

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091621\
 Data File : VN068500.D
 Acq On : 16 Sep 2021 16:19
 Operator : JC/MD
 Sample : VN0916WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBL01

Quant Time: Sep 17 02:01:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 10 04:04:05 2021
 Response via : Initial Calibration

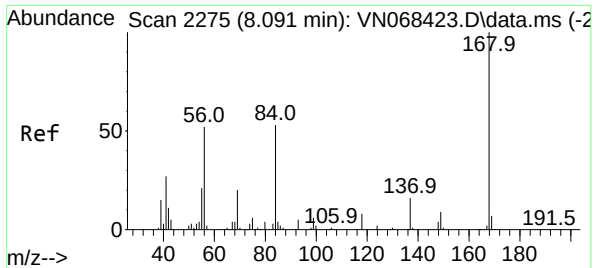
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	554582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	793554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	688968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	269984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	265200	52.131	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.260%			
35) Dibromofluoromethane	8.024	113	247502	51.712	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.420%			
50) Toluene-d8	10.443	98	924286	53.164	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.320%			
62) 4-Bromofluorobenzene	12.736	95	271151	48.741	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.480%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.366	59	359	Below Cal	#	84
13) Acrolein	4.044	56	330	0.874	ug/l #	24
16) Acetone	4.299	43	1719	1.021	ug/l #	73
18) Methyl Acetate	4.854	43	166	Below Cal	#	86
20) Methylene Chloride	5.103	84	2182	Below Cal	#	76
31) Cyclohexane	8.088	56	8607	1.116	ug/l #	14
36) 1,1-Dichloropropene	8.086	75	34310	5.186	ug/l #	41
38) Carbon Tetrachloride	8.088	117	51585	6.508	ug/l #	15
49) 1,4-Dioxane	9.590	88	56	0.658	ug/l #	30
51) 4-Methyl-2-Pentanone	10.341	43	2160	0.426	ug/l	94
59) 2-Hexanone	11.095	43	4642	1.368	ug/l #	46
71) Bromoform	12.728	173	929	0.218	ug/l #	29
74) N-amyl acetate	12.401	43	2051	0.479	ug/l #	42
76) 1,2,3-Trichloropropane	12.734	75	136162	31.949	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	136162	111.770	ug/l #	13
87) 1,3-Dichlorobenzene	13.616	146	2121	0.230	ug/l	96
88) 1,4-Dichlorobenzene	13.616	146	2121	0.233	ug/l	97
89) n-Butylbenzene	13.946	91	4606	0.399	ug/l #	71
91) 1,2-Dichlorobenzene	13.991	146	2216	0.249	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.611	75	181	0.212	ug/l	69
93) 1,2,4-Trichlorobenzene	15.263	180	3356	0.827	ug/l	96
95) Naphthalene	15.512	128	11676	4.512	ug/l	98
96) 1,2,3-Trichlorobenzene	15.703	180	3657	0.943	ug/l	90

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

Quant Time: Sep 17 02:01:42 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

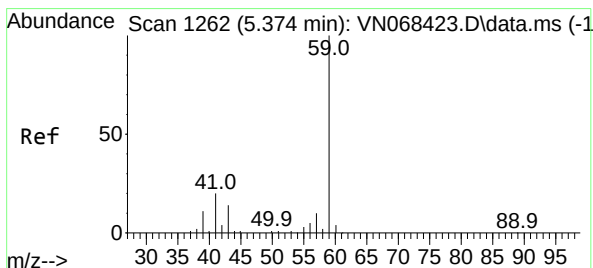
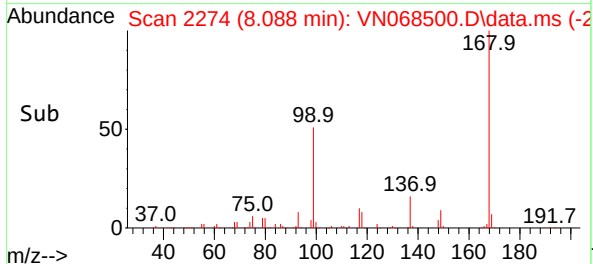
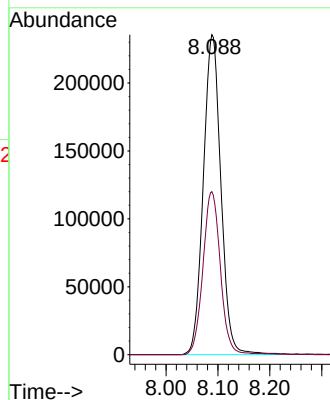
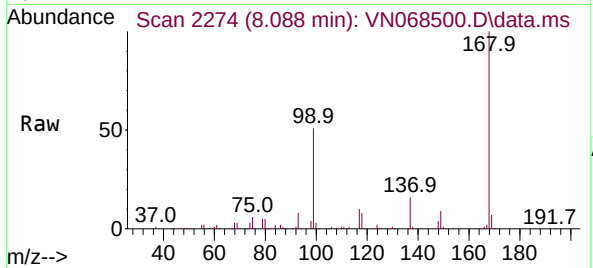




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.003 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

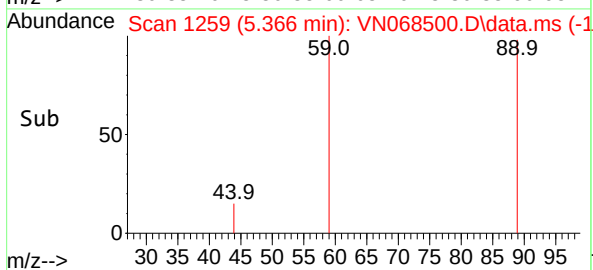
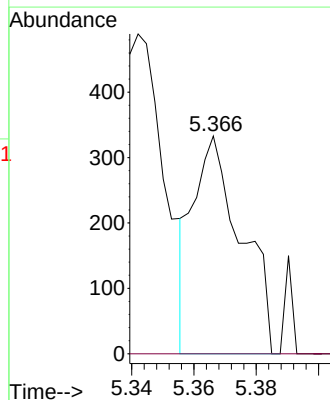
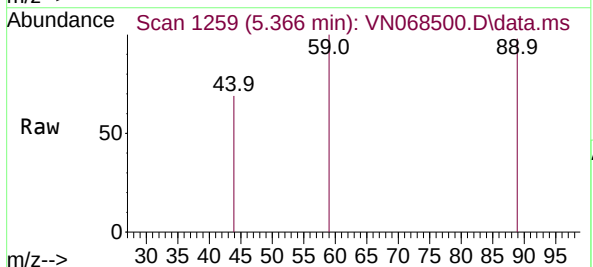
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBL01

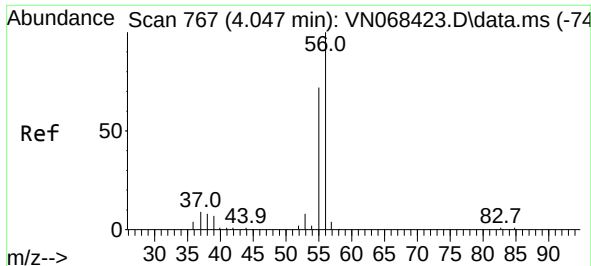
Tgt Ion:168 Resp: 554582
Ion Ratio Lower Upper
168 100
99 50.9 38.2 57.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.366 min Scan# 1259
Delta R.T. -0.008 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

Tgt Ion: 59 Resp: 359
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

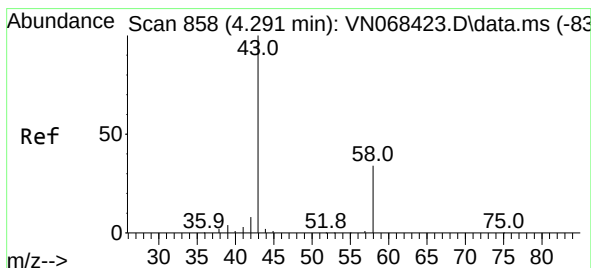
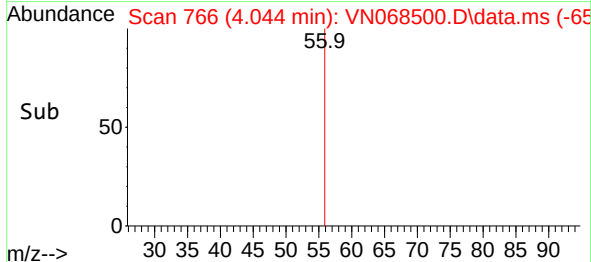
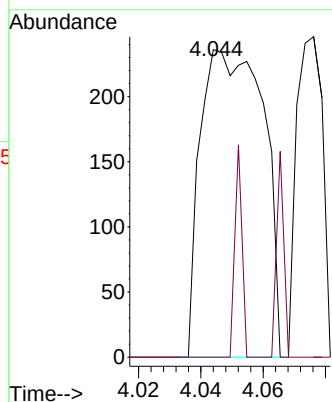
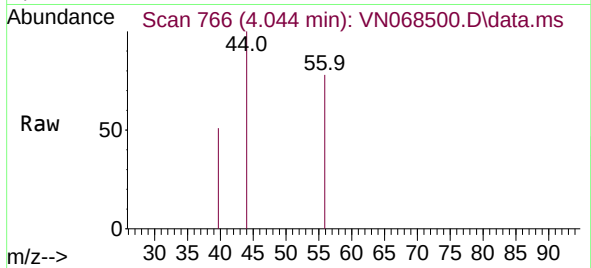




