

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110718\
 Data File : VN052204.D
 Acq On : 7 Nov 2018 13:10
 Operator : MD\SY
 Sample : VN1107WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1107WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 9:13:56 AM

Quant Time: Nov 07 13:51:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	62027	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	369551	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	325574	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	134900	29.30	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.67%
60) 4-Bromofluorobenzene	12.40	95	152532	29.29	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.63%
63) Toluene-d8	10.09	98	461771	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	87474	21.115	ug/l 96
3) Chloromethane	2.06	50	97102	20.509	ug/l 96
4) Vinyl Chloride	2.19	62	93474	20.125	ug/l 97
5) Bromomethane	2.58	94	62172	19.611	ug/l 98
6) Chloroethane	2.71	64	56799	19.125	ug/l 99
7) Trichlorofluoromethane	3.03	101	133634	21.247	ug/l 99
8) Diethyl Ether	3.41	74	44762	21.078	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	78119	21.251	ug/l 97
10) 1,1-Dichloroethene	3.75	96	71670	20.894	ug/l 89
11) Methyl Iodide	3.96	142	99297	20.022	ug/l 99
12) Methyl Acetate	4.33	43	56896	19.706	ug/l 97
13) Acrolein	3.61	56	29498	96.324	ug/l 98
14) Acrylonitrile	5.00	53	127205	99.351	ug/l 100
15) Acetone	3.82	58	31528	104.188	ug/l 97
16) Carbon Disulfide	4.06	76	190777	18.836	ug/l 98
17) Allyl chloride	4.33	41	115931	19.906	ug/l 93
18) Methylene Chloride	4.56	84	84709	20.008	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	73853	19.651	ug/l 96
20) Diisopropyl ether	5.96	45	255839	20.215	ug/l 98
21) 1,1-Dichloroethane	5.85	63	146178	19.765	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	88642	20.198	ug/l 98
23) tert-Butyl Alcohol	4.77	59	20847m	104.502	ug/l
24) Methyl tert-Butyl Ether	5.05	73	194431m	19.994	ug/l
25) Chloroform	7.37	83	146713	19.756	ug/l 89
26) Cyclohexane	7.66	56	131327	19.808	ug/l # 95
29) 1,1-Dichloropropene	7.79	75	111983	19.086	ug/l 100
30) 2-Butanone	6.83	43	152085	97.336	ug/l # 92
31) 2,2-Dichloropropane	6.83	77	107196	17.737	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	124576	18.977	ug/l 97
33) Carbon Tetrachloride	7.78	117	109283	18.719	ug/l 98
34) Benzene	8.04	78	329550	19.183	ug/l 99
35) Methacrylonitrile	7.20	41	53373m	24.904	ug/l
36) 1,2-Dichloroethane	8.13	62	106378	18.520	ug/l 99
37) Trichloroethene	8.83	130	85811	19.957	ug/l 88
38) Methylcyclohexane	9.08	83	130290	18.204	ug/l 100
39) 1,2-Dichloropropane	9.12	63	89582	19.589	ug/l 94
40) Dibromomethane	9.21	93	55007	19.514	ug/l 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110718\
 Data File : VN052204.D
 Acq On : 7 Nov 2018 13:10
 Operator : MD\SY
 Sample : VN1107WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1107WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 9:13:56 AM

Quant Time: Nov 07 13:51:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	107361	18.615	ug/l	98
42) Vinyl Acetate	5.90	43	866661	94.747	ug/l	99
43) Ethyl Acetate	7.21	43	19118	2.435	ug/l	99
44) Isopropyl Acetate	8.17	43	126442	19.449	ug/l	92
45) 1,4-Dioxane	9.20	88	11638	392.407	ug/l #	77
46) Methyl methacrylate	9.20	41	60948	18.833	ug/l	98
47) n-amyl Acetate	12.07	43	114937	19.504	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	101253	17.680	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	123346	18.660	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	72374	19.417	ug/l	95
51) Ethyl methacrylate	10.43	69	93830	19.478	ug/l	97
52) 1,3-Dichloropropane	10.71	76	124329	19.149	ug/l	99
53) Dibromochloromethane	10.90	129	74656	18.553	ug/l	98
54) 1,2-Dibromoethane	11.00	107	74858	19.805	ug/l	95
55) 2-Chloroethyl vinyl ether	9.70	63	258976	98.174	ug/l	99
56) Bromoform	12.13	173	43413	18.679	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	342425	98.153	ug/l	99
59) 2-Hexanone	10.75	43	228028	94.929	ug/l	99
61) Tetrachloroethene	10.63	164	77406	21.861	ug/l	92
62) Toluene	10.16	91	365837	20.017	ug/l	100
64) Chlorobenzene	11.43	112	229905	19.848	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	79330	20.122	ug/l	99
66) Ethyl Benzene	11.51	91	391413	19.827	ug/l	99
67) m/p-Xylenes	11.62	106	298239	39.239	ug/l	97
68) o-Xylene	11.95	106	143710	19.832	ug/l	96
69) Styrene	11.96	104	228808	19.595	ug/l	97
70) Isopropylbenzene	12.25	105	383767	19.728	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	86776	20.281	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	71088m	18.896	ug/l	
73) Bromobenzene	12.53	156	87396	20.276	ug/l	92
74) n-propylbenzene	12.59	91	443903	19.596	ug/l	99
75) 2-Chlorotoluene	12.67	91	257829	19.742	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	311215	19.952	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	19756	16.783	ug/l	94
78) 4-Chlorotoluene	12.77	91	258706	19.671	ug/l	98
79) tert-butylbenzene	12.99	119	270326	19.895	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	313389	20.167	ug/l	98
81) sec-Butylbenzene	13.17	105	377247	20.174	ug/l	100
82) p-Isopropyltoluene	13.29	119	315653	19.975	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	160564	21.060	ug/l	94
84) 1,4-Dichlorobenzene	13.36	146	156627	20.752	ug/l	96
85) n-Butylbenzene	13.61	91	263512	19.266	ug/l	98
86) Hexachloroethane	13.87	117	49314	18.492	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	152796	21.093	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11071	18.923	ug/l #	86
89) 1,2,4-Trichlorobenzene	14.91	180	63412	21.565	ug/l	97
90) Hexachlorobutadiene	15.01	225	35818	22.264	ug/l	98
91) Naphthalene	15.13	128	144935	21.384	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	56197	21.928	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110718\
Data File : VN052204.D
Acq On : 7 Nov 2018 13:10
Operator : MD\SY
Sample : VN1107WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:13:56 AM

Quant Time: Nov 07 13:51:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 02 05:39:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

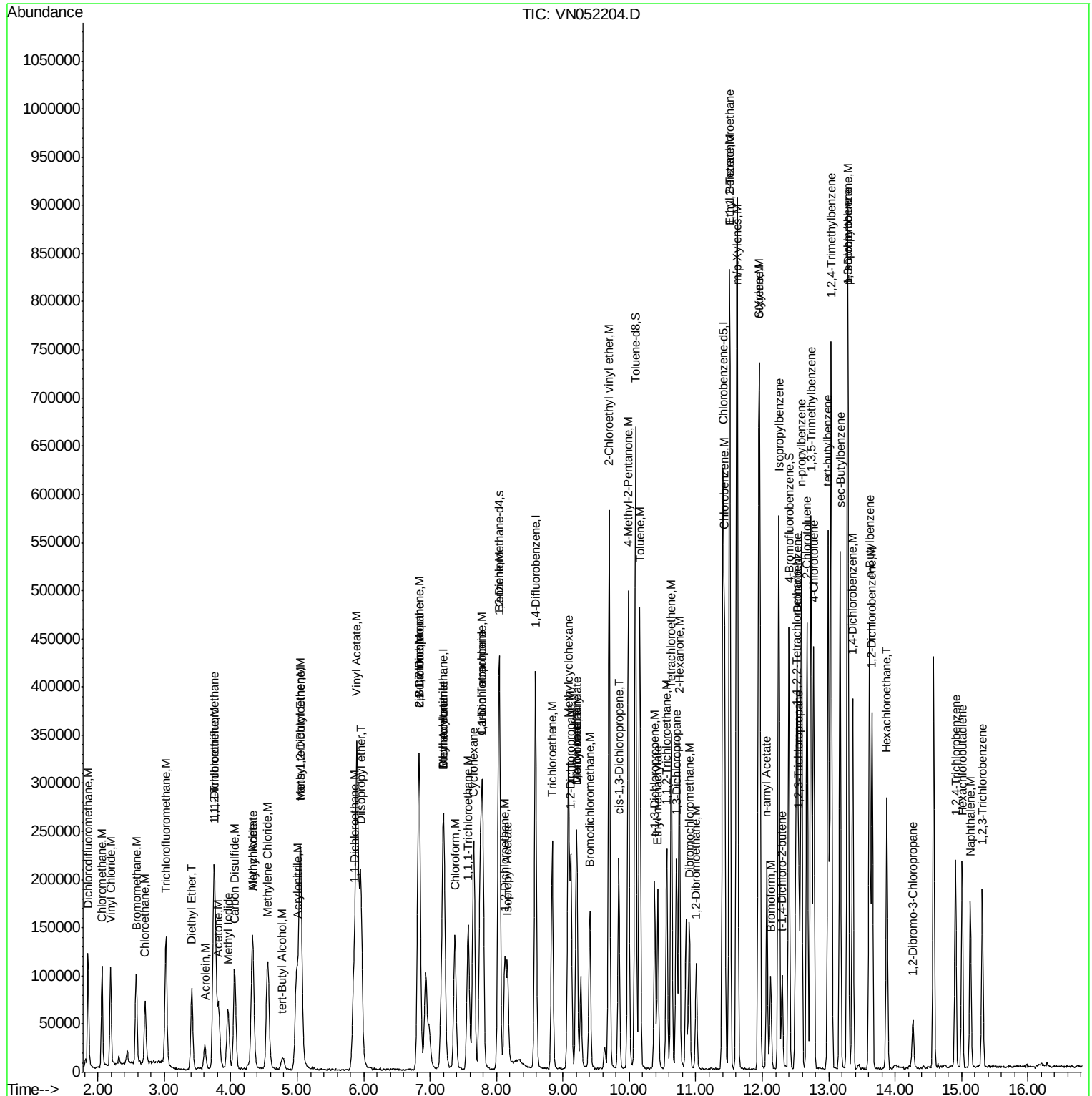
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110718\
 Data File : VN052204.D
 Acq On : 7 Nov 2018 13:10
 Operator : MD\SY
 Sample : VN1107WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

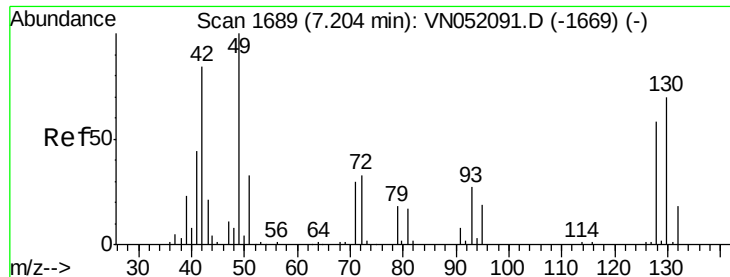
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 9:13:56 AM

Quant Time: Nov 07 13:51:13 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration





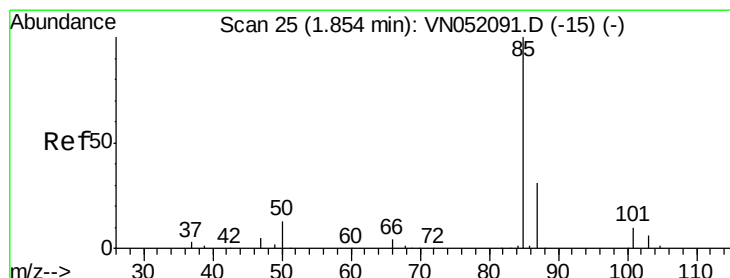
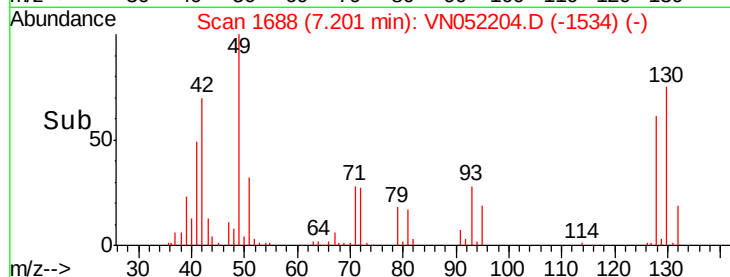
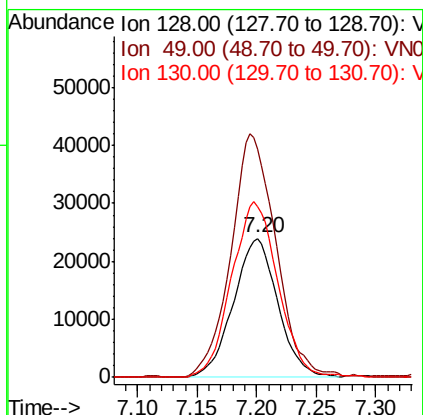
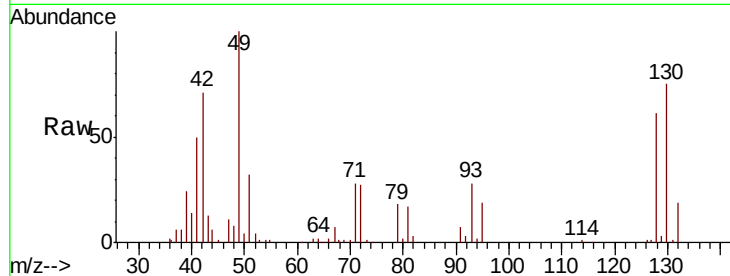
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
49	174.4	0.0	453.7
130	131.2	0.0	308.8

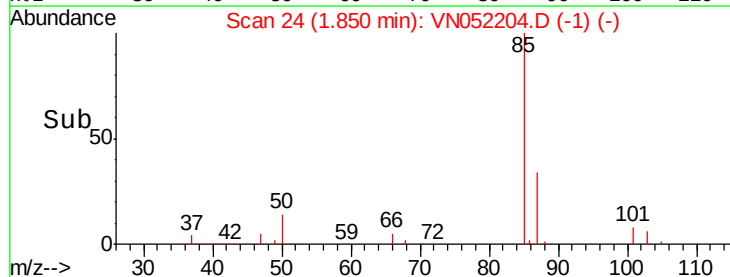
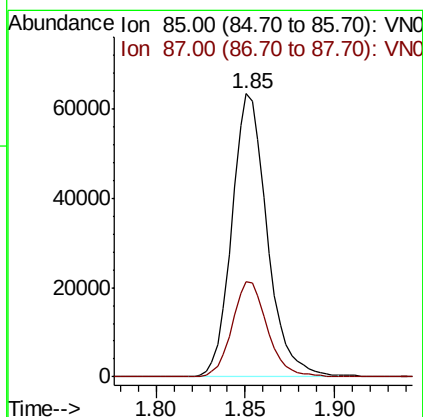
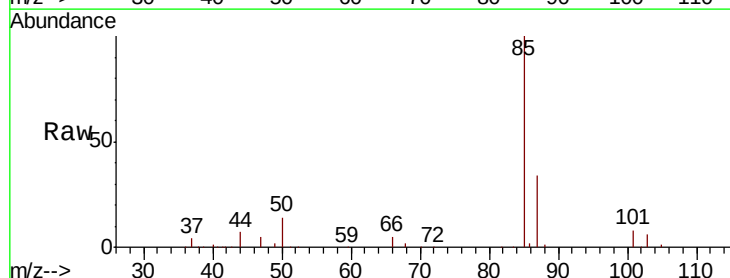
Manual Integrations
APPROVED

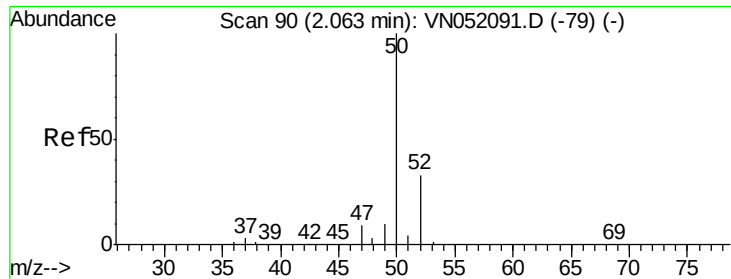
MMDadoda
11/8/2018 9:13:56 AM



#2
Dichlorodifluoromethane
Concen: 21.115 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.7	15.7	47.1





#3

Chloromethane

Concen: 20.509 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN052204.D

Acq: 7 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampled :

VN1107WBSD01

Tot Ion: 50 Resp: 97102

Ion Ratio Lower Upper

50 100

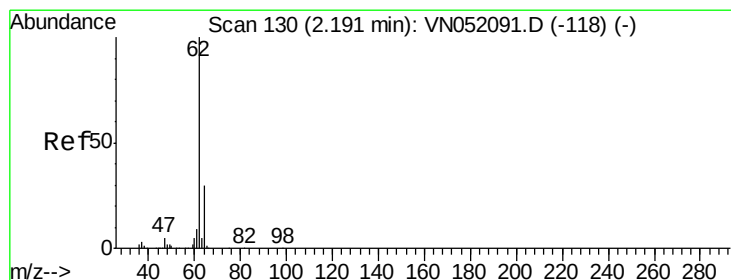
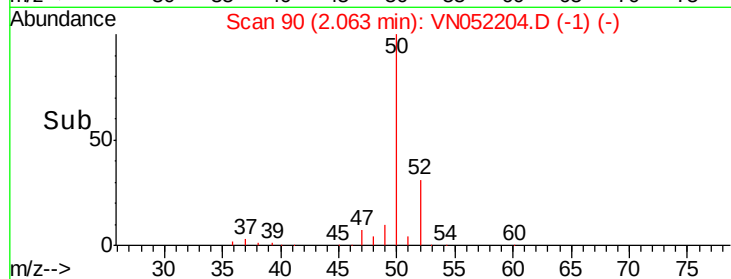
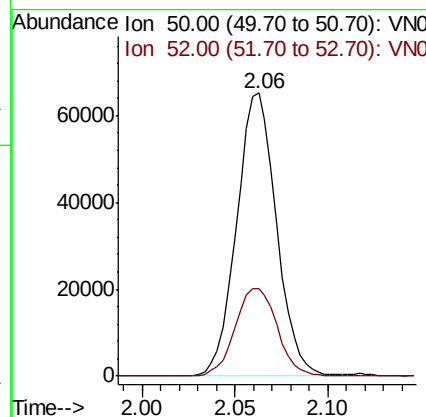
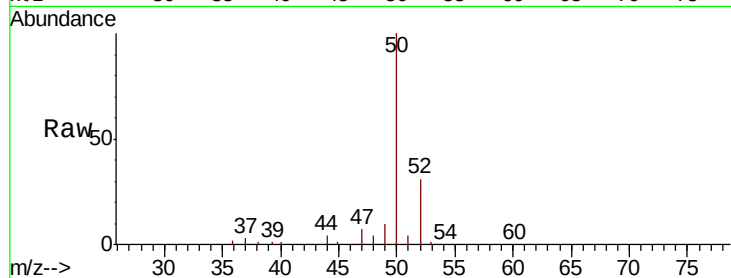
52 30.9 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

11/8/2018 9:13:56 AM



#4

Vinyl Chloride

Concen: 20.125 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052204.D

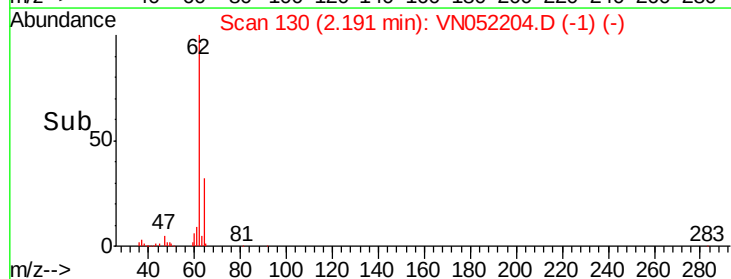
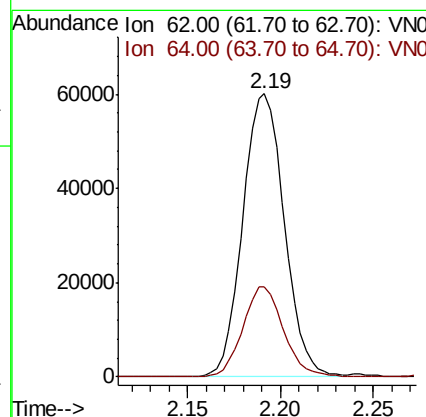
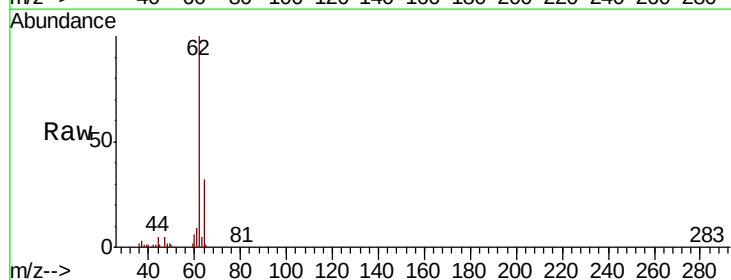
Acq: 7 Nov 2018 13:10

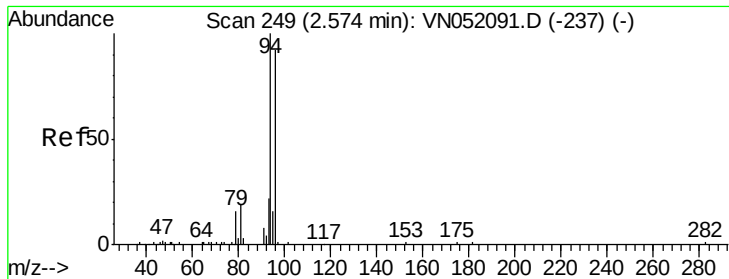
Tgt Ion: 62 Resp: 93474

Ion Ratio Lower Upper

62 100

64 32.1 24.2 36.4





#5

Bromomethane

Concen: 19.611 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052204.D

Acq: 7 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD01

Tot Ion: 94 Resp: 62172

Ion Ratio Lower Upper

94 100

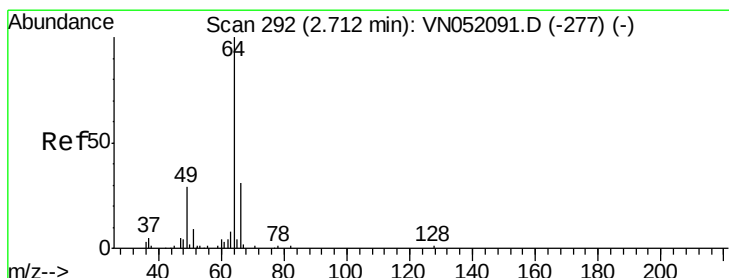
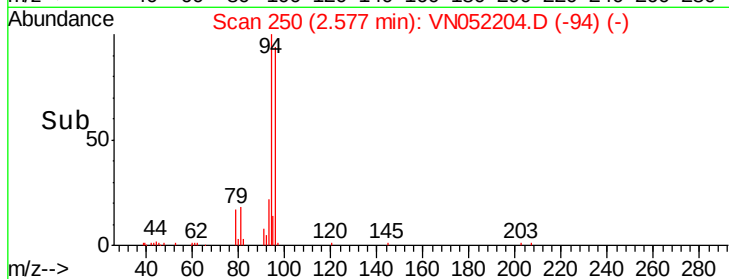
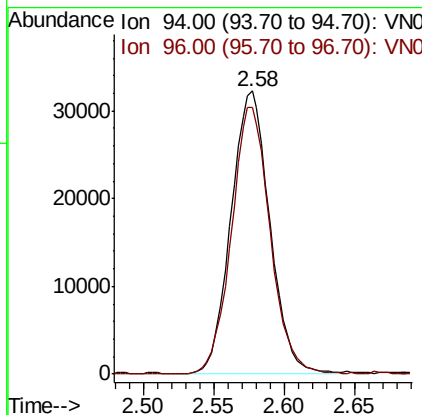
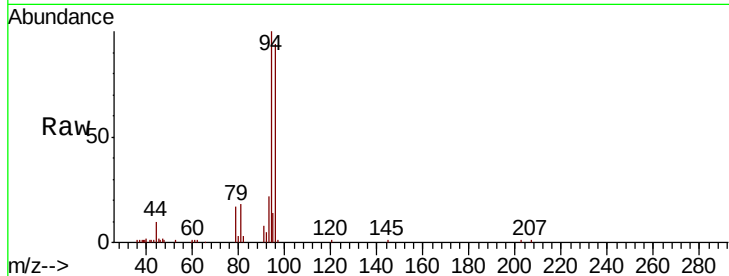
96 94.0 73.4 110.0

Manual Integrations

APPROVED

MMDadoda

11/8/2018 9:13:56 AM



#6

Chloroethane

Concen: 19.125 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052204.D

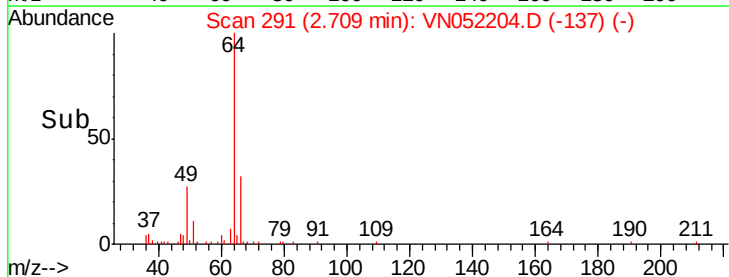
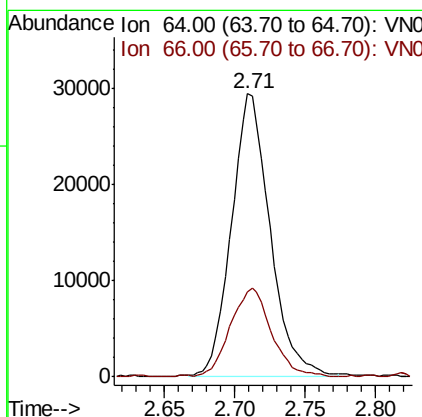
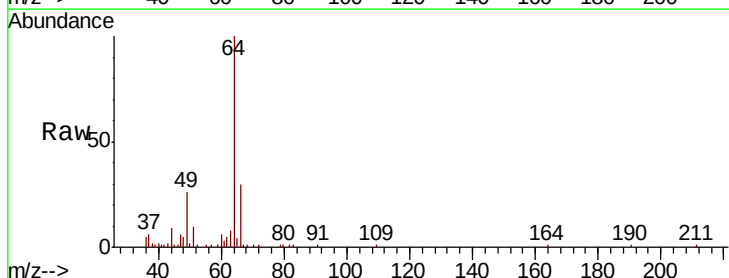
Acq: 7 Nov 2018 13:10

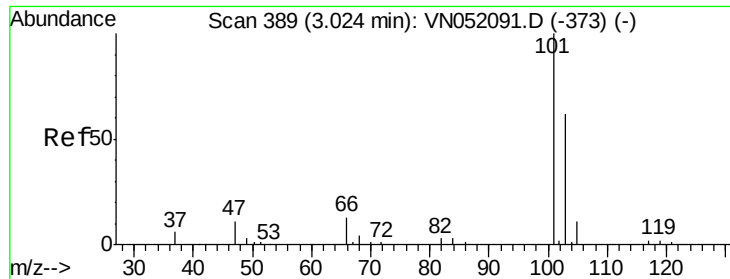
Tgt Ion: 64 Resp: 56799

Ion Ratio Lower Upper

64 100

66 30.2 24.7 37.1





#7

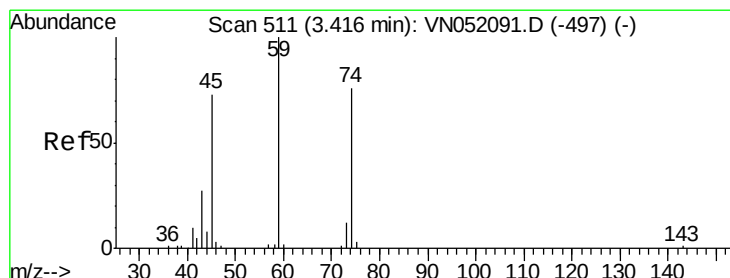
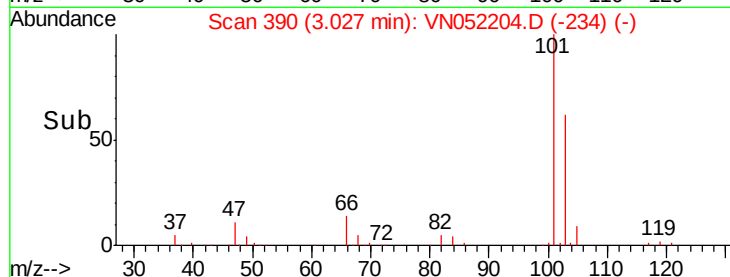
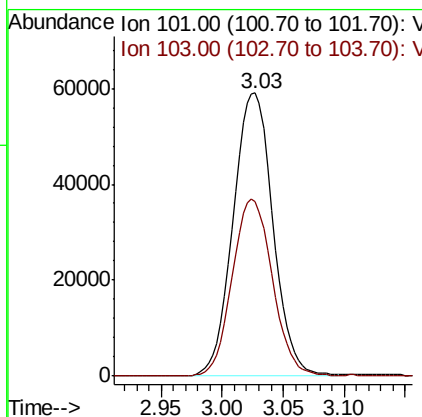
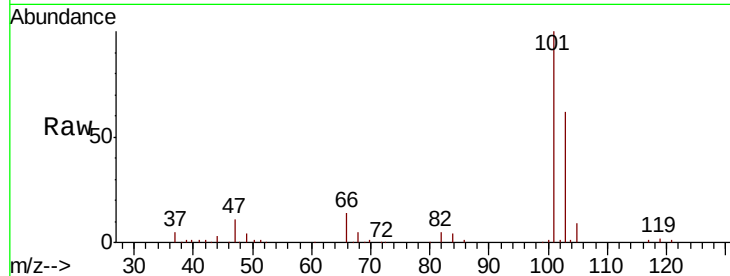
Trichlorofluoromethane
 Concen: 21.247 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		133634		
103	61.4	49.5	74.3		

Manual Integrations
 APPROVED

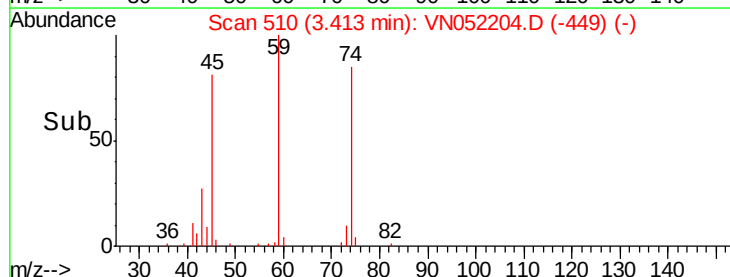
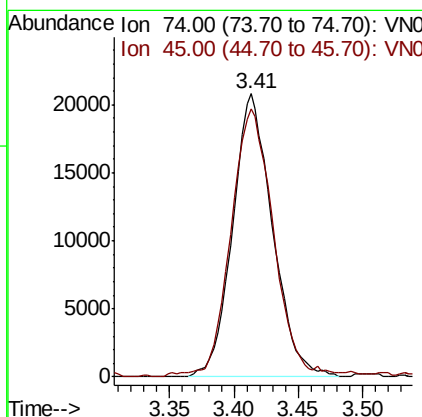
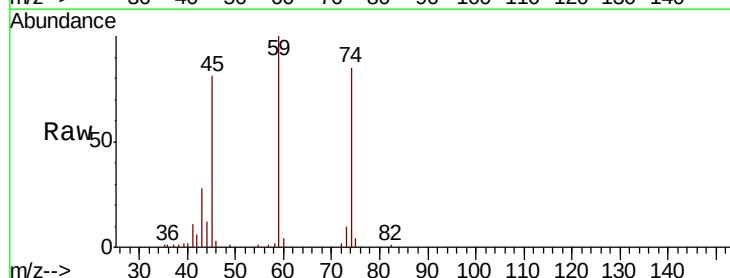
MMDadoda
 11/8/2018 9:13:56 AM

