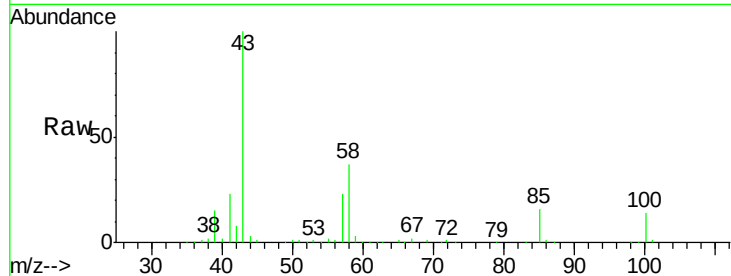
58 37.0 29.7 44.5

Manual Integrations

APPROVED

MMDadoda

11/2/2018 9:21:36 AM



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN052058.D (-2536) (-)

250000

200000

150000

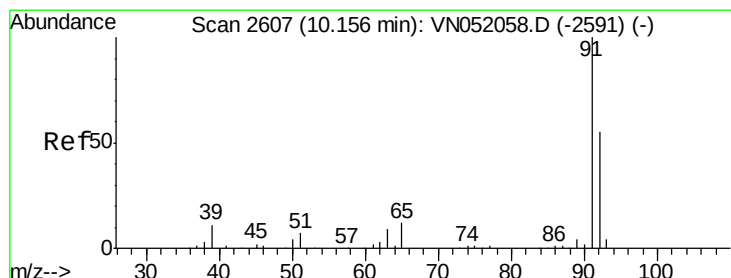
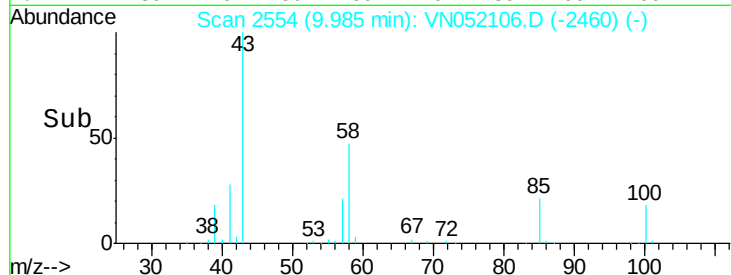
100000

50000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 19.415 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052106.D

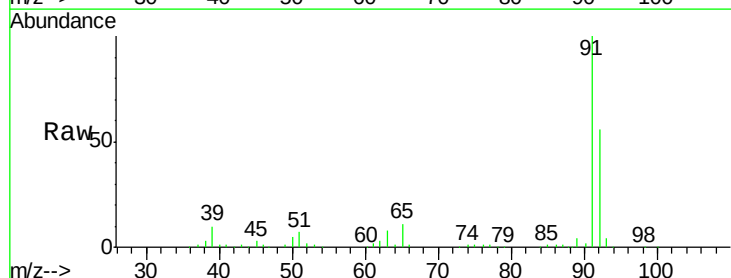
Acq: 1 Nov 2018 16:42

Tgt Ion: 92 Resp: 193518

Ion Ratio Lower Upper

92 100

91 178.9 143.9 215.9



Abundance Ion 92.00 (91.70 to 92.70): VN052058.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052058.D (-2591) (-)

200000

150000

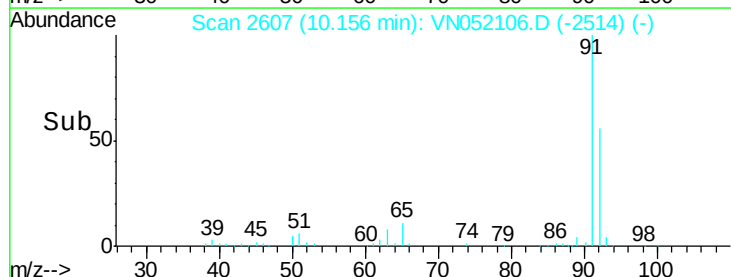
100000

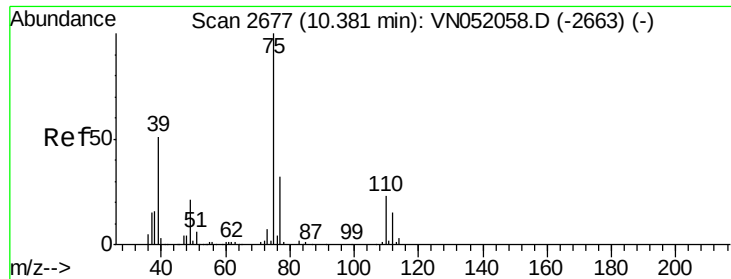
50000

0

10.10 10.15 10.16 10.20

Time-->





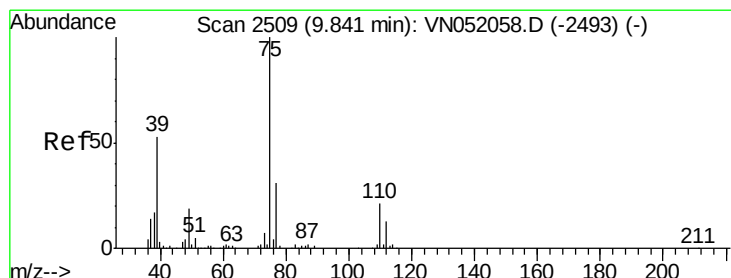
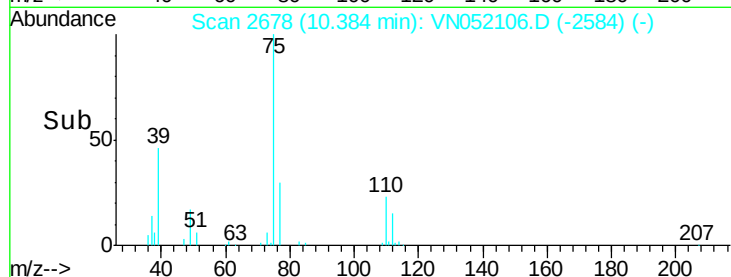
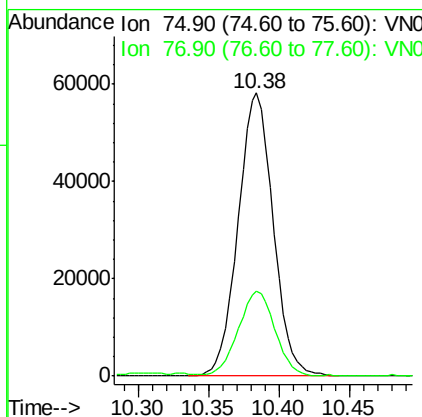
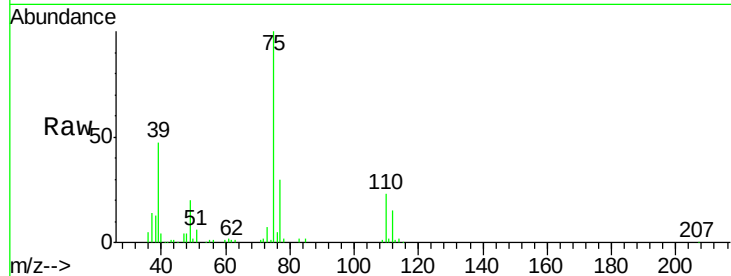
#53
t-1,3-Dichloropropene
Concen: 17.510 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion: 75 Resp: 101500
Ion Ratio Lower Upper
75 100
77 30.2 25.6 38.4

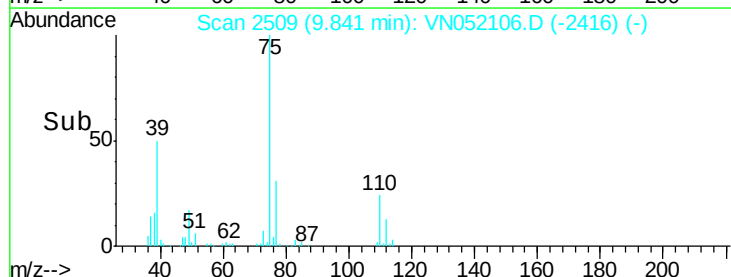
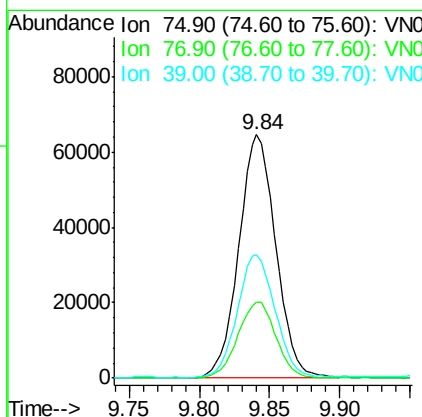
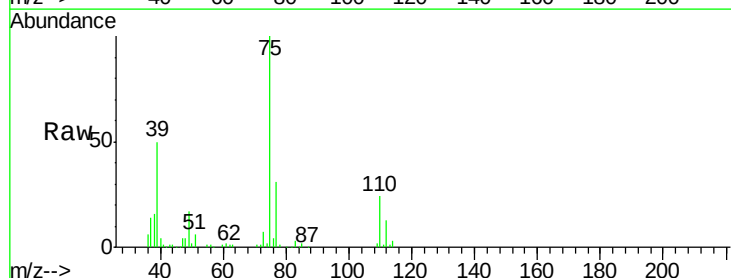
Manual Integrations
APPROVED

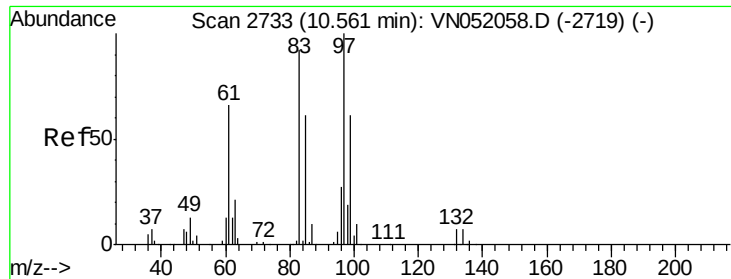
MMDadoda
11/2/2018 9:21:36 AM



#54
cis-1,3-Dichloropropene
Concen: 18.462 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Tgt Ion: 75 Resp: 118851
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.4
39 50.2 42.3 63.5





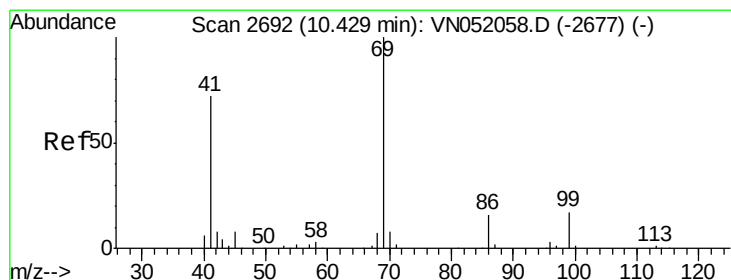
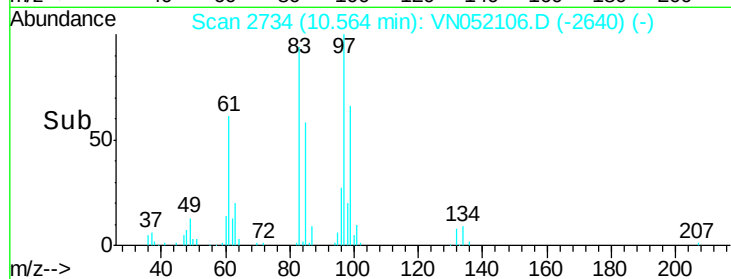
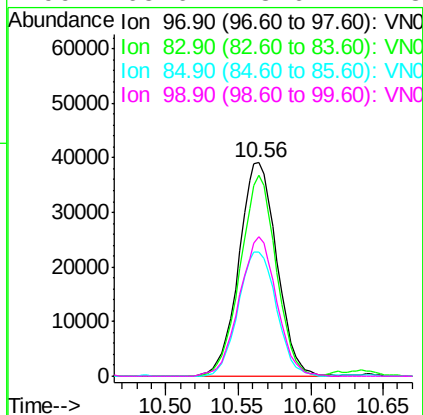
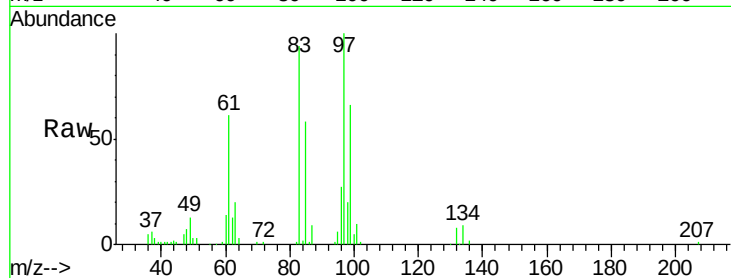
#55
 1,1,2-Trichloroethane
 Concen: 20.021 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	93.8	73.8	110.8
85	58.0	48.4	72.6
99	65.6	48.6	72.8

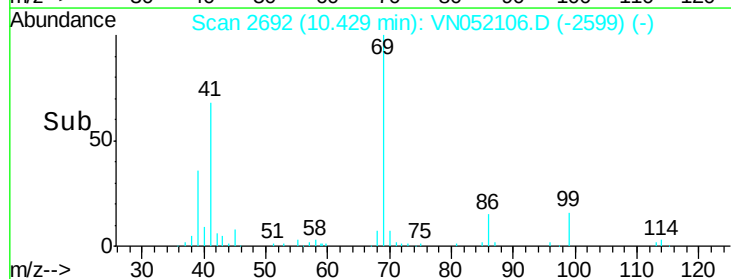
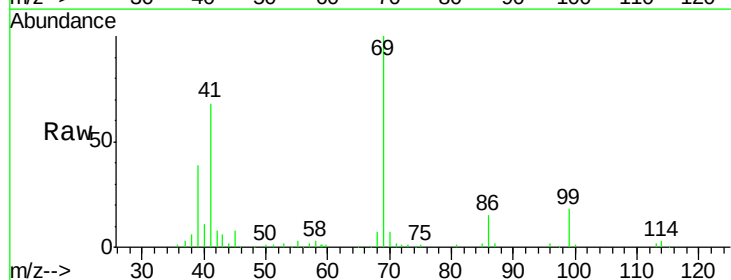
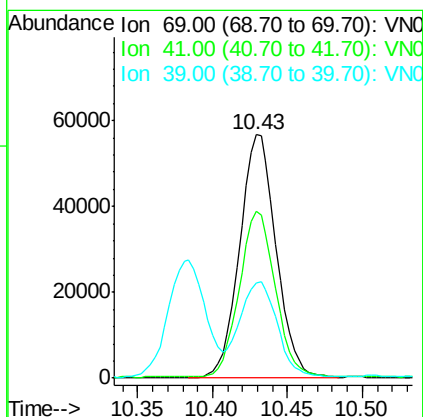
Manual Integrations
 APPROVED

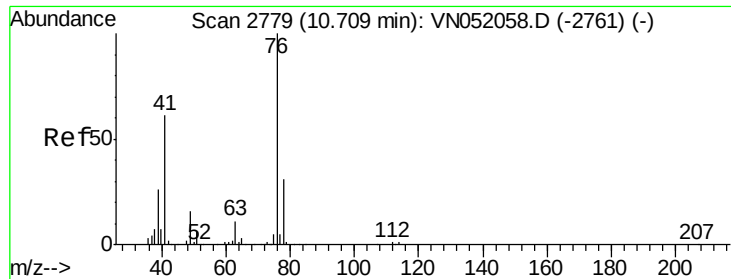
MMDadoda
 11/2/2018 9:21:36 AM



#56
 Ethyl methacrylate
 Concen: 19.034 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.8	55.5	83.3
39	40.3	33.0	49.4