#13
Acrolein
Concen: 0.874 ug/l
RT: 4.044 min Scan# 766
Delta R.T. -0.003 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

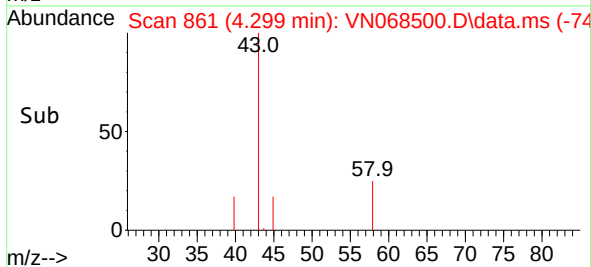
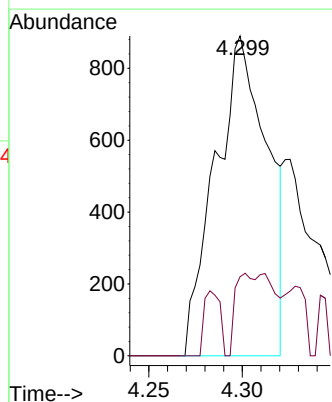
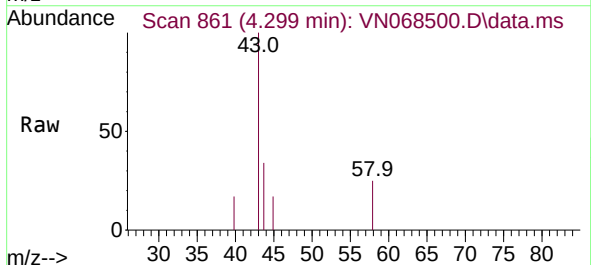
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBL01

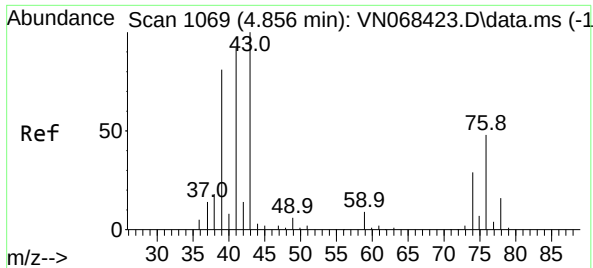
Tgt Ion: 56 Resp: 330
Ion Ratio Lower Upper
56 100
55 7.9 56.8 85.2#



#16
Acetone
Concen: 1.021 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

Tgt Ion: 43 Resp: 1719
Ion Ratio Lower Upper
43 100
58 18.5 27.0 40.6#

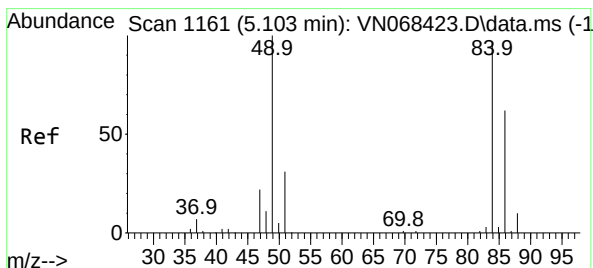
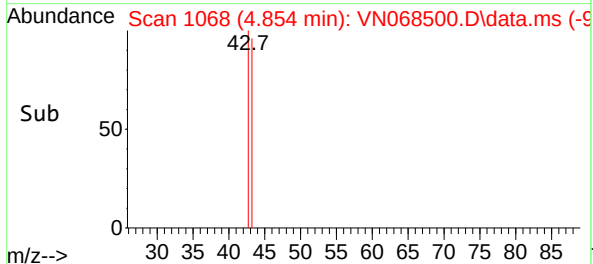
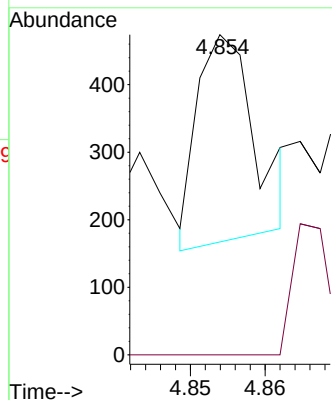
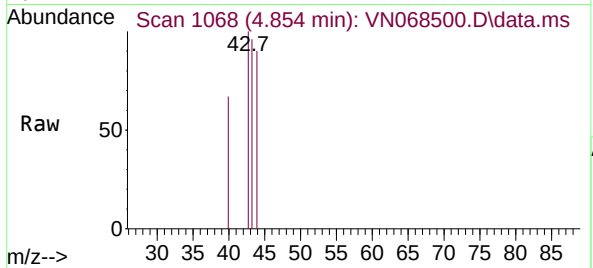




#18
Methyl Acetate
Concen: Below Cal
RT: 4.854 min Scan# 1068
Delta R.T. -0.002 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

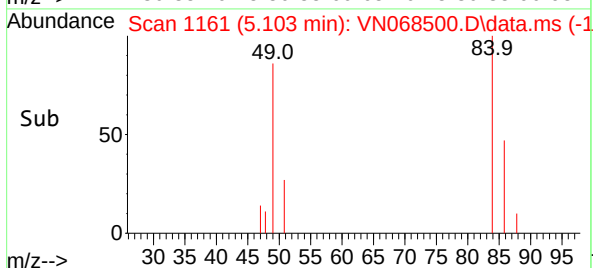
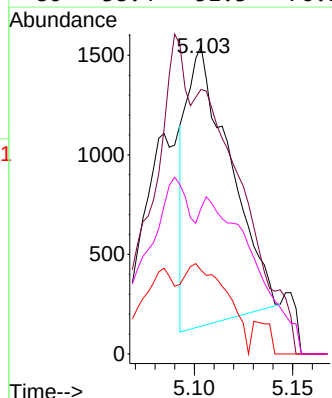
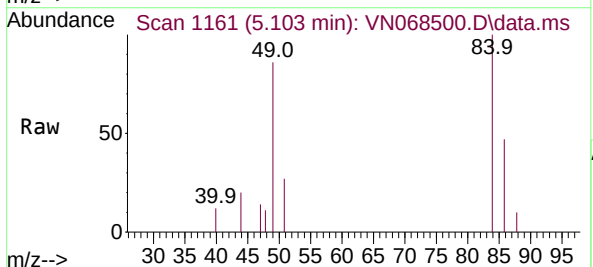
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBL01

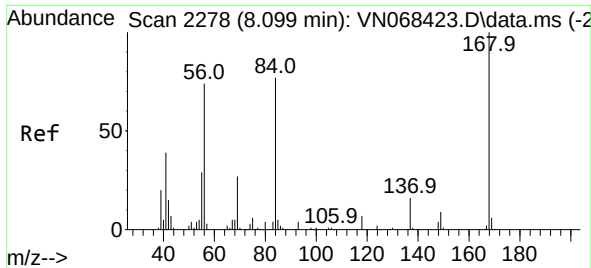
Tgt Ion: 43 Resp: 166
Ion Ratio Lower Upper
43 100
74 36.7 23.5 35.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.103 min Scan# 1161
Delta R.T. 0.000 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

Tgt Ion: 84 Resp: 2182
Ion Ratio Lower Upper
84 100
49 77.6 83.0 124.6#
51 32.5 25.4 38.0
86 38.4 51.3 76.9#