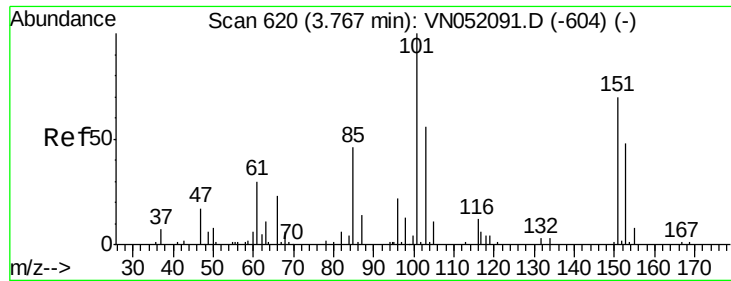


#8

Diethyl Ether
 Concen: 21.078 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		44762		
45	95.9	19.4	174.4		





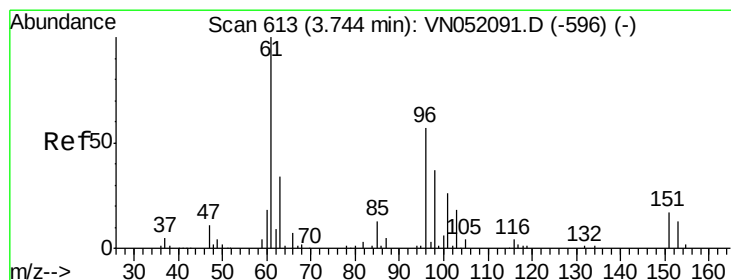
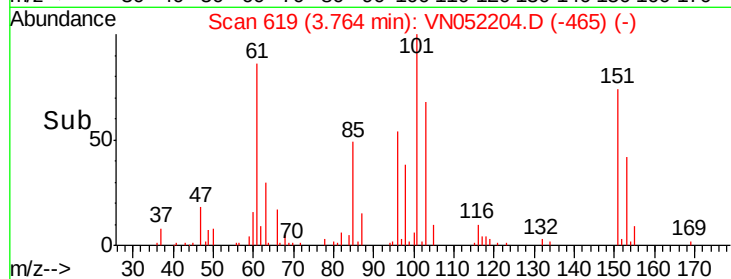
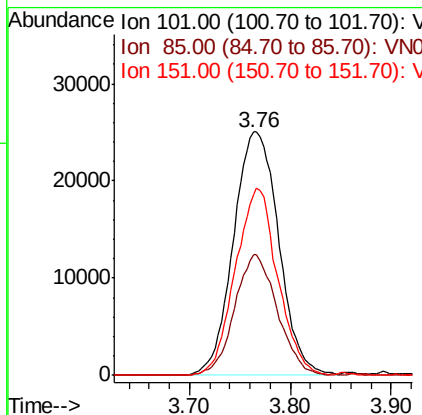
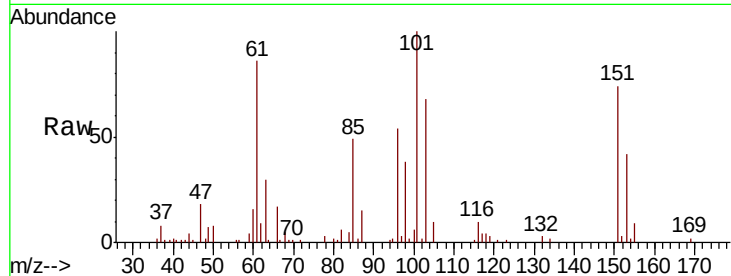
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.251 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	78119		
85	46.7	0.0	98.0	
151	71.8	0.0	139.6	

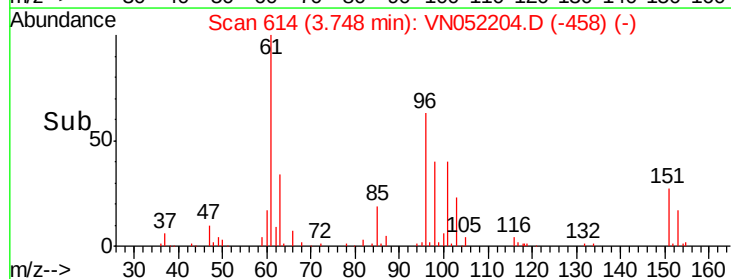
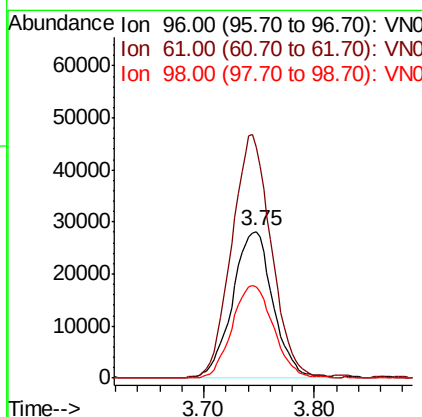
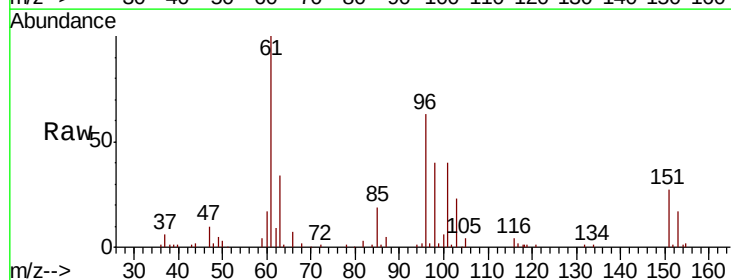
Manual Integrations
 APPROVED

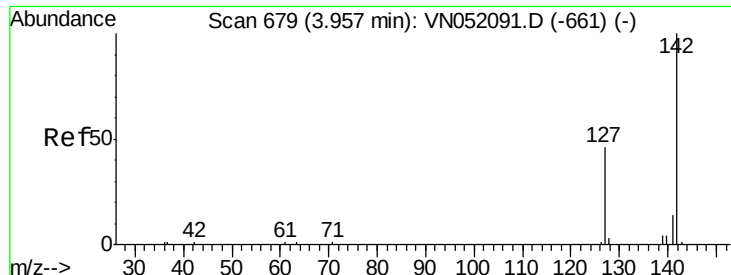
MMDadoda
 11/8/2018 9:13:56 AM



#10
 1,1-Dichloroethene
 Concen: 20.894 ug/l
 RT: 3.75 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	71670		
61	156.6	140.3	210.5	
98	62.5	52.0	78.0	





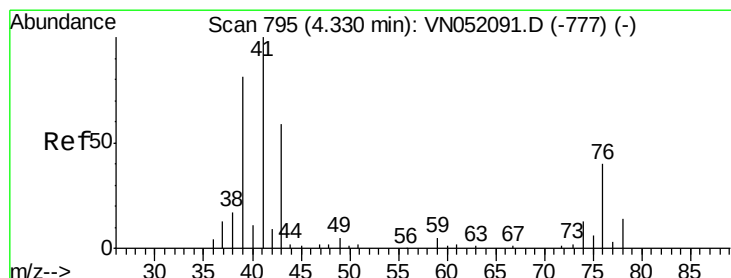
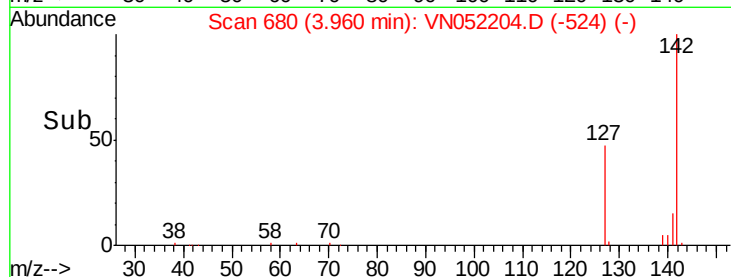
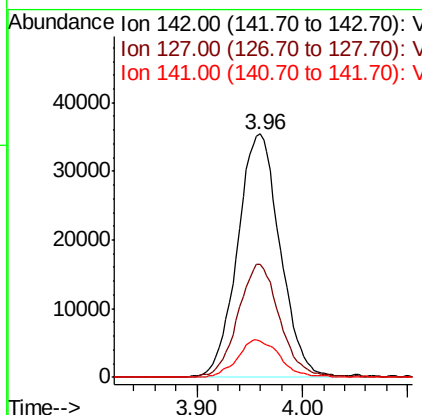
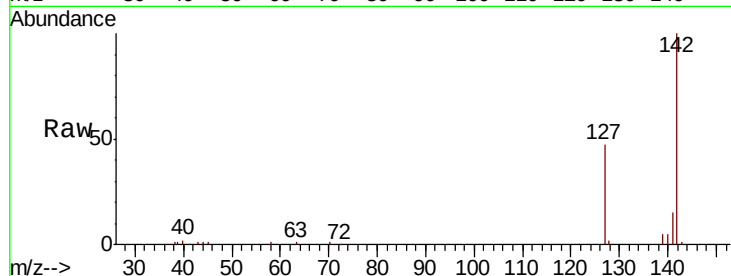
#11
Methyl Iodide
Concen: 20.022 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.4	23.1	69.2
141	14.9	7.0	20.9

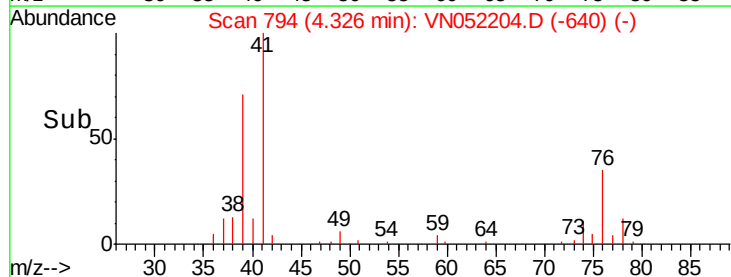
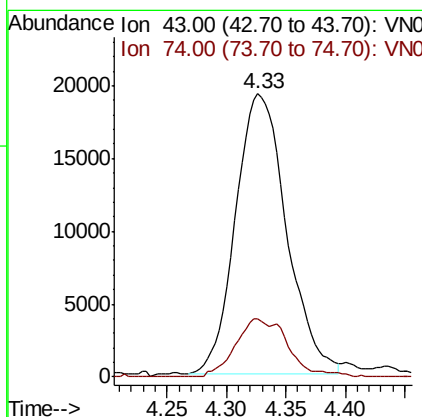
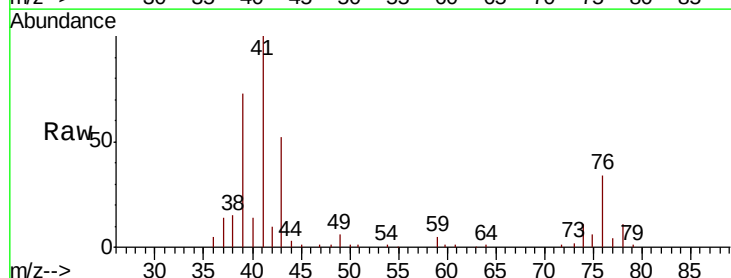
Manual Integrations
APPROVED

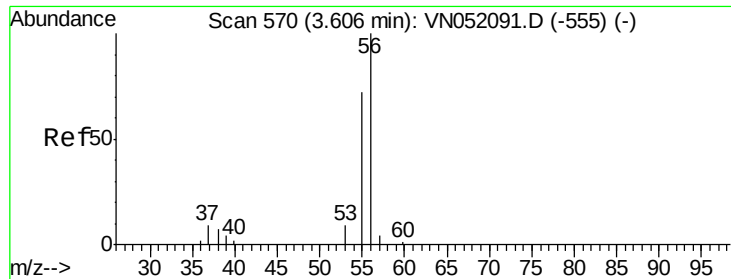
MMDadoda
11/8/2018 9:13:56 AM



#12
Methyl Acetate
Concen: 19.706 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	17.4	26.2





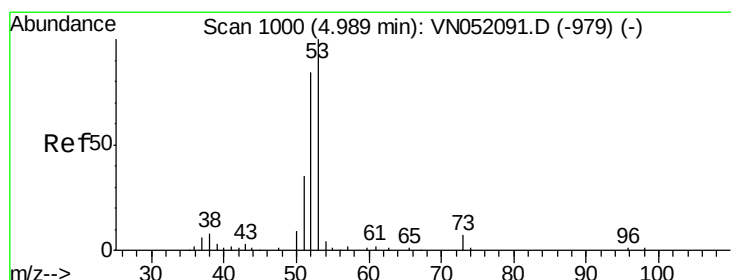
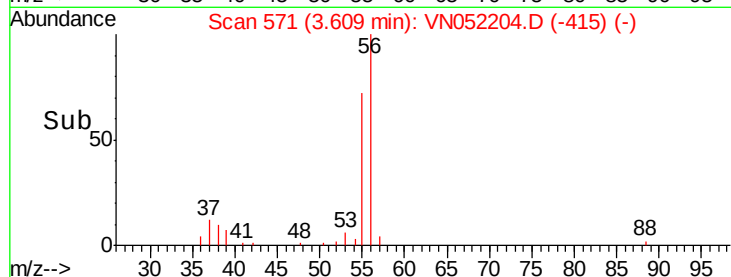
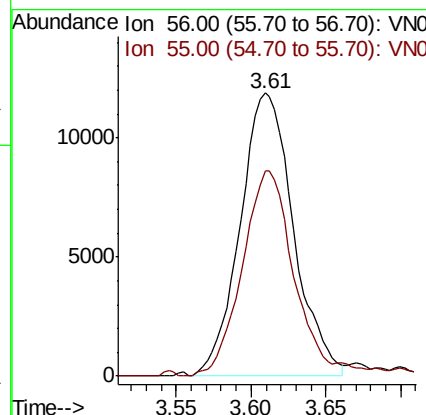
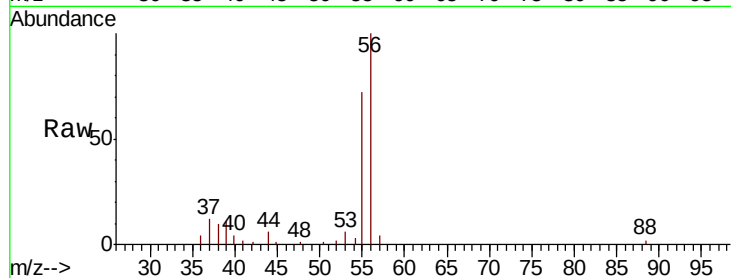
#13
Acrolein
Concen: 96.324 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	56	55	Ratio	Lower	Upper
29498	100	68.7		56.2	84.2

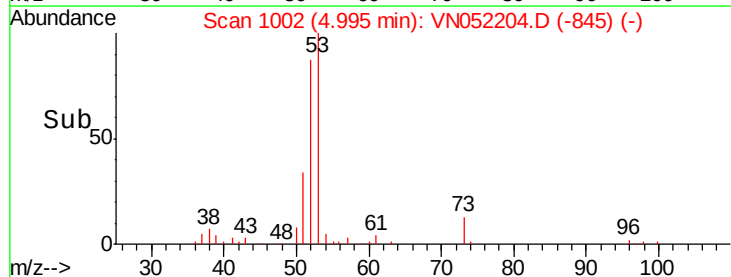
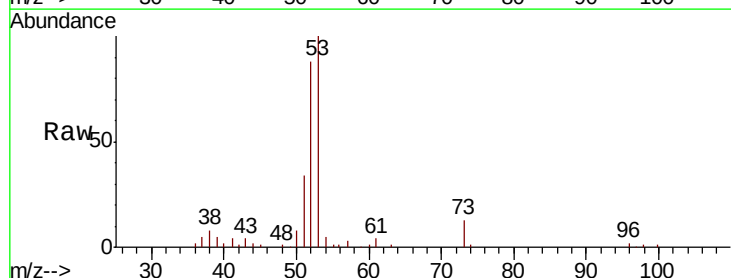
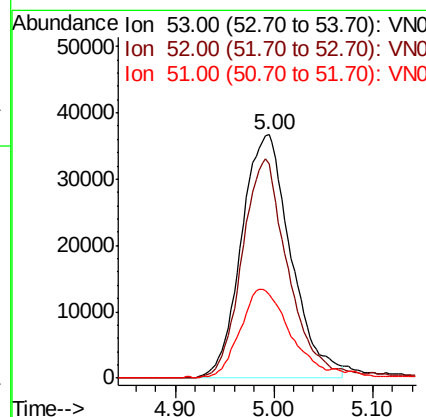
Manual Integrations
APPROVED

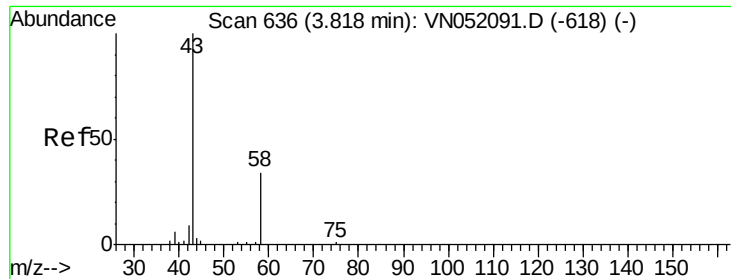
MMDadoda
11/8/2018 9:13:56 AM



#14
Acrylonitrile
Concen: 99.351 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Tgt Ion	53	52	51	Ratio	Lower	Upper
127205	100	82.7	36.7		41.3	124.1





#15

Acetone

Concen: 104.188 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN052204.D

Acq: 7 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD01

Tot Ion: 58 Resp: 31528

Ion Ratio Lower Upper

58 100

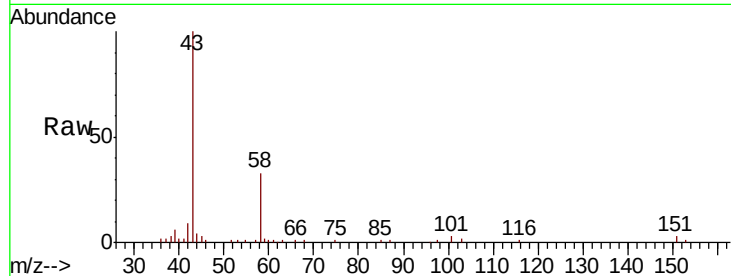
43 299.1 234.7 352.1

Manual Integrations

APPROVED

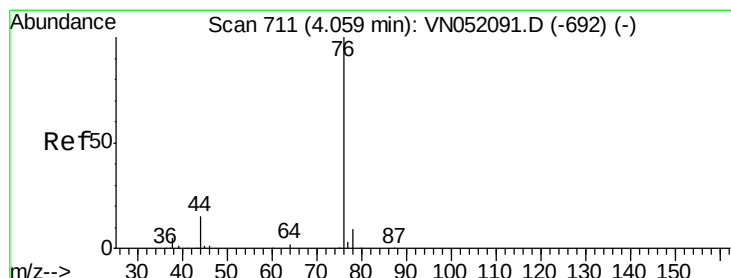
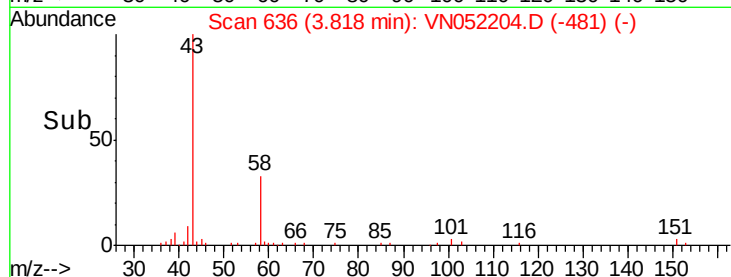
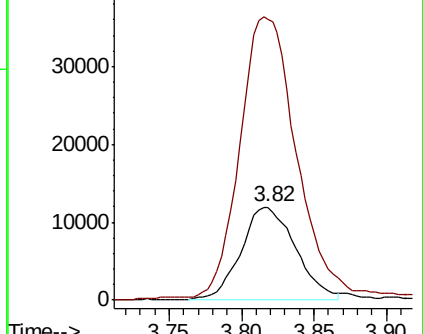
MMDadoda

11/8/2018 9:13:56 AM



Abundance Ion 58.00 (57.70 to 58.70): VN052091.D (-618) (-)

Ion 43.00 (42.70 to 43.70): VN052091.D (-618) (-)



#16

Carbon Disulfide

Concen: 18.836 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN052204.D

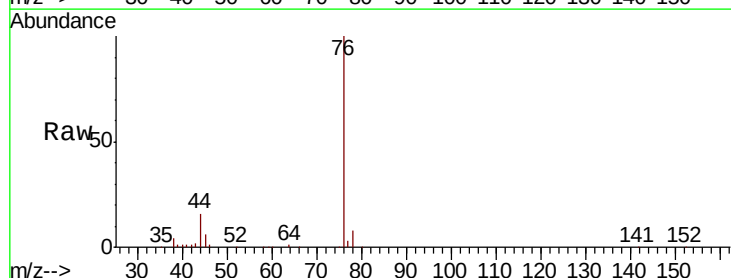
Acq: 7 Nov 2018 13:10

Tgt Ion: 76 Resp: 190777

Ion Ratio Lower Upper

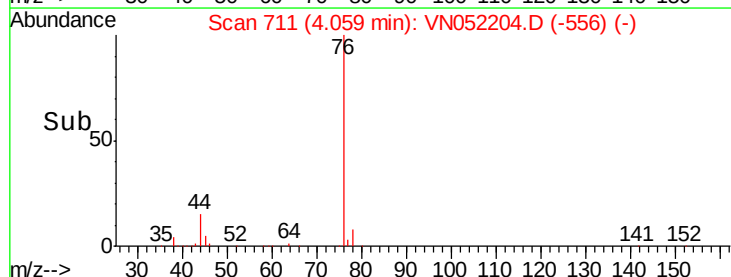
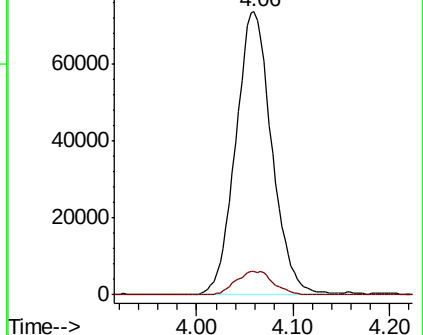
76 100

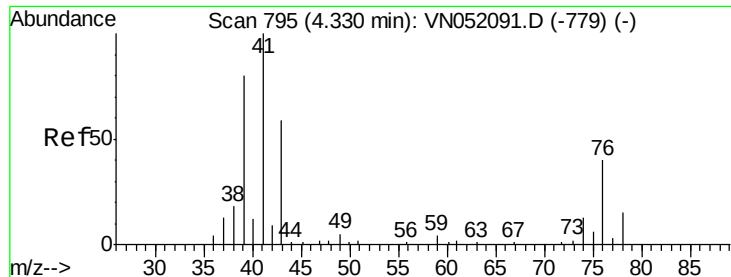
78 8.2 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VN052091.D (-692) (-)

Ion 78.00 (77.70 to 78.70): VN052091.D (-692) (-)





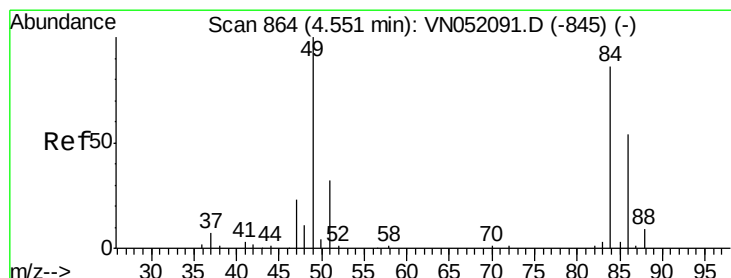
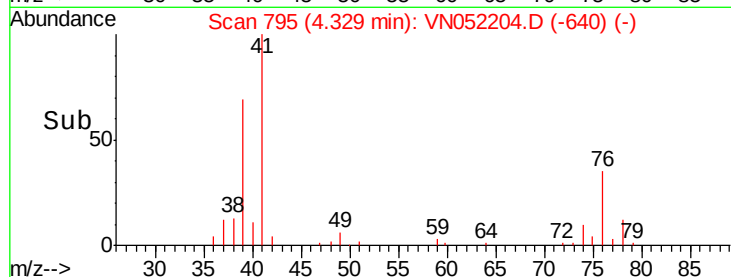
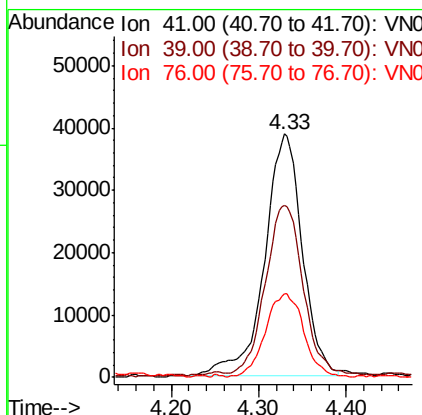
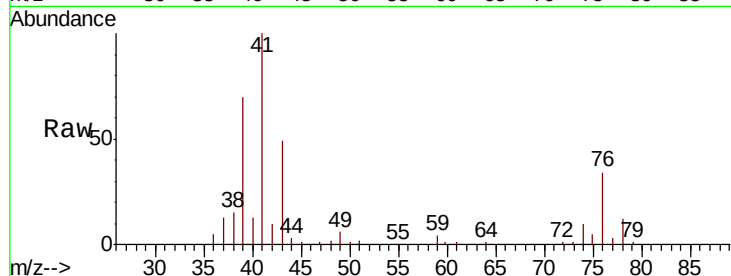
#17
Allvl chloride
Concen: 19.906 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.9	38.4	115.1
76	34.7	18.8	56.3

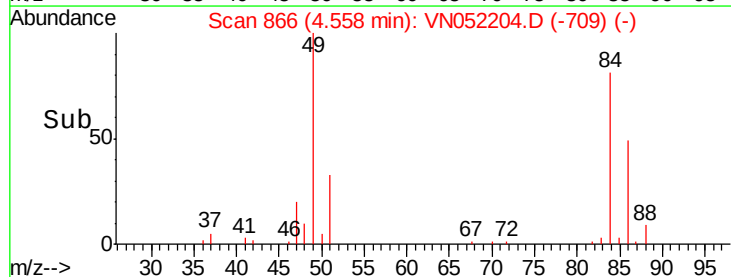
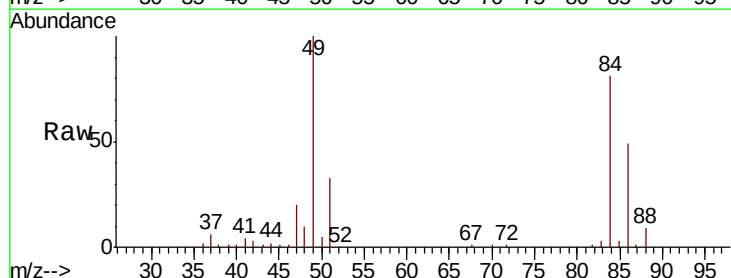
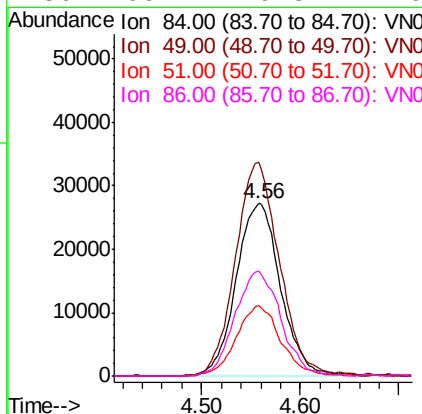
Manual Integrations
APPROVED

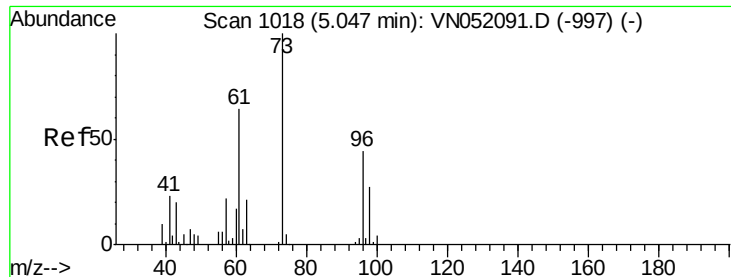
MMDadoda
11/8/2018 9:13:56 AM



#18
Methylene Chloride
Concen: 20.008 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.8	92.6	138.8
51	40.5	29.7	44.5
86	60.7	49.8	74.6





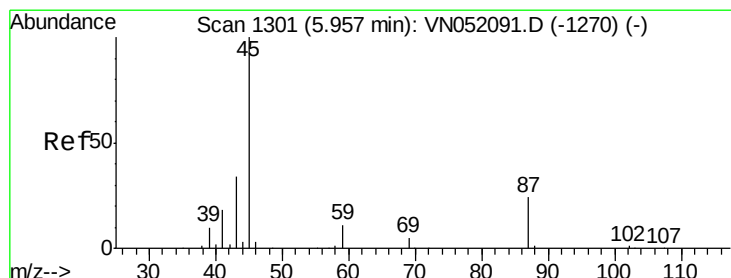
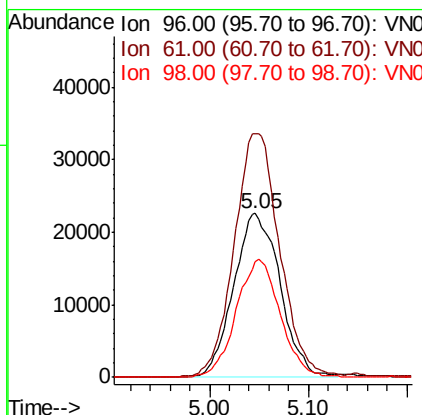
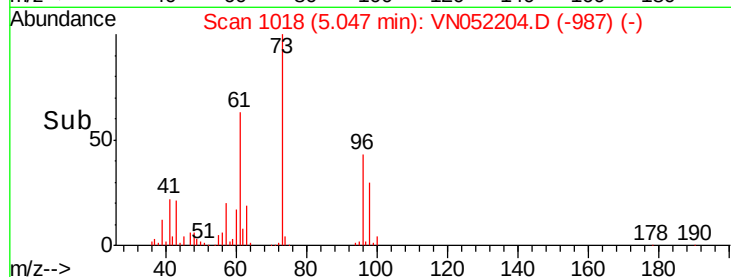
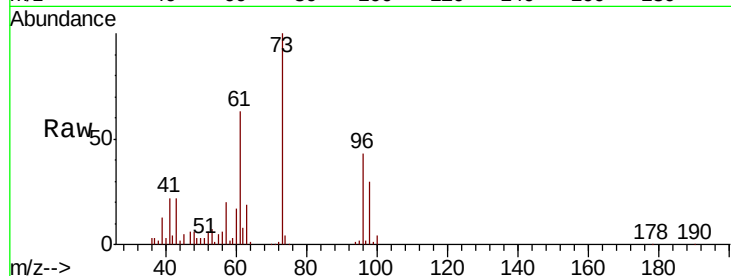
#19
trans-1,2-Dichloroethene
Concen: 19.651 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.7	117.8	176.6
98	70.2	49.3	73.9

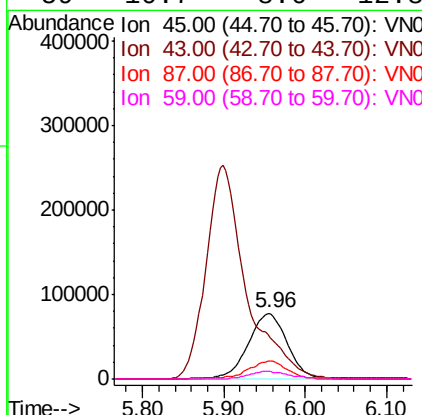
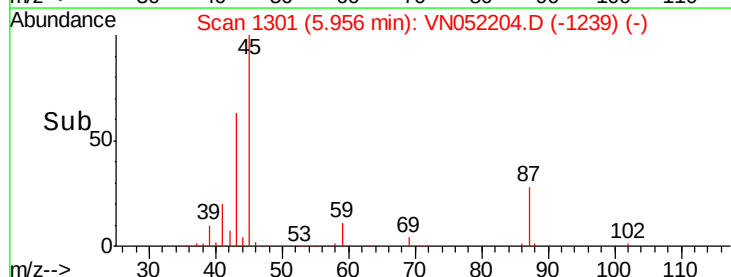
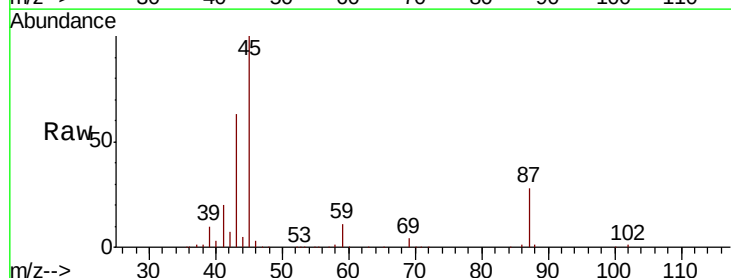
Manual Integrations
APPROVED