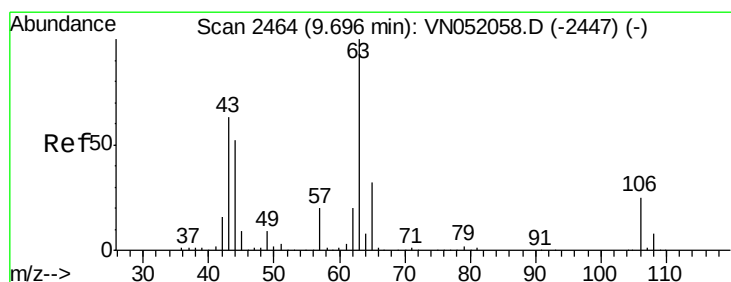
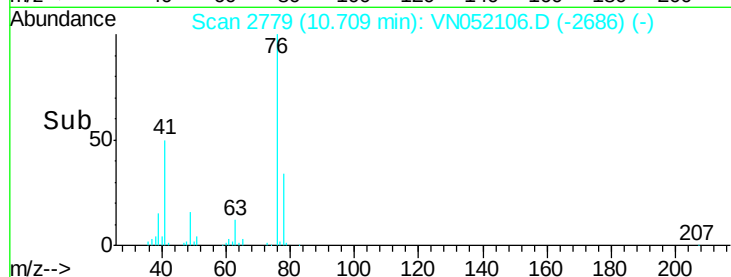
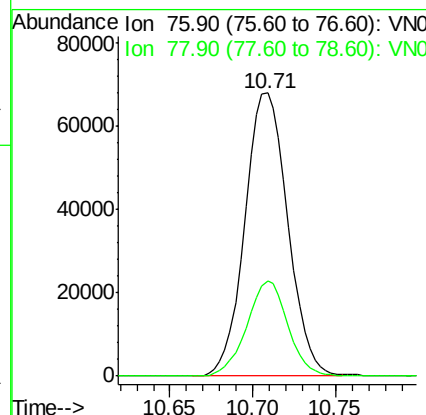
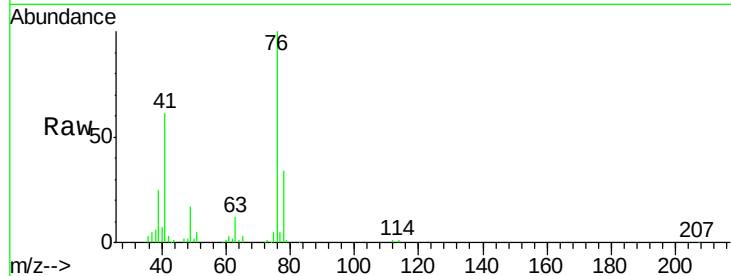
#57
 1,3-Dichloropropane
 Concen: 18.664 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS02

Tgt Ion: 76 Resp: 121916
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.4 38.0

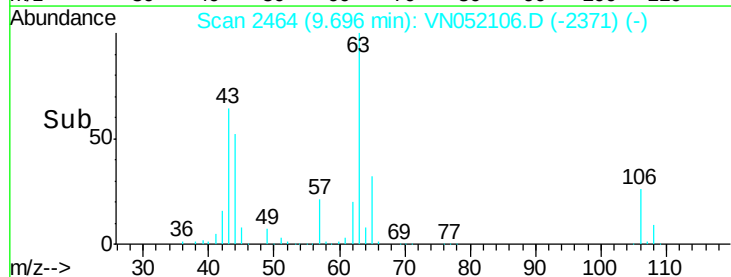
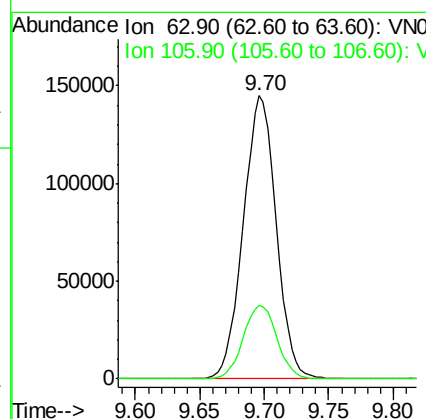
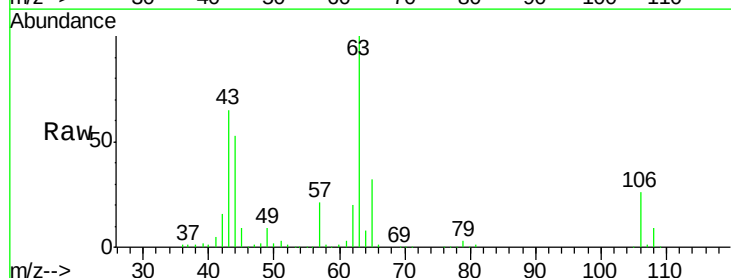
Manual Integrations
 APPROVED

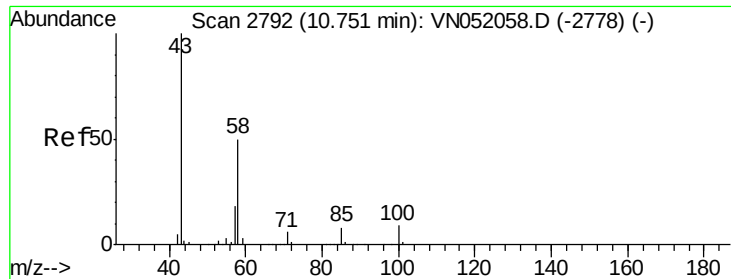
MMDadoda
 11/2/2018 9:21:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.316 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Tgt Ion: 63 Resp: 257469
 Ion Ratio Lower Upper
 63 100
 106 26.7 19.4 29.2





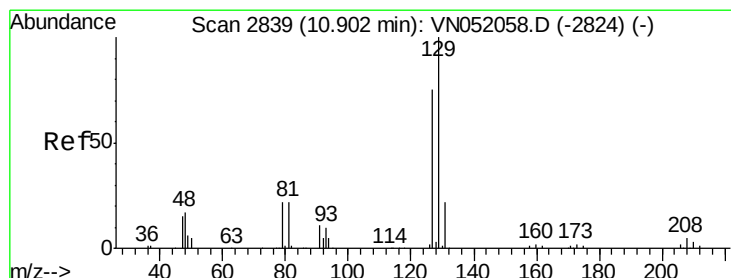
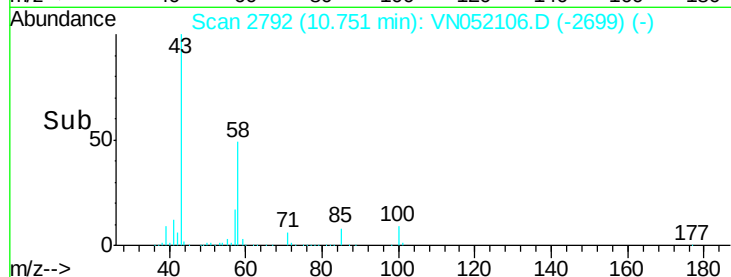
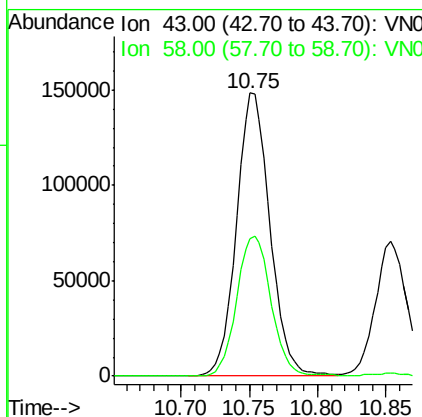
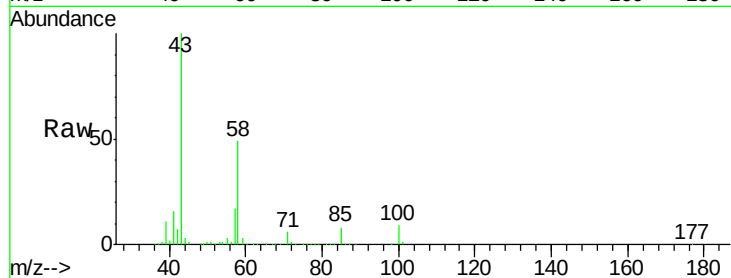
#59
2-Hexanone
Concen: 95.680 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion: 43 Resp: 251855
Ion Ratio Lower Upper
43 100
58 50.8 25.2 75.6

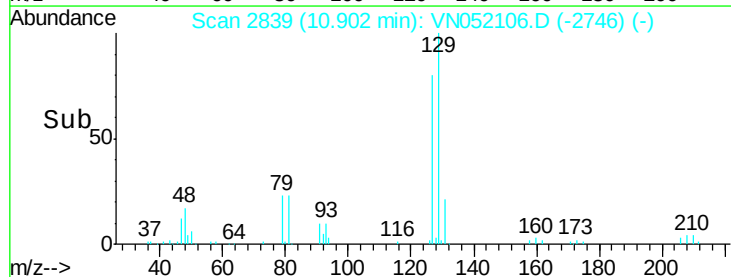
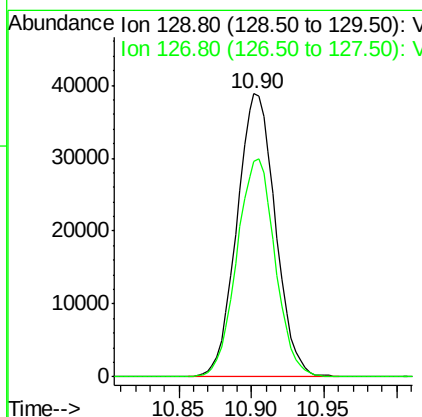
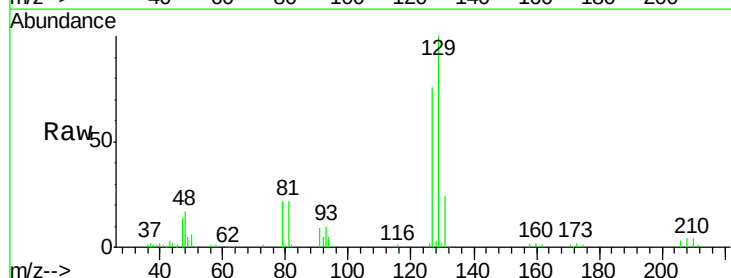
Manual Integrations
APPROVED

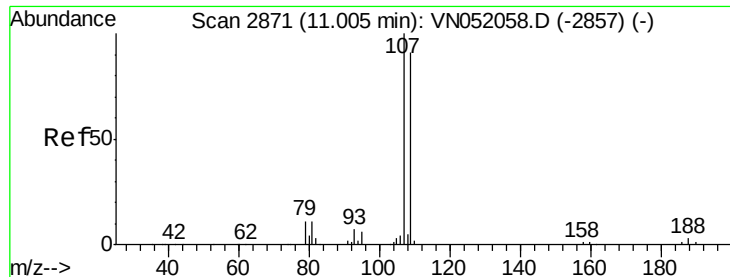
MMDadoda
11/2/2018 9:21:36 AM



#60
Dibromochloromethane
Concen: 20.430 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Tgt Ion: 129 Resp: 71403
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.038 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 107 Resp: 70719

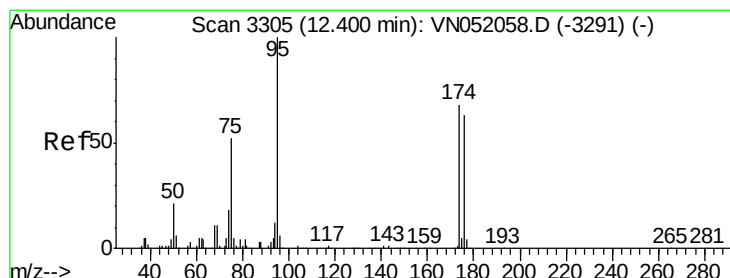
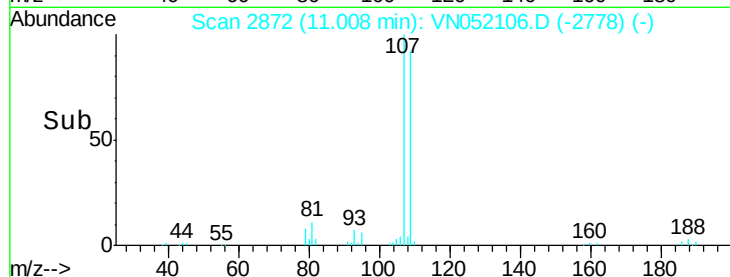
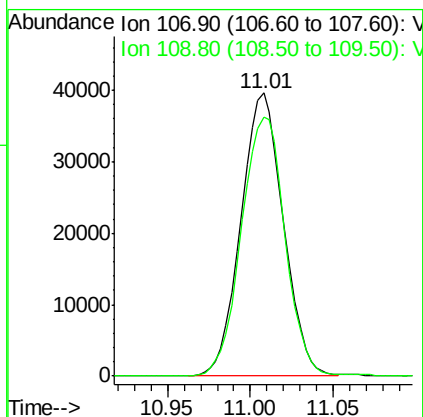
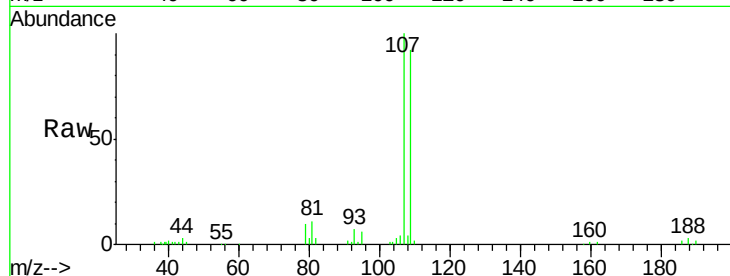
Ion Ratio Lower Upper

107 100

109 94.1 75.1 112.7

Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:21:36 AM



#62

4-Bromofluorobenzene

Concen: 20.038 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

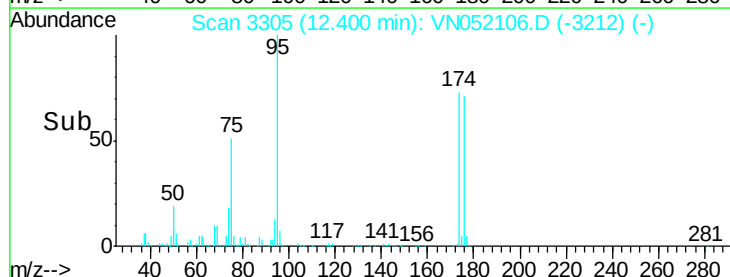
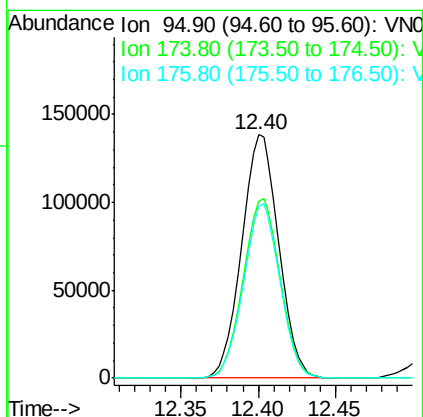
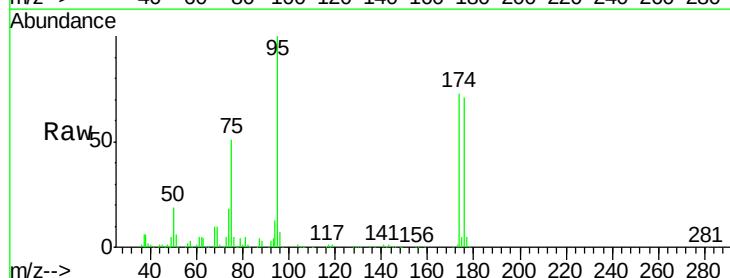
Tgt Ion: 95 Resp: 229968