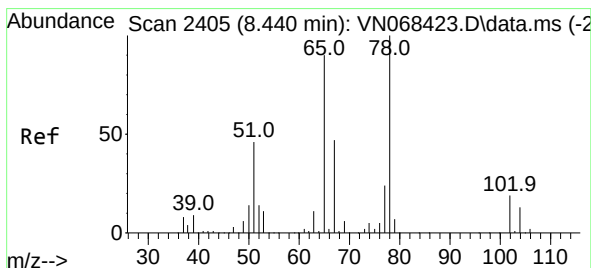
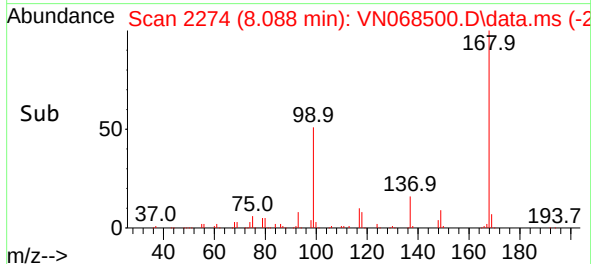
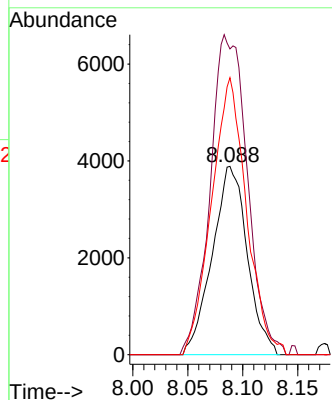
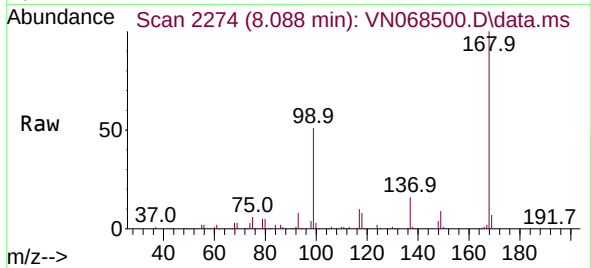




#31
Cyclohexane
Concen: 1.116 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.011 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

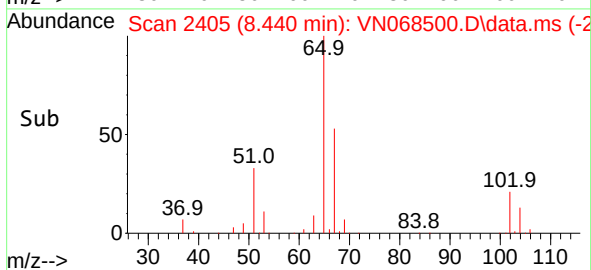
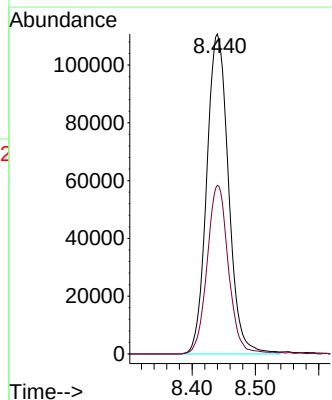
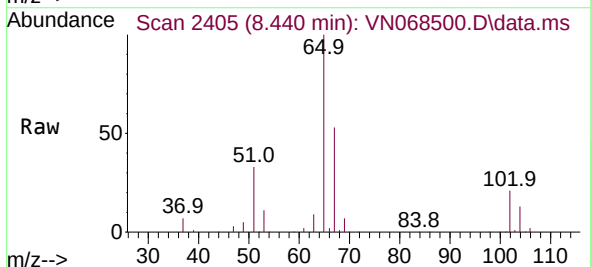
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBL01

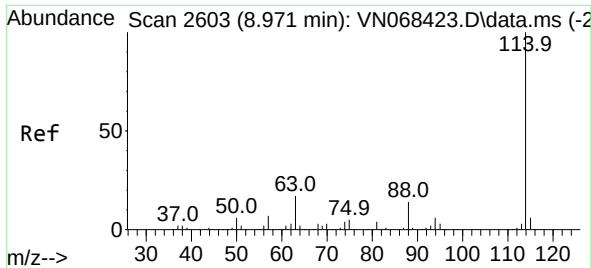
Tgt Ion: 56 Resp: 8607
Ion Ratio Lower Upper
56 100
69 162.4 29.4 44.0#
84 147.1 83.6 125.4#



#33
1,2-Dichloroethane-d4
Concen: 52.131 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

Tgt Ion: 65 Resp: 265200
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.0

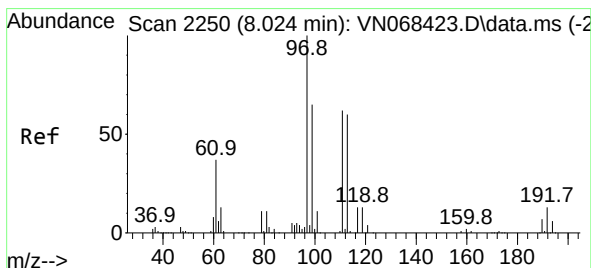
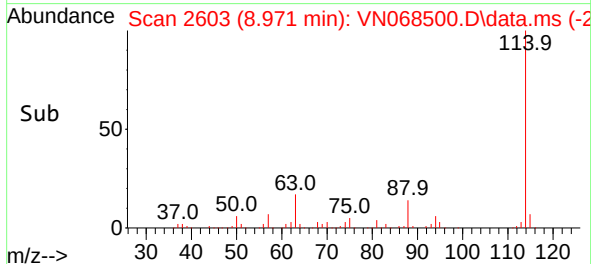
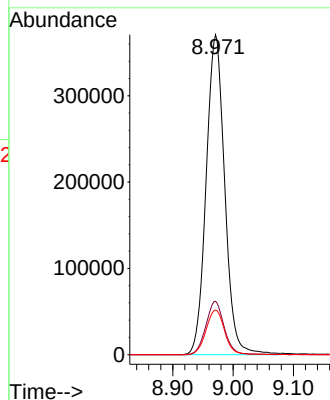
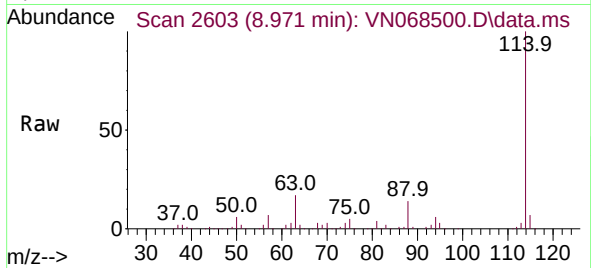




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

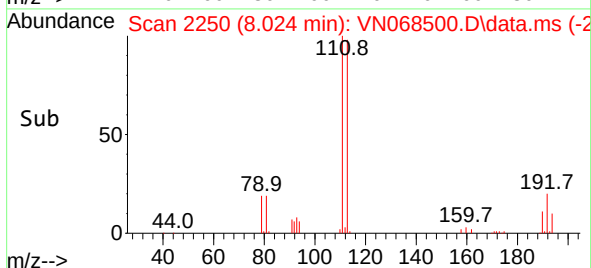
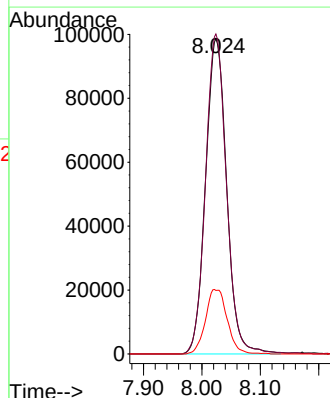
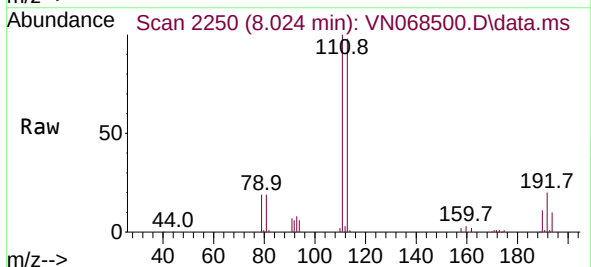
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VN0916WBL01

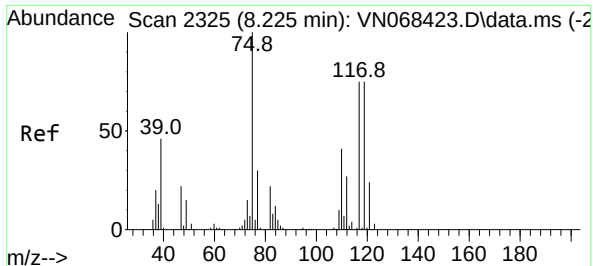
Tgt Ion:	114	Resp:	793554
Ion Ratio	Lower	Upper	
114	100		
63	16.7	0.0	33.2
88	14.0	0.0	28.4



#35
Dibromofluoromethane
Concen: 51.712 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

Tgt Ion:	113	Resp:	247502
Ion Ratio	Lower	Upper	
113	100		
111	100.7	81.1	121.7
192	20.9	17.7	26.5