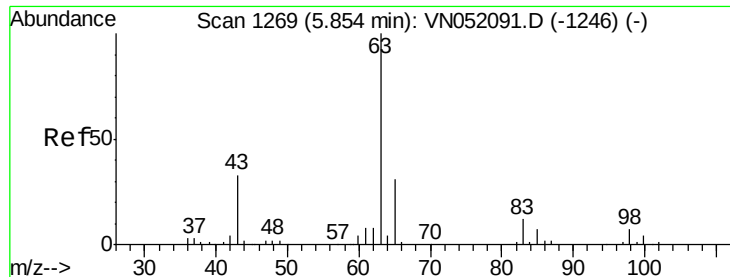
MMDadoda
11/8/2018 9:13:56 AM



#20
Diisopropyl ether
Concen: 20.215 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.9	49.4	74.0
87	27.8	20.3	30.5
59	10.7	8.6	12.8





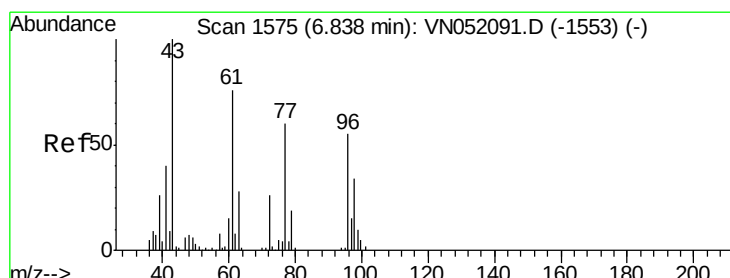
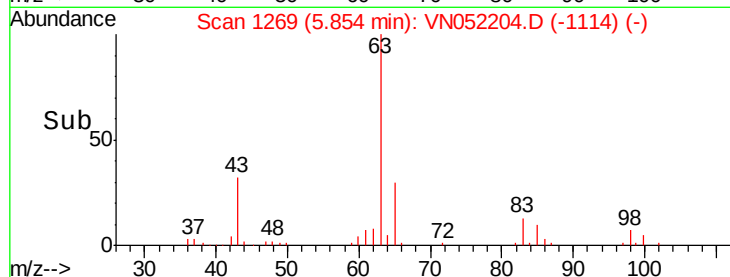
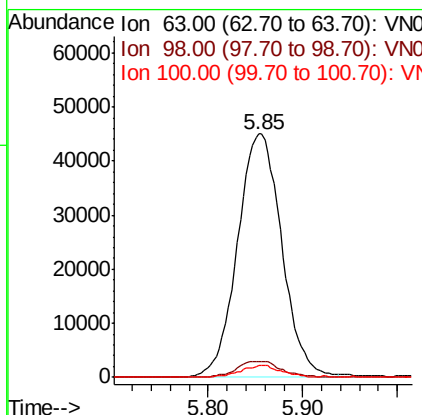
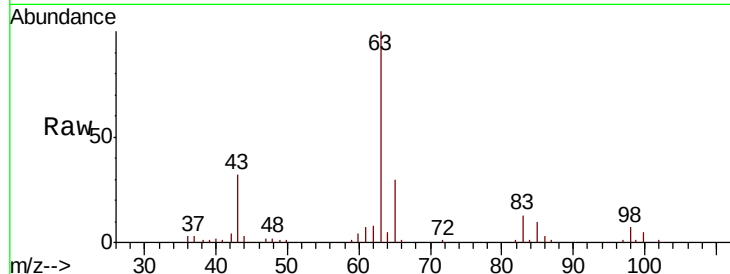
#21
 1,1-Dichloroethane
 Concen: 19.765 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	146178		
98	7.6		3.4	10.1
100	4.9		2.0	5.8

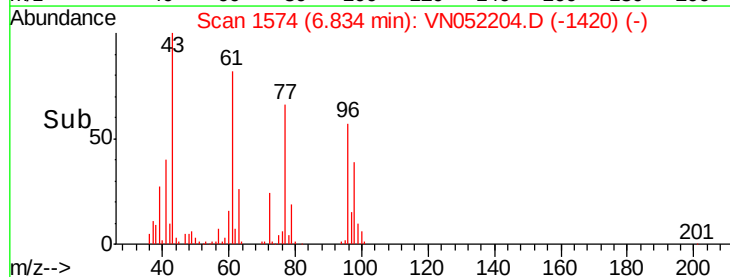
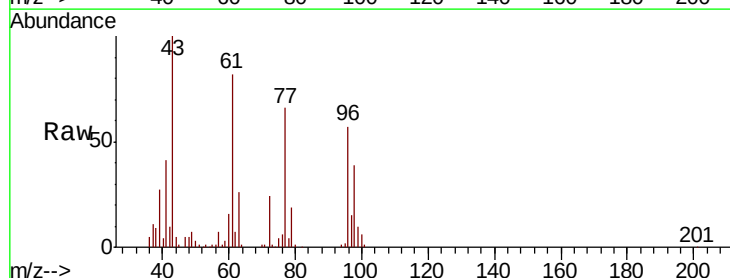
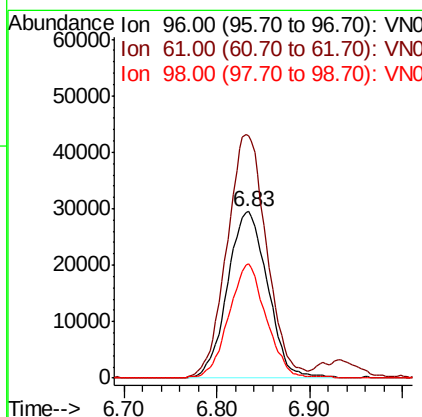
Manual Integrations
 APPROVED

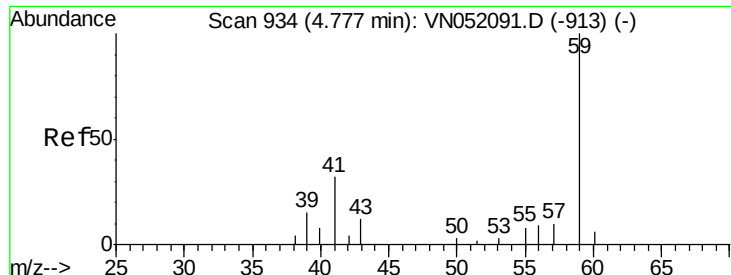
MMDadoda
 11/8/2018 9:13:56 AM



#22
 cis-1,2-Dichloroethene
 Concen: 20.198 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	88642		
61	144.6		117.6	176.4
98	61.6		51.0	76.4





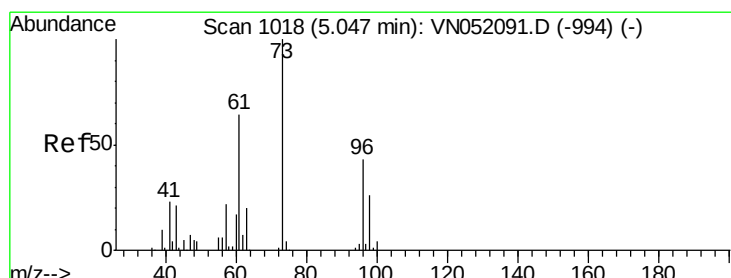
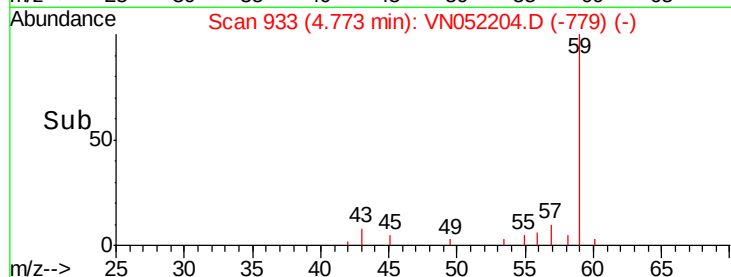
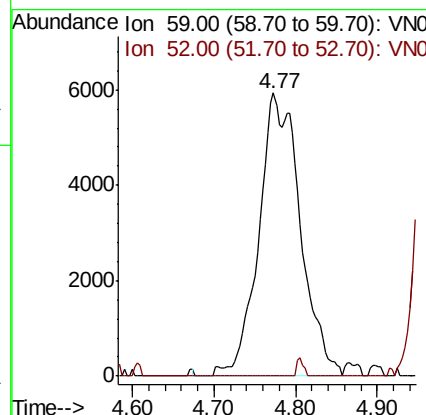
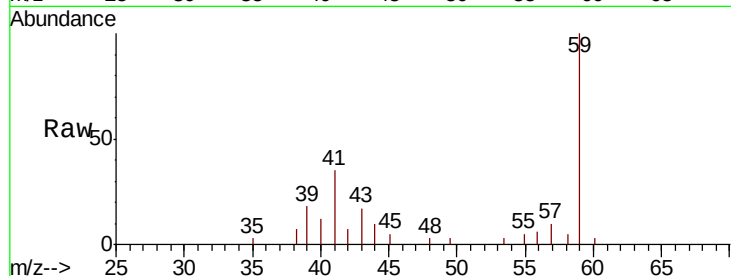
#23
 tert-Butyl Alcohol
 Concen: 104.502 ug/l m
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion: 59 Resp: 20847
 Ion Ratio Lower Upper
 59 100
 52 1.0 0.3 0.5#

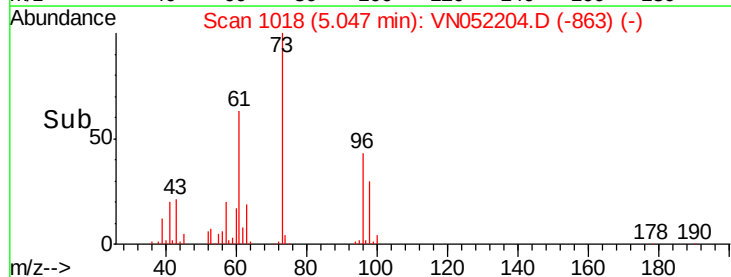
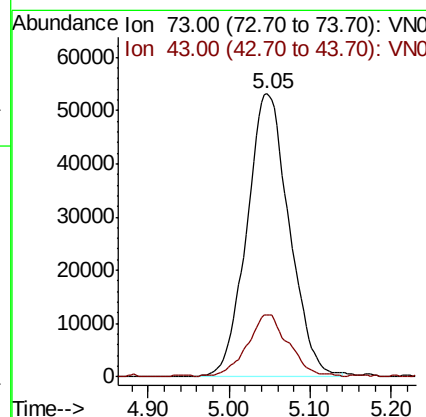
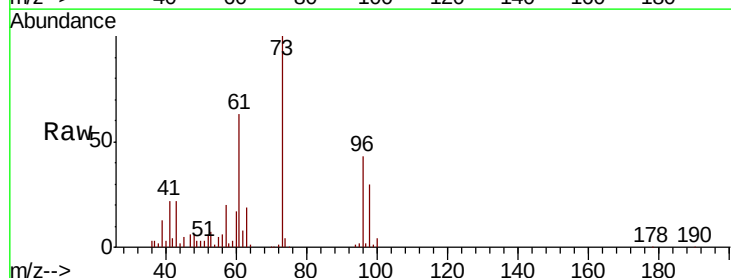
Manual Integrations
 APPROVED

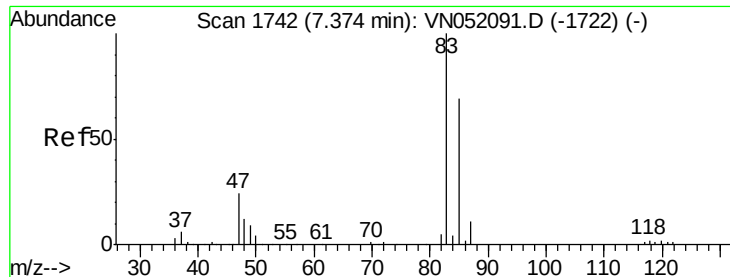
MMDadoda
 11/8/2018 9:13:56 AM



#24
 Methyl tert-Butyl Ether
 Concen: 19.994 ug/l m
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Tgt Ion: 73 Resp: 194431
 Ion Ratio Lower Upper
 73 100
 43 0.1 17.4 26.2#





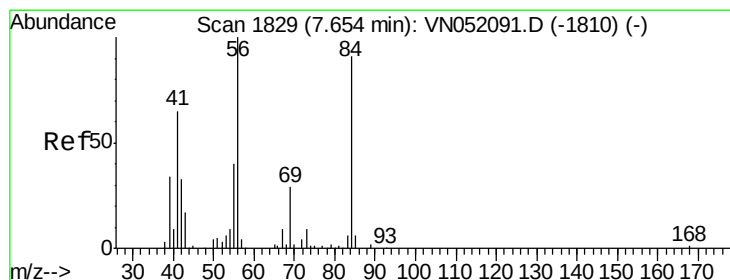
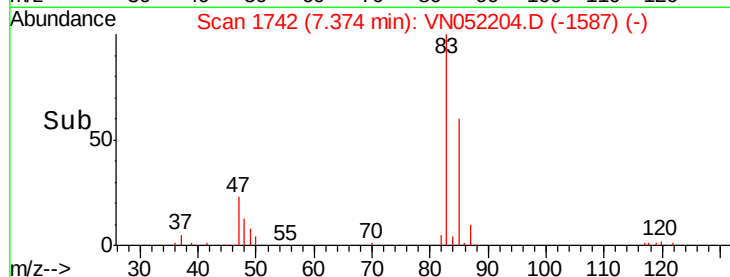
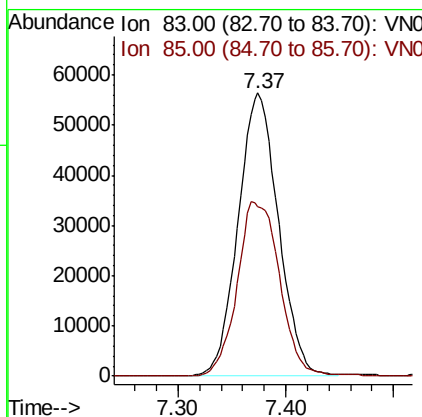
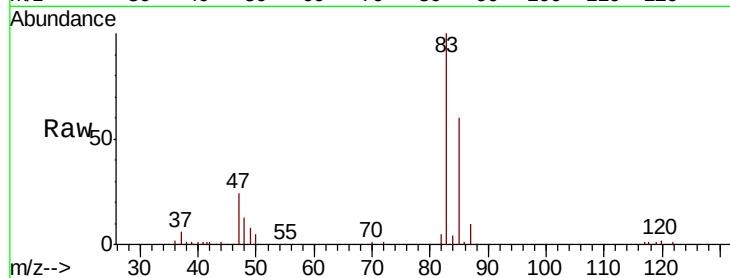
#25
Chloroform
Concen: 19.756 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	83	Resp	146713
Ion Ratio	100	Lower	Upper
83	100		
85	60.0	54.9	82.3

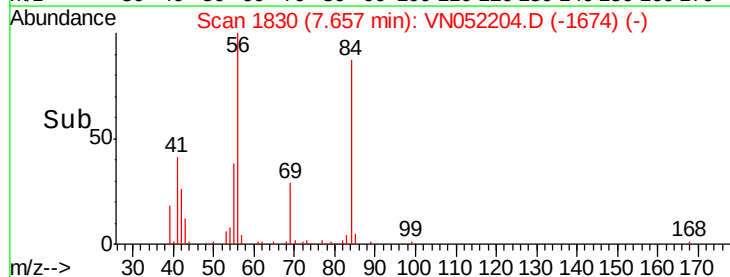
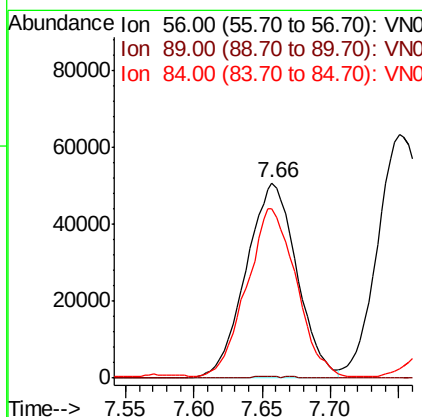
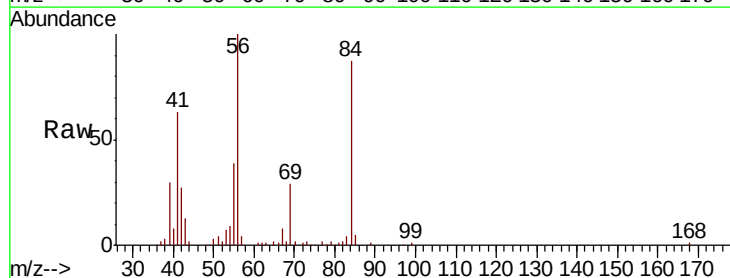
Manual Integrations
APPROVED

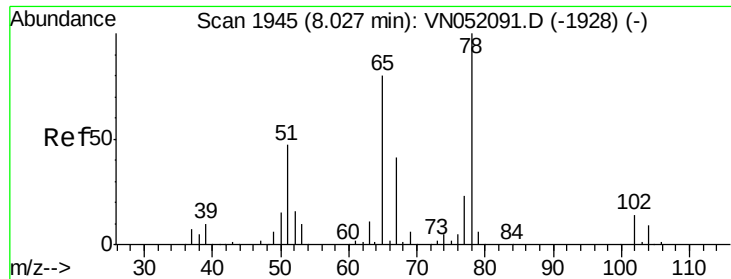
MMDadoda
11/8/2018 9:13:56 AM



#26
Cyclohexane
Concen: 19.808 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Tgt Ion	56	Resp	131327
Ion Ratio	100	Lower	Upper
56	100		
89	0.4	2.2	3.2#
84	84.3	71.0	106.6





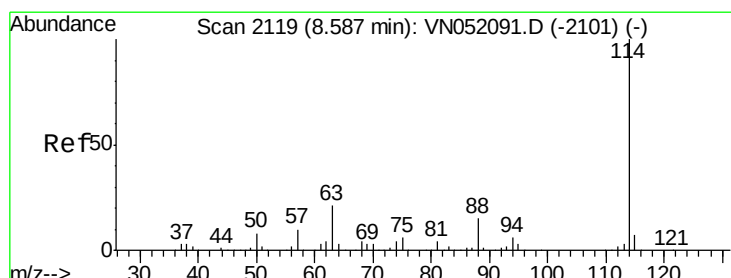
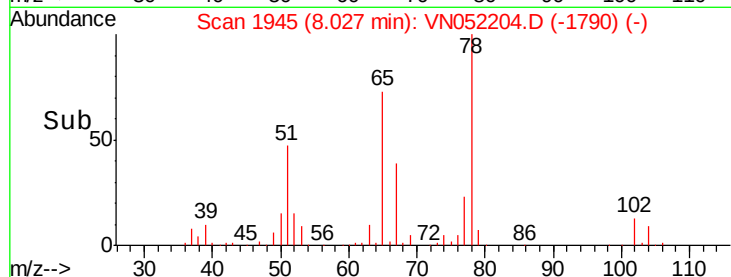
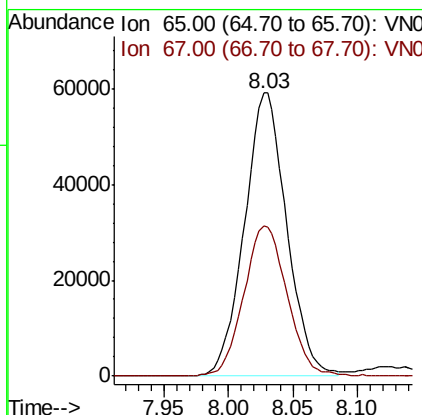
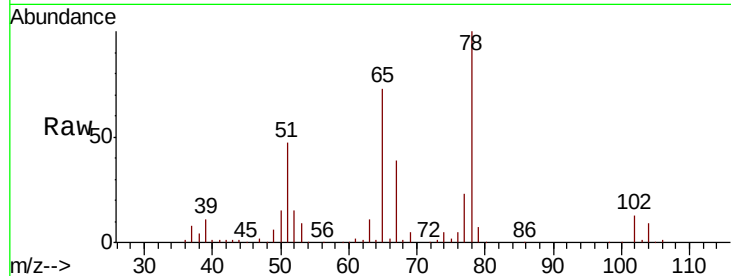
#27
 1,2-Dichloroethane-d4
 Concen: 19.808 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	42.6	64.0

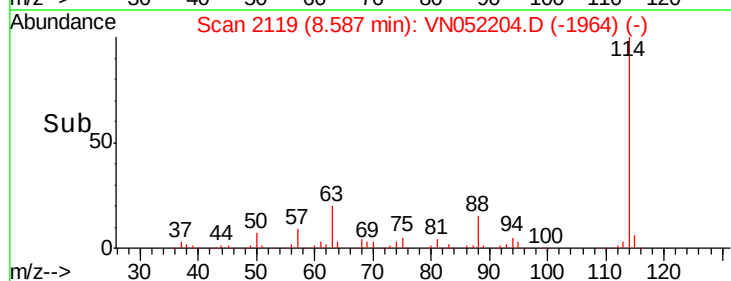
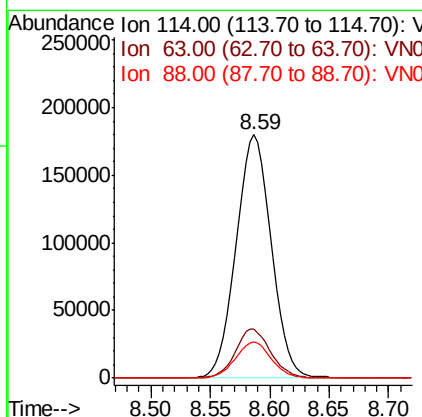
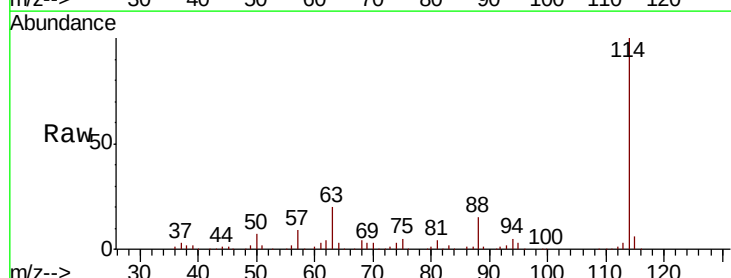
Manual Integrations
 APPROVED

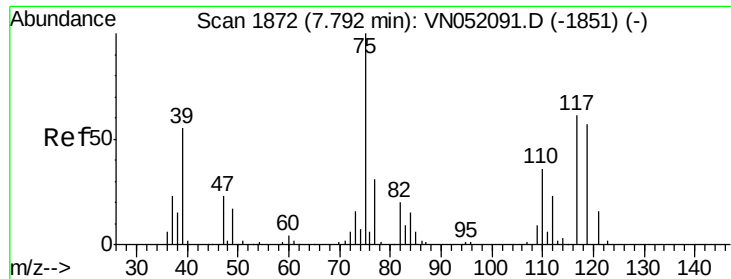
MMDadoda
 11/8/2018 9:13:56 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	17.5	26.3
88	14.9	12.6	18.8





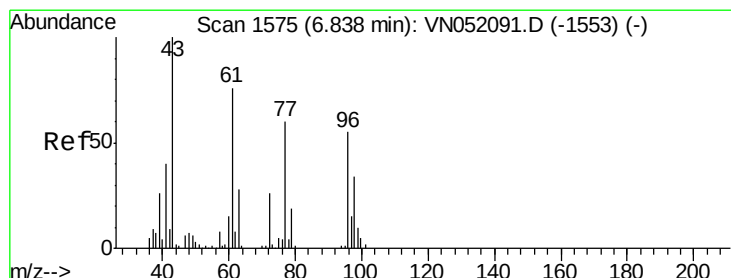
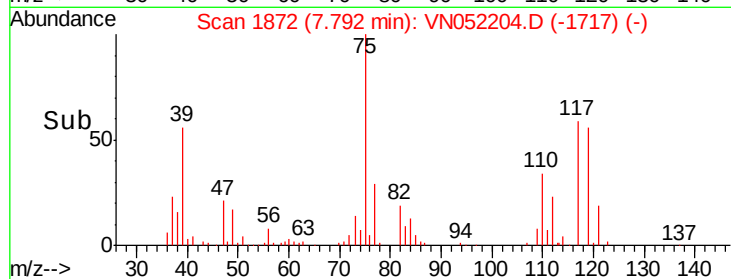
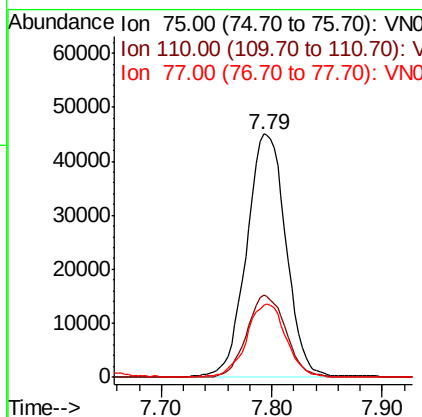
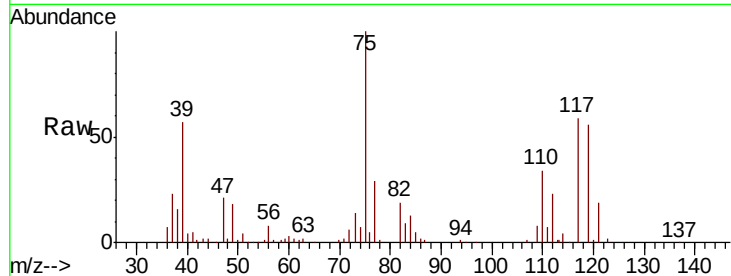
#29
 1,1-Dichloropropene
 Concen: 19.086 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.4	0.0	67.6
77	30.1	0.0	60.2

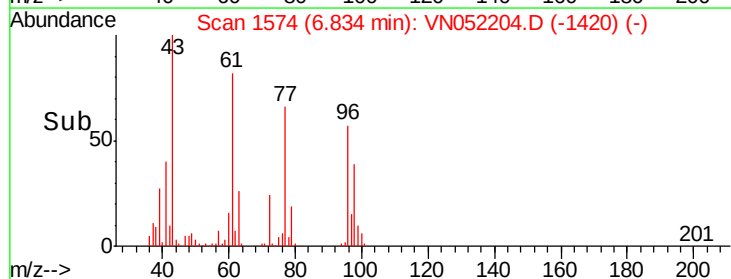
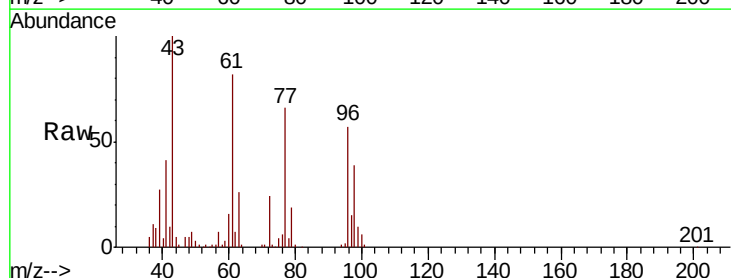
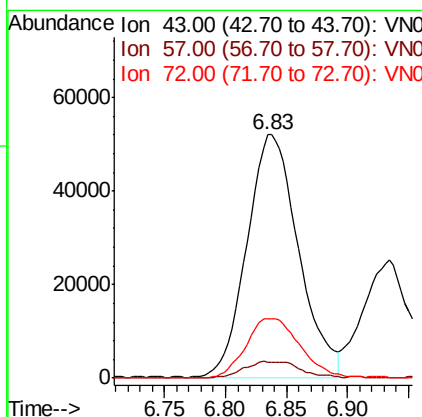
Manual Integrations
 APPROVED

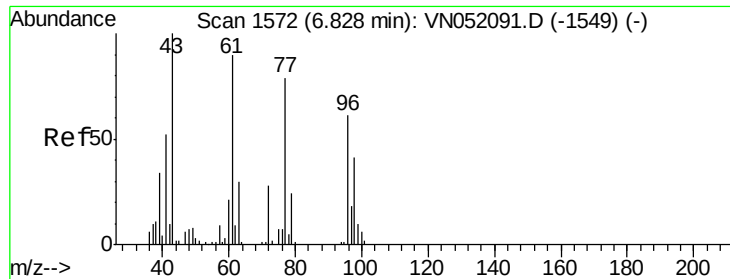
MMDadoda
 11/8/2018 9:13:56 AM



#30
 2-Butanone
 Concen: 97.336 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
43	100		
57	3.2	6.6	9.8#
72	12.6	9.2	13.8





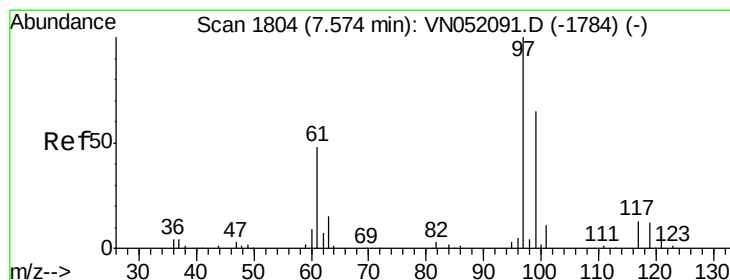
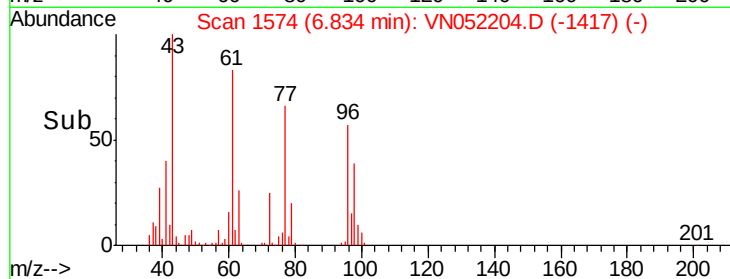
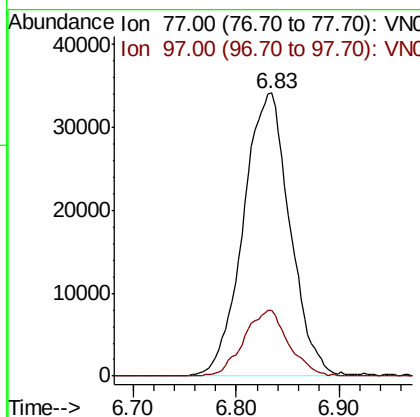
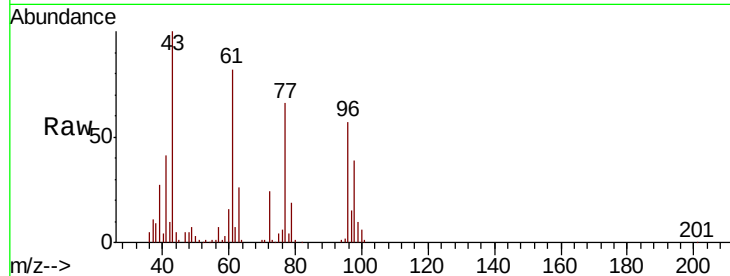
#31
 2,2-Dichloropropane
 Concen: 17.737 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
77	100		
97	22.2	18.2	27.2