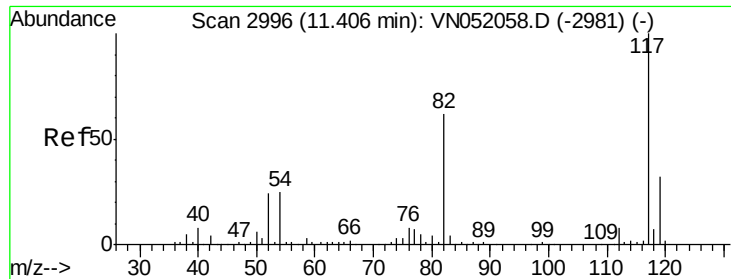
Ion Ratio Lower Upper

95 100

174 74.0 0.0 131.8

176 70.8 0.0 126.0





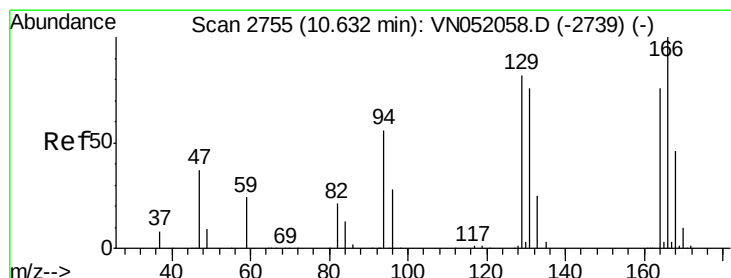
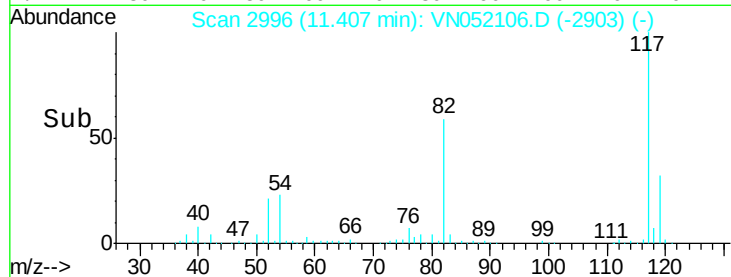
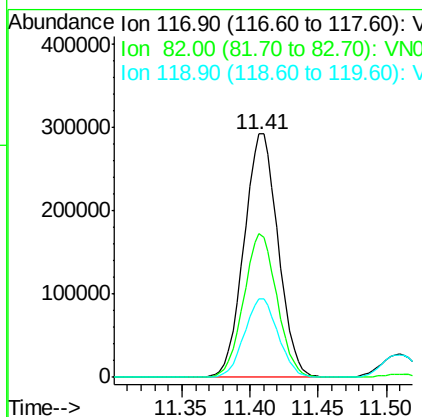
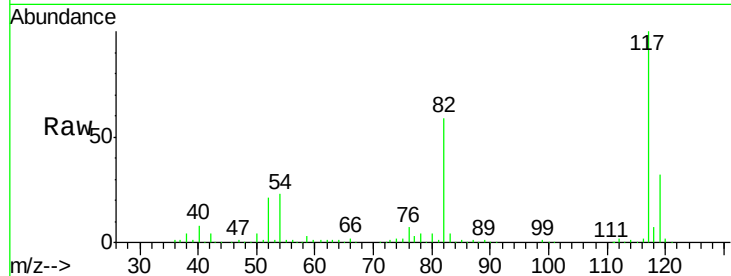
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.1	49.9	74.9
119	32.1	25.7	38.5

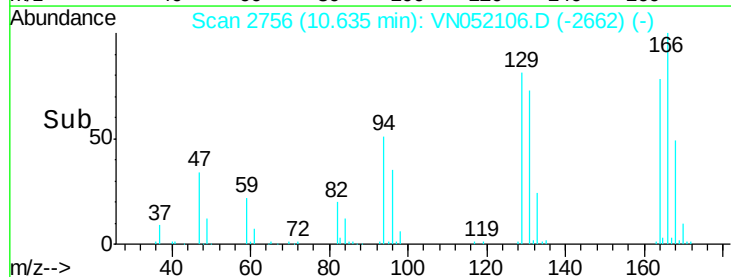
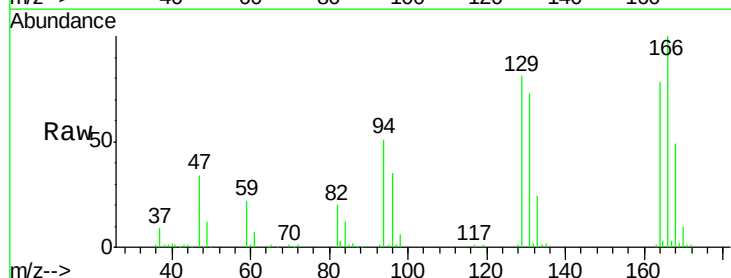
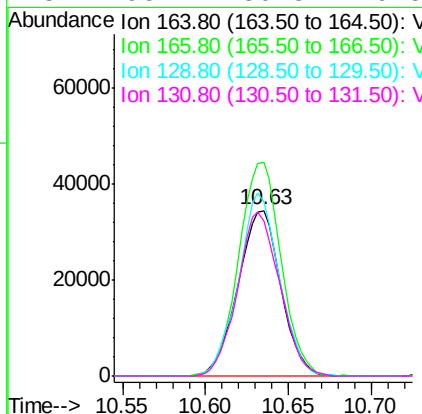
Manual Integrations
APPROVED

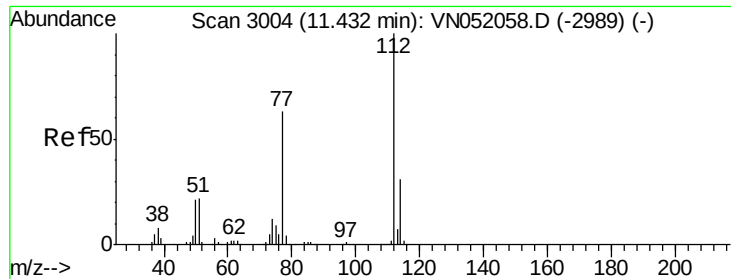
MMDadoda
11/2/2018 9:21:36 AM



#64
Tetrachloroethene
Concen: 20.103 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	105.4	158.0
129	105.0	86.1	129.1
131	93.7	80.3	120.5





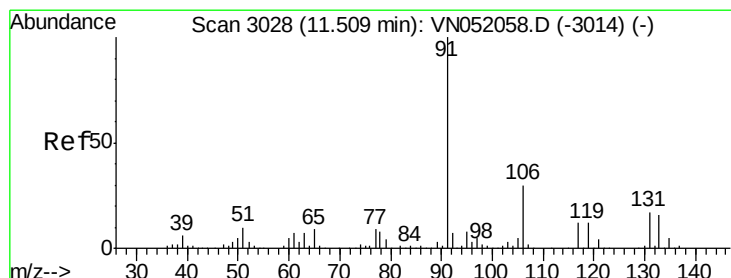
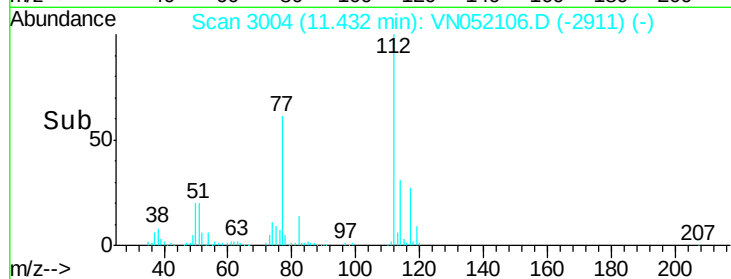
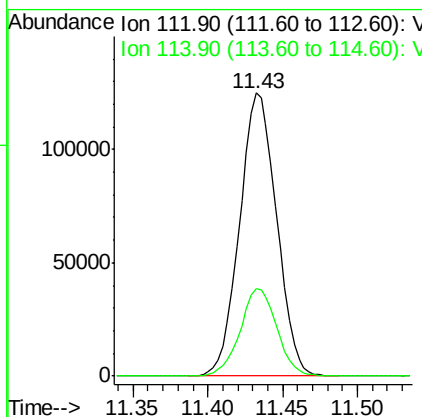
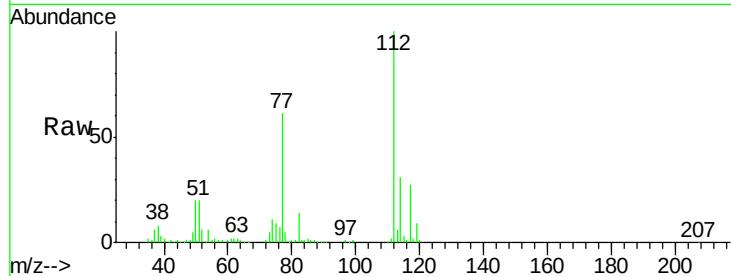
#65
Chlorobenzene
Concen: 20.149 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Instrument :
MSVOA_N
ClientSampled :
VN1101WBS02

Tgt Ion:112 Resp: 215317
Ion Ratio Lower Upper
112 100
114 30.9 25.1 37.7

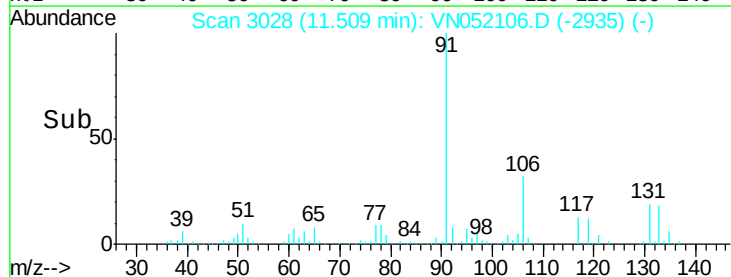
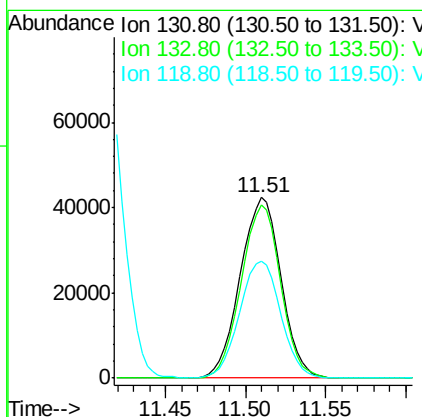
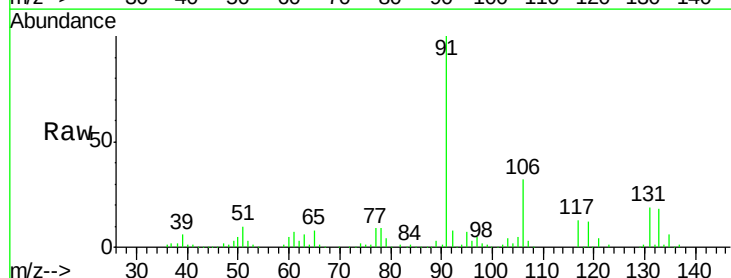
Manual Integrations
APPROVED

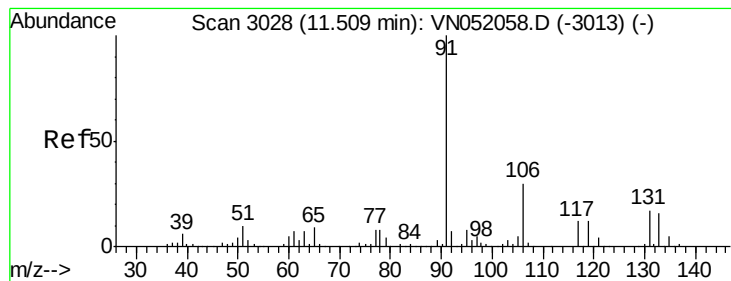
MMDadoda
11/2/2018 9:21:36 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.038 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Tgt Ion:131 Resp: 73950
Ion Ratio Lower Upper
131 100
133 92.1 47.6 142.9
119 65.1 34.4 103.2





#67

Ethyl Benzene

Concen: 19.618 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 91 Resp: 373869

Ion Ratio Lower Upper

91 100

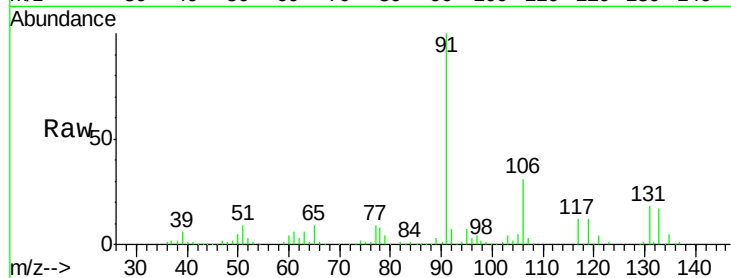
106 31.4 24.1 36.1

Manual Integrations

APPROVED

MMDadoda

11/2/2018 9:21:36 AM



Abundance Ion 91.00 (90.70 to 91.70): VN052058.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN052058.D (-3013) (-)

300000

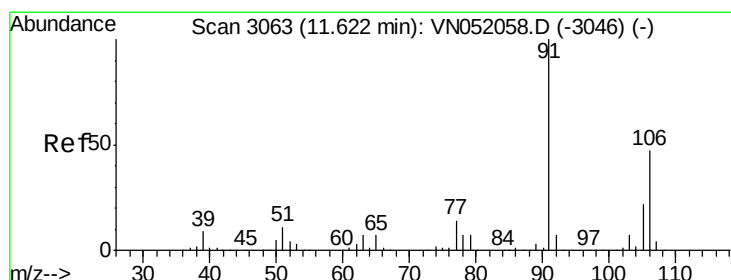
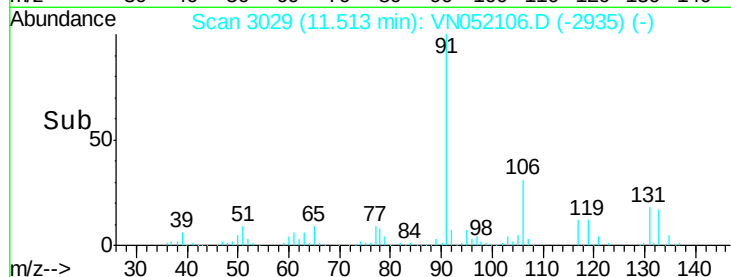
200000

100000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 41.209 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052106.D

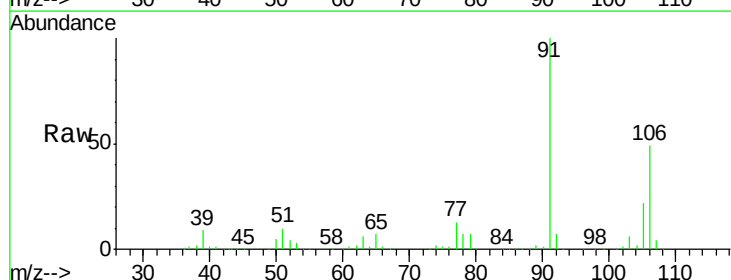
Acq: 1 Nov 2018 16:42

Tgt Ion: 106 Resp: 281096

Ion Ratio Lower Upper

106 100

91 204.4 168.7 253.1



Abundance Ion 106.00 (105.70 to 106.70): VN052058.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN052058.D (-3046) (-)