#36

1,1-Dichloropropene

Concen: 5.186 ug/l

RT: 8.086 min Scan# 2273

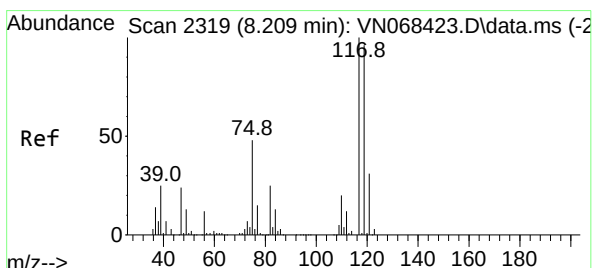
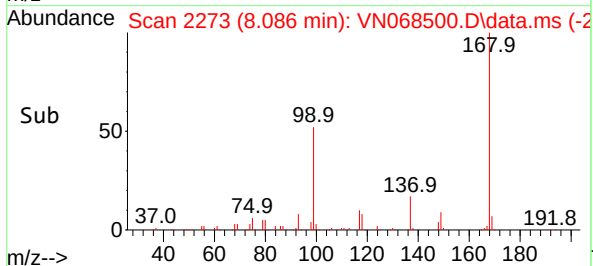
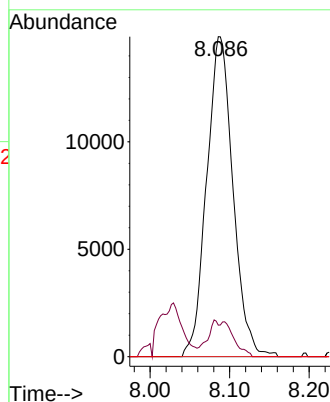
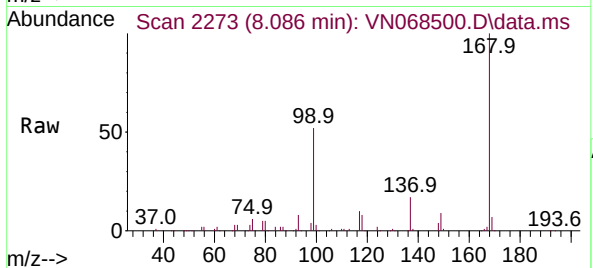
Delta R.T. -0.139 min

Lab File: VN068500.D

Acq: 16 Sep 2021 16:19

Tgt Ion:	75	Resp:	34310
Ion	Ratio	Lower	Upper
75	100		
110	3.0	20.8	62.5#
77	0.0	25.0	37.6#

Instrument :
MSVOA_N
ClientSampled :
VN0916WBL01



#38

Carbon Tetrachloride

Concen: 6.508 ug/l

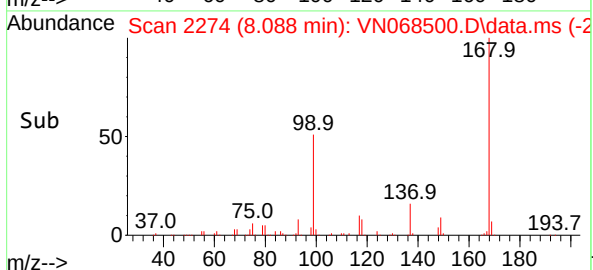
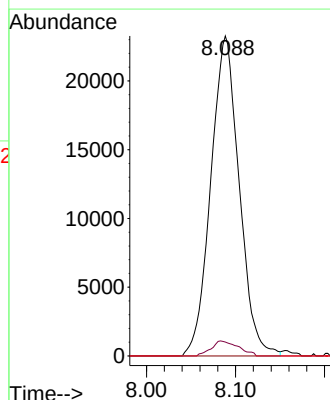
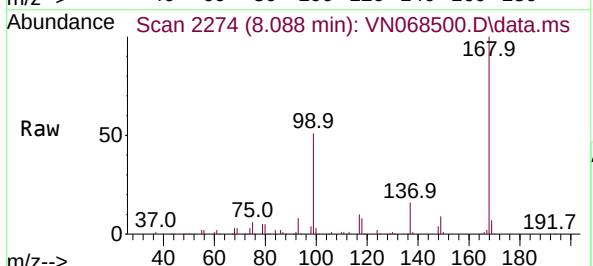
RT: 8.088 min Scan# 2274

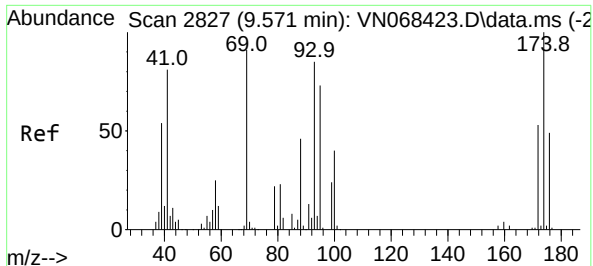
Delta R.T. -0.121 min

Lab File: VN068500.D

Acq: 16 Sep 2021 16:19

Tgt Ion:	117	Resp:	51585
Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.6	114.8#
121	0.0	24.5	36.7#





#49

1,4-Dioxane

Concen: 0.658 ug/l

RT: 9.590 min Scan# 2834

Delta R.T. 0.019 min

Lab File: VN068500.D

Acq: 16 Sep 2021 16:19

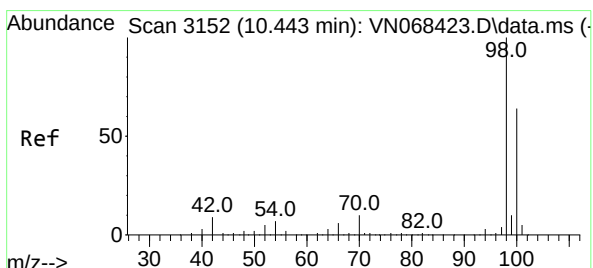
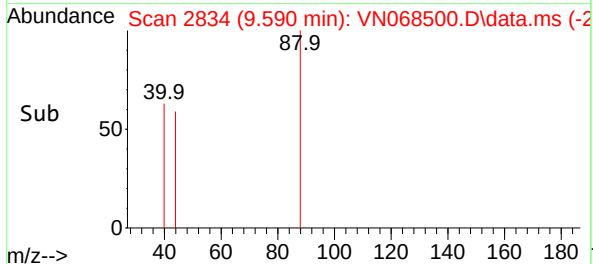
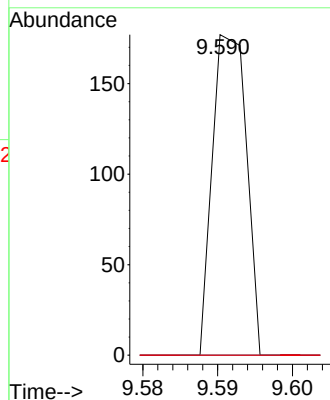
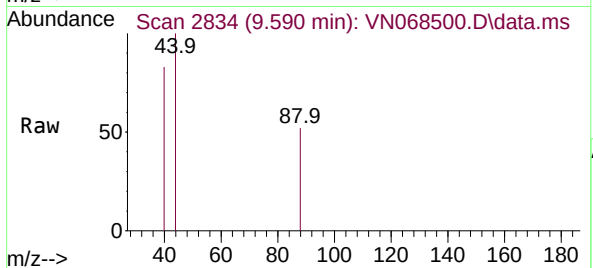
Instrument :

MSVOA_N

ClientSampleId :

VN0916WBL01

Tgt Ion: 88	Resp: 56
Ion Ratio	Lower Upper
88 100	
43 0.0	18.9 28.3#
58 0.0	46.6 69.8#



#50

Toluene-d8

Concen: 53.164 ug/l

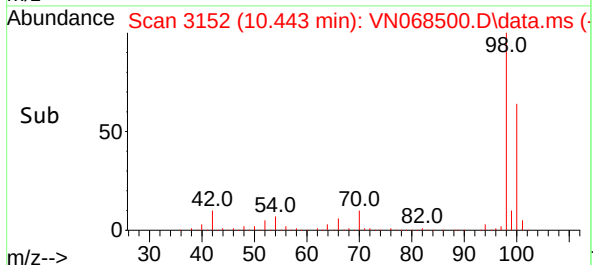
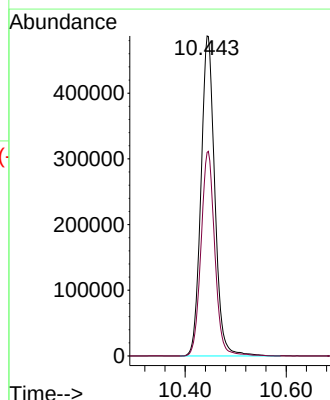
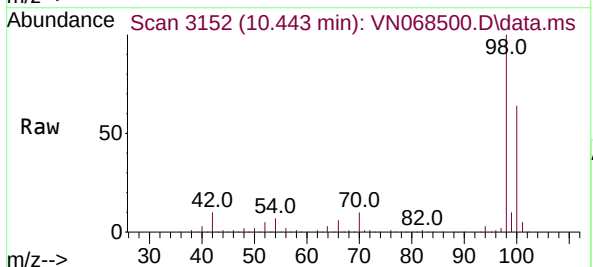
RT: 10.443 min Scan# 3152