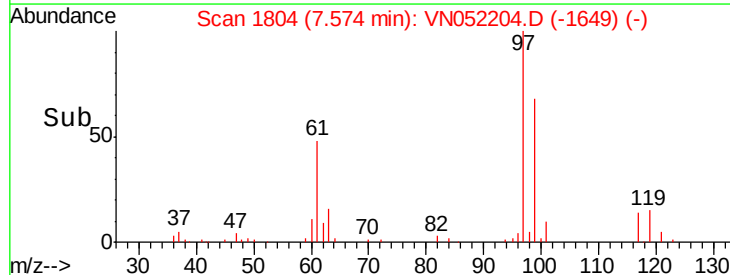
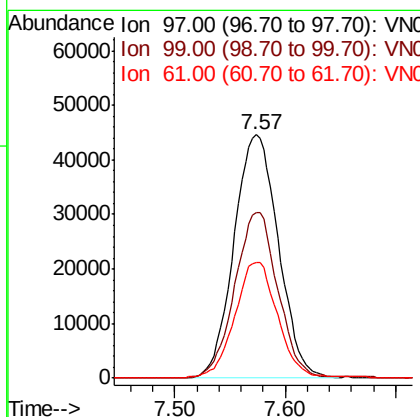
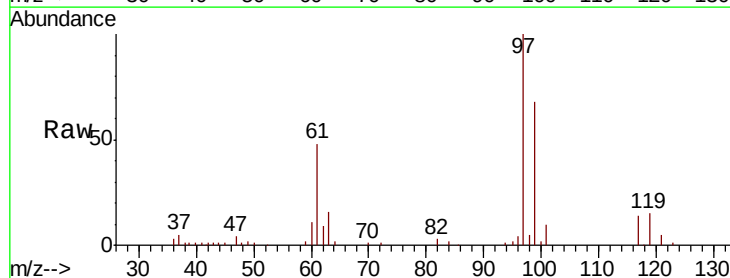
Manual Integrations
 APPROVED

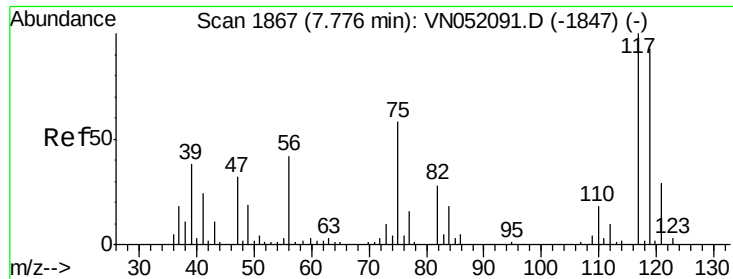
MMDadoda
 11/8/2018 9:13:56 AM



#32
 1,1,1-Trichloroethane
 Concen: 18.977 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.7	77.5
61	45.8	38.7	58.1





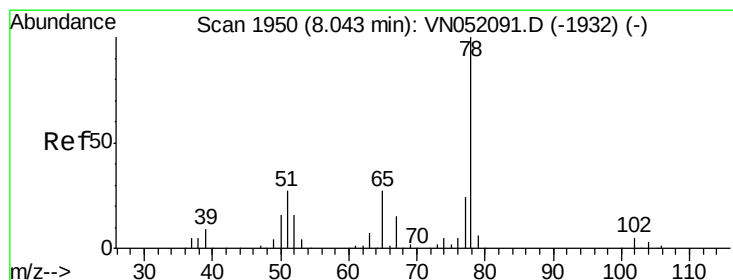
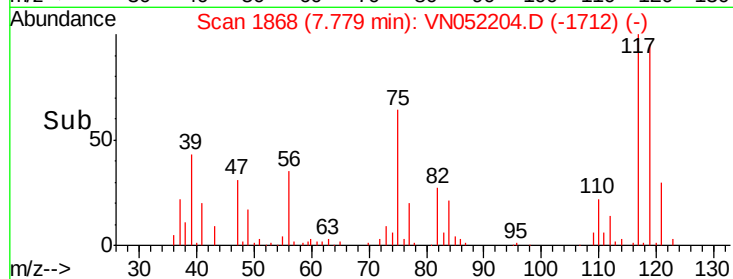
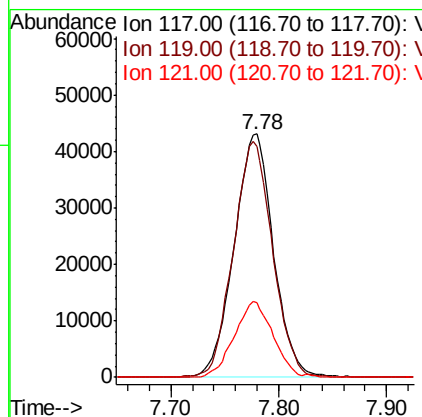
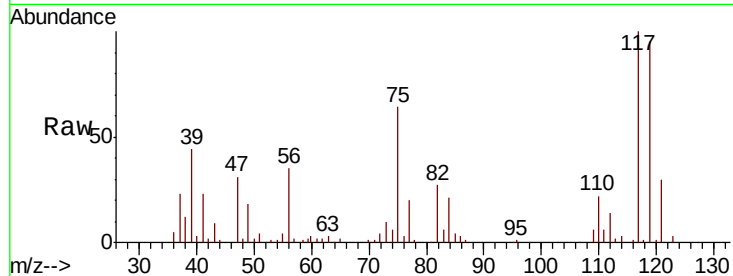
#33
Carbon Tetrachloride
Concen: 18.719 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.6	74.7	112.1
121	30.5	23.4	35.0

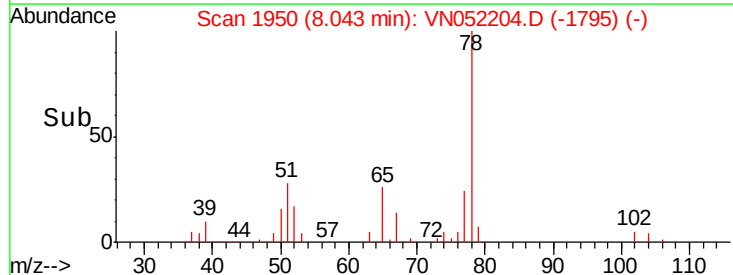
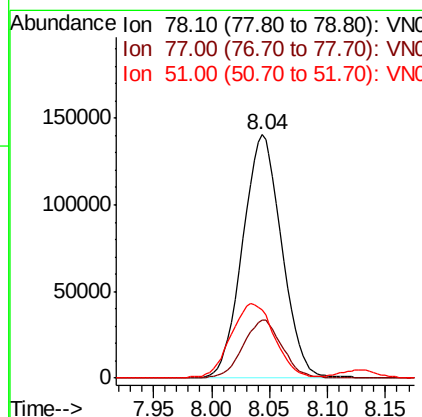
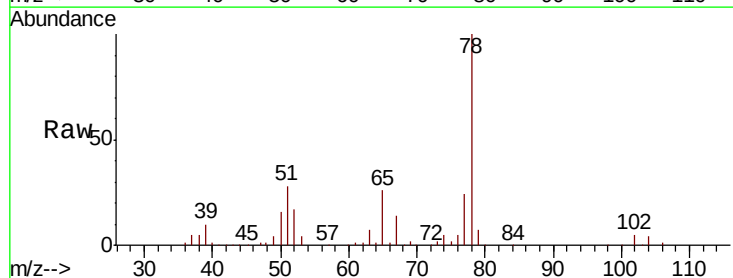
Manual Integrations
APPROVED

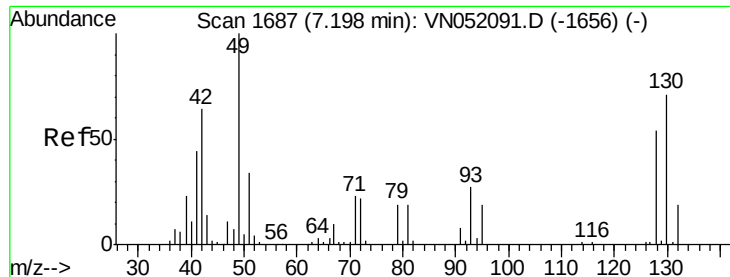
MMDadoda
11/8/2018 9:13:56 AM



#34
Benzene
Concen: 19.183 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7
51	27.5	21.2	31.8





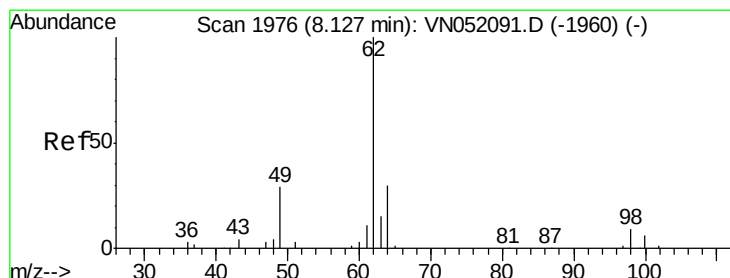
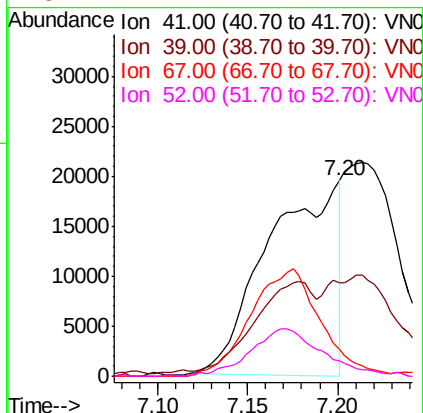
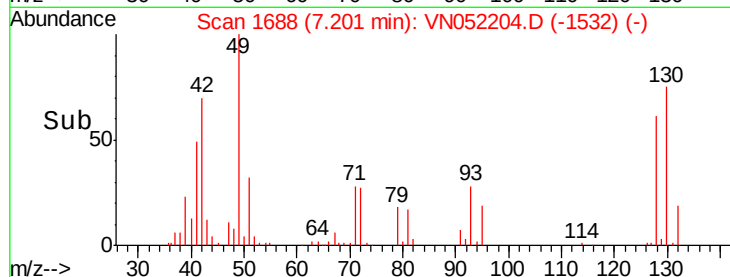
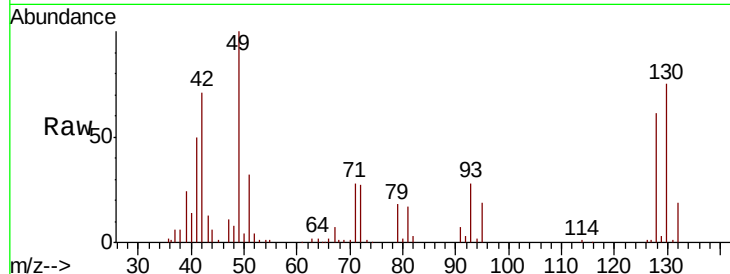
#35
Methacrylonitrile
Concen: 24.904 ug/l m
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	41	Resp	53373
Ion	Ratio	Lower	Upper
41	100		
39	48.1	26.1	78.3
67	13.5	11.0	33.0
52	7.7	4.7	14.1

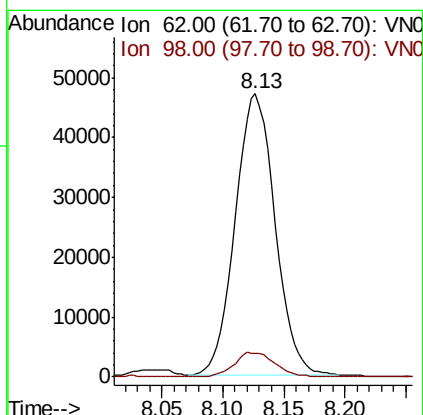
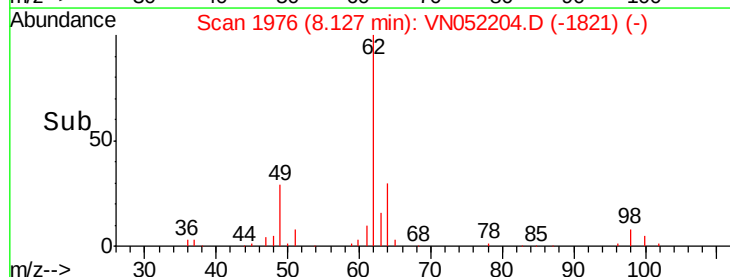
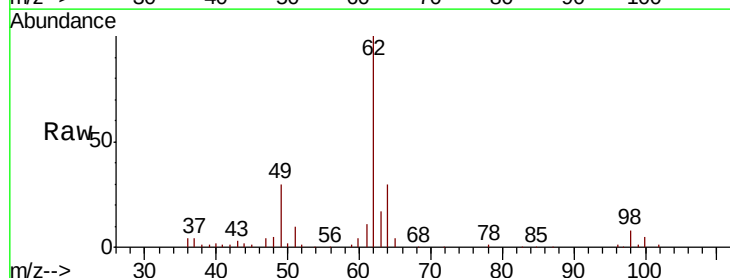
Manual Integrations
APPROVED

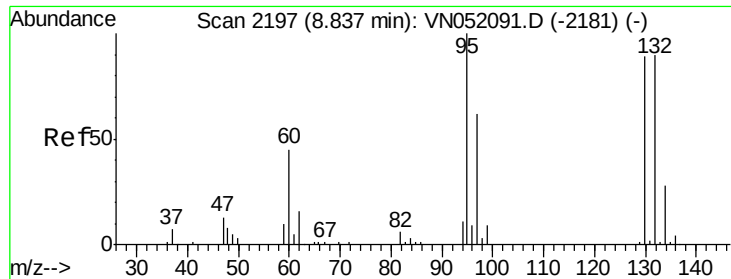
MMDadoda
11/8/2018 9:13:56 AM



#36
1,2-Dichloroethane
Concen: 18.520 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Tgt Ion	62	Resp	106378
Ion	Ratio	Lower	Upper
62	100		
98	8.9	6.7	10.1





#37

Trichloroethene

Concen: 19.957 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052204.D

Acq: 7 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD01

Tot Ion:130 Resp: 85811

Ion Ratio Lower Upper

130 100

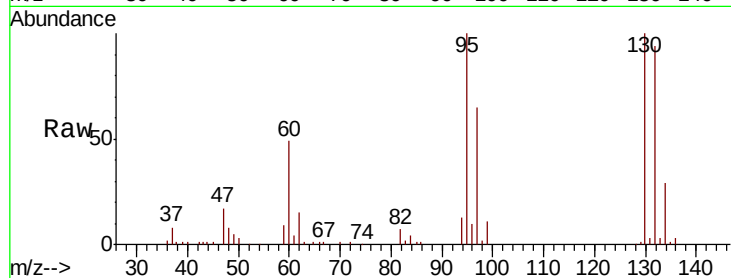
95 99.6 89.9 134.9

Manual Integrations

APPROVED

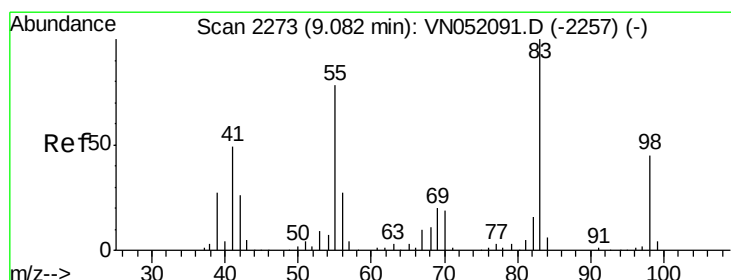
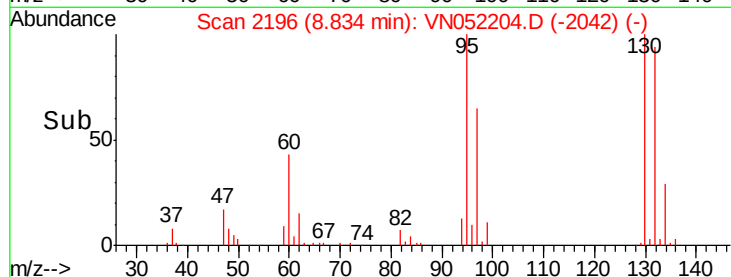
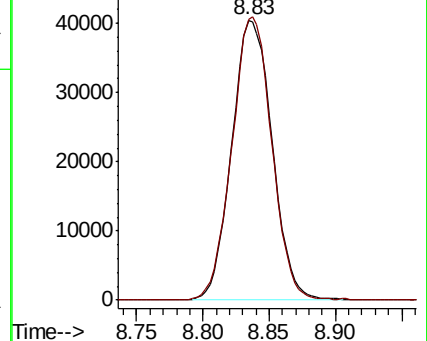
MMDadoda

11/8/2018 9:13:56 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 18.204 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN052204.D

Acq: 7 Nov 2018 13:10

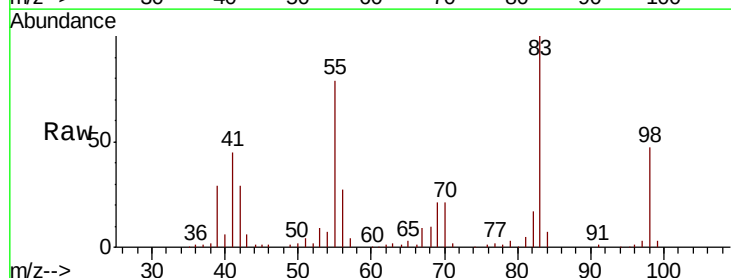
Tgt Ion: 83 Resp: 130290

Ion Ratio Lower Upper

83 100

55 77.1 38.5 115.3

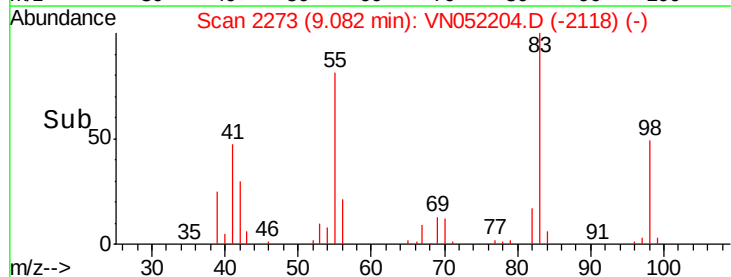
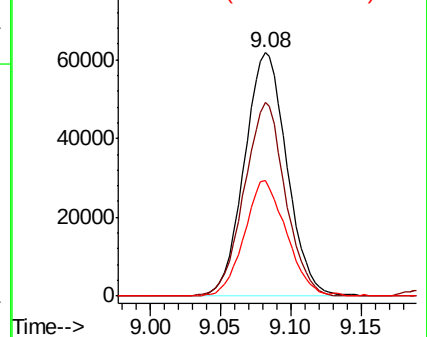
98 46.9 23.2 69.6

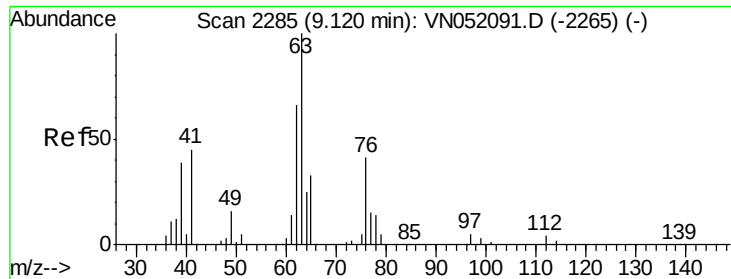


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





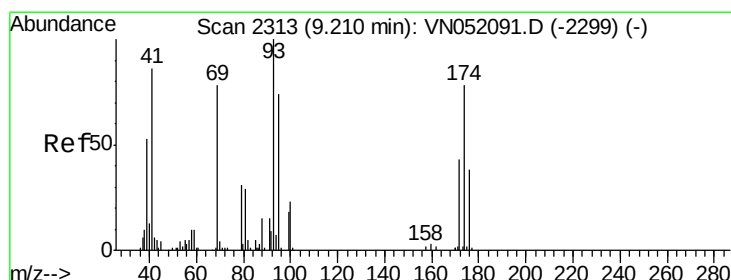
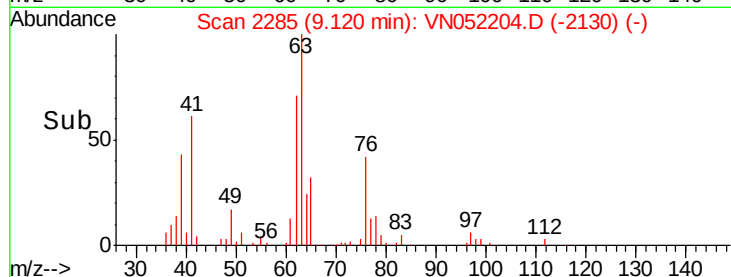
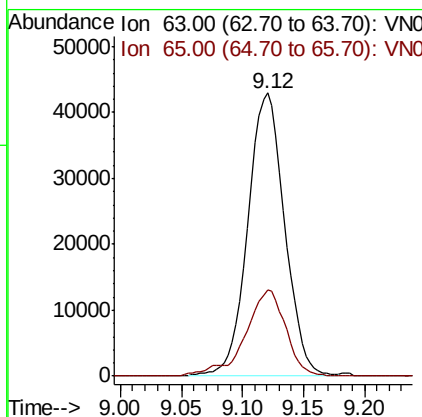
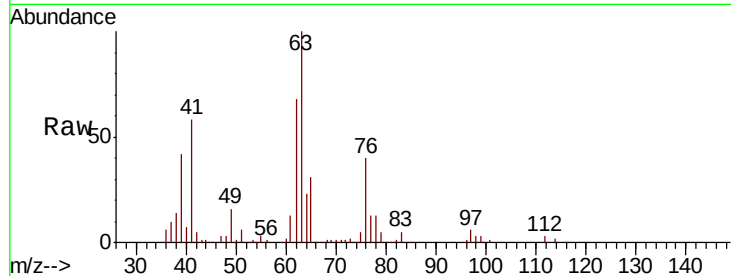
#39
 1,2-Dichloropropane
 Concen: 19.589 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	27.3	40.9

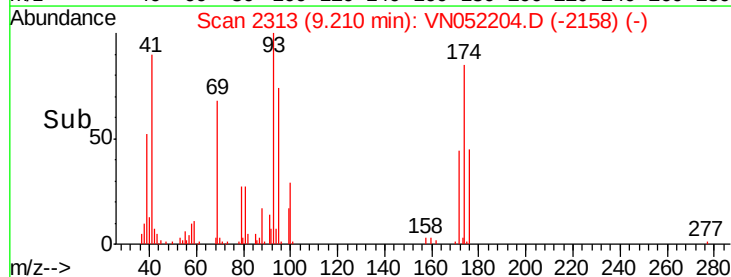
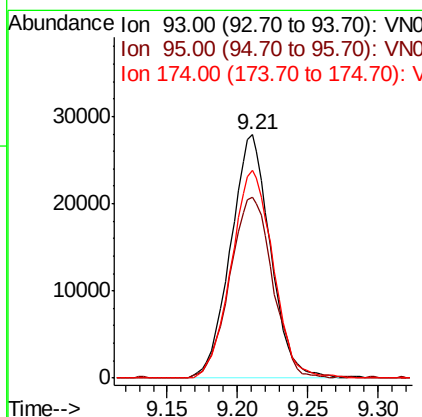
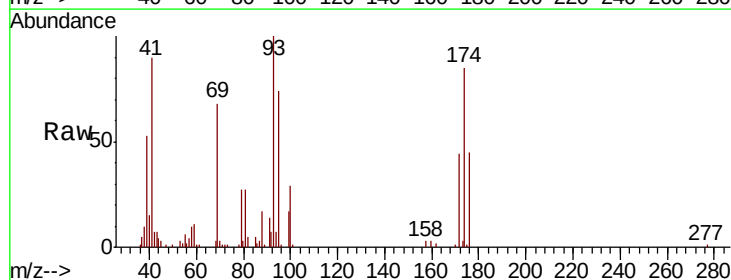
Manual Integrations
 APPROVED

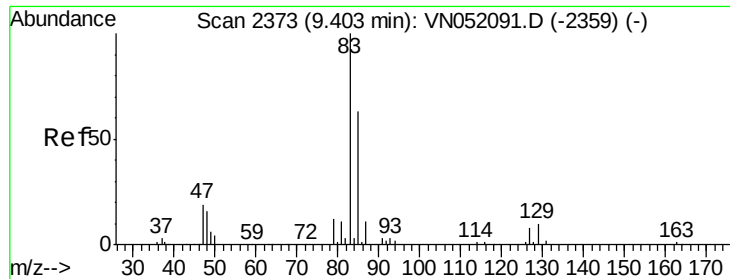
MMDadoda
 11/8/2018 9:13:56 AM



#40
 Dibromomethane
 Concen: 19.514 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.0	0.0	161.2
174	89.4	0.0	165.0





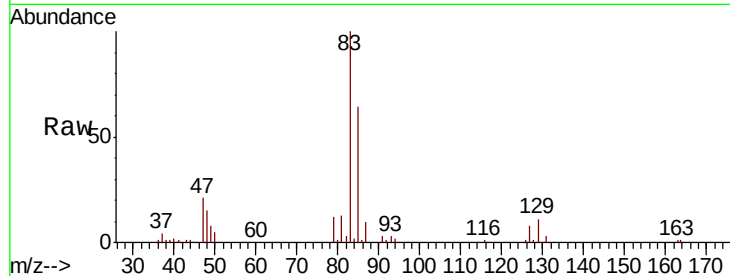
#41
Bromodichloromethane
Concen: 18.615 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

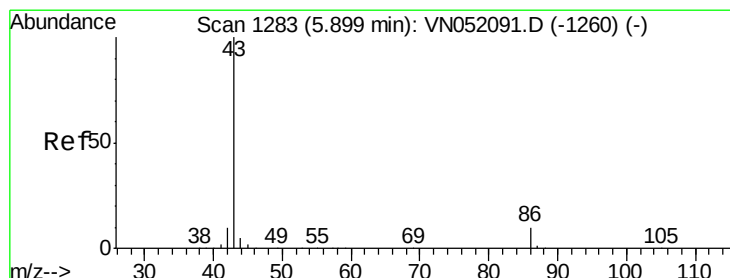
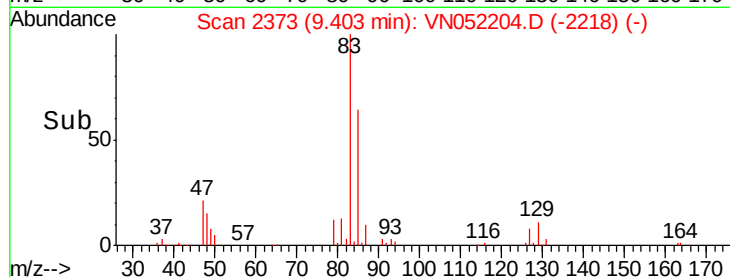
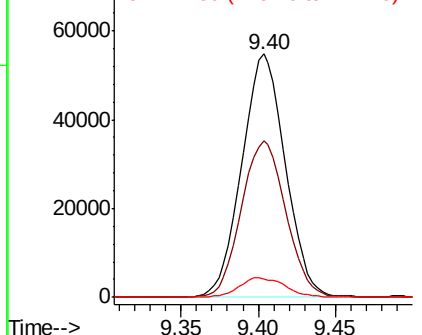
Tot Ion	83	Resp	107361
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	50.2	75.2
127	7.5	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:13:56 AM

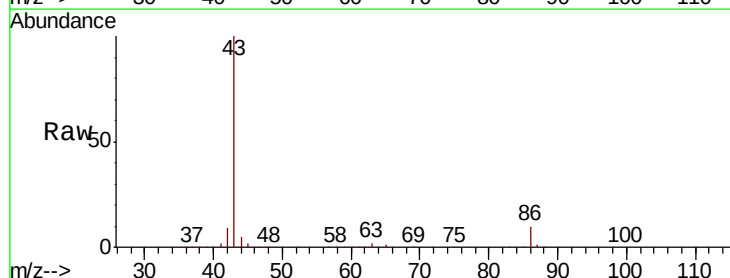


Abundance Ion 83.00 (82.70 to 83.70): VN052091.D (-2359) (-)

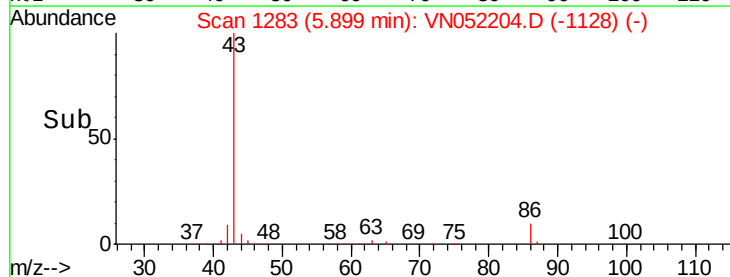
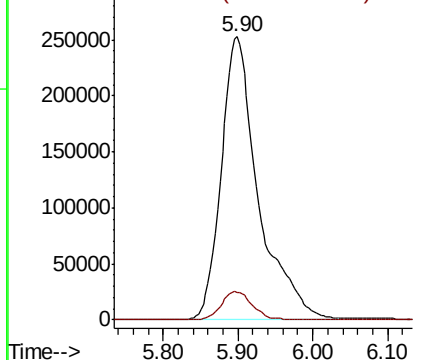


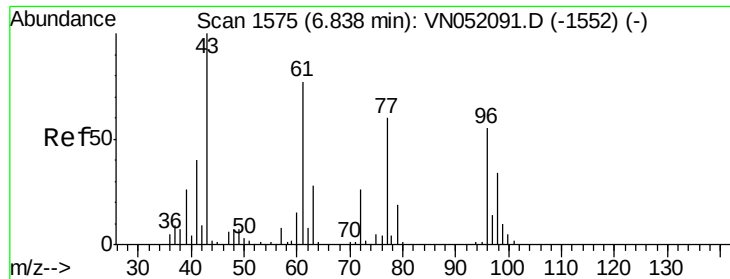
#42
Vinyl Acetate
Concen: 94.747 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Tgt Ion	43	Resp	866661
Ion Ratio	100	Lower	Upper
43	100		
86	8.1	6.6	10.0



Abundance Ion 43.00 (42.70 to 43.70): VN052091.D (-1260) (-)





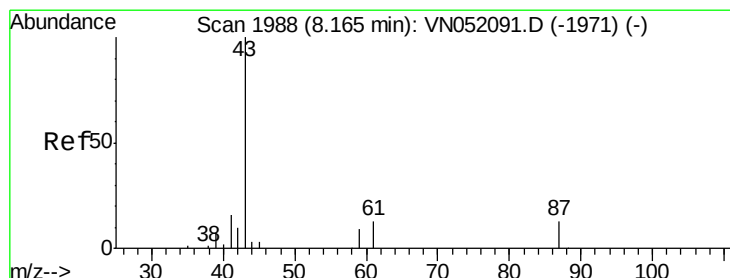
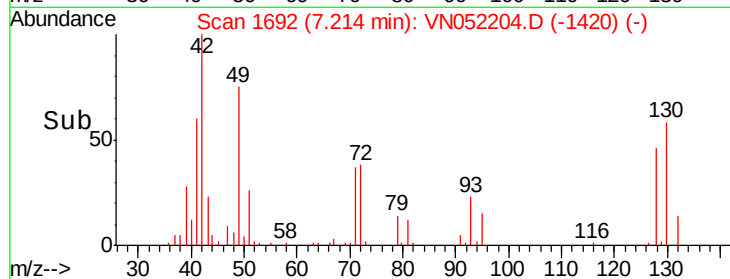
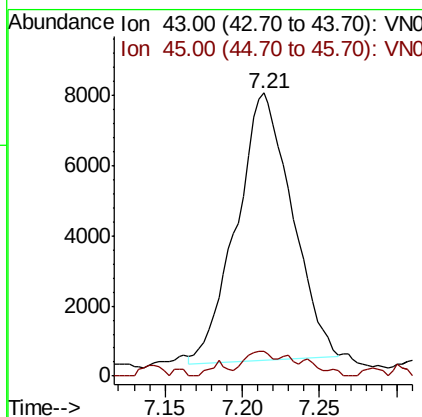
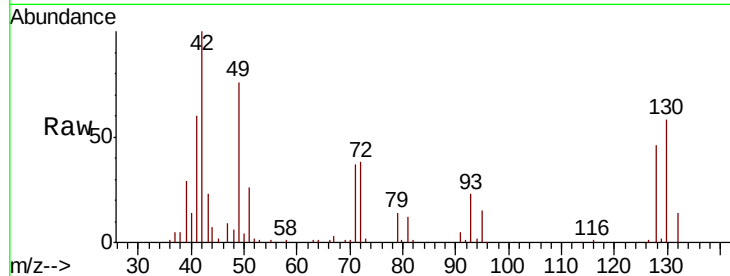
#43
Ethyl Acetate
Concen: 2.435 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.38 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion: 43 Resp: 19118
Ion Ratio Lower Upper
43 100
45 5.0 3.8 5.8