300000

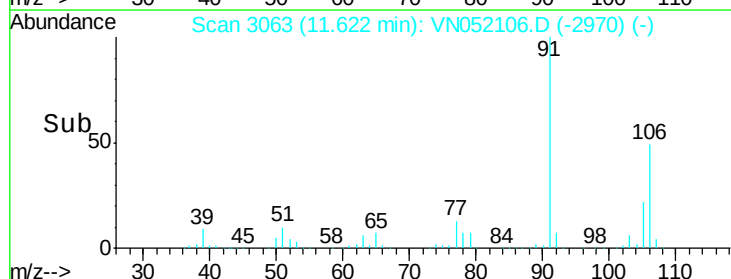
200000

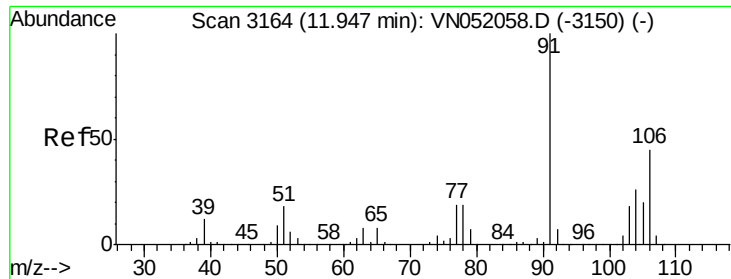
100000

0

11.55 11.60 11.65 11.70

Time-->





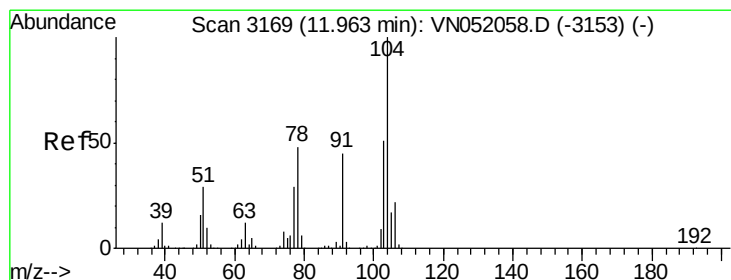
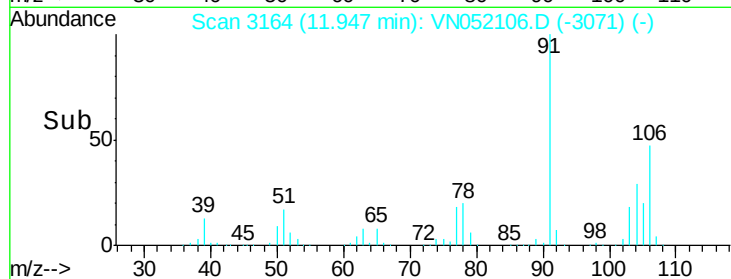
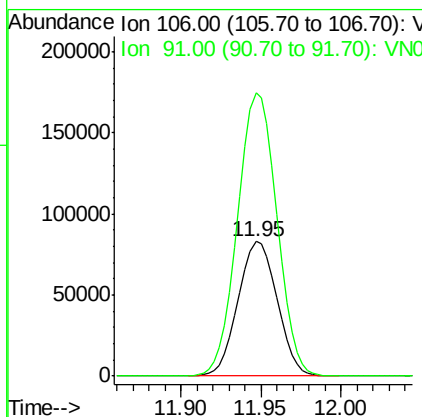
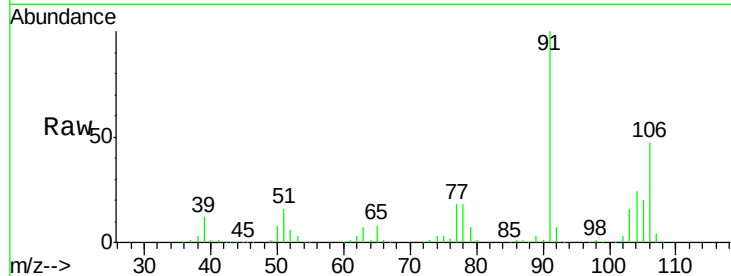
#69
o-Xylene
Concen: 20.506 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion:106 Resp: 138409
Ion Ratio Lower Upper
106 100
91 211.7 109.6 328.6

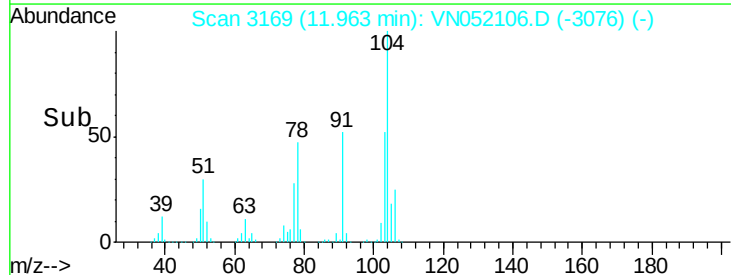
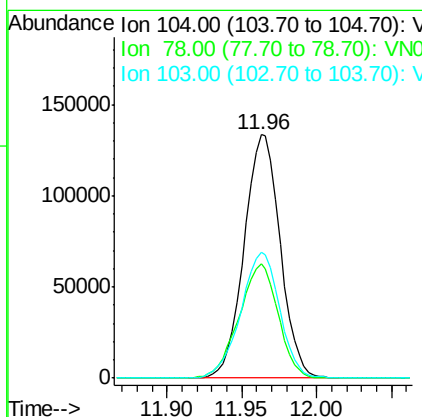
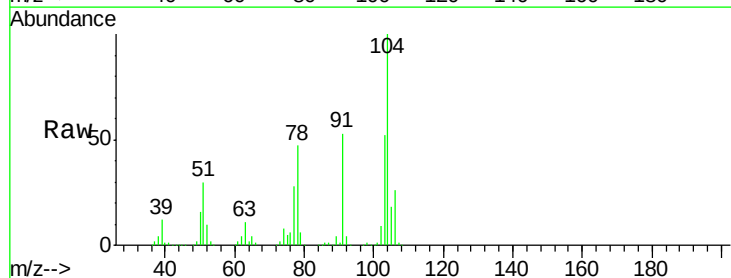
Manual Integrations
APPROVED

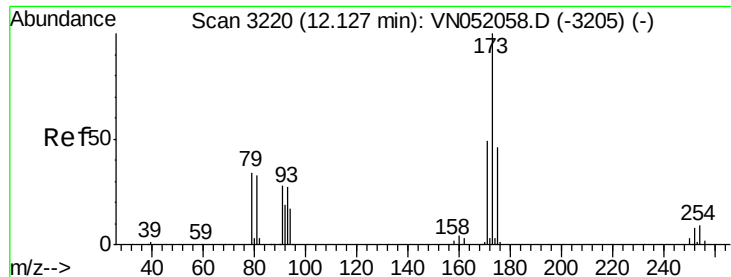
MMDadoda
11/2/2018 9:21:36 AM



#70
Styrene
Concen: 20.477 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Tgt Ion:104 Resp: 223630
Ion Ratio Lower Upper
104 100
78 51.2 43.0 64.6
103 55.9 45.1 67.7





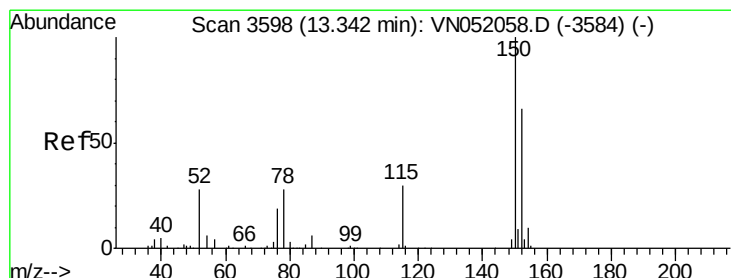
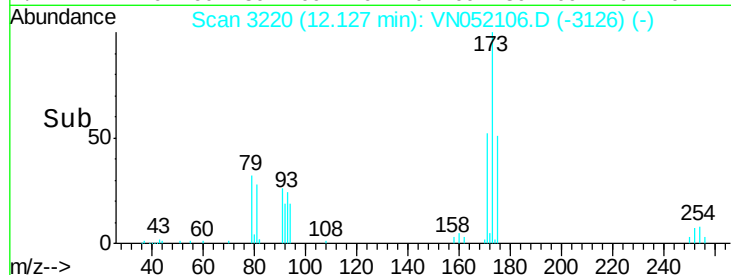
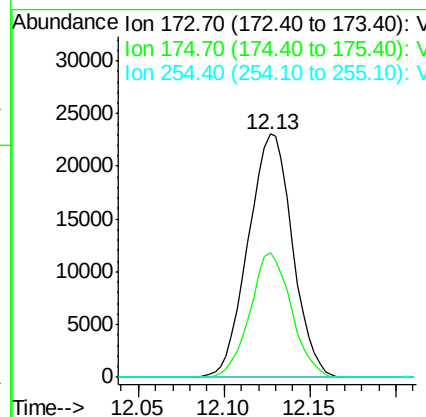
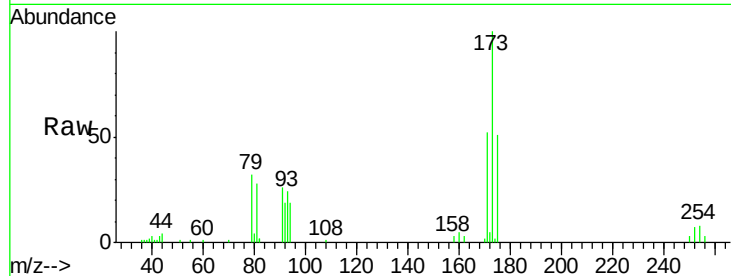
#71
Bromoform
Concen: 20.415 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.9	71.7
254	0.0	0.0	0.0

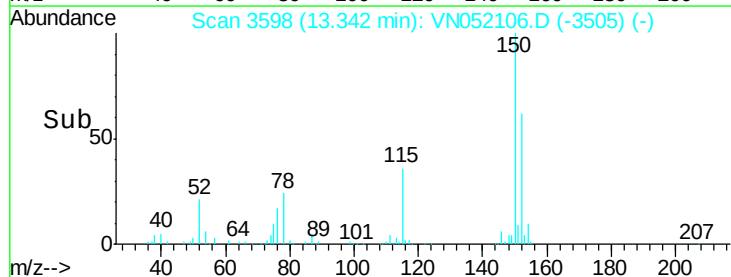
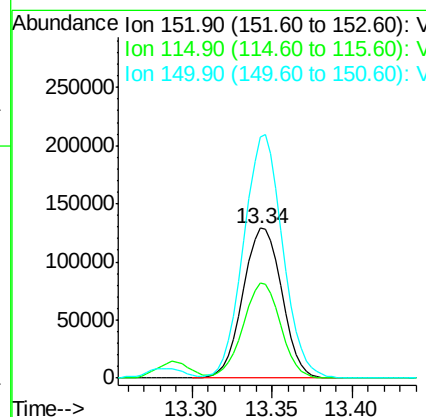
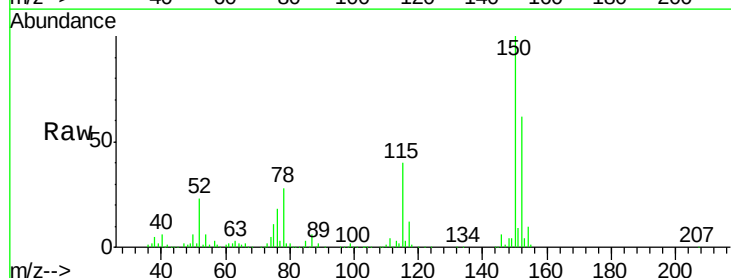
Manual Integrations
APPROVED

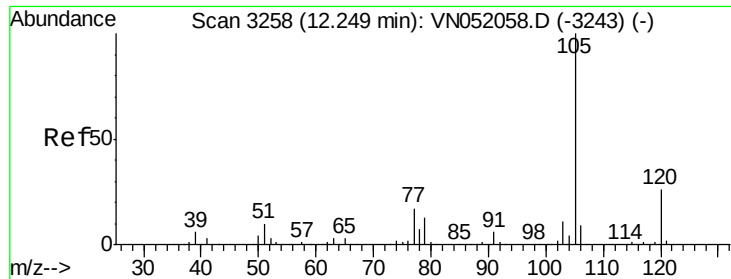
MMDadoda
11/2/2018 9:21:36 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052106.D
Acq: 1 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	31.6	95.0
150	163.6	0.0	345.0





#73

Isopropylbenzene

Concen: 19.391 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Instrument :

MSVOA_N

ClientSampled :

VN1101WBS02

Tgt Ion: 105 Resp: 354770

Ion Ratio Lower Upper

105 100

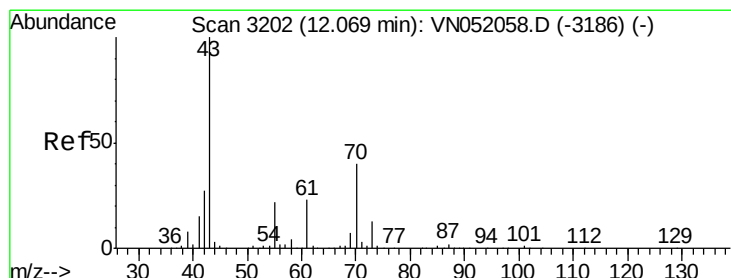
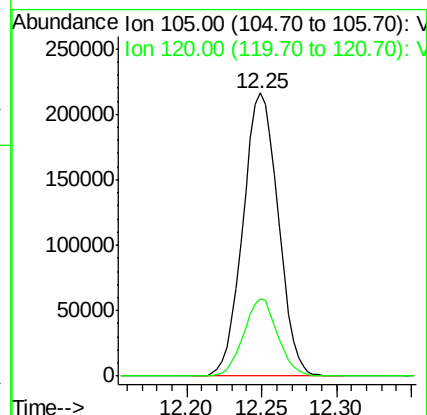
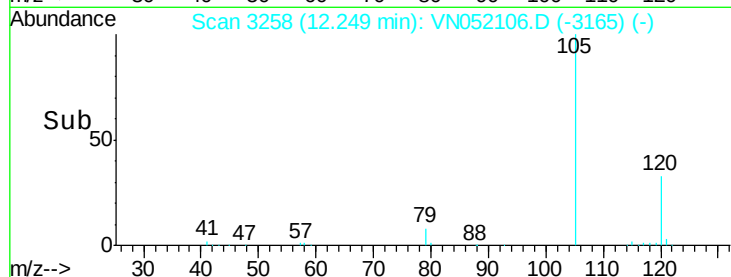
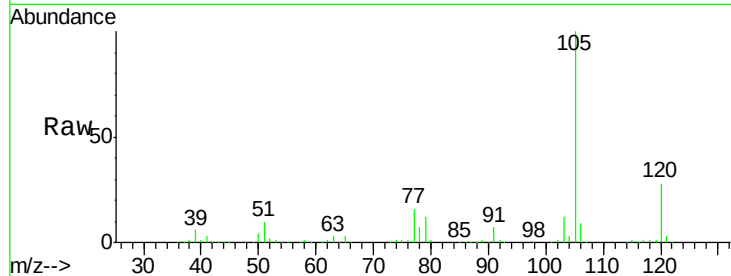
120 26.3 12.8 38.4