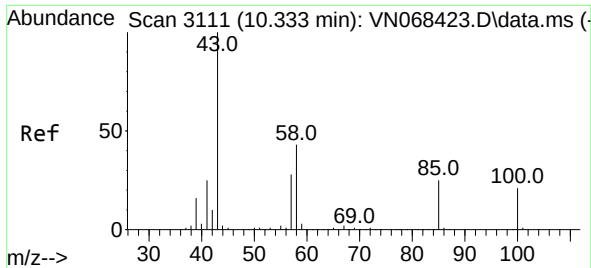
Delta R.T. 0.000 min

Lab File: VN068500.D

Acq: 16 Sep 2021 16:19

Tgt Ion: 98	Resp: 924286
Ion Ratio	Lower Upper
98 100	
100 63.9	51.0 76.6

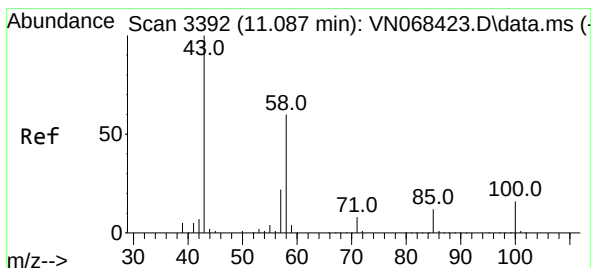
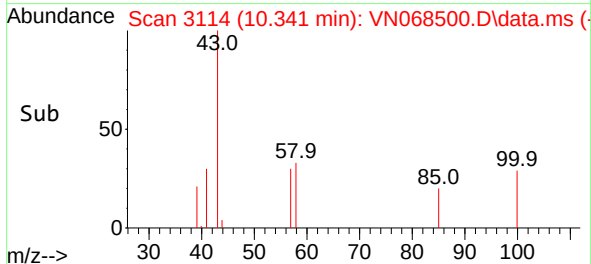
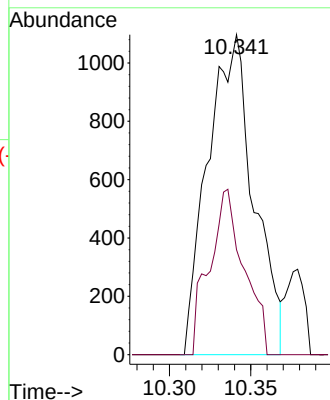
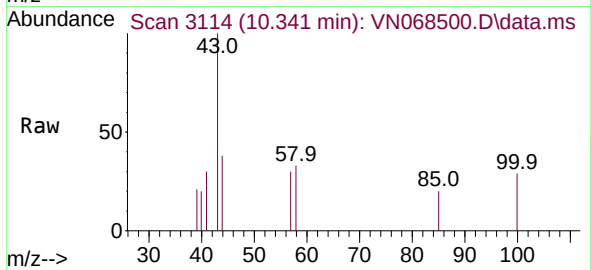




#51
4-Methyl-2-Pentanone
Concen: 0.426 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.008 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

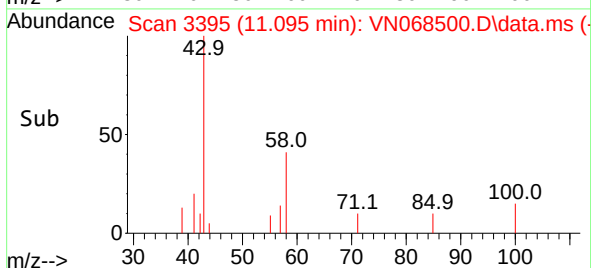
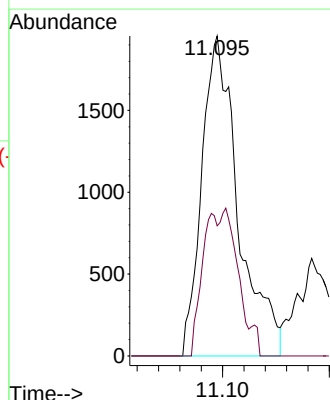
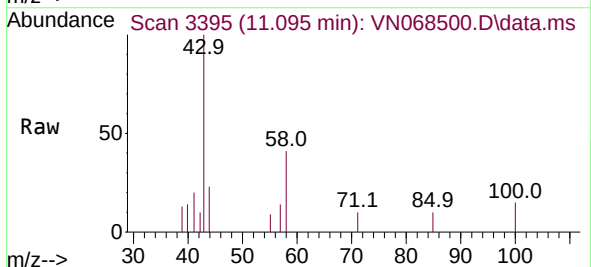
Instrument :
MSVOA_N
ClientSampled :
VN0916WBL01

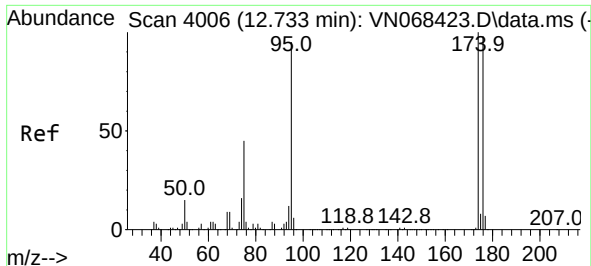
Tgt Ion: 43 Resp: 2160
Ion Ratio Lower Upper
43 100
58 39.0 34.3 51.5



#59
2-Hexanone
Concen: 1.368 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

Tgt Ion: 43 Resp: 4642
Ion Ratio Lower Upper
43 100
58 19.5 30.0 90.1#

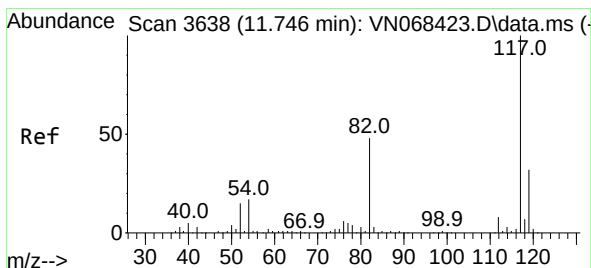
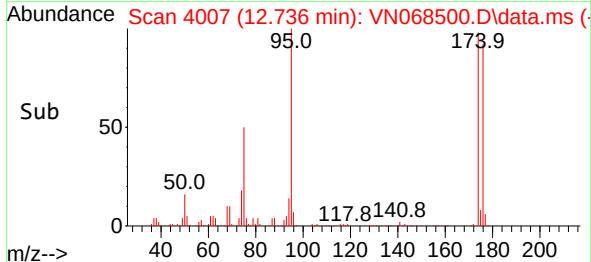
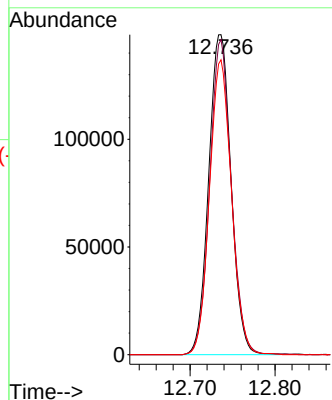
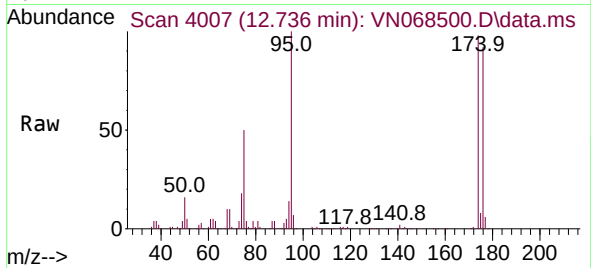




#62
4-Bromofluorobenzene
Concen: 48.741 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

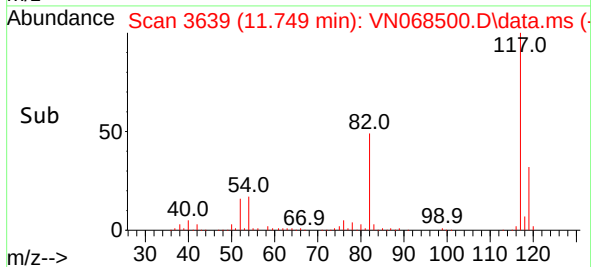
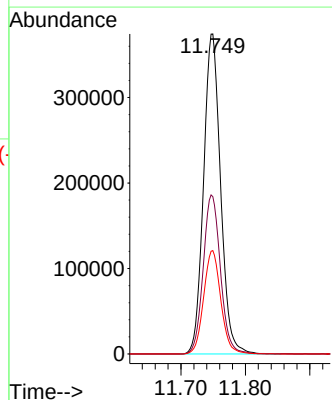
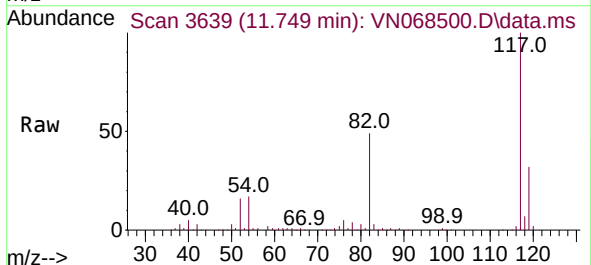
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBL01