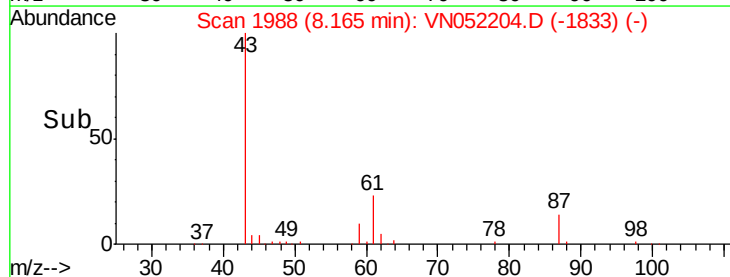
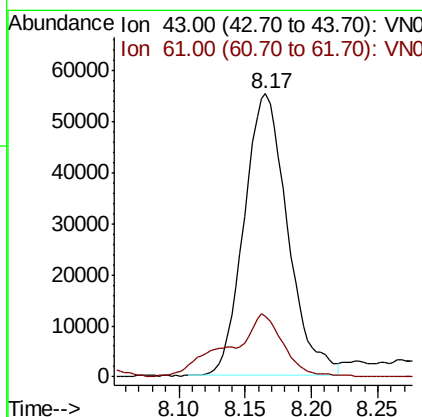
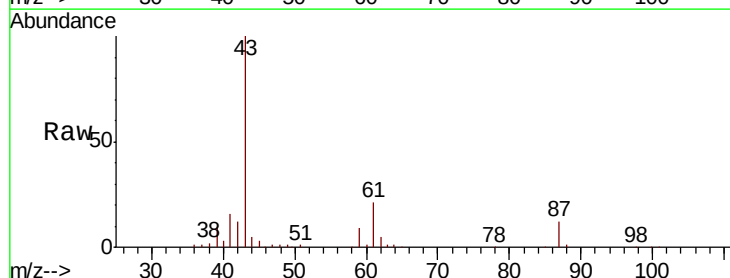
Manual Integrations
APPROVED

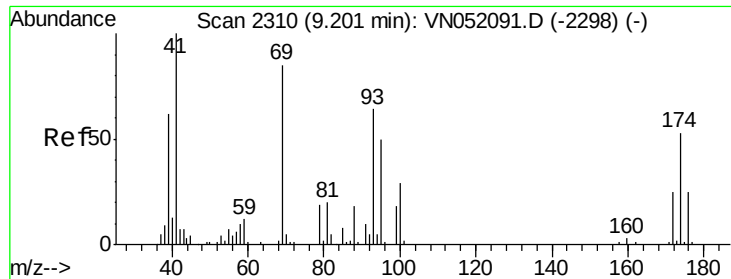
MMDadoda
11/8/2018 9:13:56 AM



#44
Isopropyl Acetate
Concen: 19.449 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Tgt Ion: 43 Resp: 126442
Ion Ratio Lower Upper
43 100
61 16.6 16.2 24.2





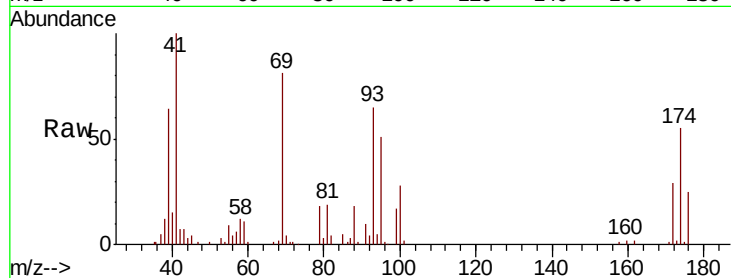
#45
1,4-Dioxane
Concen: 392.407 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

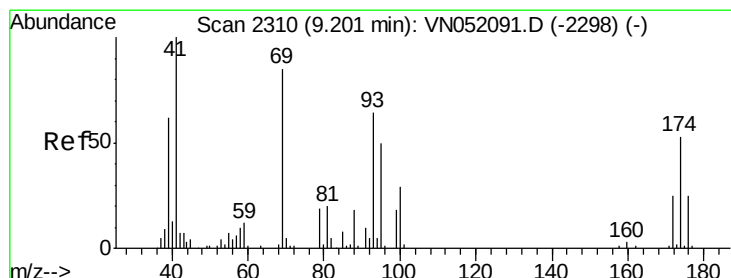
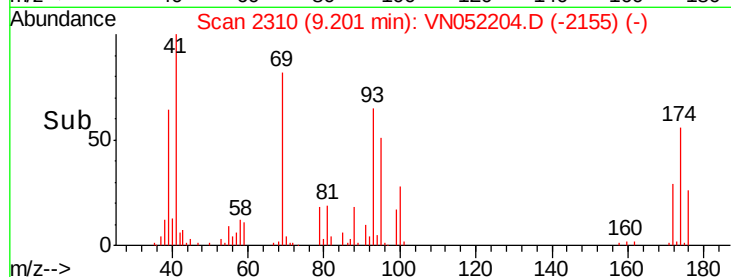
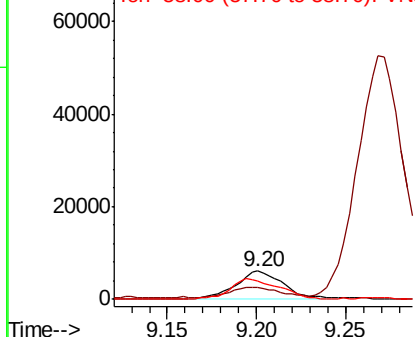
Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	28.6	43.0
58	72.3	37.8	56.8#

Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:13:56 AM



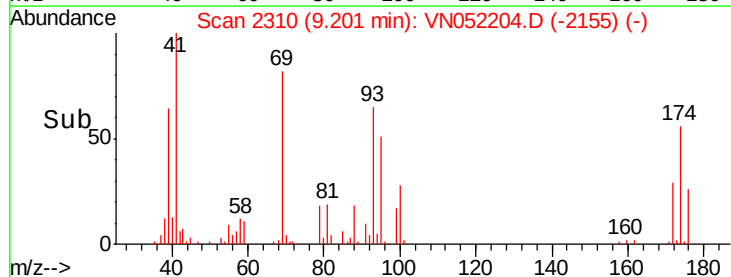
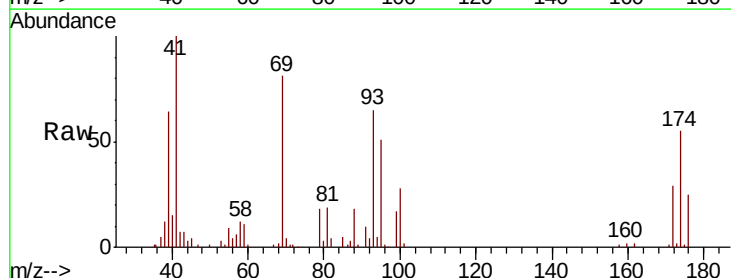
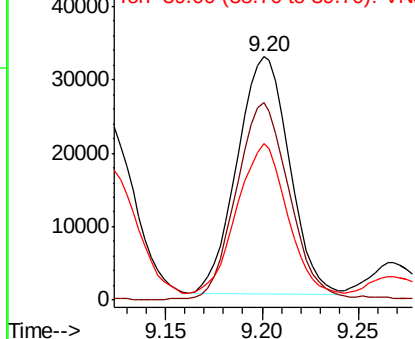
Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

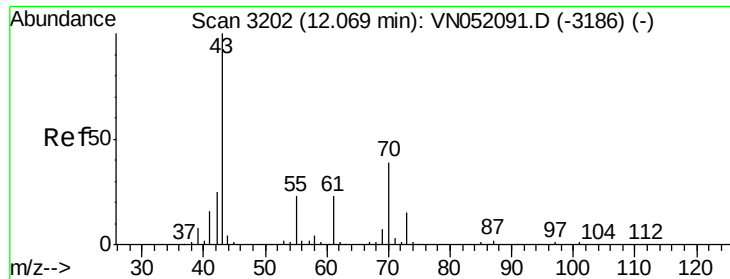


#46
Methyl methacrylate
Concen: 18.833 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.8	42.5	127.6
39	63.4	31.1	93.3

Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 19.504 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052204.D

Acq: 7 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD01

Tot Ion: 43 Resp: 114937

Ion Ratio Lower Upper

43 100

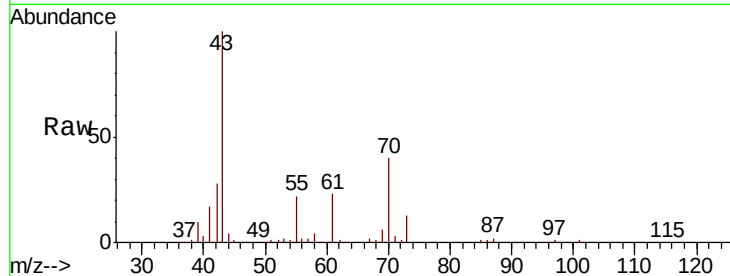
55 23.0 0.0 0.0#

Manual Integrations

APPROVED

MMDadoda

11/8/2018 9:13:56 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

80000

60000

40000

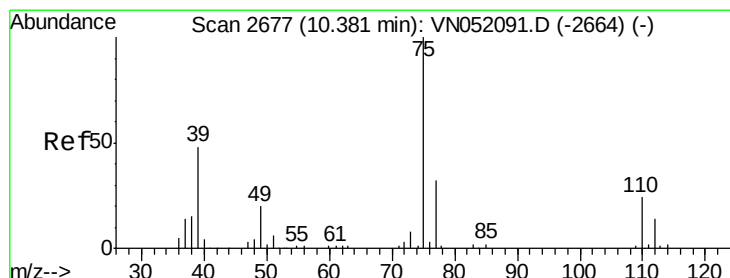
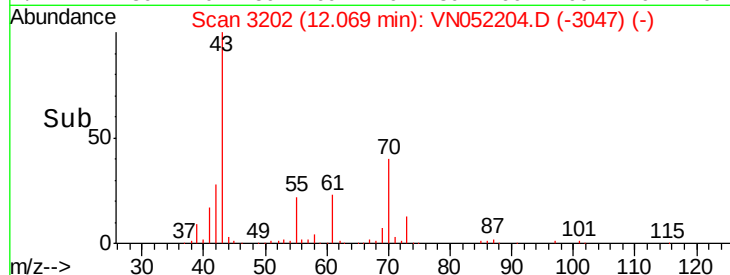
20000

0

12.07

12.00 12.05 12.10

Time-->



#48

t-1,3-Dichloropropene

Concen: 17.680 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052204.D

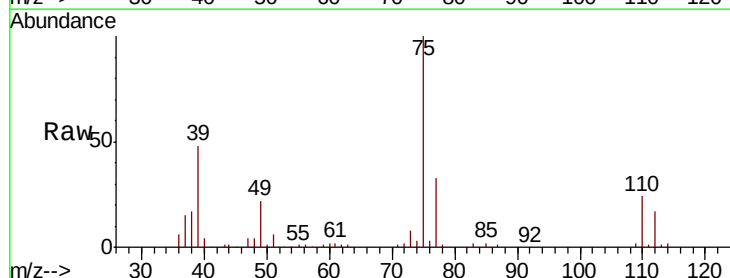
Acq: 7 Nov 2018 13:10

Tgt Ion: 75 Resp: 101253

Ion Ratio Lower Upper

75 100

77 32.4 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

60000

40000

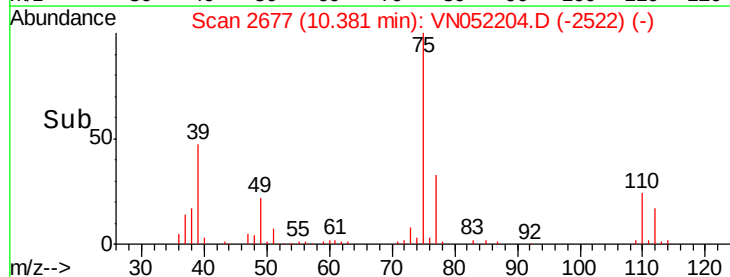
20000

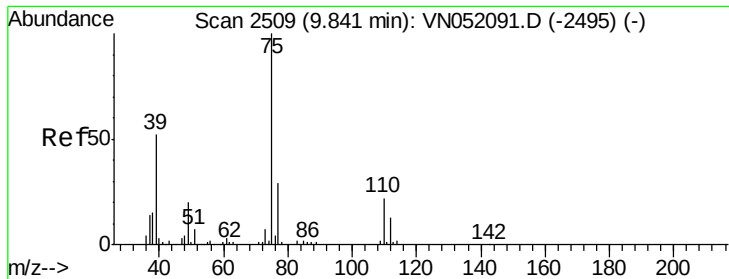
0

10.38

10.30 10.35 10.40 10.45

Time-->





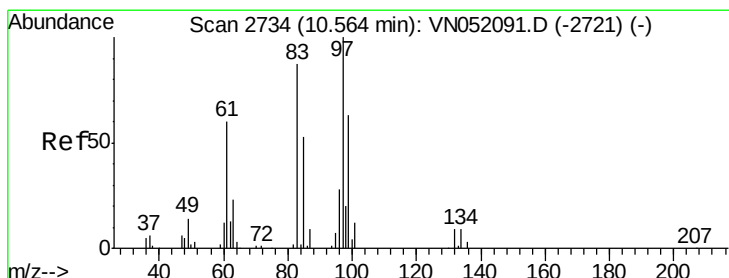
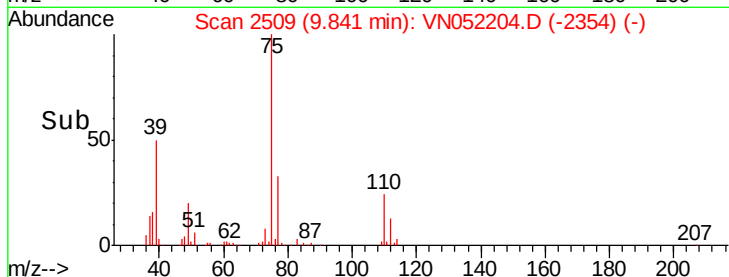
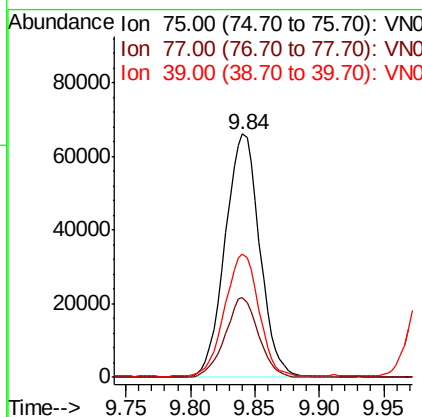
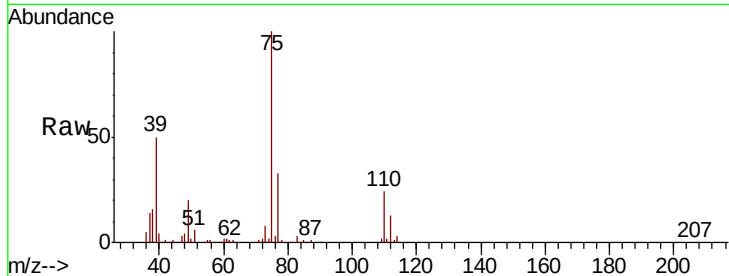
#49
 cis-1,3-Dichloropropene
 Concen: 18.660 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	23.3	34.9
39	49.7	41.6	62.4

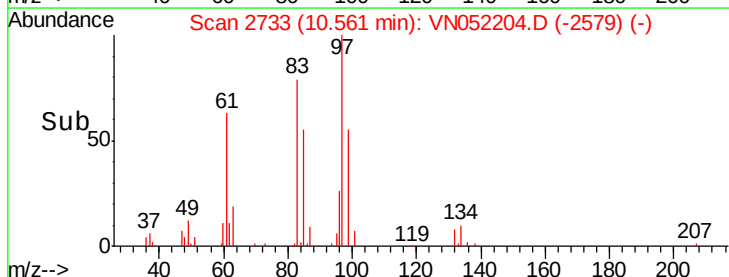
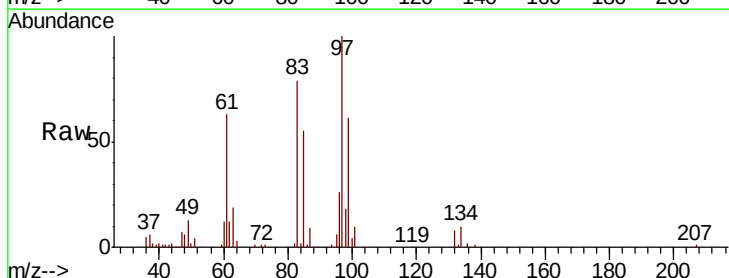
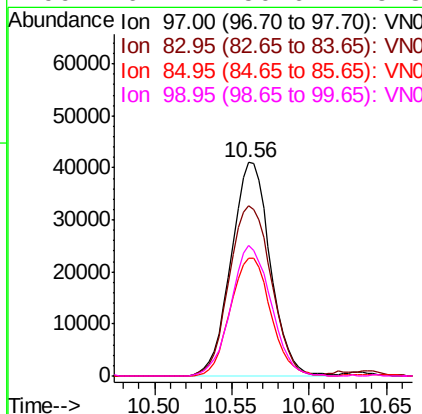
Manual Integrations
 APPROVED

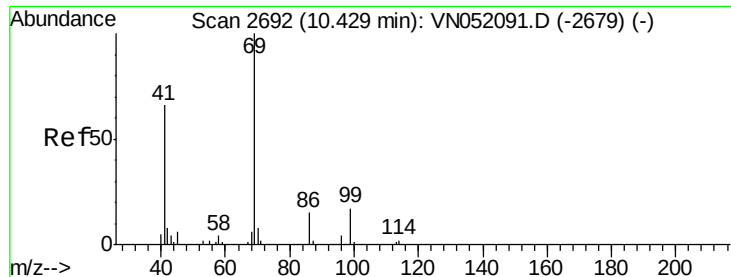
MMDadoda
 11/8/2018 9:13:56 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.417 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
97	100		
83	79.4	69.4	104.0
85	55.2	42.7	64.1
99	61.2	50.6	75.8





#51

Ethyl methacrylate

Concen: 19.478 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052204.D

Acq: 7 Nov 2018 13:10

Instrument :

MSVOA_N

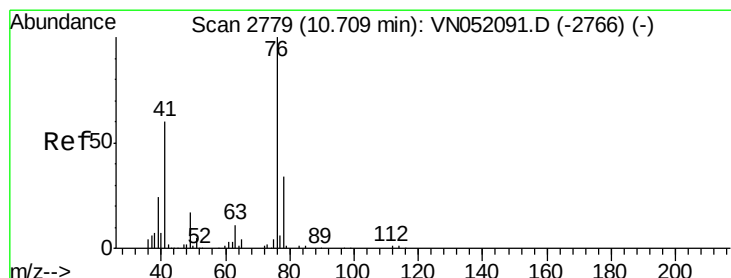
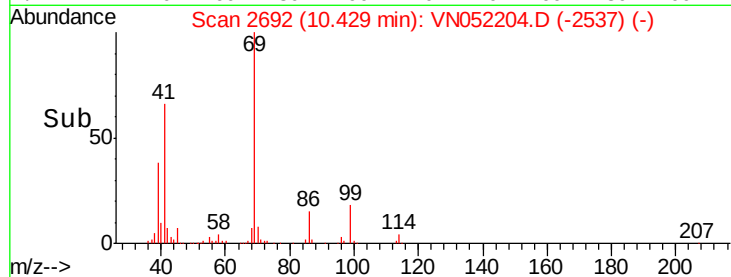
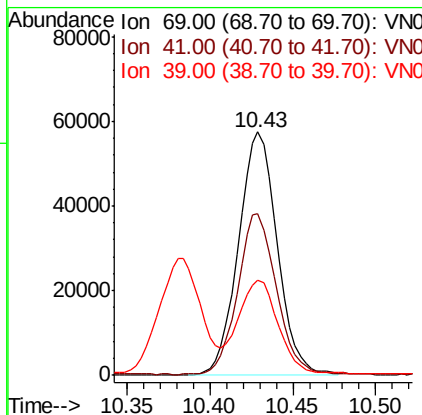
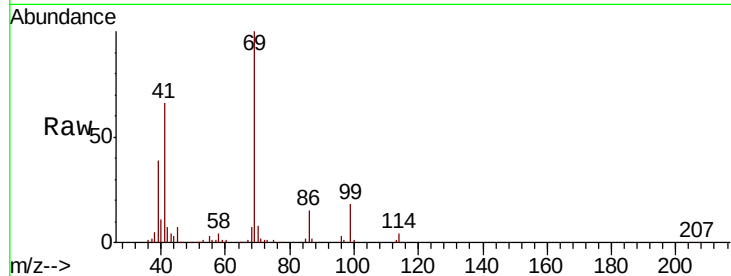
ClientSampleId :

VN1107WBSD01

Tot Ion:	69	Resp:	93830
Ion	Ratio	Lower	Upper
69	100		
41	65.6	33.0	99.0
39	37.8	20.7	62.1

Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:13:56 AM



#52

1,3-Dichloropropane

Concen: 19.149 ug/l

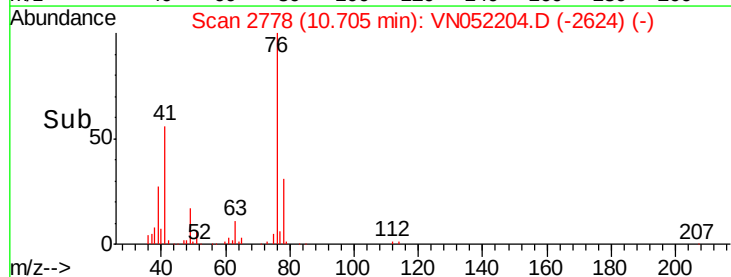
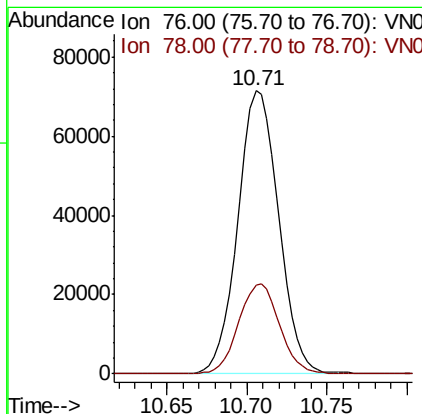
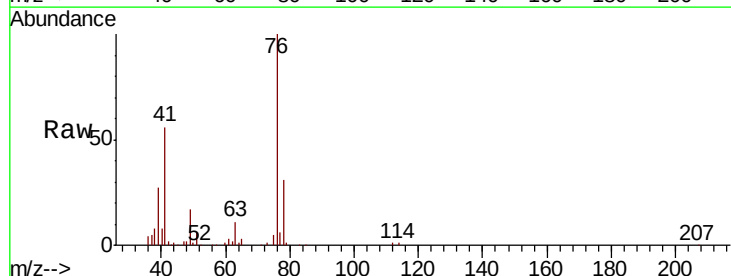
RT: 10.71 min Scan# 2778

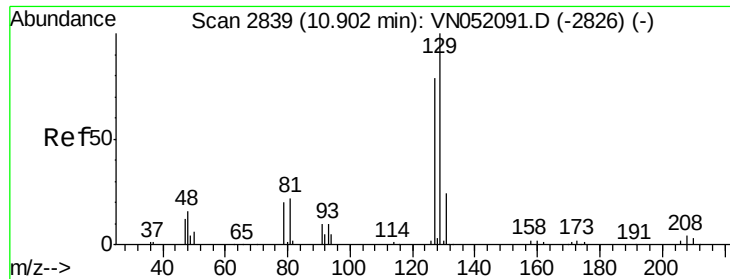
Delta R.T. -0.00 min

Lab File: VN052204.D

Acq: 7 Nov 2018 13:10

Tgt Ion:	76	Resp:	124329
Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	65.0





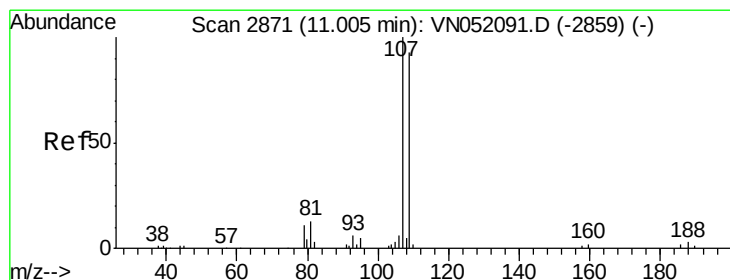
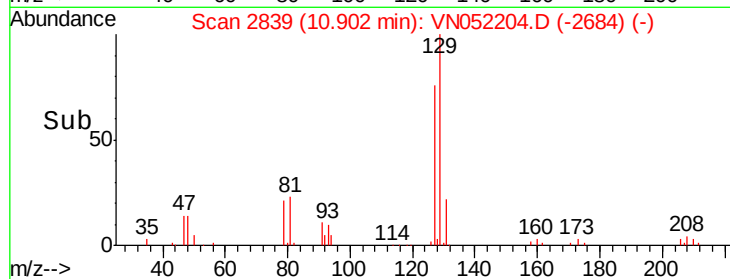
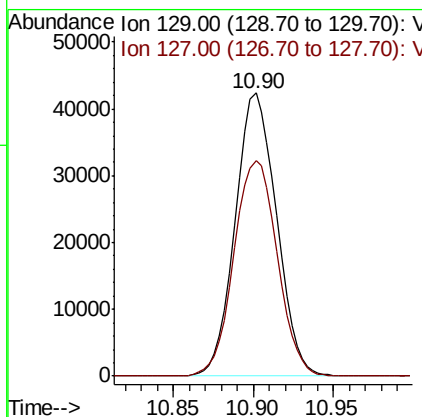
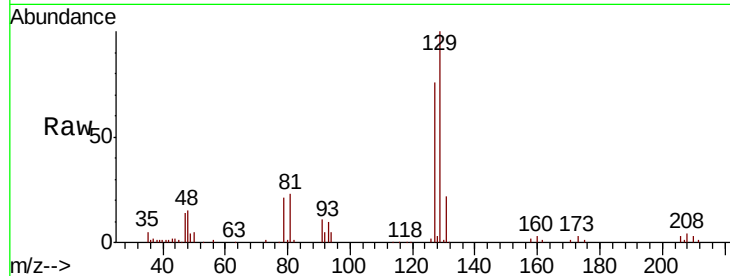
#53
 Dibromochloromethane
 Concen: 18.553 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
129	100		
127	80.0	39.2	117.6

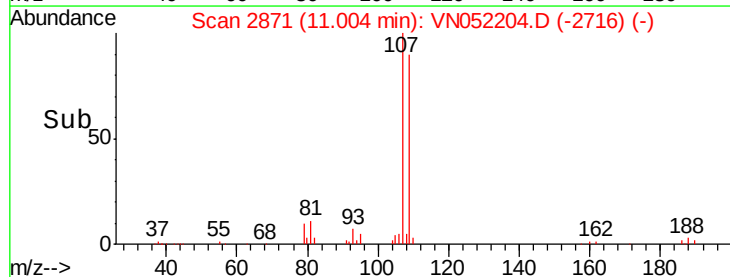
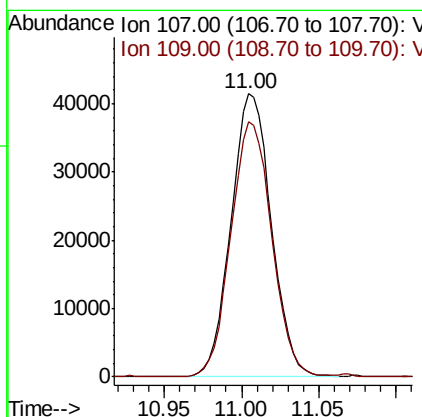
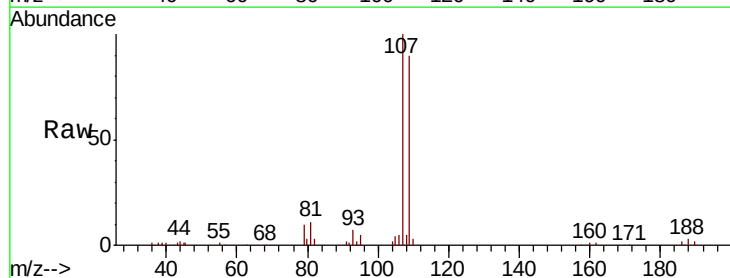
Manual Integrations
 APPROVED

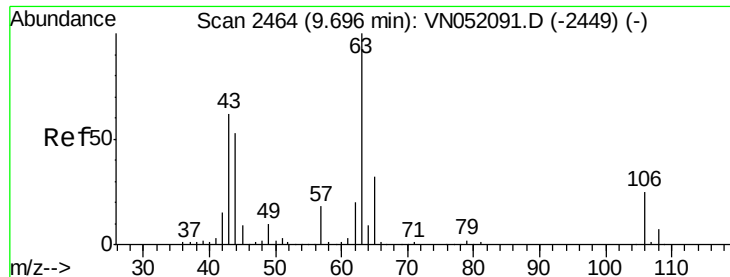
MMDadoda
 11/8/2018 9:13:56 AM



#54
 1,2-Dibromoethane
 Concen: 19.805 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.9	77.0	115.6





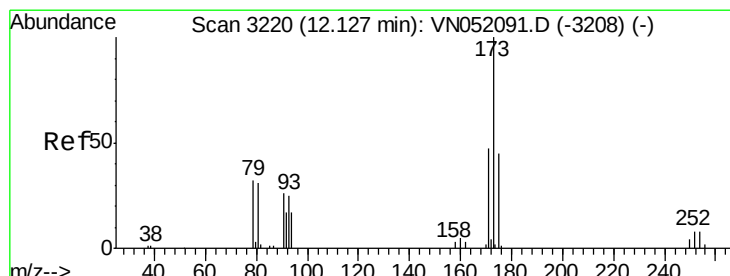
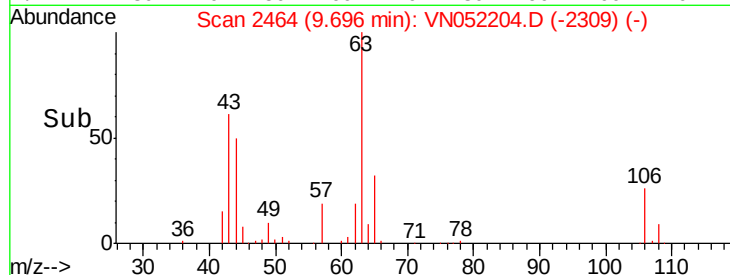
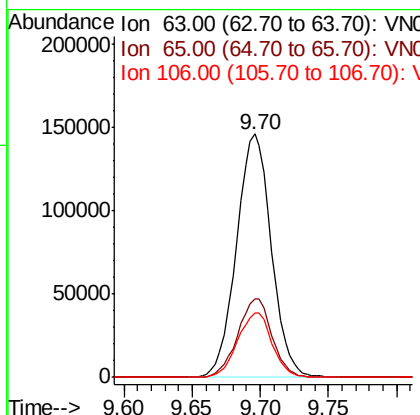
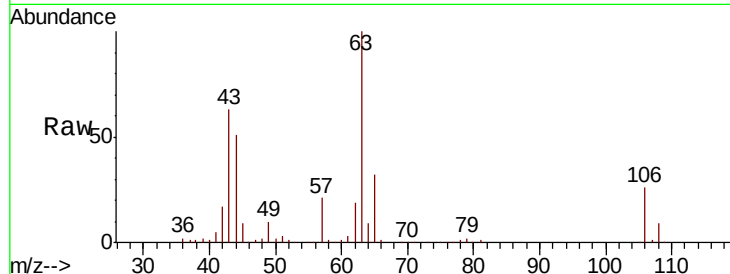
#55
2-Chloroethyl vinyl ether
Concen: 98.174 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.5	38.3
106	26.3	20.4	30.6