Manual Integrations

APPROVED

MMDadoda

11/2/2018 9:21:36 AM



#74

N-ethyl acetate

Concen: 18.867 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Tgt Ion: 43 Resp: 120468

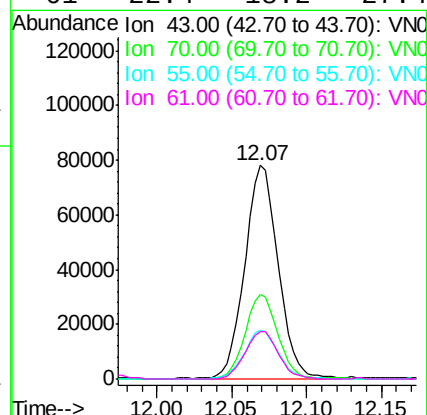
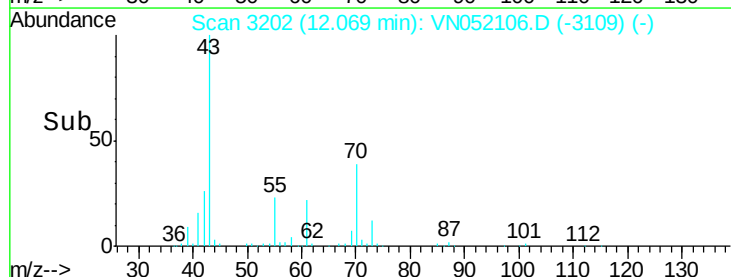
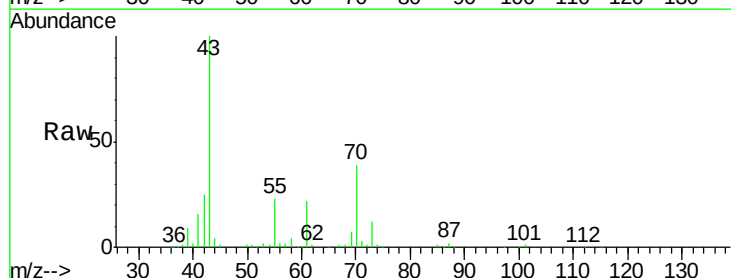
Ion Ratio Lower Upper

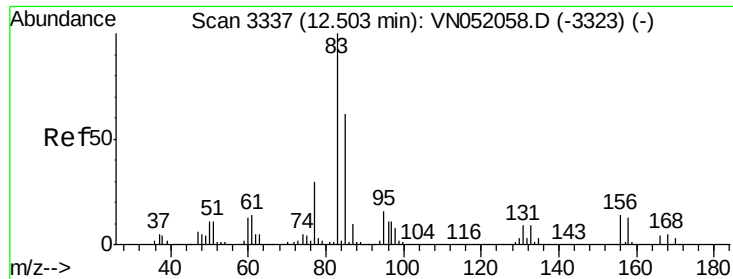
43 100

70 38.8 31.9 47.9

55 23.7 18.4 27.6

61 22.4 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.652 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Instrument :

MSVOA_N

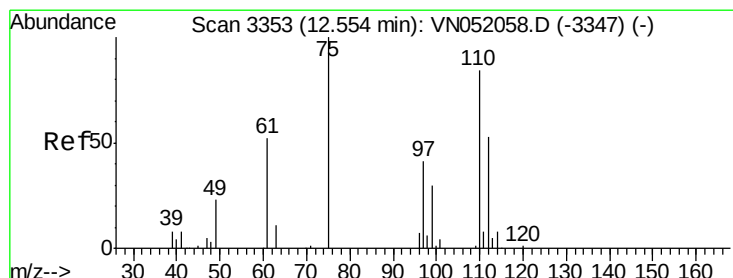
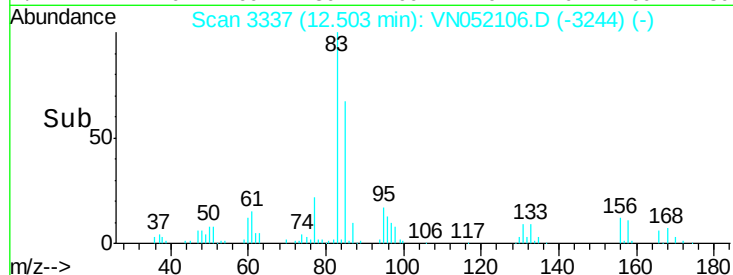
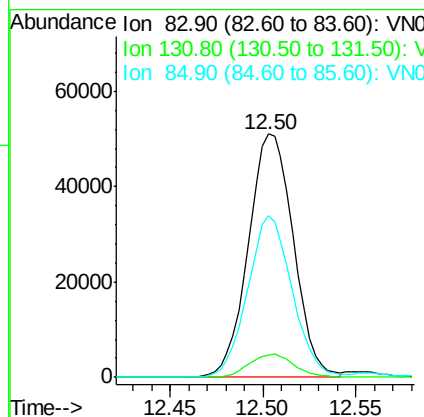
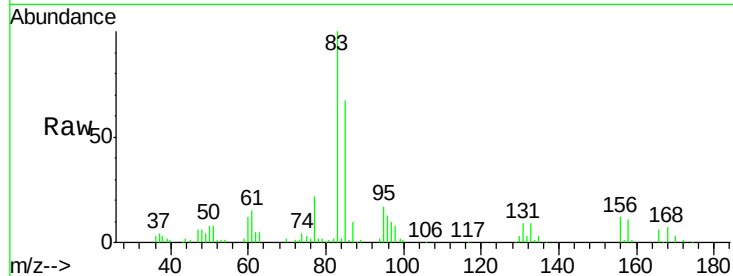
ClientSampleId :

VN1101WBS02

Tgt Ion:	83	Resp:	86215
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.5	13.4
85	65.5	31.3	93.9

Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:21:36 AM



#76

1,2,3-Trichloropropane

Concen: 18.422 ug/l m

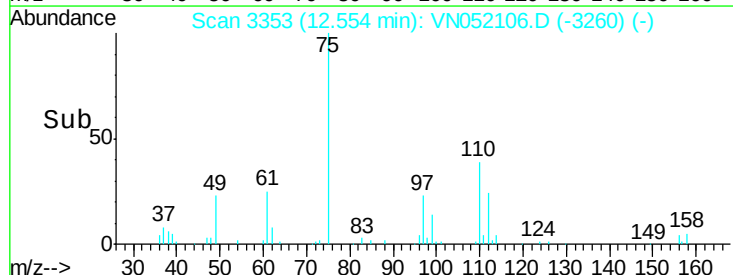
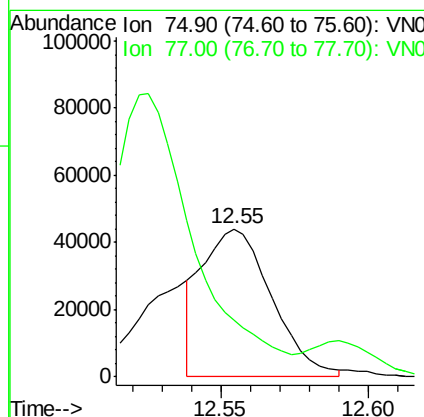
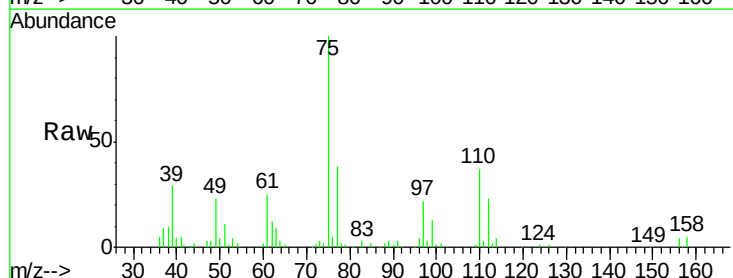
RT: 12.55 min Scan# 3353

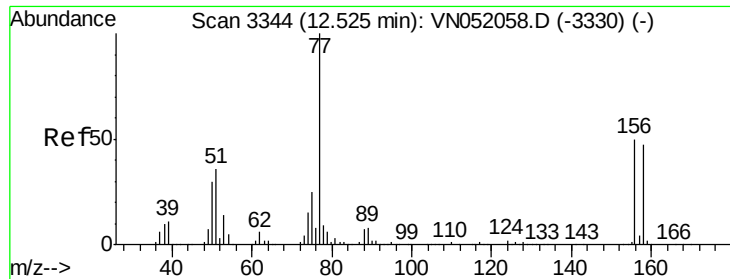
Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Tgt Ion:	75	Resp:	72148
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.346 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Instrument :

MSVOA_N

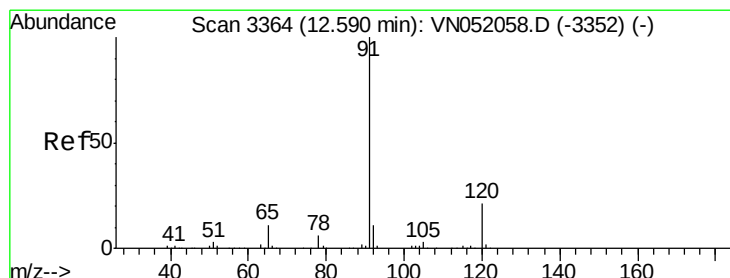
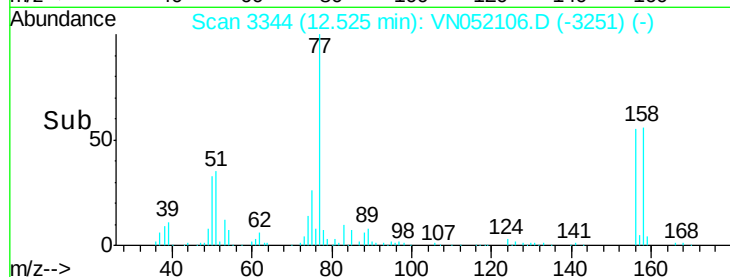
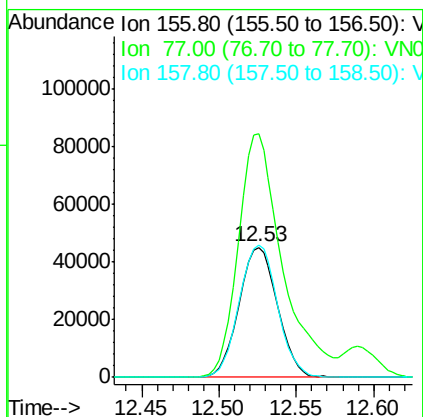
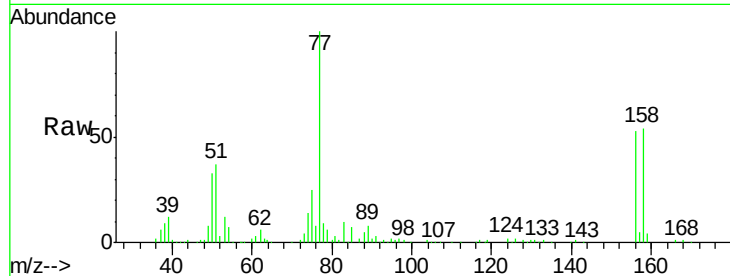
ClientSampled :

VN1101WBS02

Tgt Ion	Ratio	Lower	Upper
156	100		
77	214.6	119.6	358.6
158	101.4	47.8	143.4

Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:21:36 AM



#78

n-propylbenzene

Concen: 18.611 ug/l

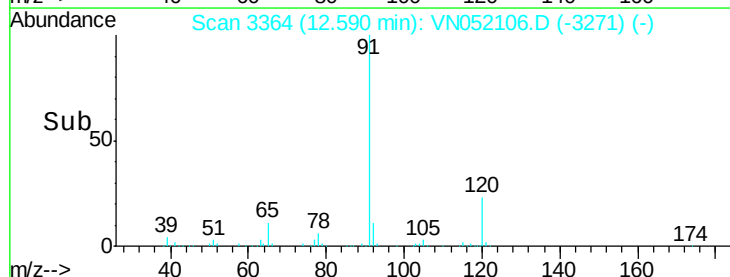
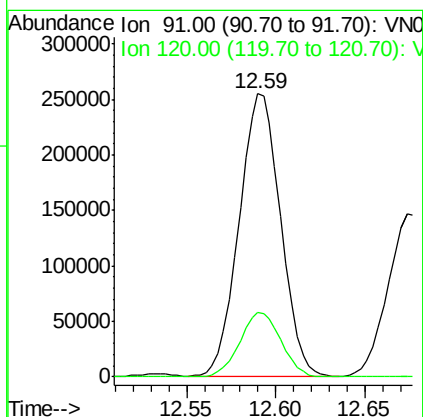
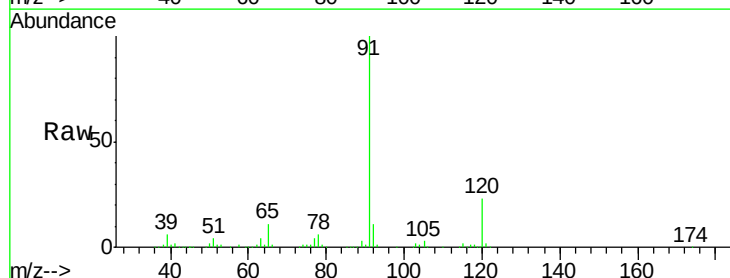
RT: 12.59 min Scan# 3364

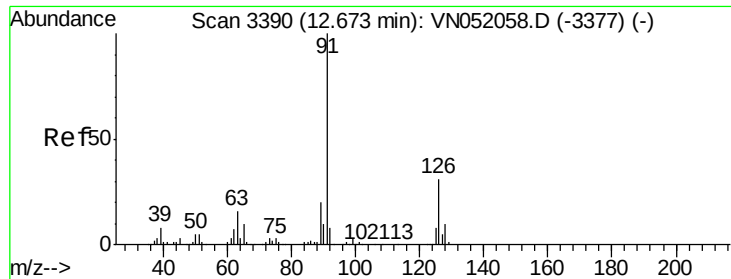
Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	10.8	32.4





#79

2-Chlorotoluene

Concen: 18.820 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 91 Resp: 243225