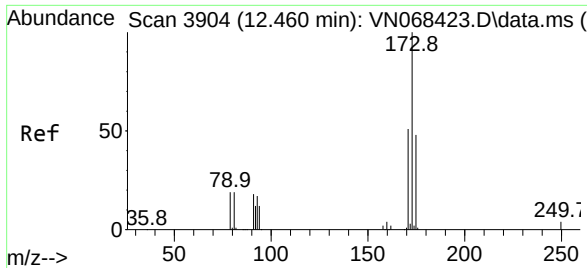
Tgt Ion: 95 Resp: 271151
Ion Ratio Lower Upper
95 100
174 95.2 0.0 214.0
176 90.7 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

Tgt Ion: 117 Resp: 688968
Ion Ratio Lower Upper
117 100
82 49.2 38.7 58.1
119 32.3 25.5 38.3

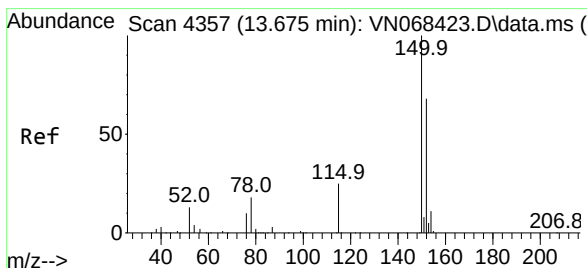
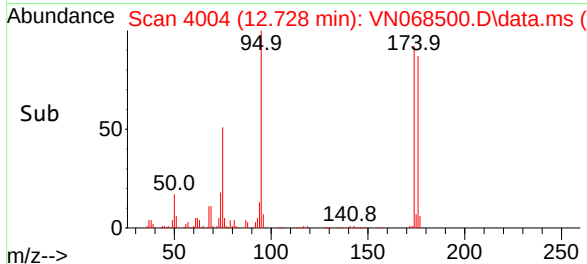
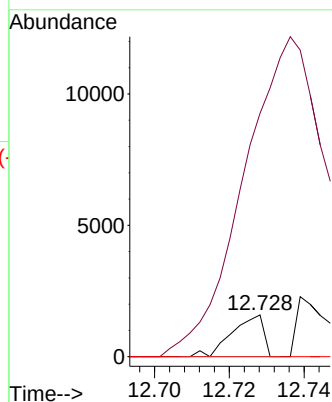
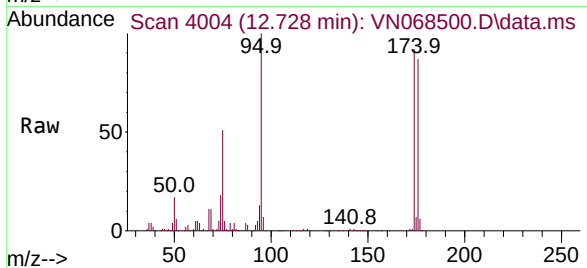




#71
Bromoform
Concen: 0.218 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

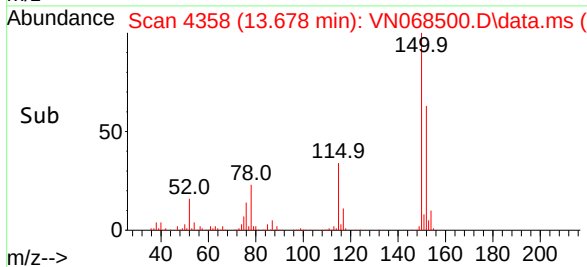
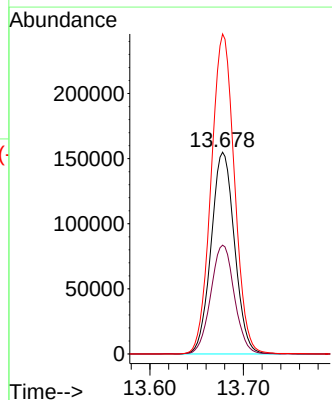
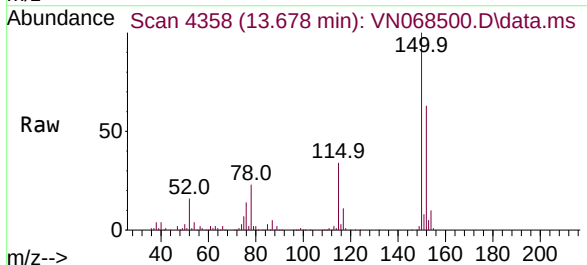
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBL01

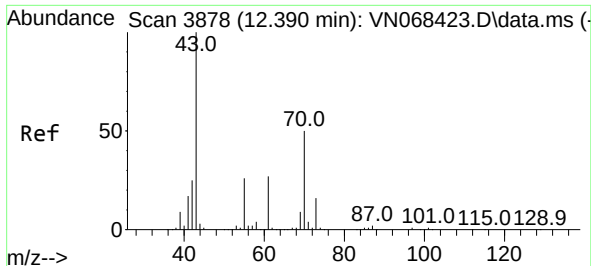
Tgt Ion:173 Resp: 929
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

Tgt Ion:152 Resp: 269984
Ion Ratio Lower Upper
152 100
115 54.5 25.6 76.6
150 158.2 0.0 346.8

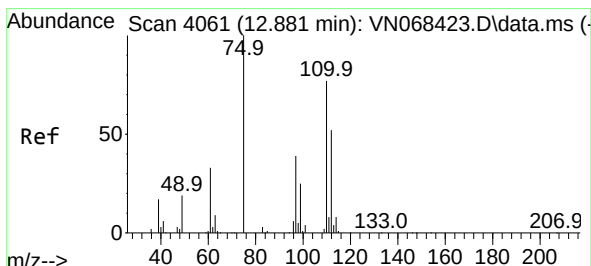
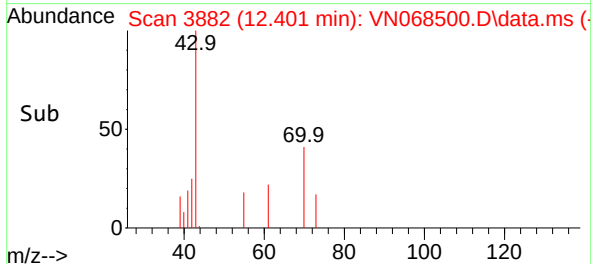
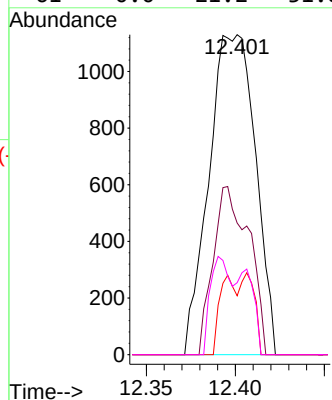
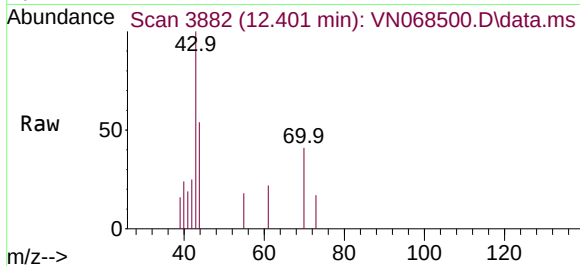




#74
N-amy1 acetate
Concen: 0.479 ug/l
RT: 12.401 min Scan# 3882
Delta R.T. 0.011 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

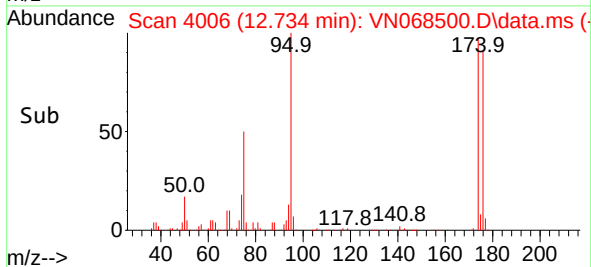
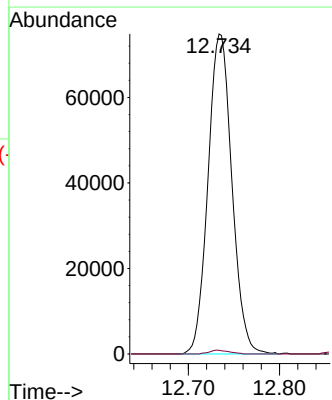
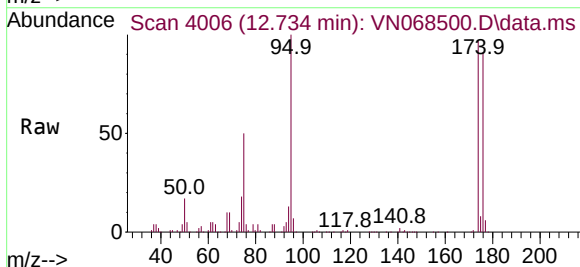
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBL01