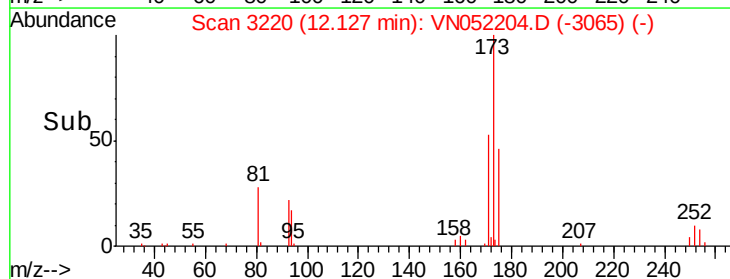
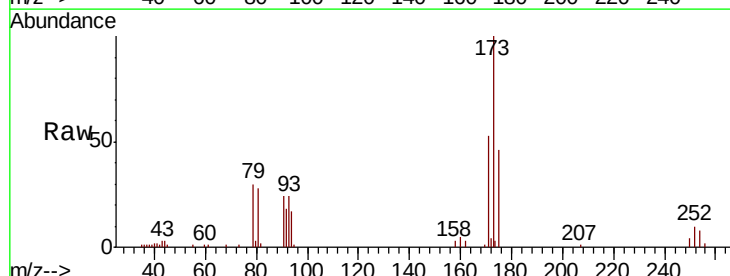
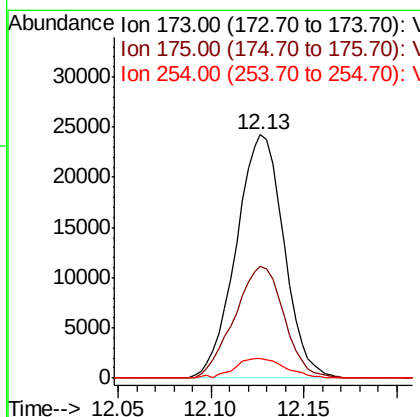
Manual Integrations
APPROVED

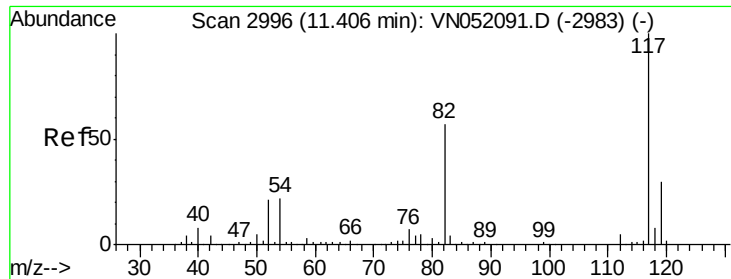
MMDadoda
11/8/2018 9:13:56 AM



#56
Bromoform
Concen: 18.679 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.9	37.3	55.9
254	8.3	7.0	10.6





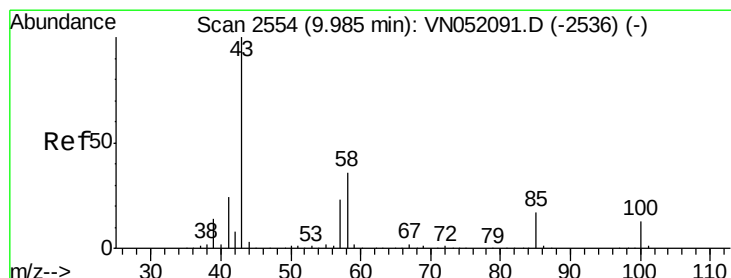
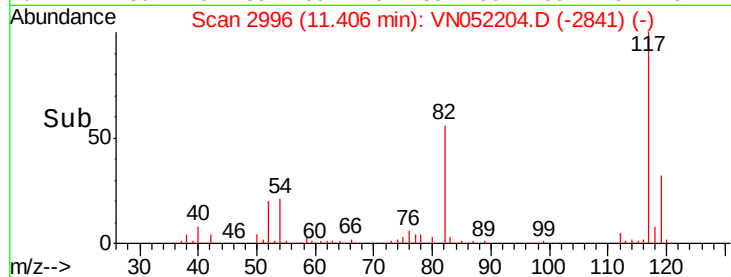
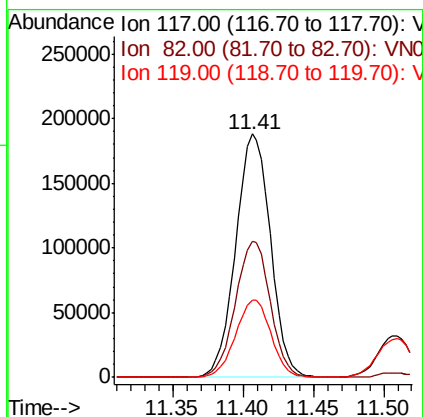
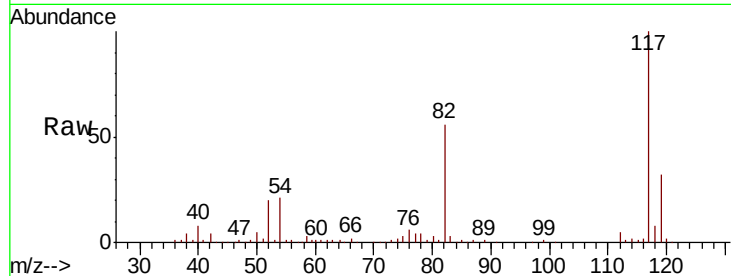
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.0	67.6
119	32.3	24.2	36.4

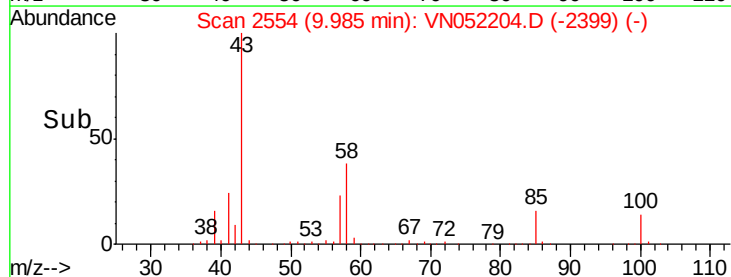
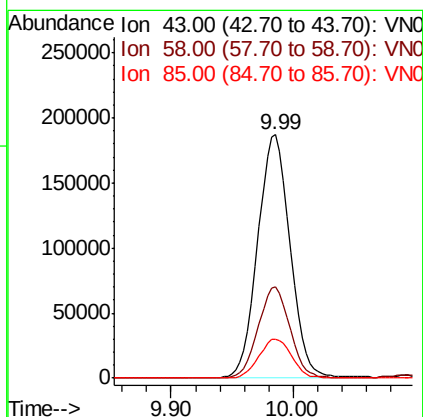
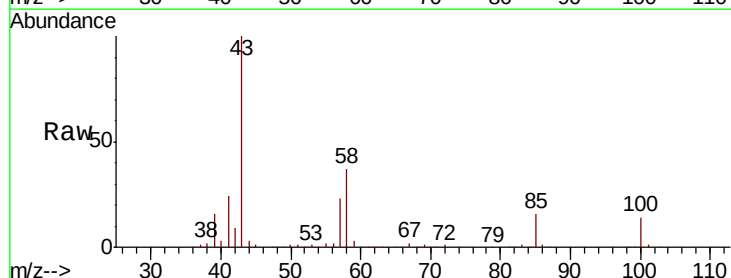
Manual Integrations
APPROVED

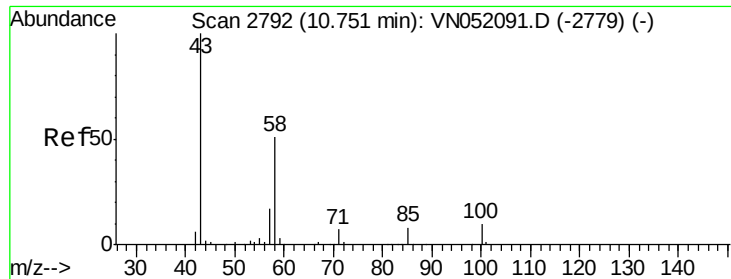
MMDadoda
11/8/2018 9:13:56 AM



#58
4-Methyl-2-Pentanone
Concen: 98.153 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.0	43.6
85	16.2	13.4	20.2





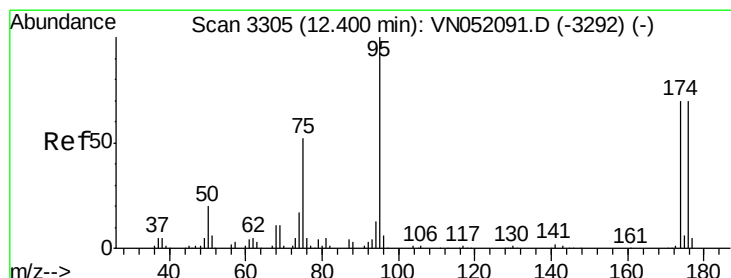
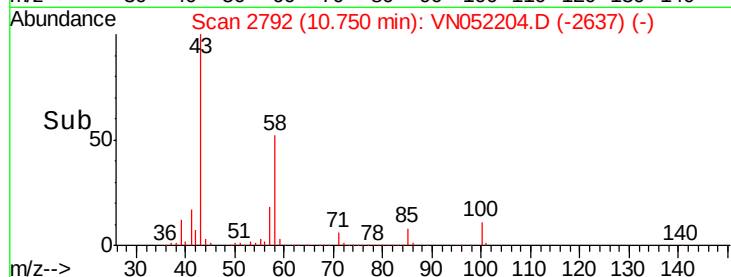
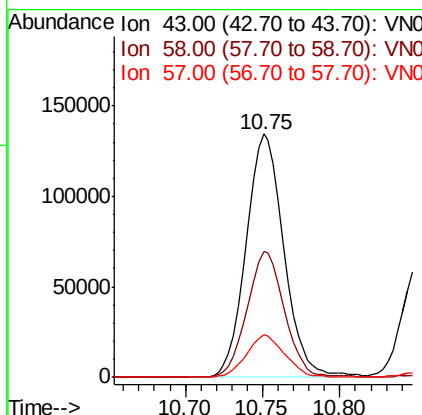
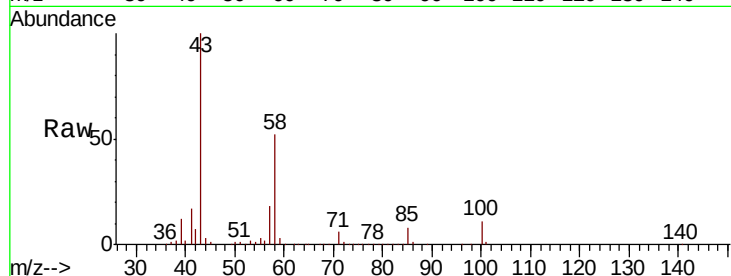
#59
2-Hexanone
Concen: 94.929 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Instrument :
MSVOA_N
ClientSampled :
VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.4	40.8	61.2
57	17.7	13.8	20.8

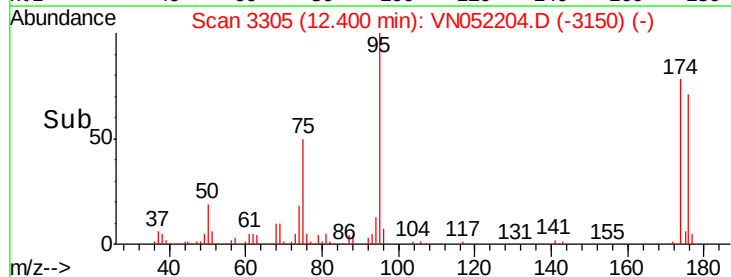
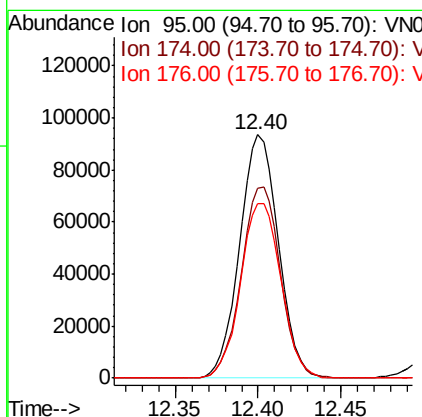
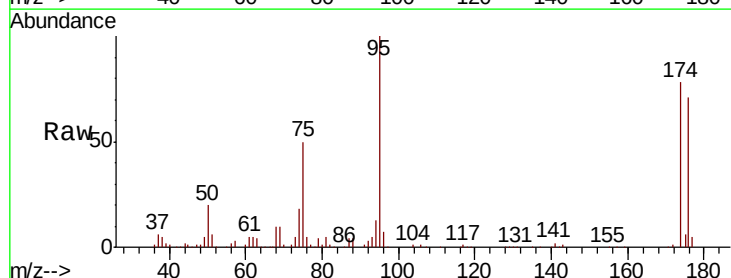
Manual Integrations
APPROVED

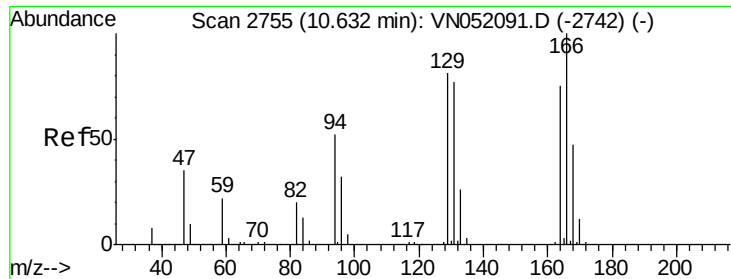
MMDadoda
11/8/2018 9:13:56 AM



#60
4-Bromofluorobenzene
Concen: 94.929 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.2	55.0	82.6
176	74.8	54.2	81.4





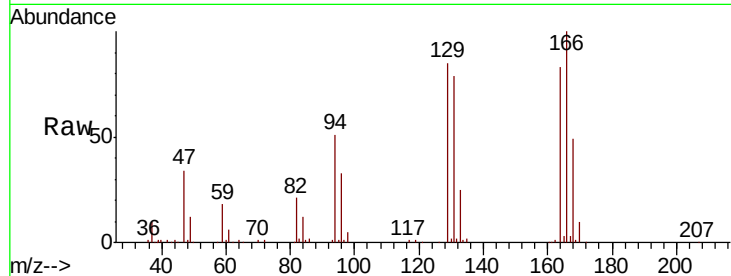
#61
Tetrachloroethene
Concen: 21.861 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	121.2	106.4	159.6
129	102.5	87.0	130.4
131	95.0	81.4	122.2

Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:13:56 AM



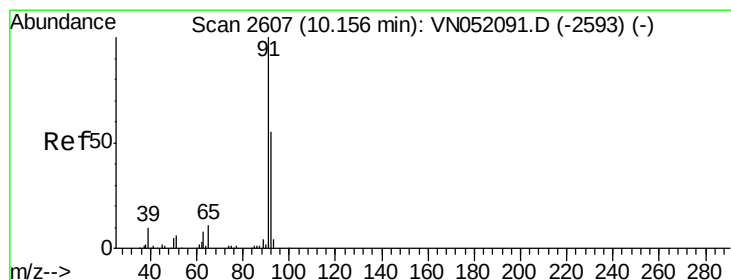
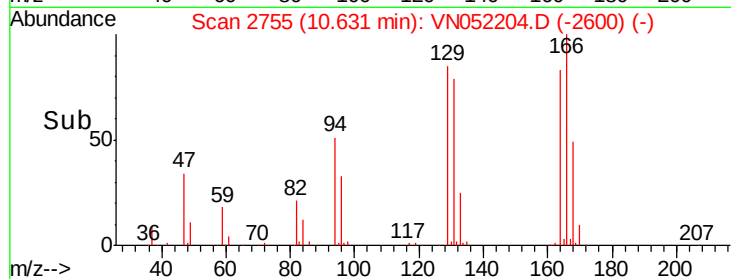
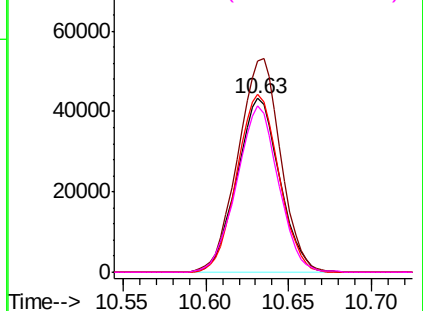
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

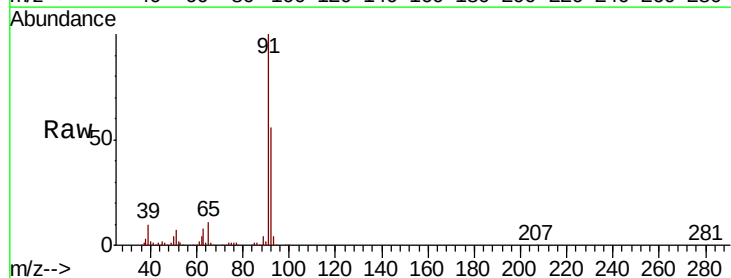
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 20.017 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

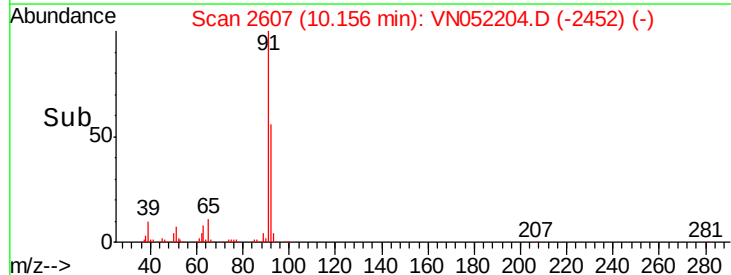
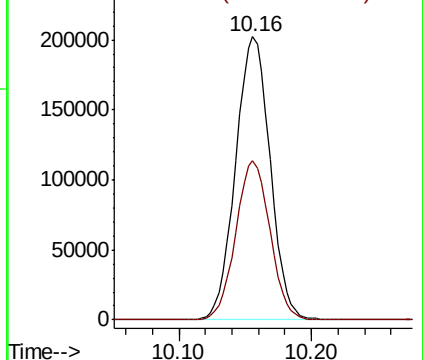
Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.6	44.6	67.0

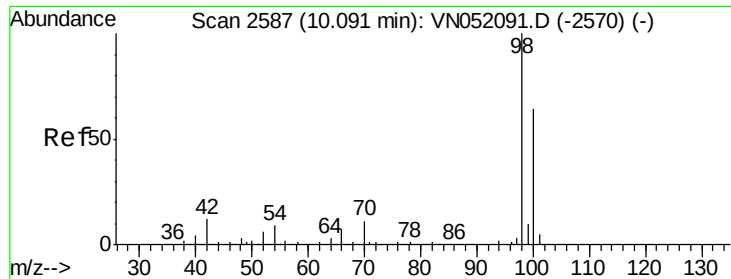


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 20.017 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052204.D

Acq: 7 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD01

Tot Ion: 98 Resp: 461771

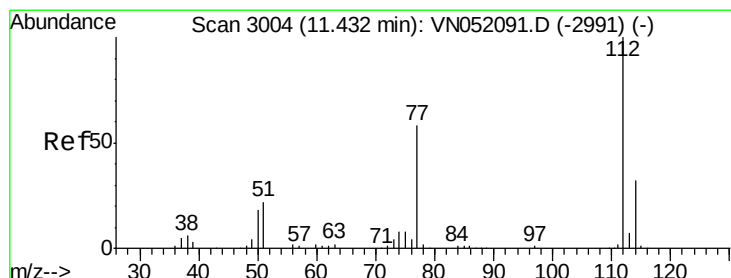
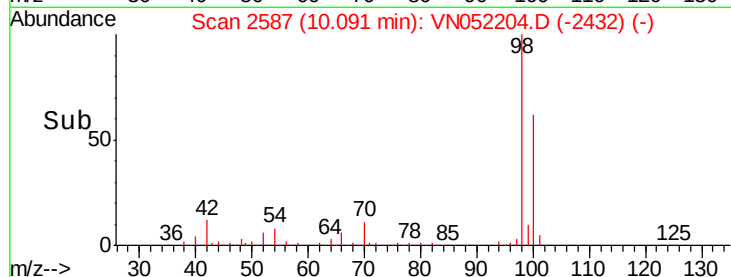
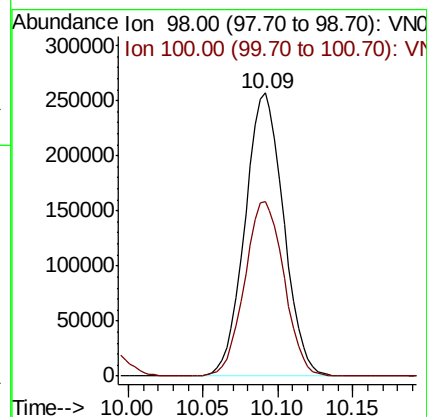
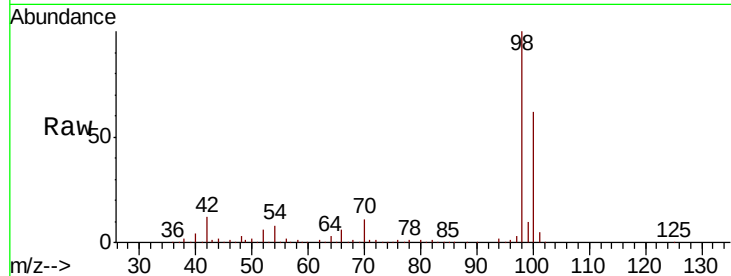
Ion Ratio Lower Upper

98 100

100 63.0 50.7 76.1

Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:13:56 AM



#64

Chlorobenzene

Concen: 19.848 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052204.D

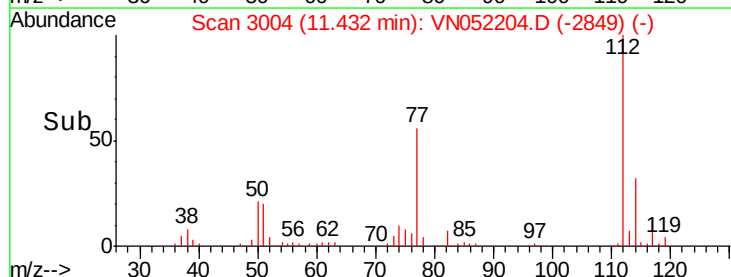
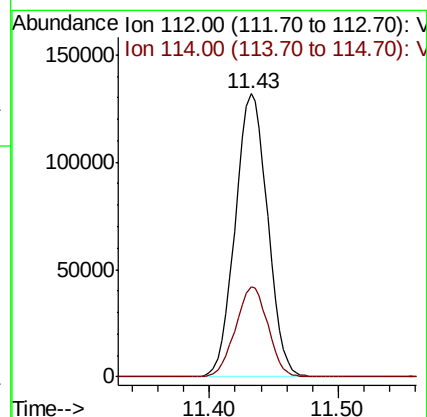
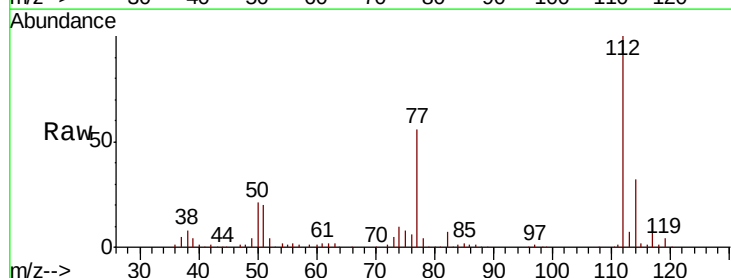
Acq: 7 Nov 2018 13:10

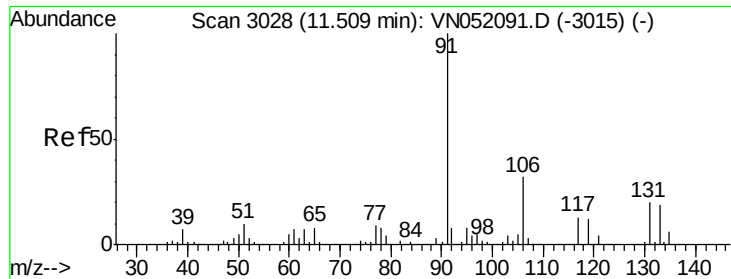
Tgt Ion: 112 Resp: 229905

Ion Ratio Lower Upper

112 100

114 31.8 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.122 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052204.D

Acq: 7 Nov 2018 13:10

Instrument :

MSVOA_N

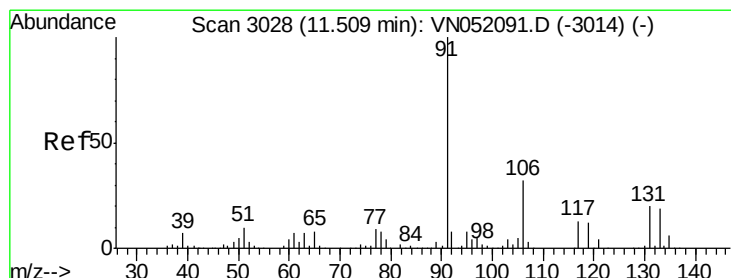
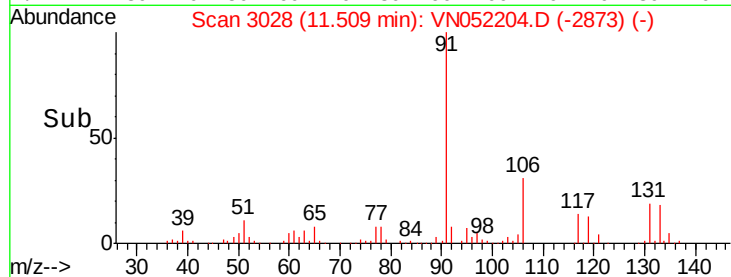
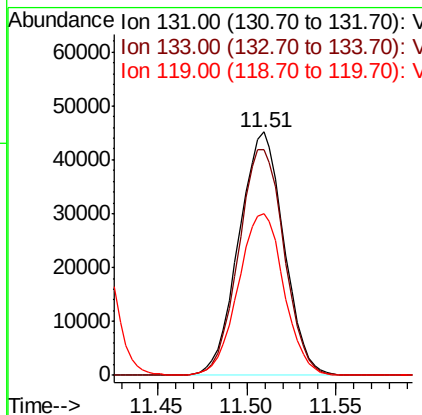
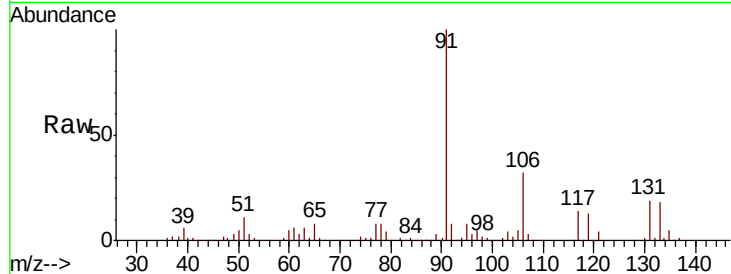
ClientSampleId :

VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.0	0.0	188.8
119	67.5	0.0	131.4

Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:13:56 AM



#66

Ethyl Benzene

Concen: 19.827 ug/l

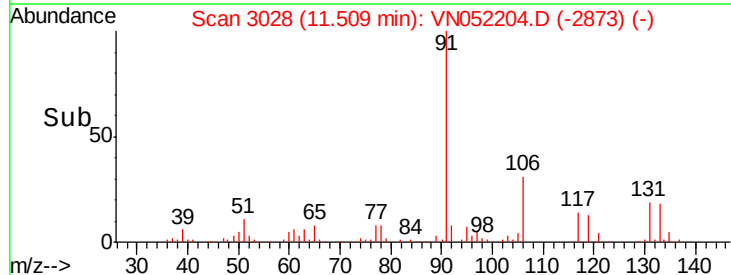
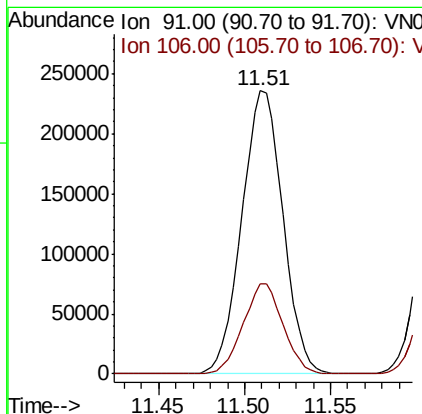
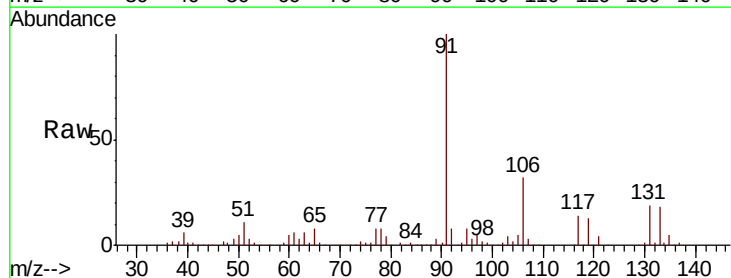
RT: 11.51 min Scan# 3028

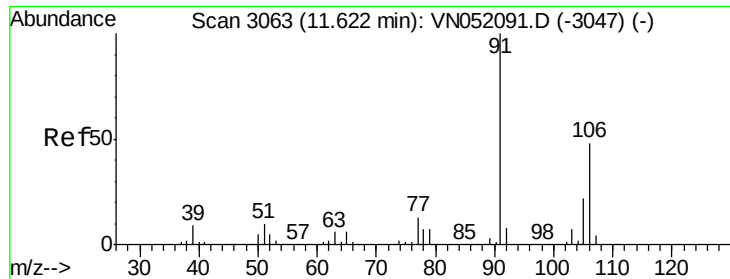
Delta R.T. -0.00 min

Lab File: VN052204.D

Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.7	38.5





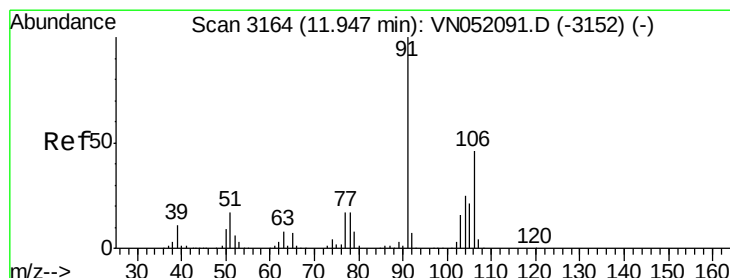
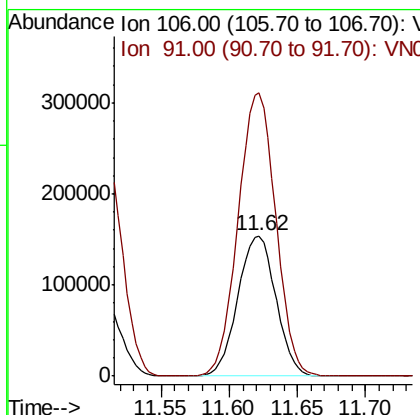
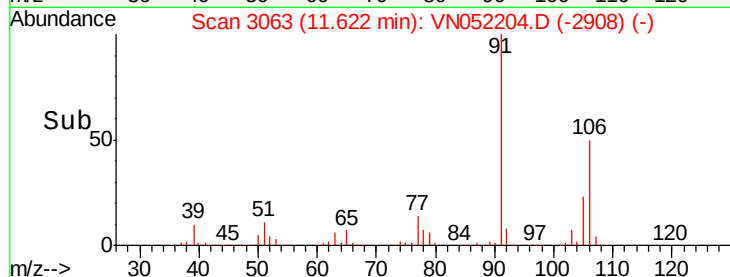
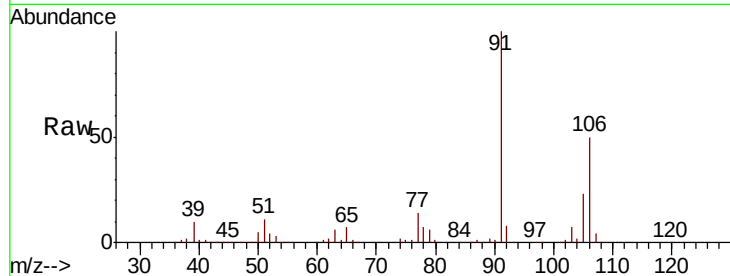
#67
m/p-Xylenes
Concen: 39.239 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion:106 Resp: 298239
Ion Ratio Lower Upper
106 100
91 199.8 163.6 245.4