Ion Ratio Lower Upper

91 100

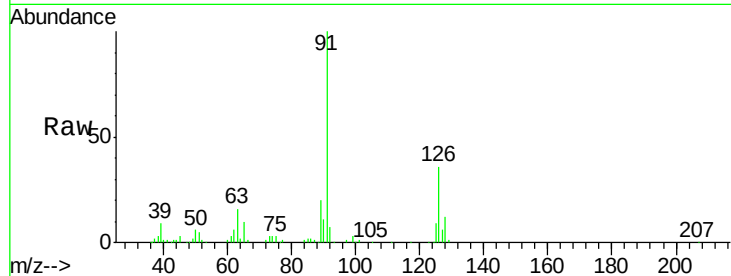
126 35.2 15.9 47.6

Manual Integrations

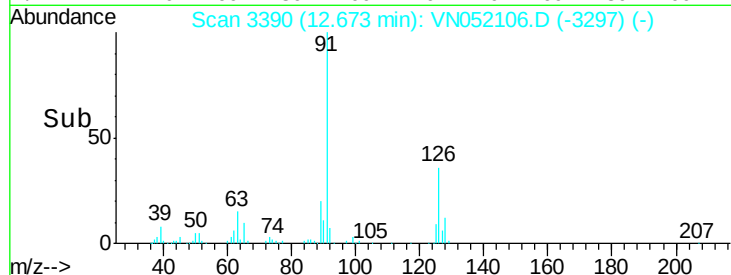
APPROVED

MMDadoda

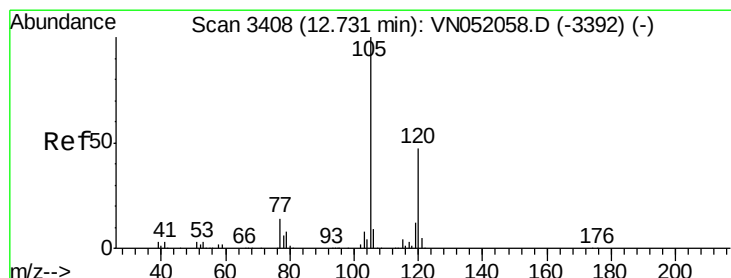
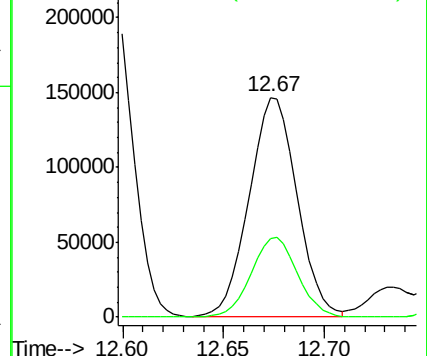
11/2/2018 9:21:36 AM



Abundance Ion 91.00 (90.70 to 91.70): VN052106.D (-3297) (-)



Ion 125.90 (125.60 to 126.60): VN052106.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.296 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052106.D

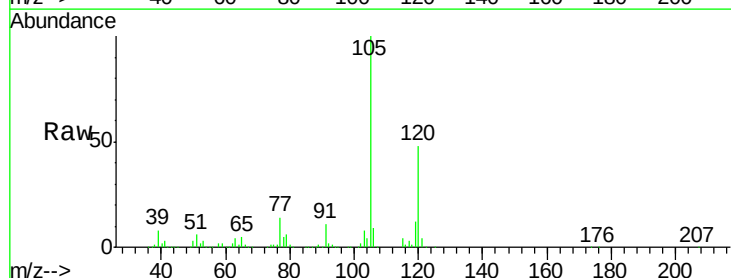
Acq: 1 Nov 2018 16:42

Tgt Ion: 105 Resp: 287284

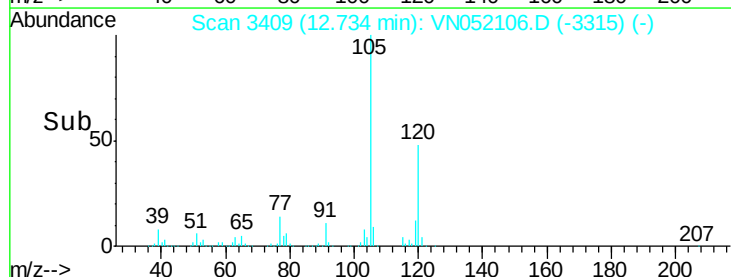
Ion Ratio Lower Upper

105 100

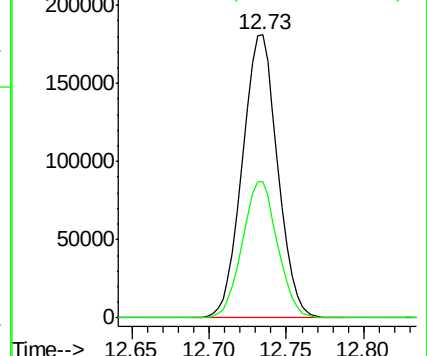
120 48.0 23.4 70.0

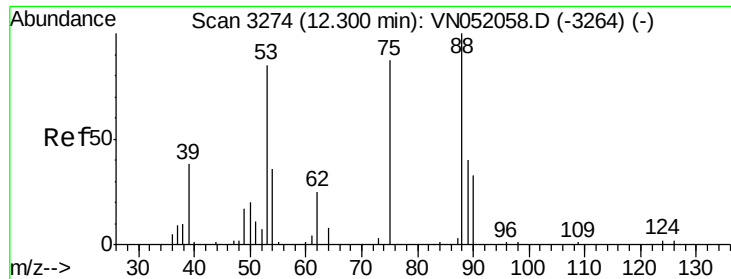


Abundance Ion 105.00 (104.70 to 105.70): VN052106.D (-3315) (-)



Ion 120.00 (119.70 to 120.70): VN052106.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.849 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Instrument :

MSVOA_N

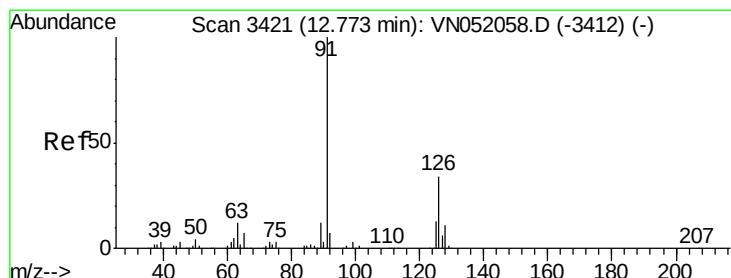
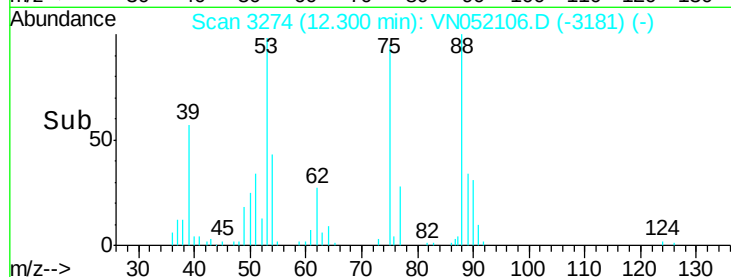
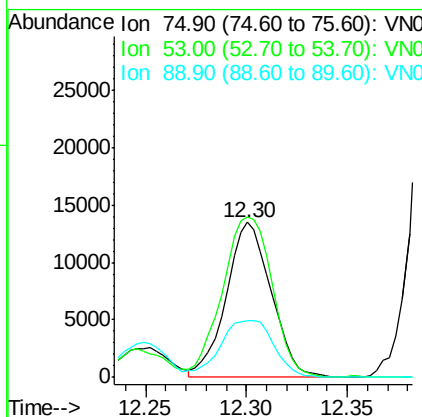
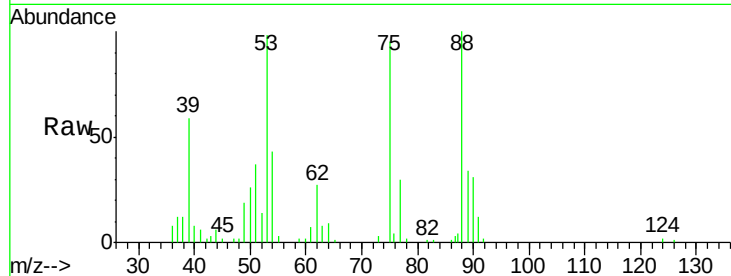
ClientSampleId :

VN1101WBS02

Tgt Ion:	75	Resp:	21061
Ion Ratio	Lower	Upper	
75	100		
53	115.2	81.8	122.6
89	43.0	36.6	54.8

Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:21:36 AM



#82

4-Chlorotoluene

Concen: 18.540 ug/l

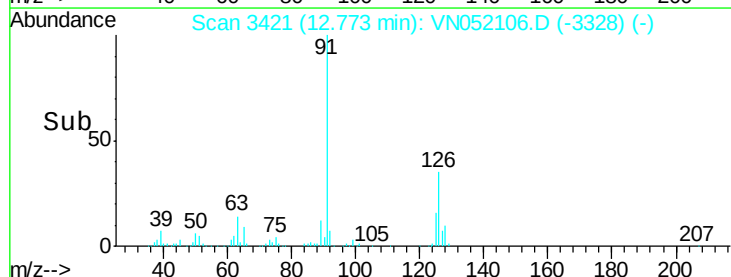
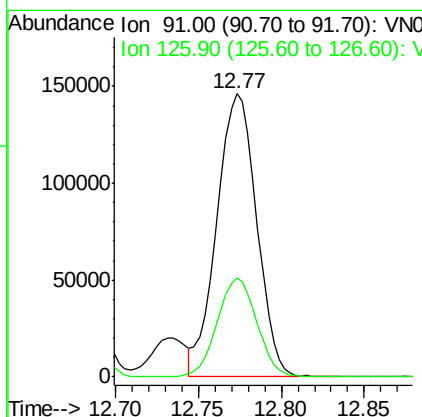
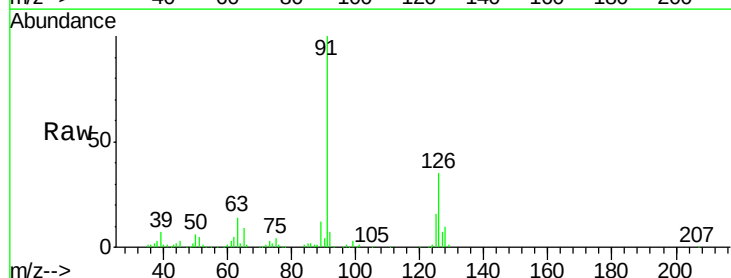
RT: 12.77 min Scan# 3421

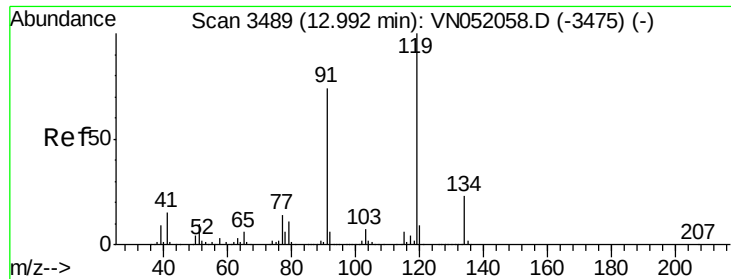
Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Tgt Ion:	91	Resp:	244326
Ion Ratio	Lower	Upper	
91	100		
126	34.6	15.7	47.1





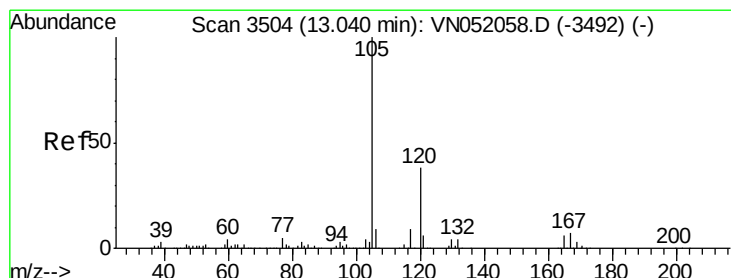
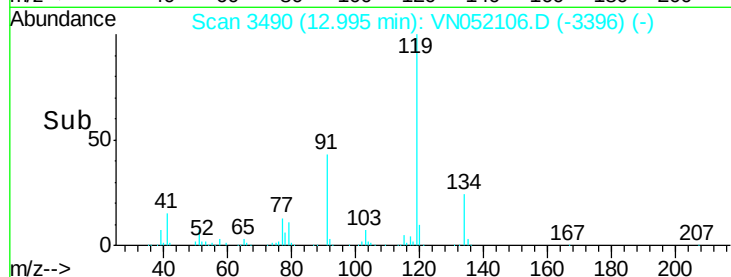
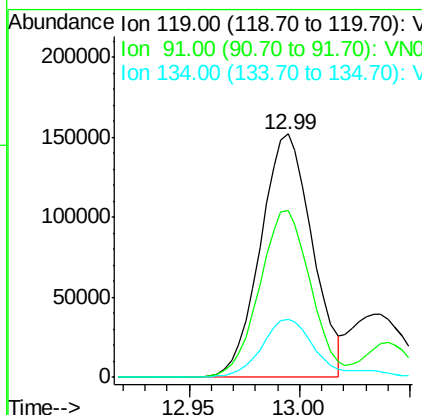
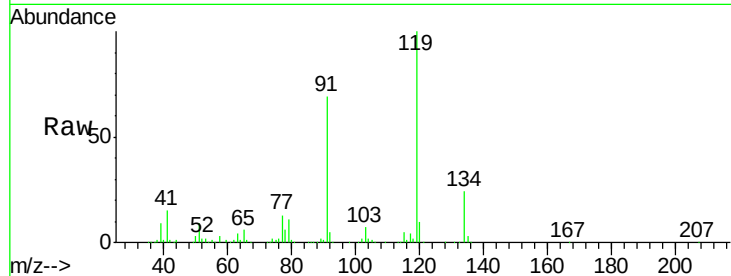
#83
 tert-Butylbenzene
 Concen: 19.770 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.6	36.6	109.9
134	24.0	12.5	37.5

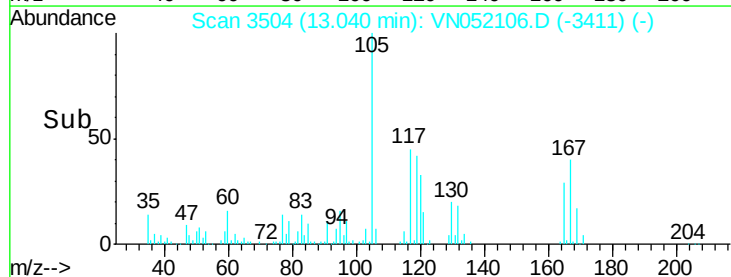
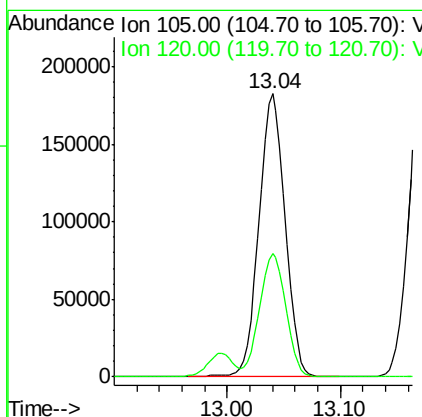
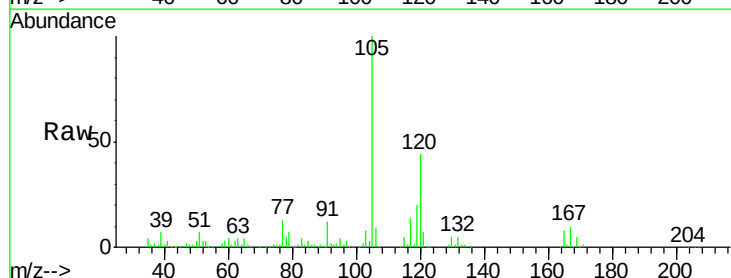
Manual Integrations
 APPROVED

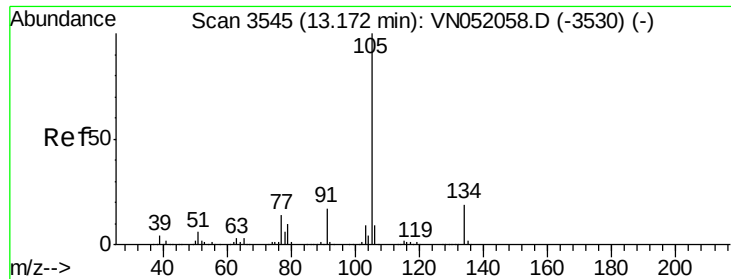
MMDadoda
 11/2/2018 9:21:36 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.787 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.9	65.5