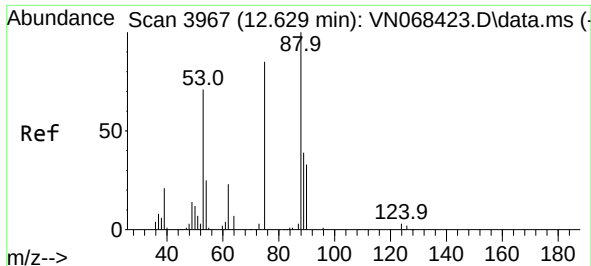
Tgt Ion:	43	Resp:	2051
Ion	Ratio	Lower	Upper
43	100		
70	0.0	40.0	60.0#
55	7.7	21.1	31.7#
61	0.0	21.2	31.8#



#76
1,2,3-Trichloropropane
Concen: 31.949 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

Tgt Ion:	75	Resp:	136162
Ion	Ratio	Lower	Upper
75	100		
77	1.0	100.9	302.7#

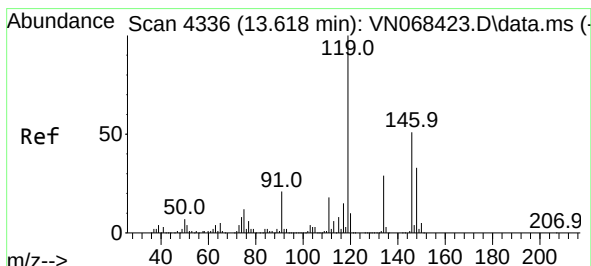
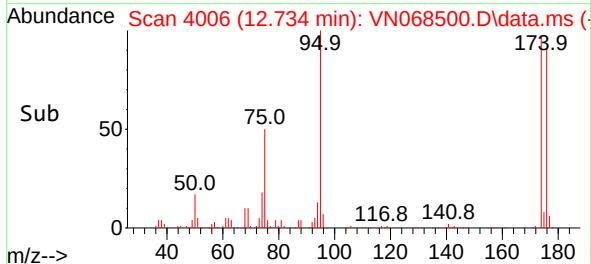
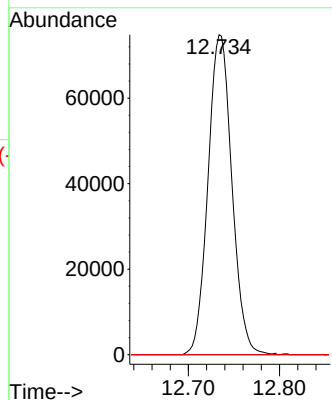
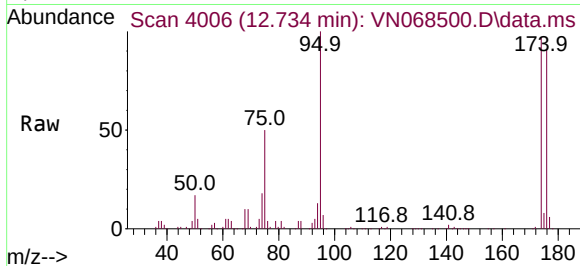




#81
trans-1,4-Dichloro-2-butene
Concen: 111.770 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

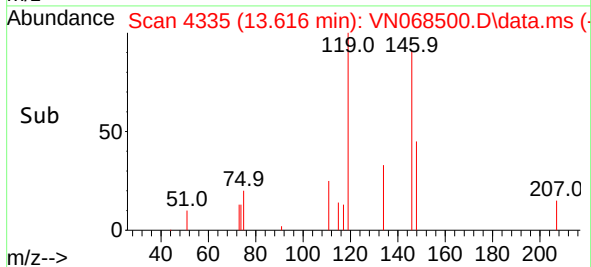
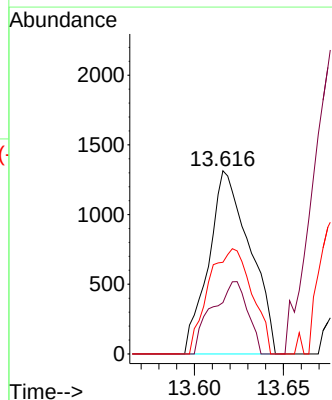
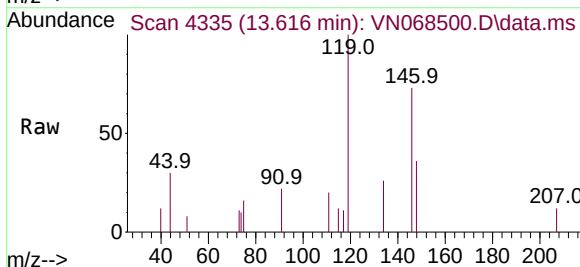
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBL01

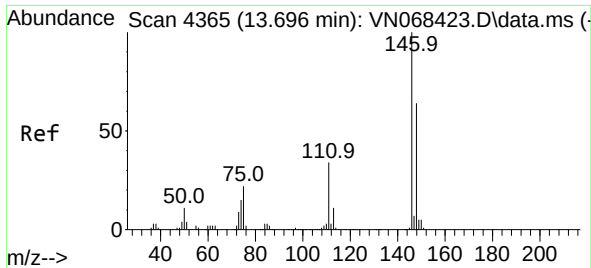
Tgt Ion: 75 Resp: 136162
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#



#87
1,3-Dichlorobenzene
Concen: 0.230 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. -0.003 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

Tgt Ion: 146 Resp: 2121
Ion Ratio Lower Upper
146 100
111 33.8 17.6 52.8
148 60.5 32.1 96.3

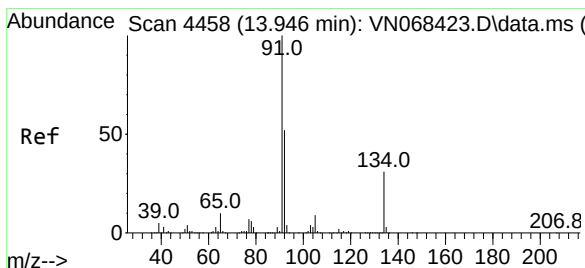
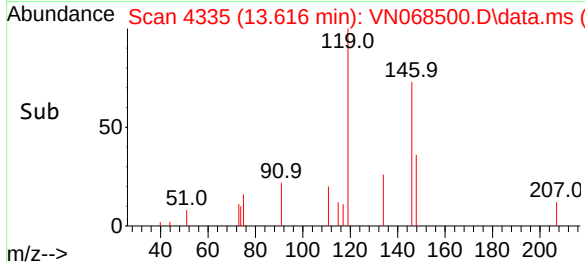
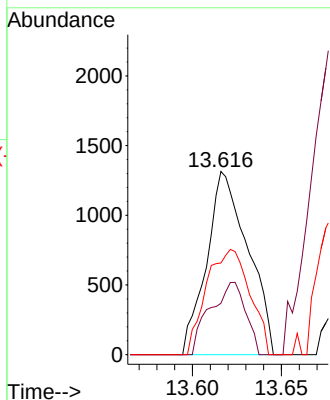
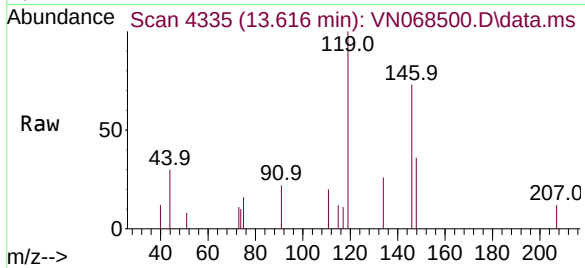




#88
1,4-Dichlorobenzene
Concen: 0.233 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. -0.080 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

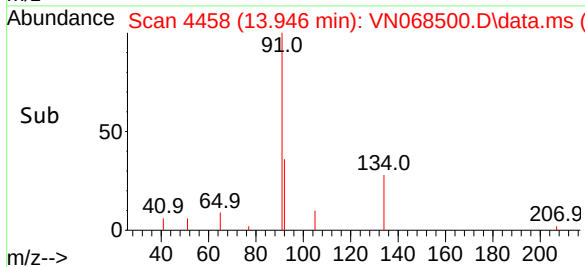
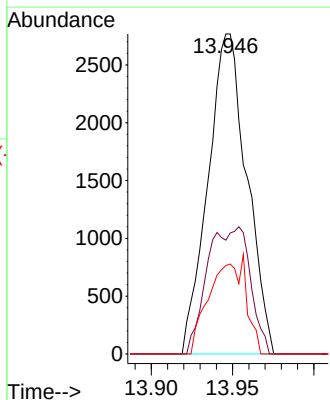
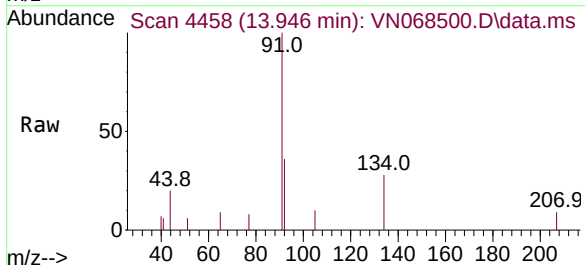
Instrument :
MSVOA_N
ClientSampled :
VN0916WBL01