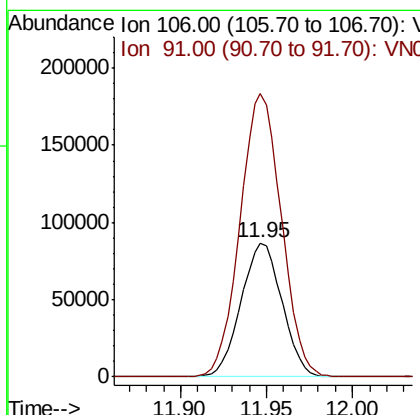
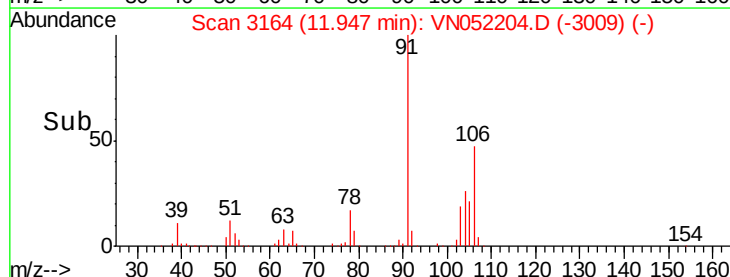
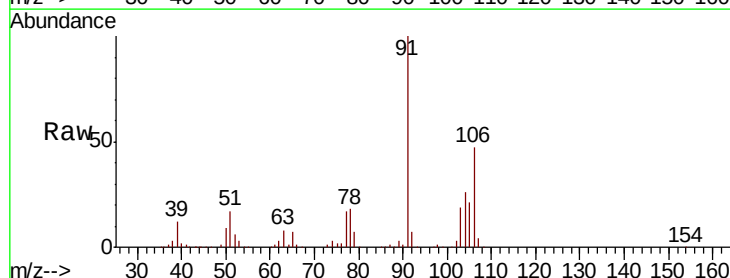
Manual Integrations
APPROVED

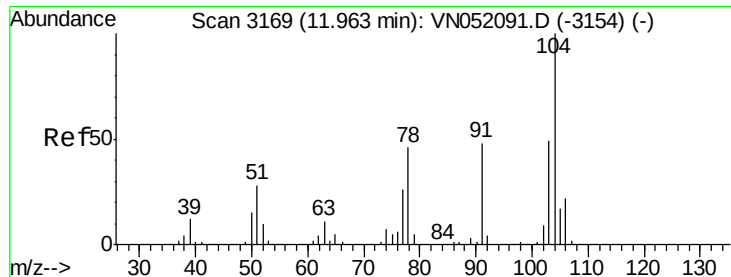
MMDadoda
11/8/2018 9:13:56 AM



#68
o-Xylene
Concen: 19.832 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Tgt Ion:106 Resp: 143710
Ion Ratio Lower Upper
106 100
91 213.2 110.0 330.0





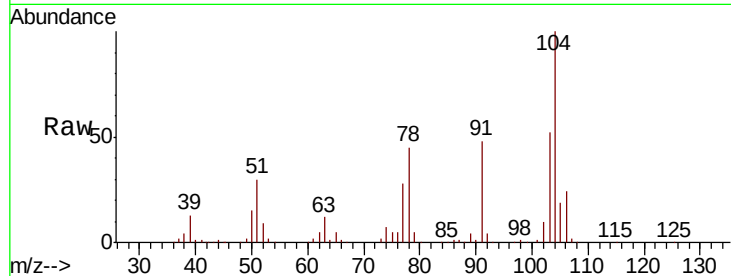
#69
Stvrene
Concen: 19.595 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.3	41.3	61.9
103	57.6	43.3	64.9

Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:13:56 AM

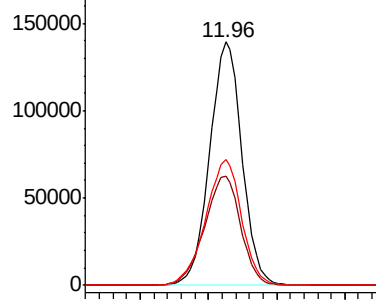


Abundance

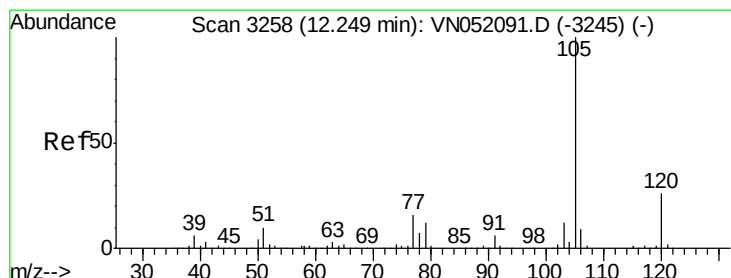
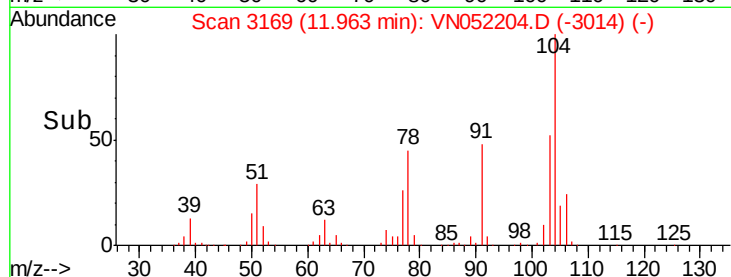
Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V

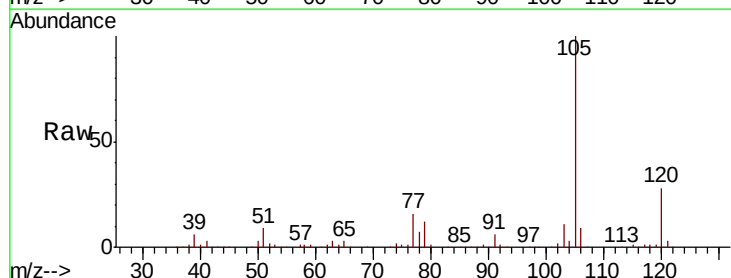


Time-->



#70
Isopropylbenzene
Concen: 19.728 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

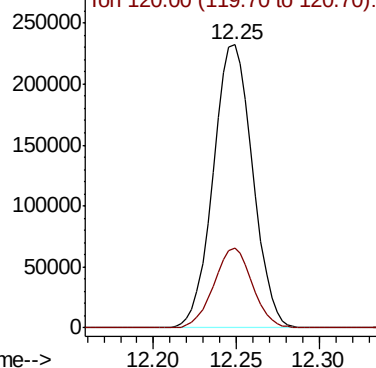
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.5	18.4	34.2



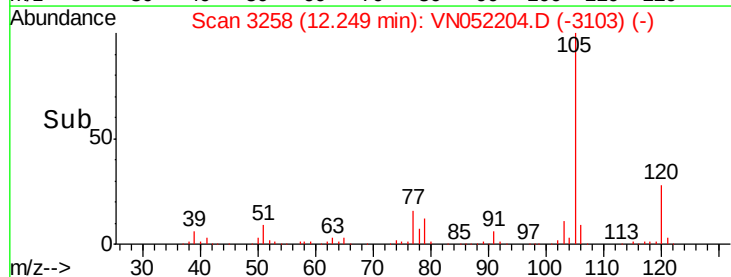
Abundance

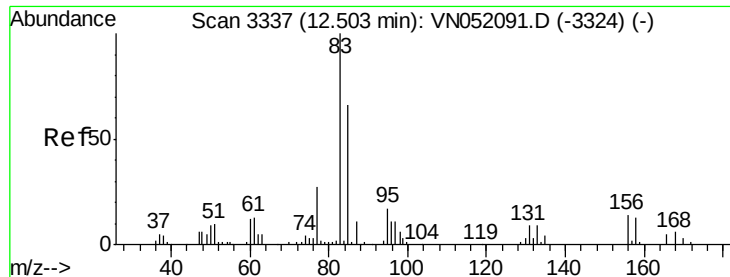
Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





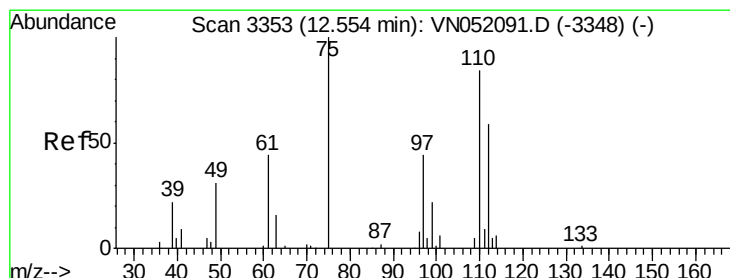
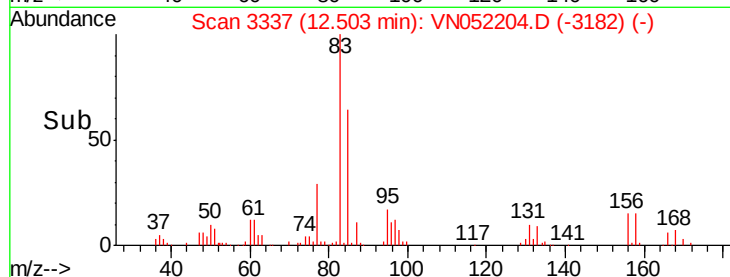
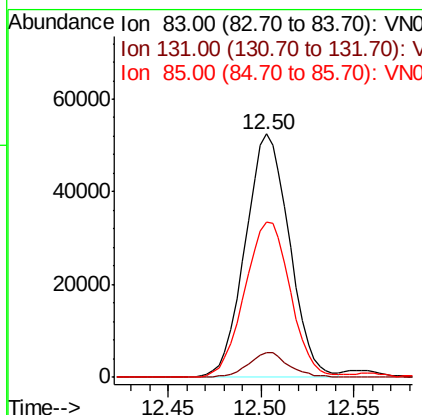
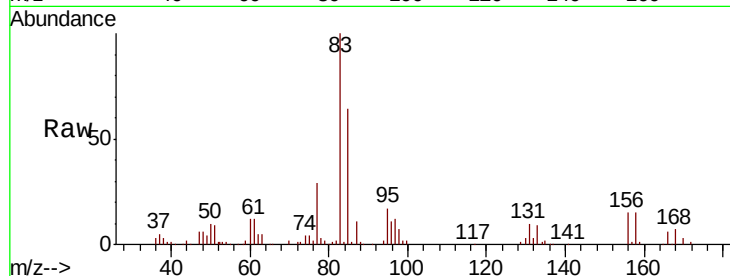
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.281 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion	83	Resp	86776
Ion Ratio	100	Lower	Upper
83	100		
131	9.4	4.8	14.3
85	66.3	32.7	98.1

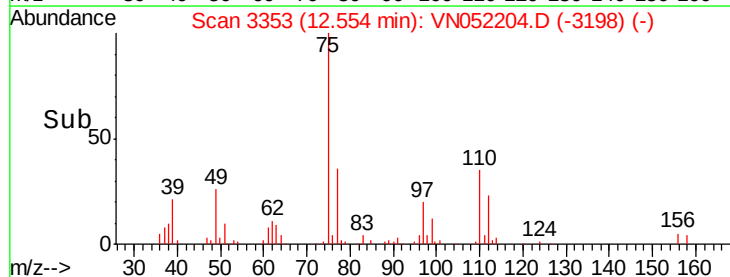
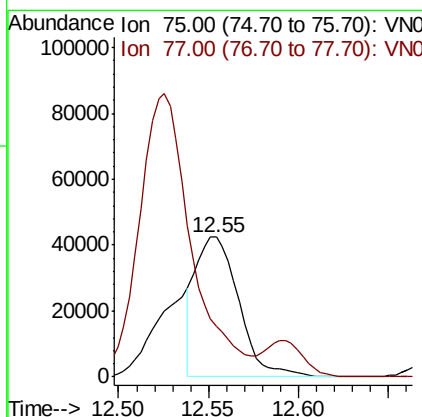
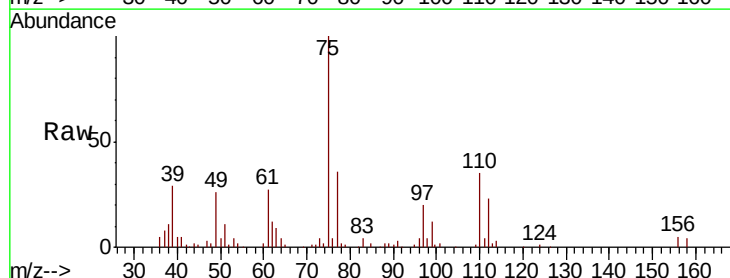
Manual Integrations
 APPROVED

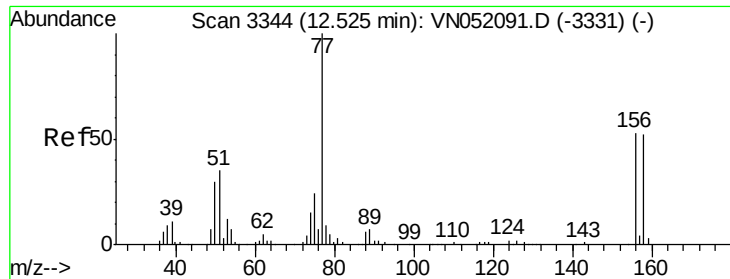
MMDadoda
 11/8/2018 9:13:56 AM



#72
 1,2,3-Trichloropropane
 Concen: 18.896 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Tgt Ion	75	Resp	71088
Ion Ratio	100	Lower	Upper
75	100		
77	242.0	0.0	481.8





#73

Bromobenzene

Concen: 20.276 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052204.D

Acq: 7 Nov 2018 13:10

Instrument :

MSVOA_N

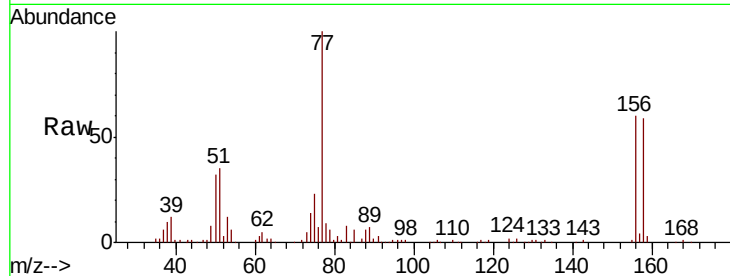
ClientSampleId :

VN1107WBSD01

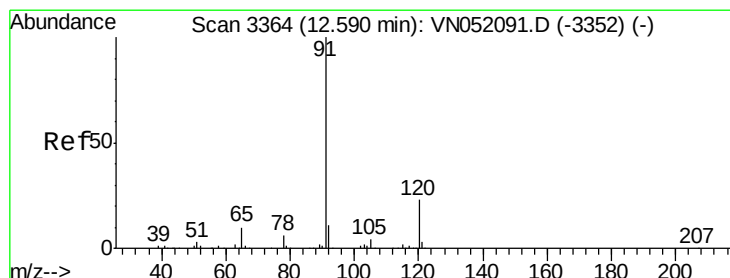
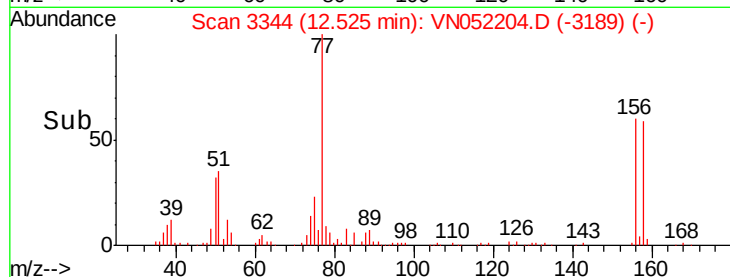
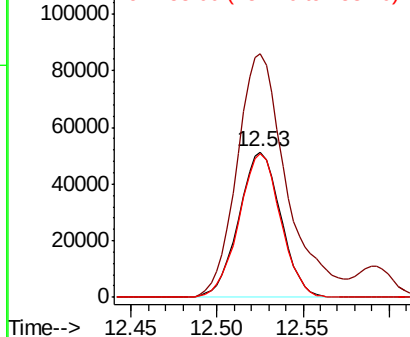
Tot Ion:	156	Resp:	87396
Ion	Ratio	Lower	Upper
156	100		
77	196.8	0.0	428.0
158	97.4	0.0	196.8

Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:13:56 AM



Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.596 ug/l

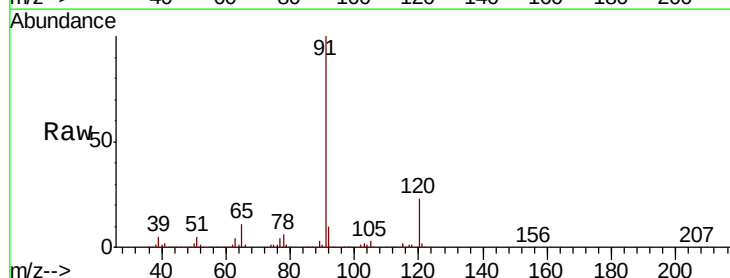
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

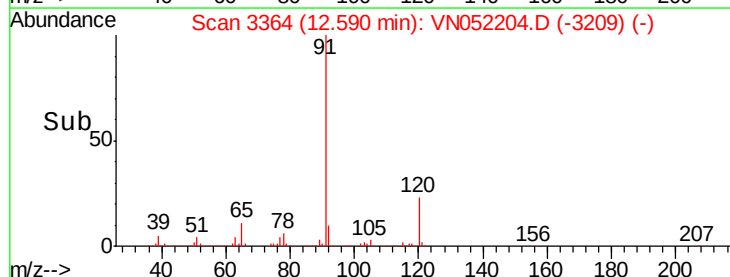
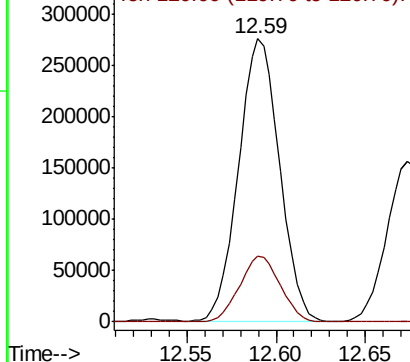
Lab File: VN052204.D

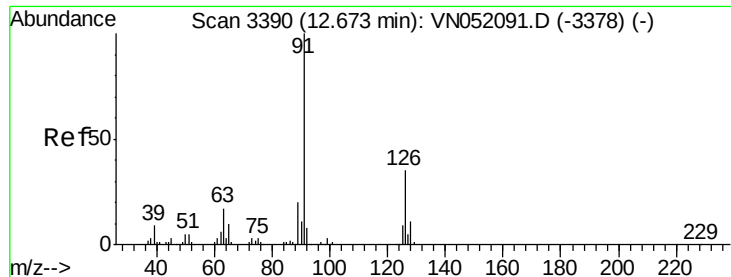
Acq: 7 Nov 2018 13:10

Tgt Ion:	91	Resp:	443903
Ion	Ratio	Lower	Upper
91	100		
120	23.1	0.0	44.8



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.742 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052204.D

Acq: 7 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD01

Tot Ion: 91 Resp: 257829

Ion Ratio Lower Upper

91 100

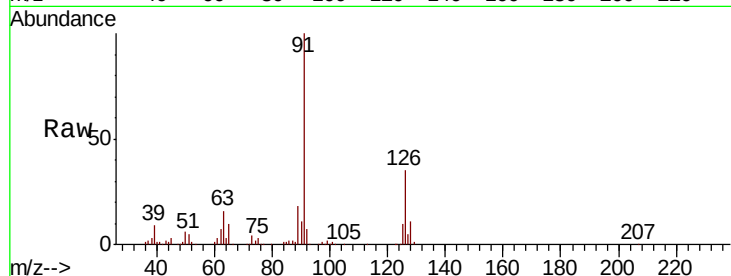
126 34.9 0.0 68.0

Manual Integrations

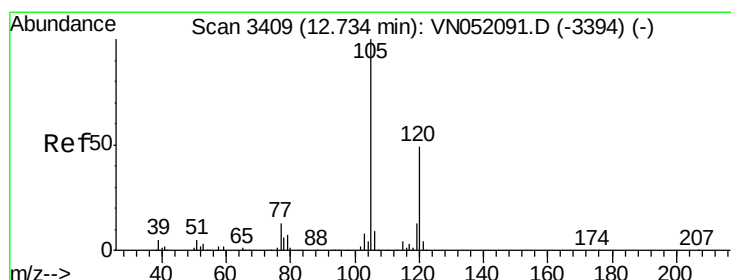
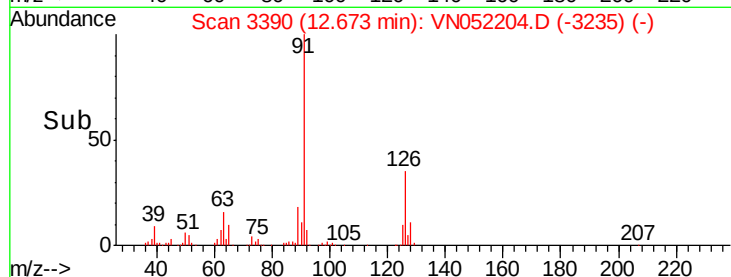
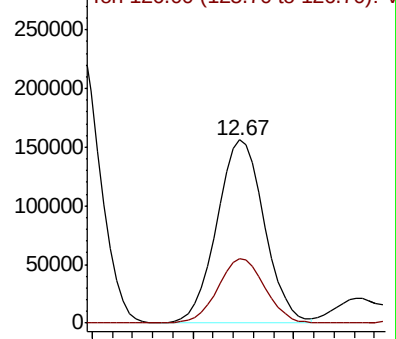
APPROVED

MMDadoda

11/8/2018 9:13:56 AM



Abundance Ion 91.00 (90.70 to 91.70): VN052091.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.952 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052204.D

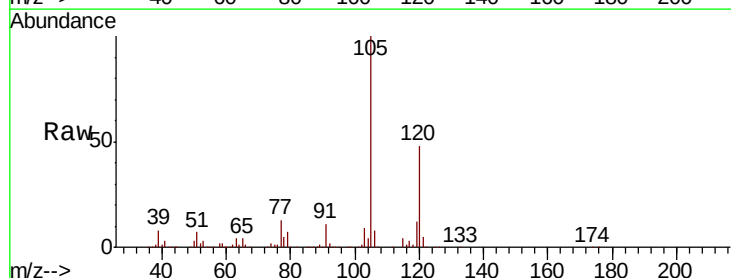
Acq: 7 Nov 2018 13:10

Tgt Ion: 105 Resp: 311215

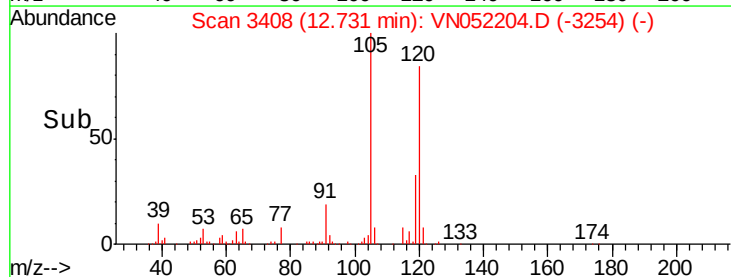
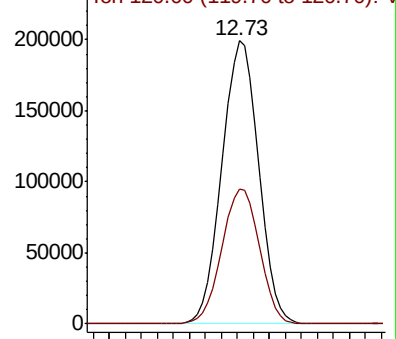
Ion Ratio Lower Upper

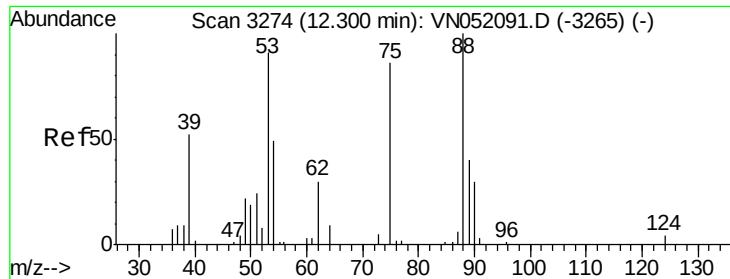
105 100

120 49.1 0.0 95.8



Abundance Ion 105.00 (104.70 to 105.70): VN052091.D (-3394) (-)





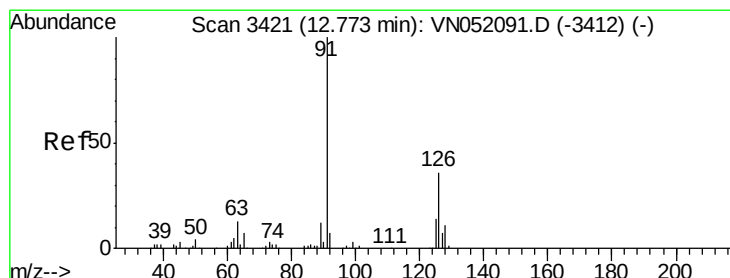
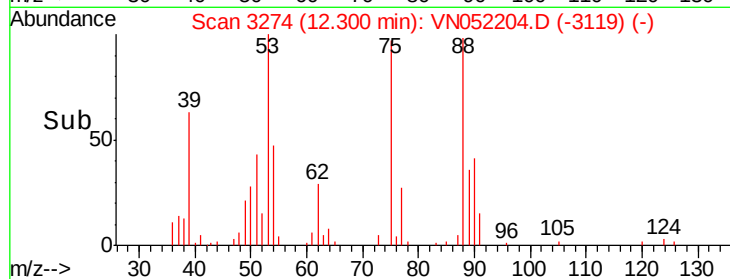
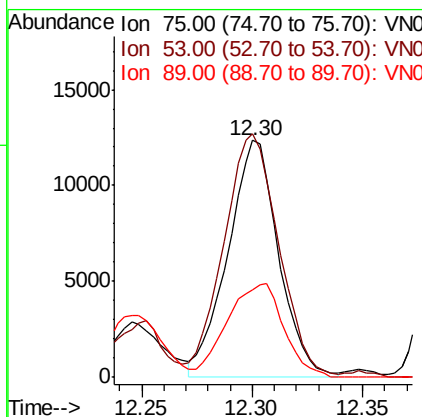
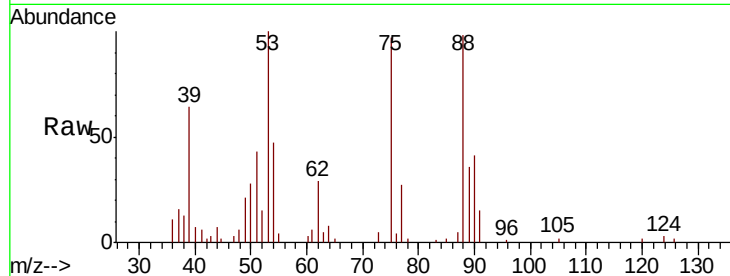
#77
t-1,4-Dichloro-2-butene
Concen: 16.783 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.9	50.7	152.1
89	37.2	23.8	71.5

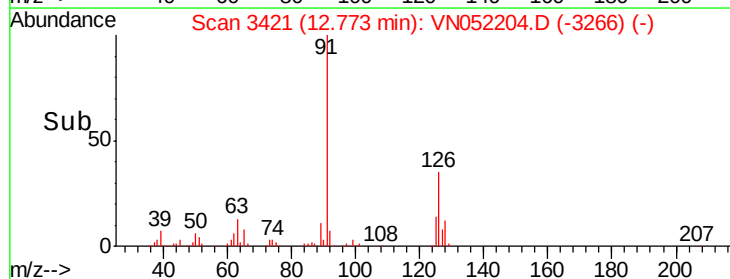
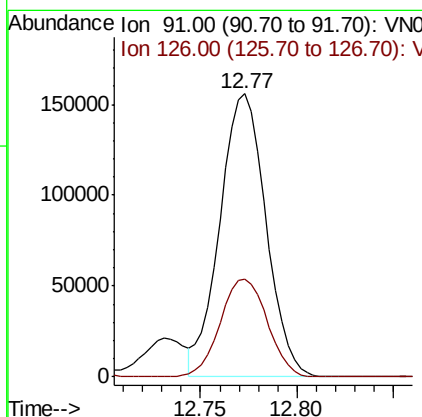
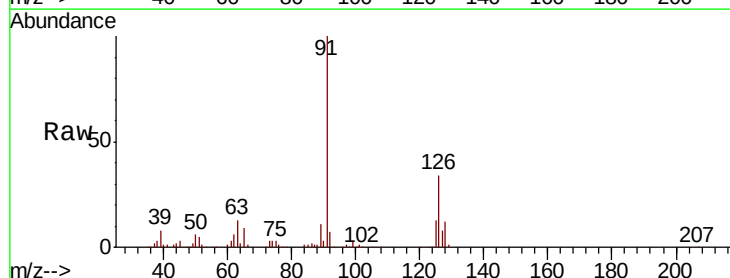
Manual Integrations
APPROVED

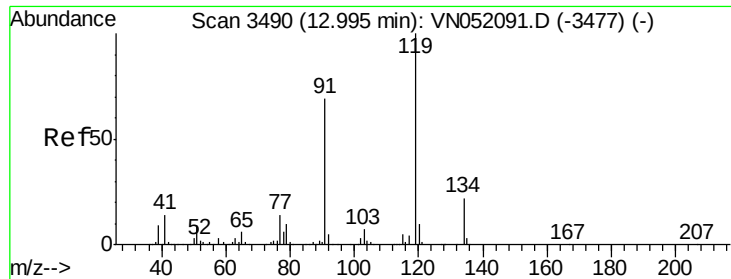
MMDadoda
11/8/2018 9:13:56 AM



#78
4-Chlorotoluene
Concen: 19.671 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	0.0	68.0





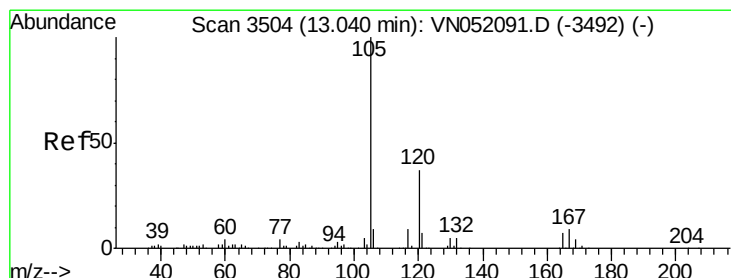
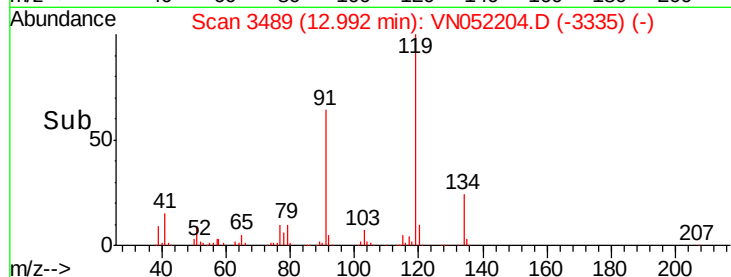
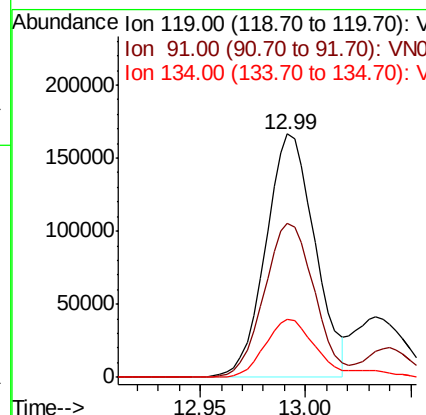
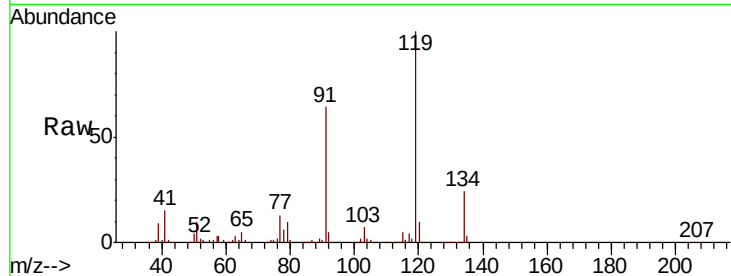
#79
tert-butylbenzene
Concen: 19.895 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	270326		
91	64.5		0.0	131.2
134	24.1		0.0	45.8