#85

sec-Butylbenzene

Concen: 18.869 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion:105 Resp: 337102

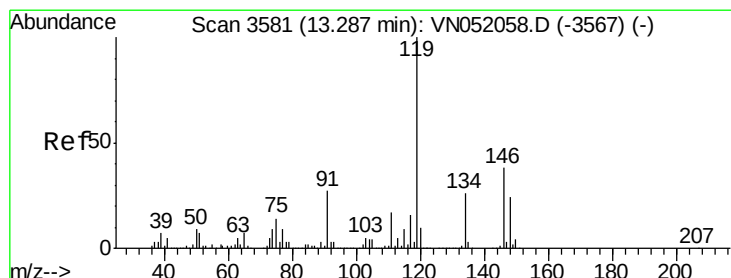
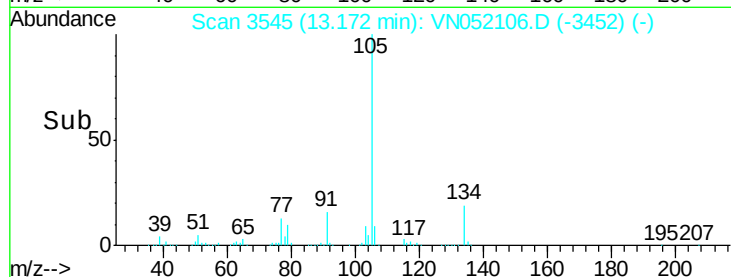
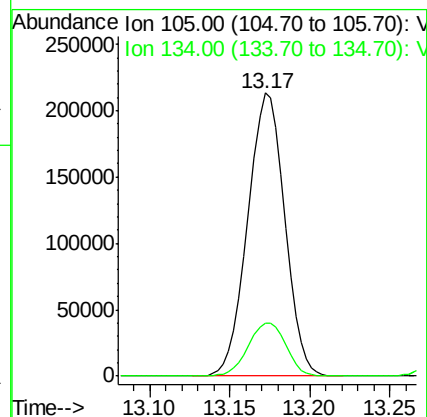
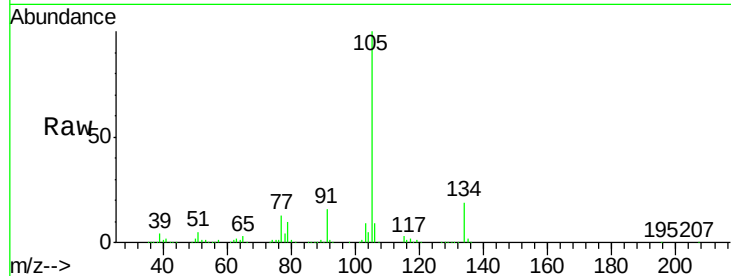
Ion Ratio Lower Upper

105 100

134 19.2 9.1 27.3

Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:21:36 AM



#86

p-Isopropyltoluene

Concen: 19.575 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

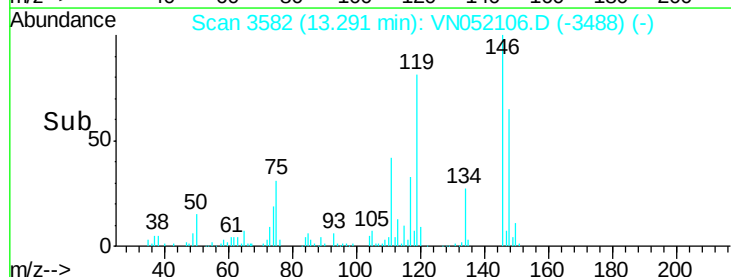
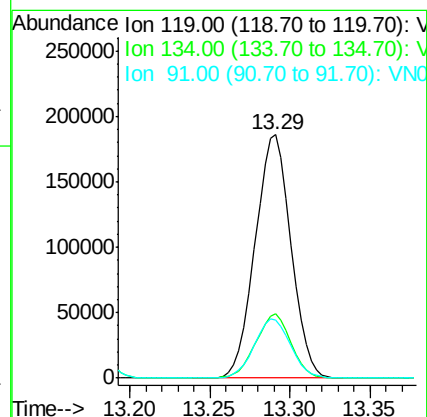
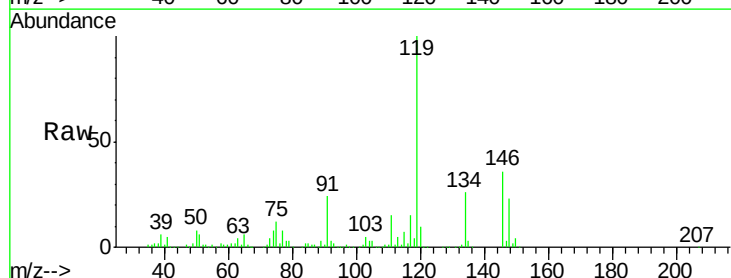
Tgt Ion:119 Resp: 284814

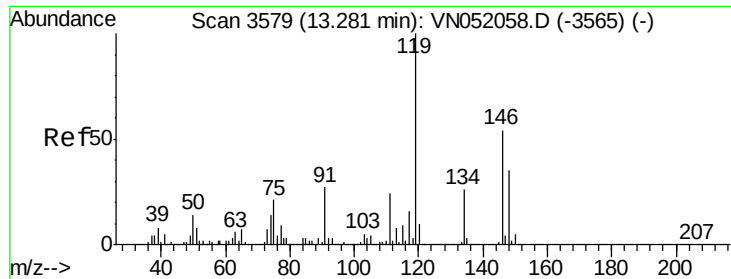
Ion Ratio Lower Upper

119 100

134 26.2 12.8 38.3

91 24.7 13.4 40.2





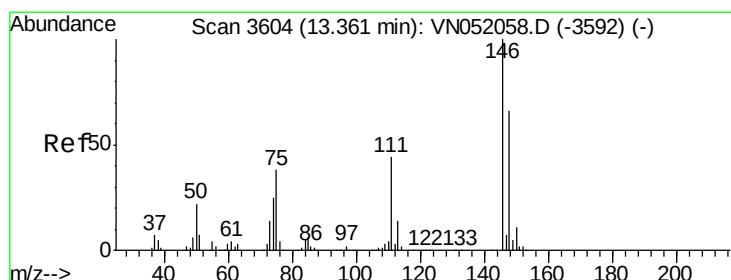
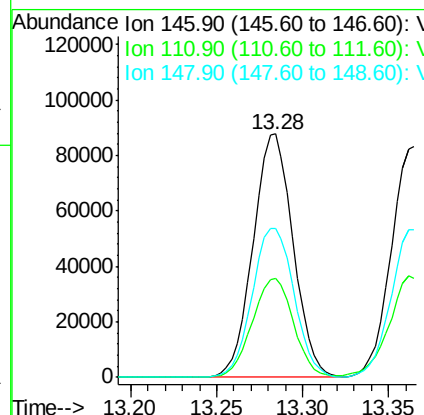
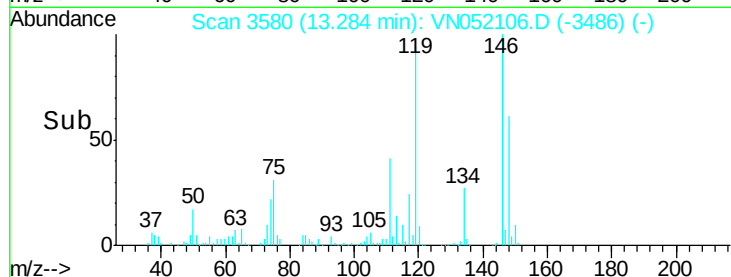
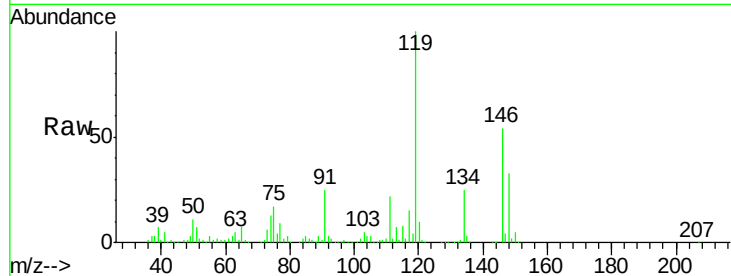
#87
 1,3-Dichlorobenzene
 Concen: 20.335 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	22.9	68.8
148	63.8	31.8	95.4

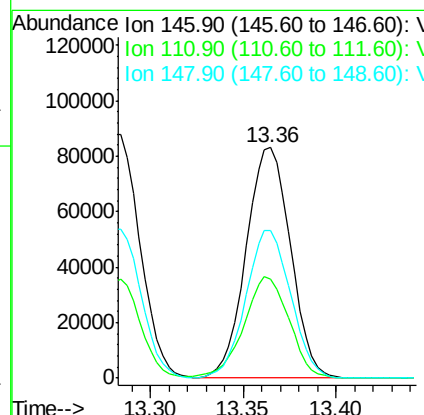
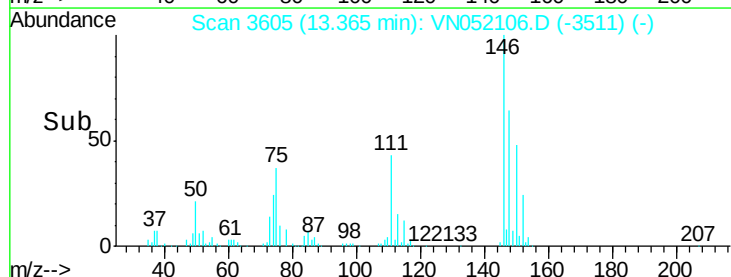
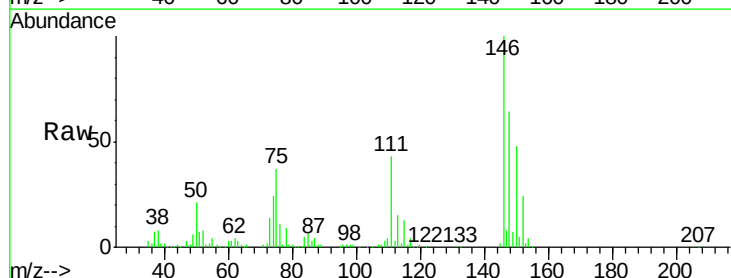
Manual Integrations
 APPROVED

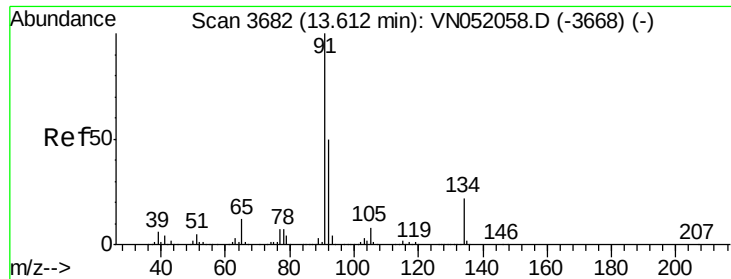
MMDadoda
 11/2/2018 9:21:36 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.778 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.8	21.9	65.8
148	64.3	32.6	98.0





#89

n-Butylbenzene

Concen: 16.870 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Instrument :

MSVOA_N

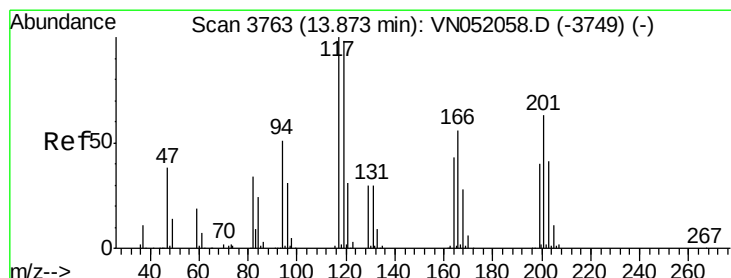
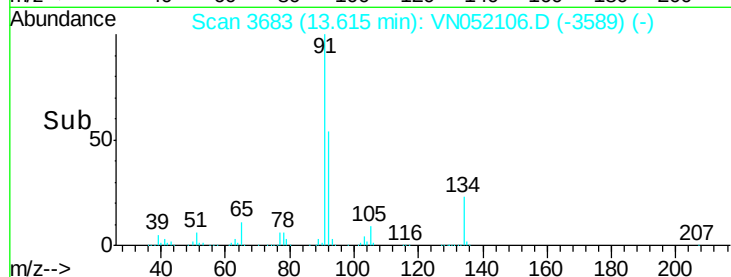
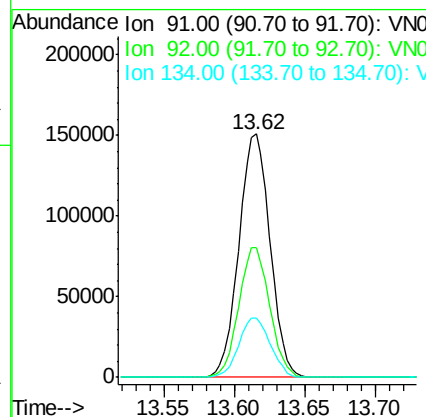
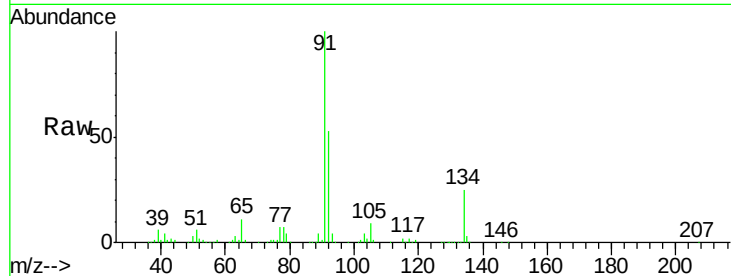
ClientSampleId :

VN1101WBS02

Tgt Ion:	91	Resp:	234089
Ion Ratio	Lower	Upper	
91	100		
92	52.9	25.3	75.8
134	24.9	11.2	33.5

Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:21:36 AM



#90

Hexachloroethane

Concen: 18.395 ug/l

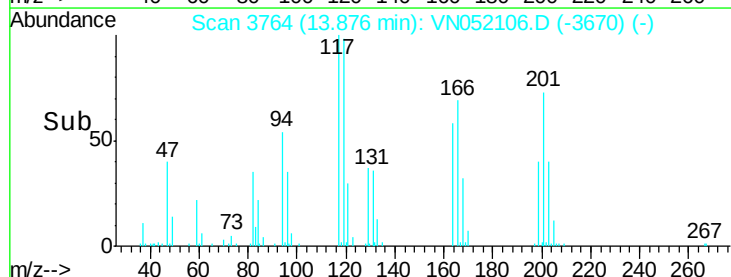
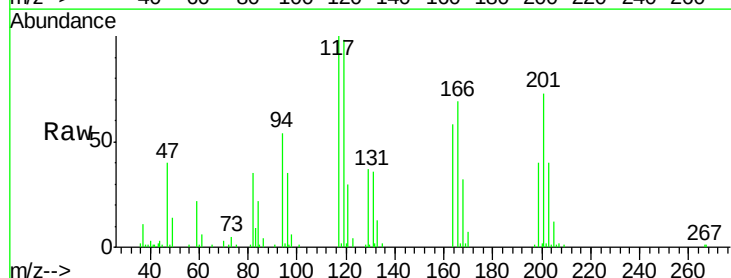
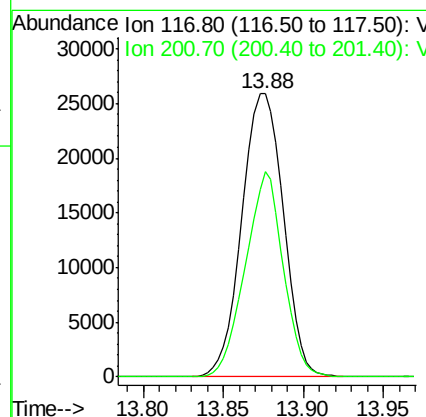
RT: 13.88 min Scan# 3764

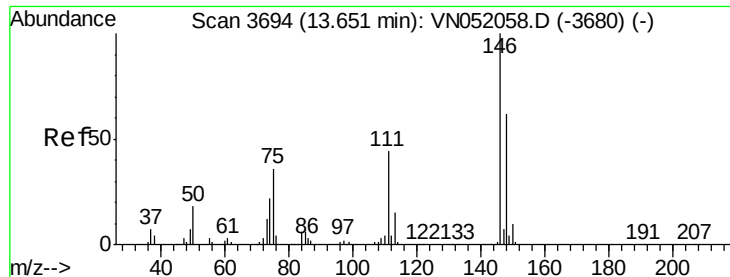
Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Tgt Ion:	117	Resp:	45868
Ion Ratio	Lower	Upper	
117	100		
201	66.1	31.1	93.5





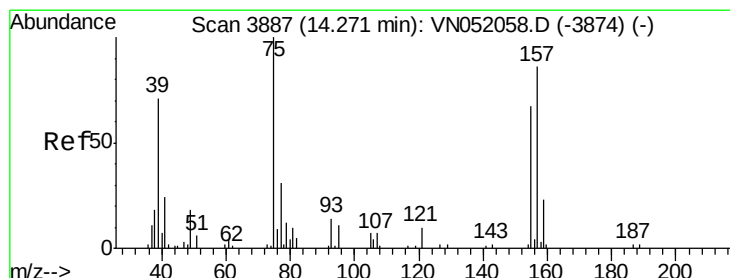
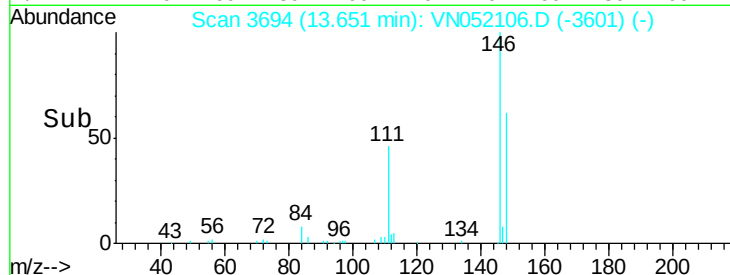
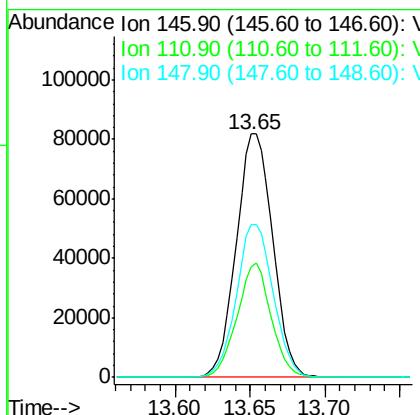
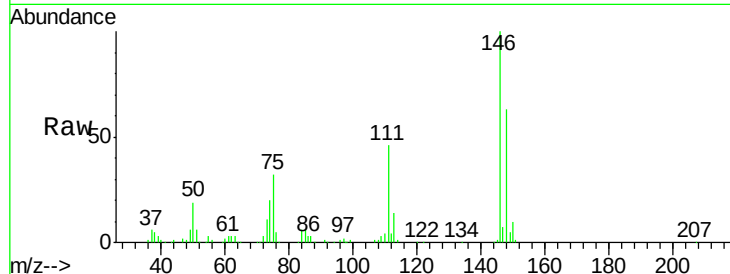
#91
 1,2-Dichlorobenzene
 Concen: 21.199 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	139140		
111	43.8	22.5	67.5	
148	63.1	30.9	92.8	

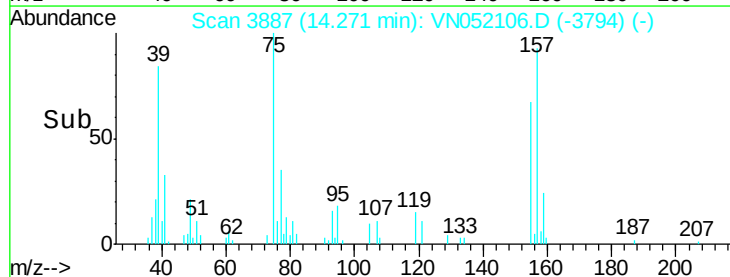
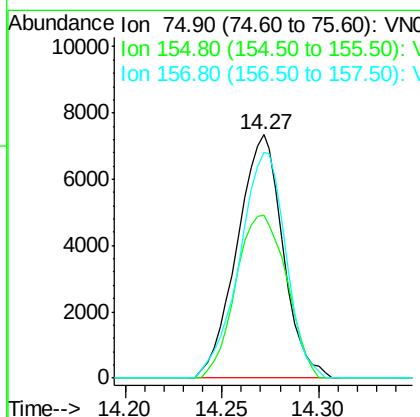
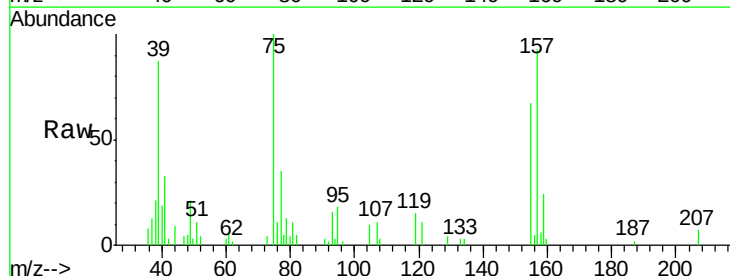
Manual Integrations
 APPROVED

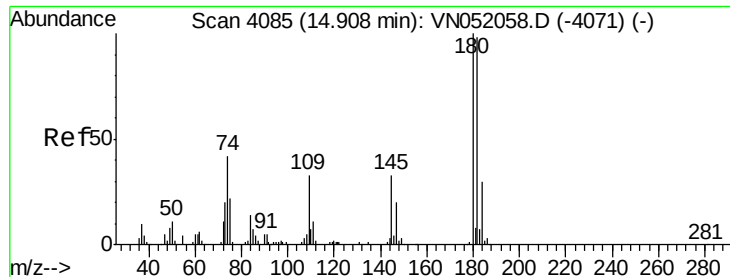
MMDadoda
 11/2/2018 9:21:36 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.736 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	12122		
155	74.1	34.0	102.0	
157	93.4	42.1	126.4	





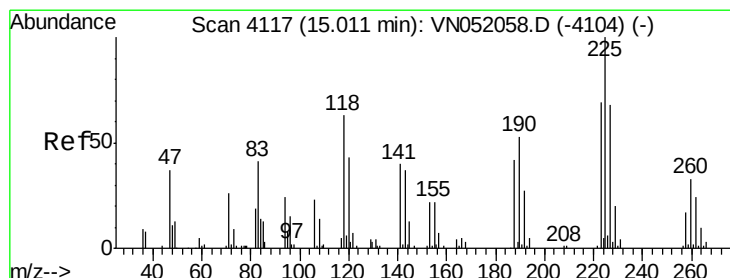
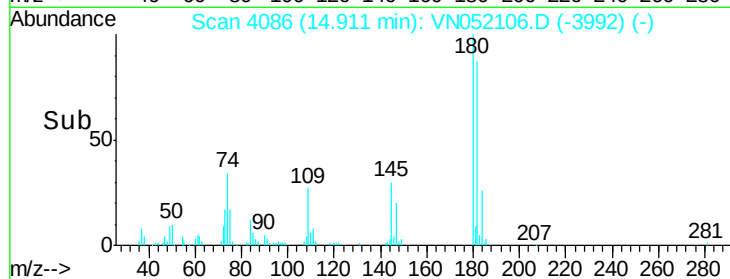
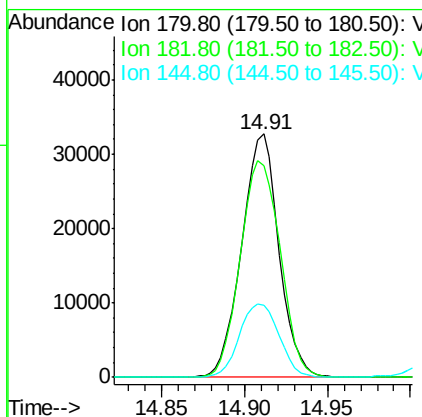
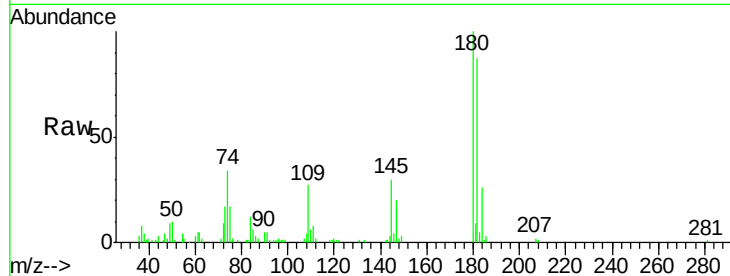
#93
 1,2,4-Trichlorobenzene
 Concen: 20.936 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	49.1	147.4
145	32.1	16.4	49.2

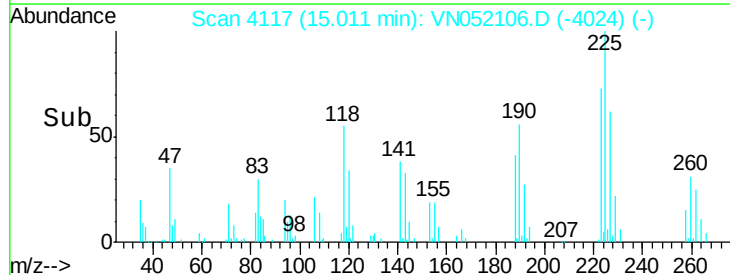
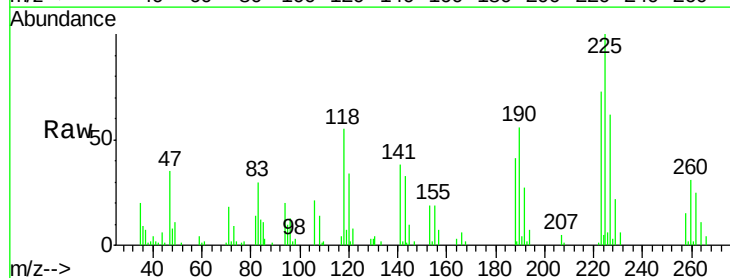
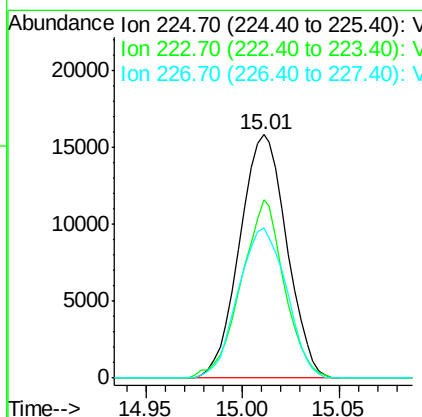
Manual Integrations
 APPROVED

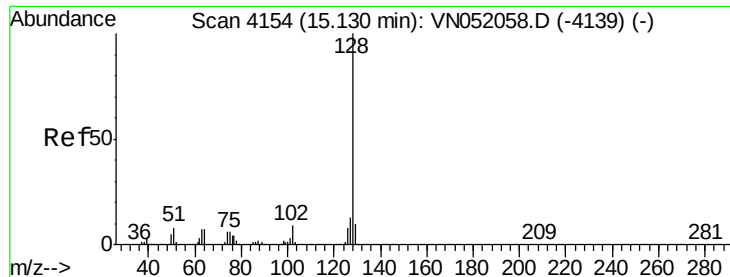
MMDadoda
 11/2/2018 9:21:36 AM



#94
 Hexachlorobutadiene
 Concen: 19.565 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052106.D
 Acq: 1 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.2	33.1	99.3
227	63.3	32.6	97.8





#95

Naphthalene

Concen: 21.154 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Instrument :

MSVOA_N

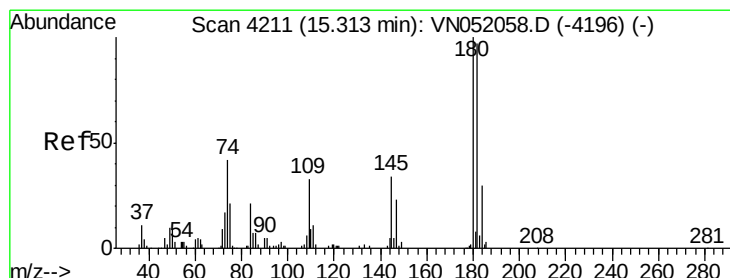
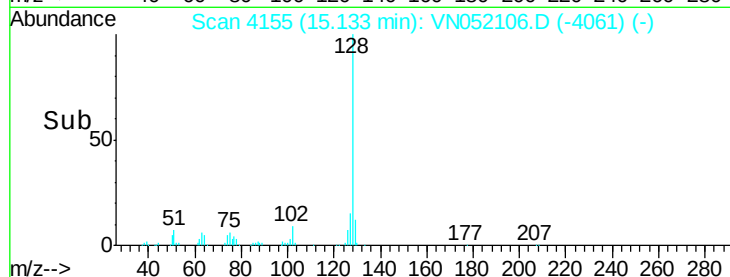
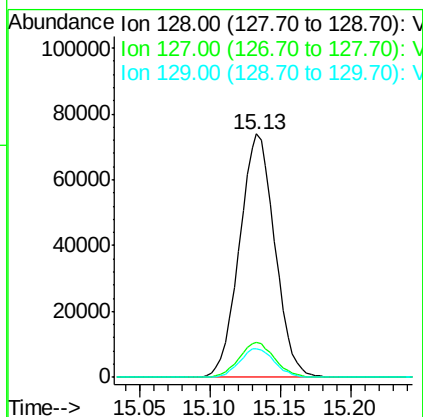
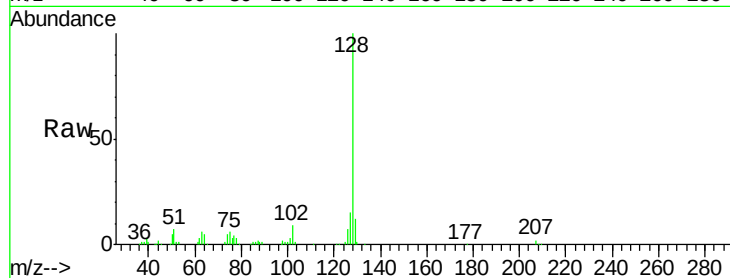
ClientSampleId :

VN1101WBS02

Tgt Ion:	128	Resp:	129680
Ion Ratio	Lower	Upper	
128	100		
127	14.4	10.5	15.7
129	11.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:21:36 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.367 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052106.D

Acq: 1 Nov 2018 16:42

Tgt Ion:	180	Resp:	45064
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.2	141.6
145	33.1	16.6	49.7