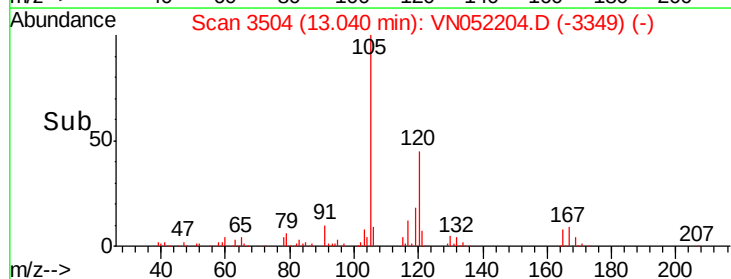
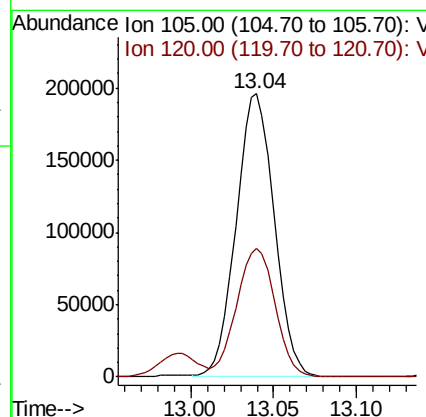
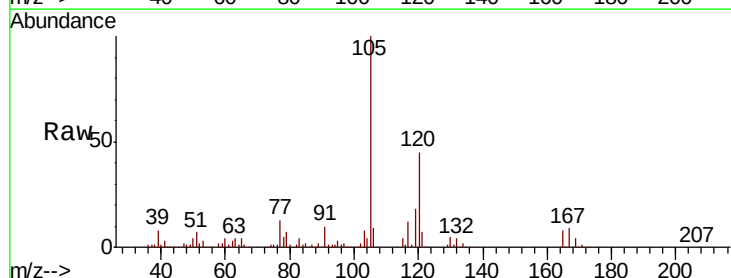
Manual Integrations
APPROVED

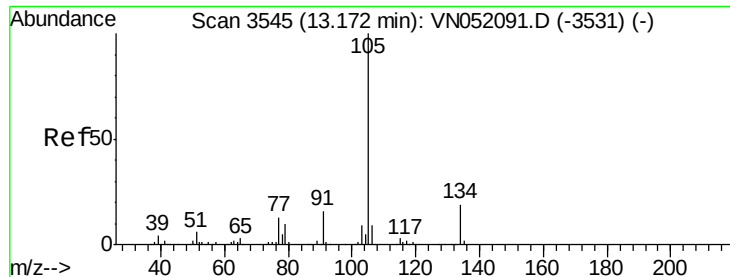
MMDadoda
11/8/2018 9:13:56 AM



#80
1,2,4-Trimethylbenzene
Concen: 20.167 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	313389		
120	45.9		0.0	89.4





#81

sec-Butylbenzene

Concen: 20.174 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052204.D

Acq: 7 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD01

Tot Ion:105 Resp: 377247

Ion Ratio Lower Upper

105 100

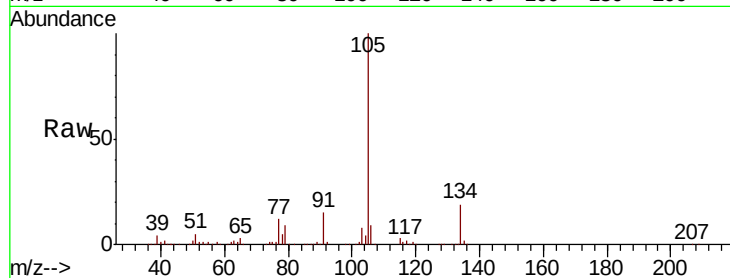
134 19.1 0.0 38.6

Manual Integrations

APPROVED

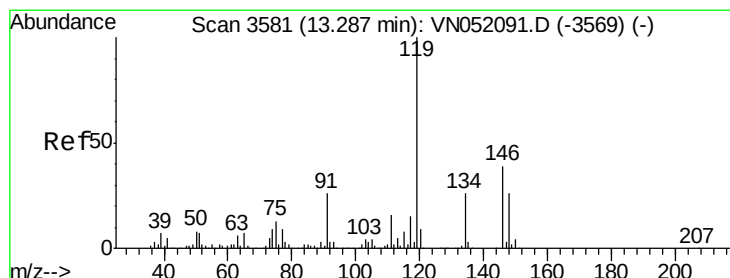
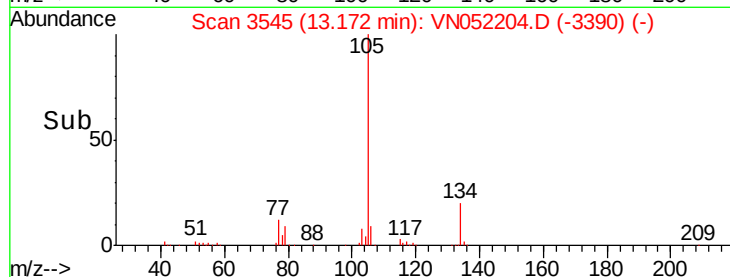
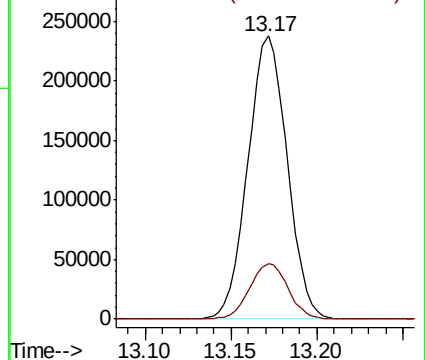
MMDadoda

11/8/2018 9:13:56 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.975 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052204.D

Acq: 7 Nov 2018 13:10

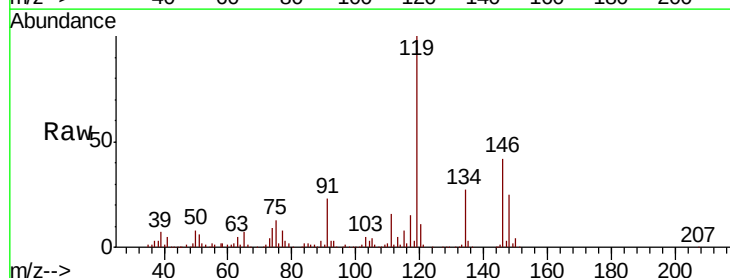
Tgt Ion:119 Resp: 315653

Ion Ratio Lower Upper

119 100

134 27.4 0.0 52.0

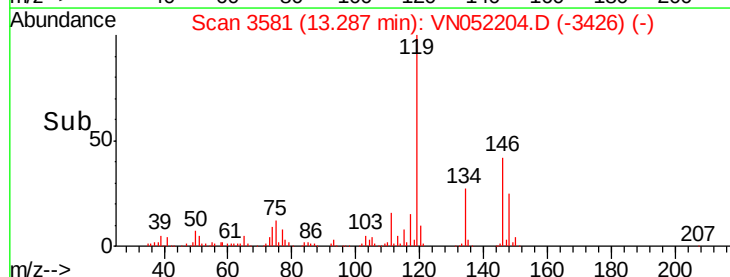
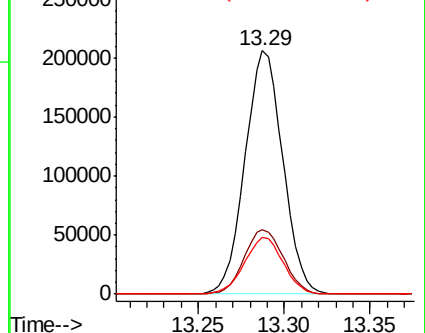
91 23.8 0.0 50.8

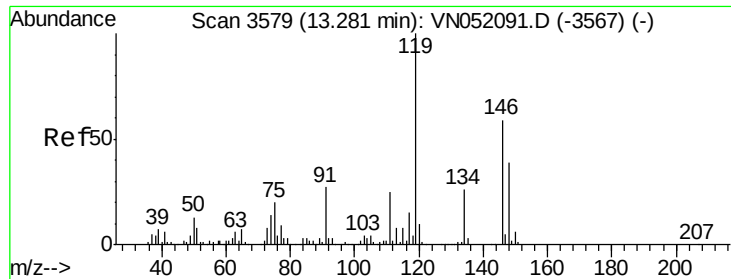


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





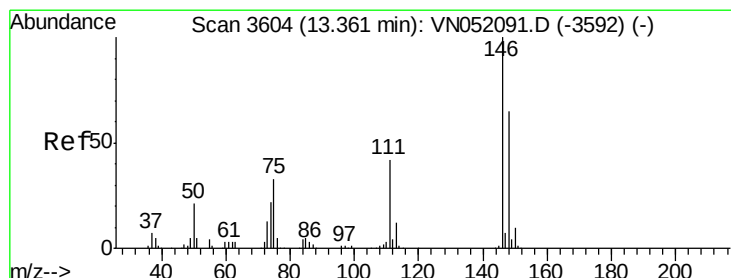
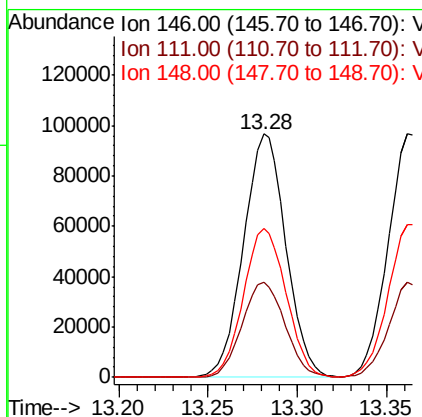
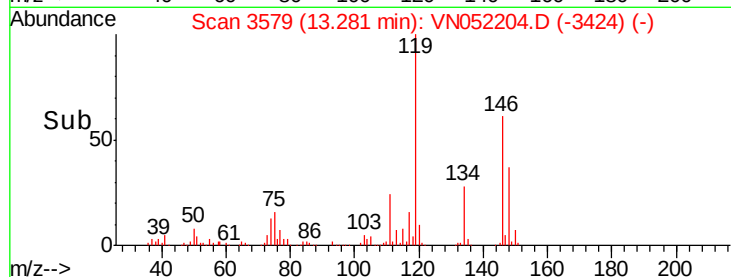
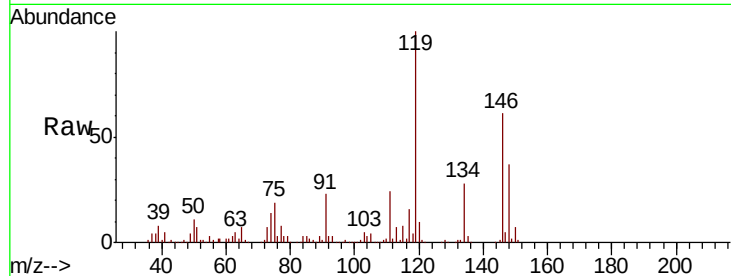
#83
 1,3-Dichlorobenzene
 Concen: 21.060 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	21.0	63.0
148	61.4	33.4	100.2

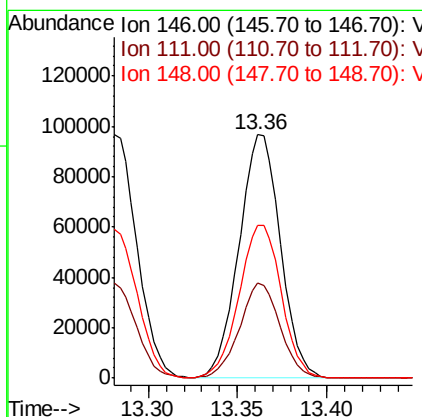
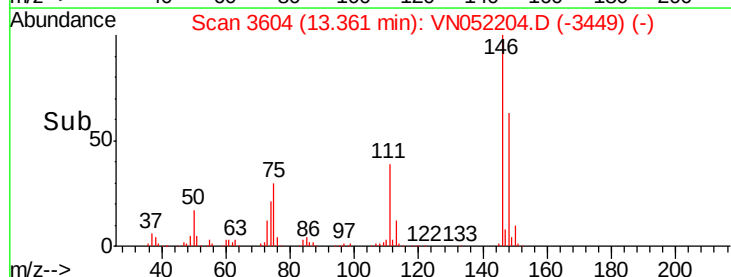
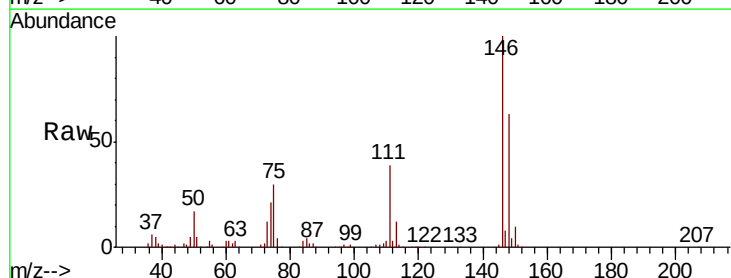
Manual Integrations
 APPROVED

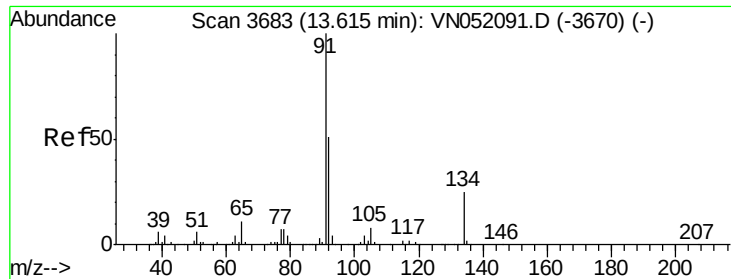
MMDadoda
 11/8/2018 9:13:56 AM



#84
 1,4-Dichlorobenzene
 Concen: 20.752 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	21.4	64.2
148	64.0	32.6	98.0





#85

n-Butylbenzene

Concen: 19.266 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN052204.D

Acq: 7 Nov 2018 13:10

Instrument :

MSVOA_N

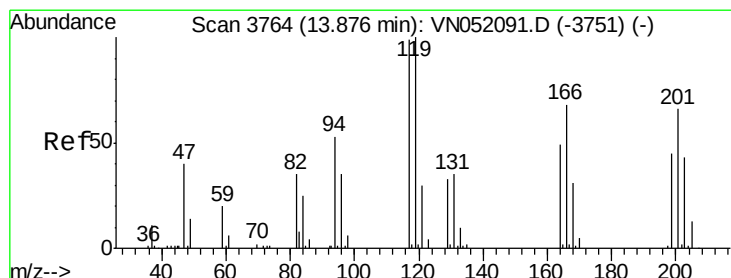
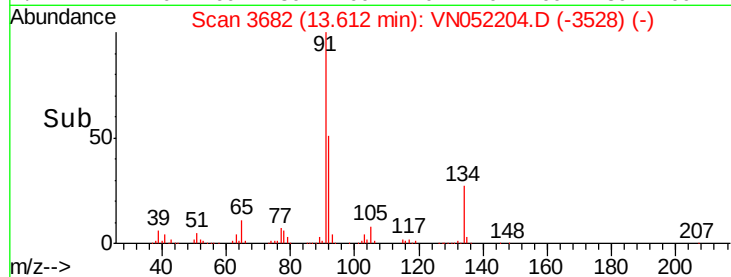
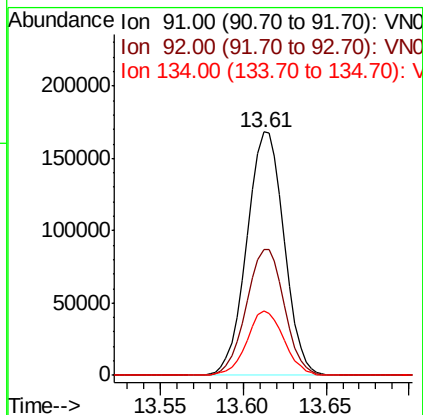
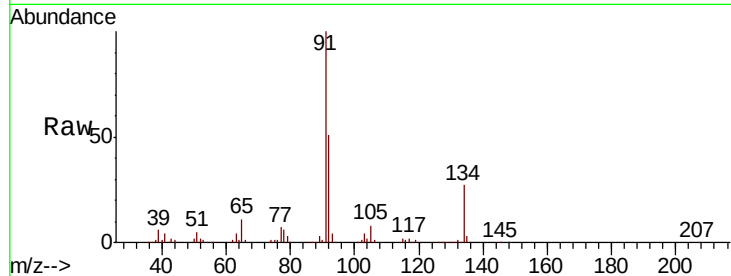
ClientSampleId :

VN1107WBSD01

Tot Ion:	91	Resp:	263512
Ion Ratio	Lower	Upper	
91	100		
92	52.8	0.0	102.8
134	26.2	0.0	49.2

Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:13:56 AM



#86

Hexachloroethane

Concen: 18.492 ug/l

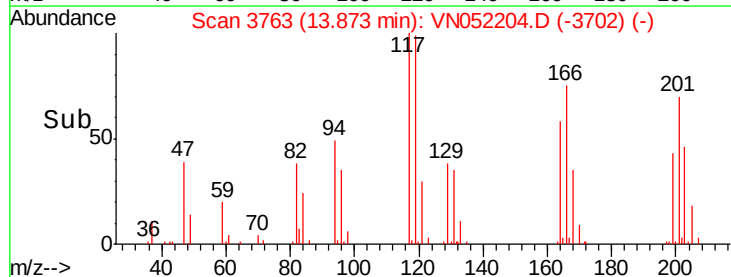
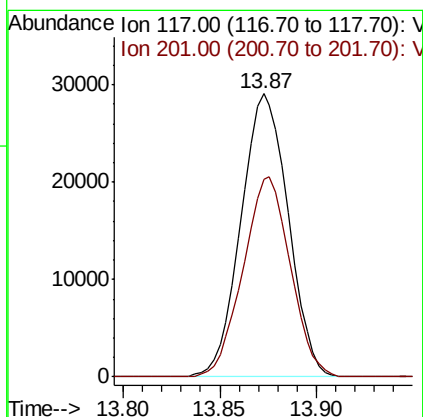
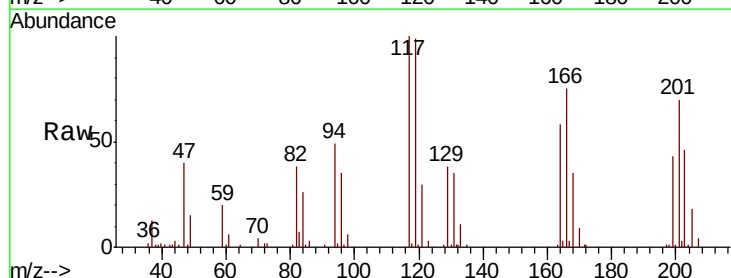
RT: 13.87 min Scan# 3763

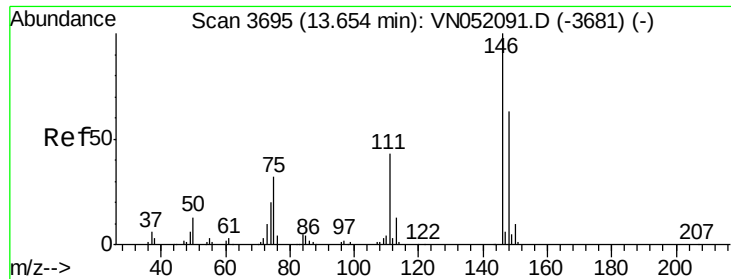
Delta R.T. -0.00 min

Lab File: VN052204.D

Acq: 7 Nov 2018 13:10

Tgt Ion:	117	Resp:	49314
Ion Ratio	Lower	Upper	
117	100		
201	70.7	32.2	96.6





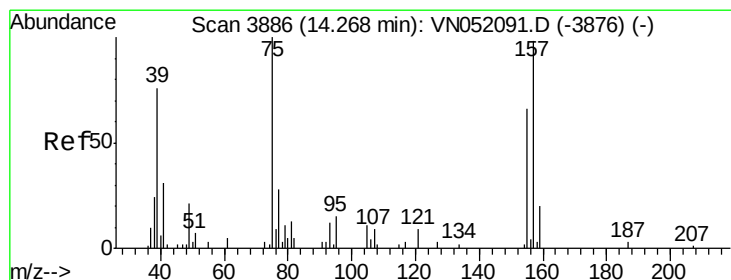
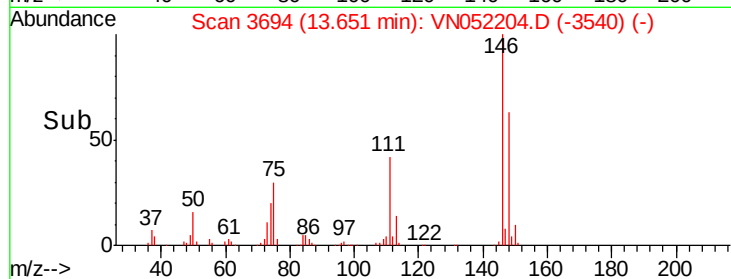
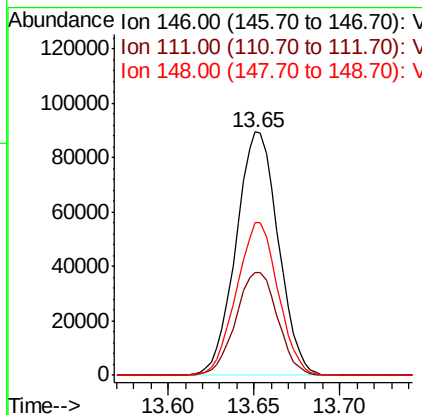
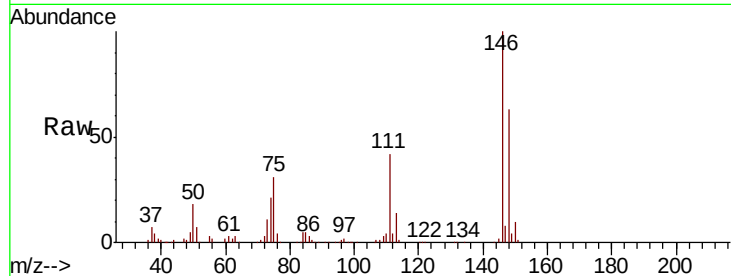
#87
 1,2-Dichlorobenzene
 Concen: 21.093 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	22.4	67.0
148	61.9	32.5	97.4

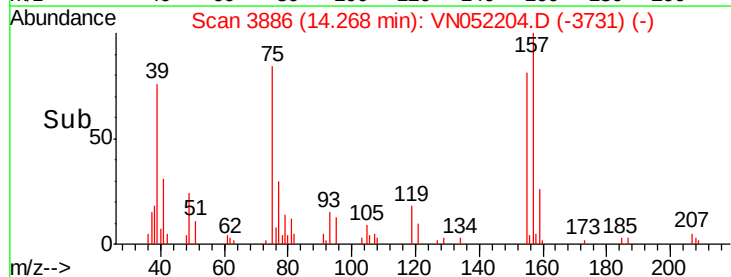
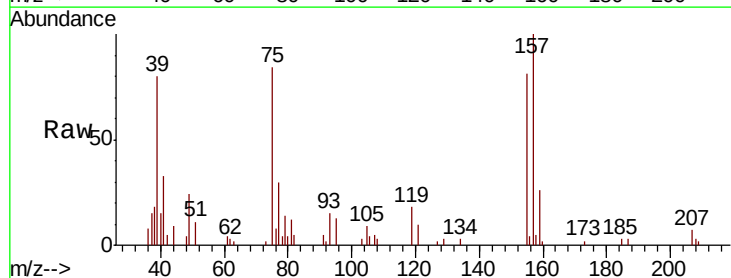
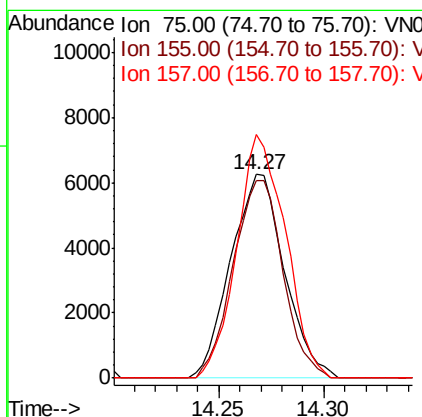
Manual Integrations
 APPROVED

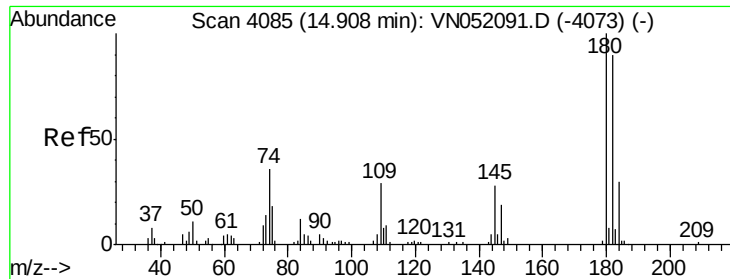
MMDadoda
 11/8/2018 9:13:56 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.923 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052204.D
 Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.9	56.7	85.1#
157	108.0	80.4	120.6





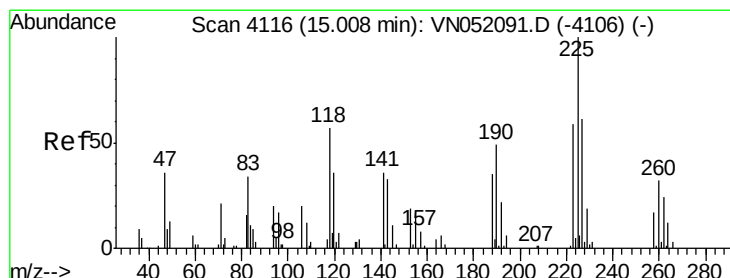
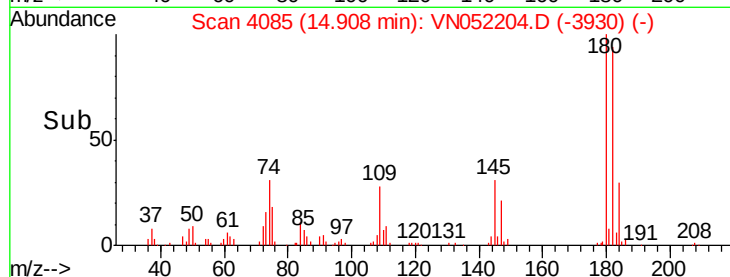
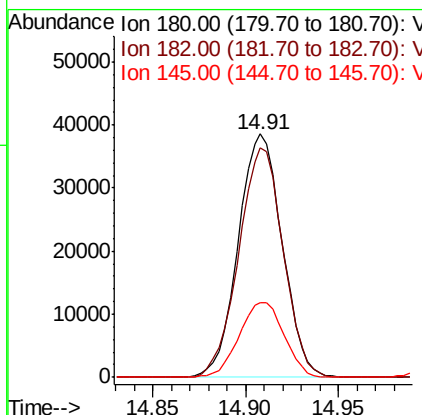
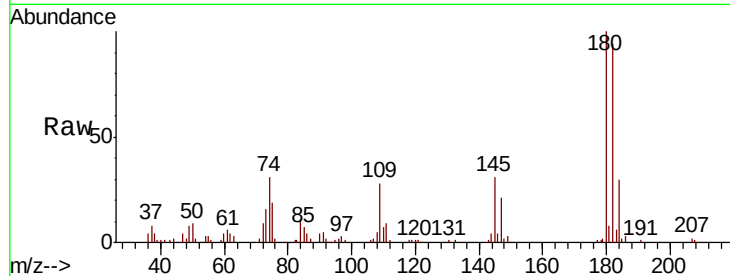
#89
1,2,4-Trichlorobenzene
Concen: 21.565 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	74.0	111.0
145	31.4	24.6	36.8

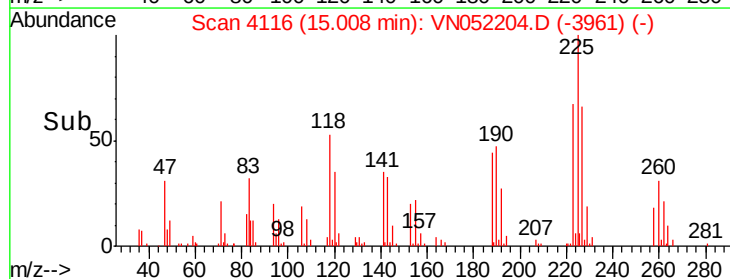
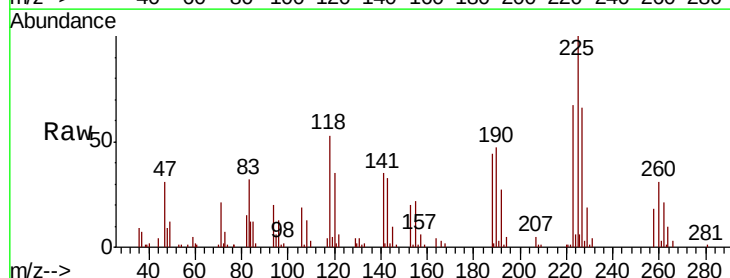
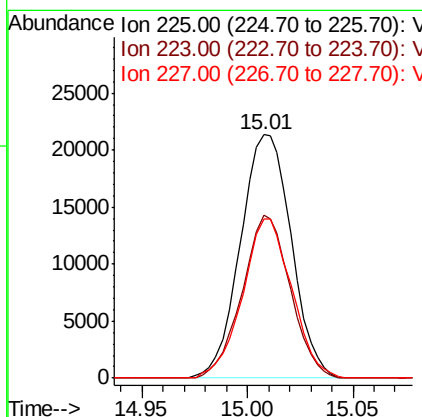
Manual Integrations
APPROVED

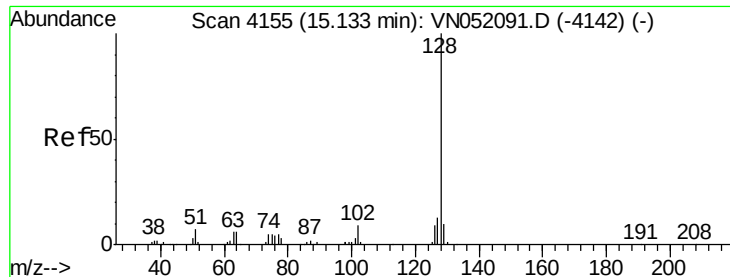
MMDadoda
11/8/2018 9:13:56 AM



#90
Hexachlorobutadiene
Concen: 22.264 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	0.0	121.2
227	63.2	0.0	127.2





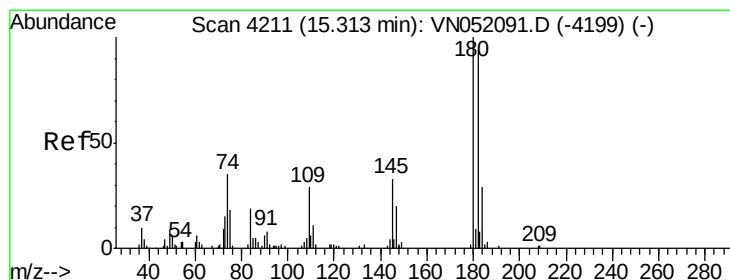
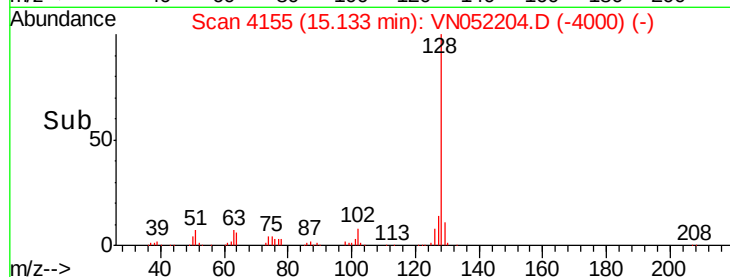
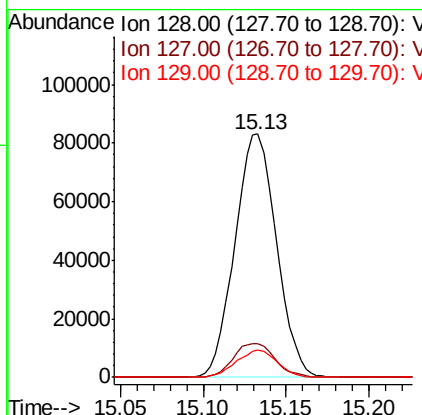
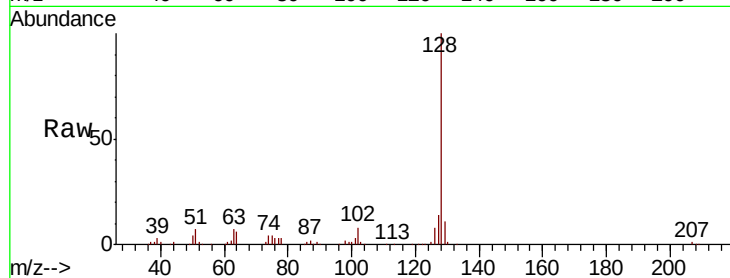
#91
Naphthalene
Concen: 21.384 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.4	15.6
129	11.0	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:13:56 AM



#92
1,2,3-Trichlorobenzene
Concen: 21.928 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052204.D
Acq: 7 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	0.0	186.6
145	35.4	0.0	66.6