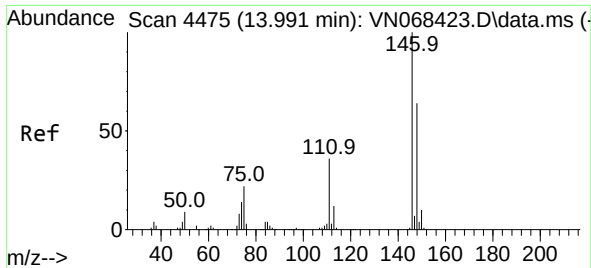
Tgt Ion:	146	Resp:	2121
Ion	Ratio	Lower	Upper
146	100		
111	33.8	17.2	51.6
148	60.5	31.9	95.7



#89
n-Butylbenzene
Concen: 0.399 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.000 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

Tgt Ion:	91	Resp:	4606
Ion	Ratio	Lower	Upper
91	100		
92	21.7	26.0	78.0#
134	27.9	15.4	46.2

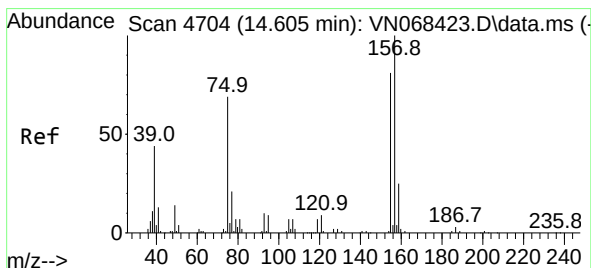
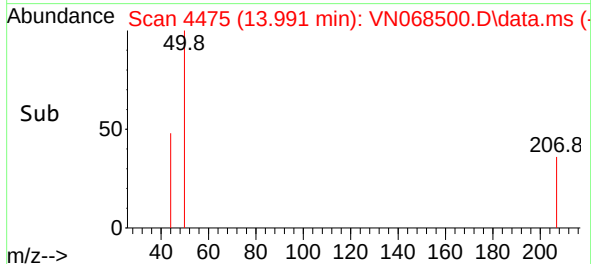
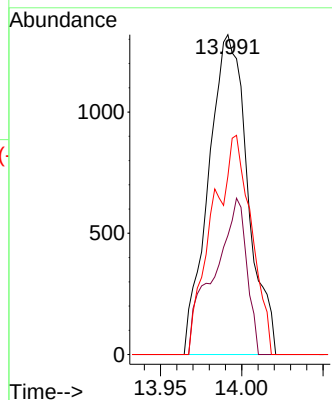
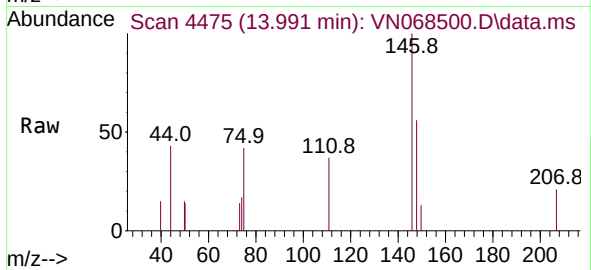




#91
1,2-Dichlorobenzene
Concen: 0.249 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.000 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

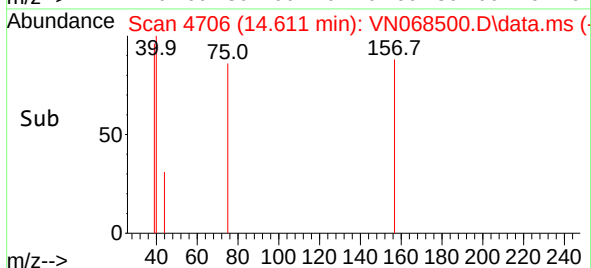
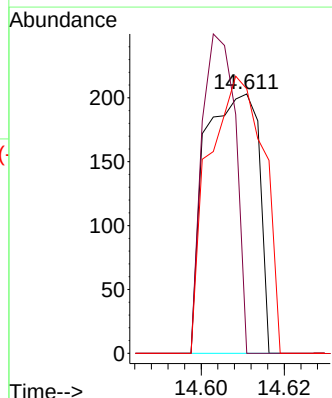
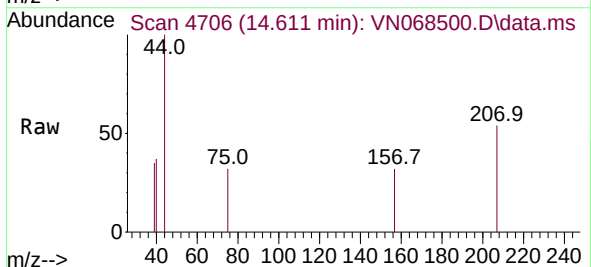
Instrument :
MSVOA_N
ClientSampled :
VN0916WBL01

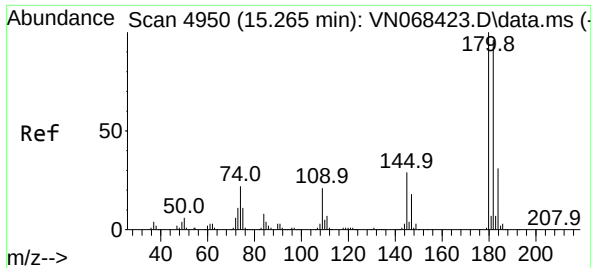
Tgt Ion:	146	Resp:	2216
Ion	Ratio	Lower	Upper
146	100		
111	40.5	18.1	54.3
148	68.5	32.1	96.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.212 ug/l
RT: 14.611 min Scan# 4706
Delta R.T. 0.006 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

Tgt Ion:	75	Resp:	181
Ion	Ratio	Lower	Upper
75	100		
155	76.2	56.9	170.7
157	110.5	73.0	219.2

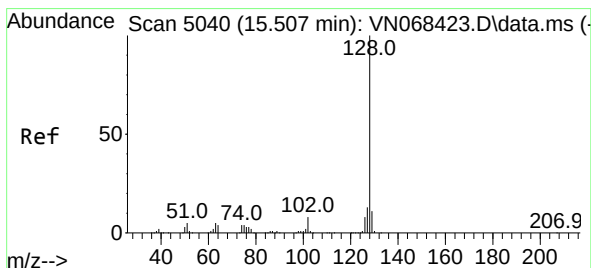
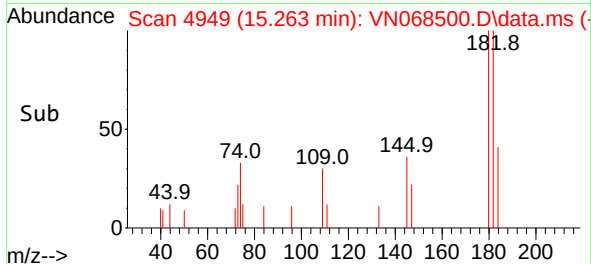
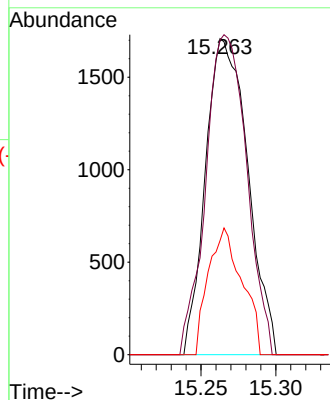
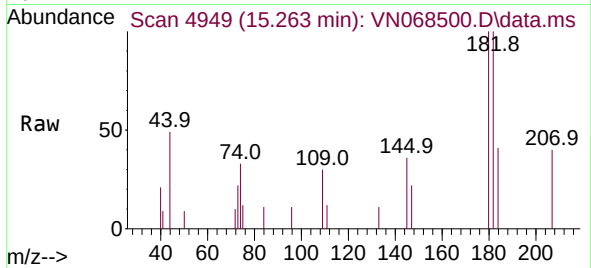




#93
1,2,4-Trichlorobenzene
Concen: 0.827 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

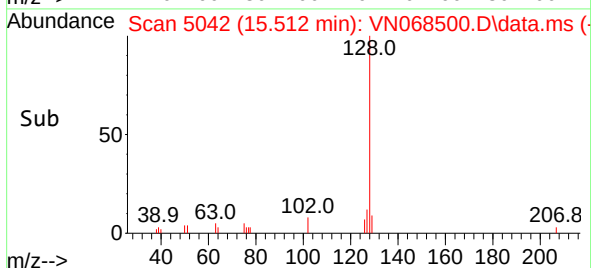
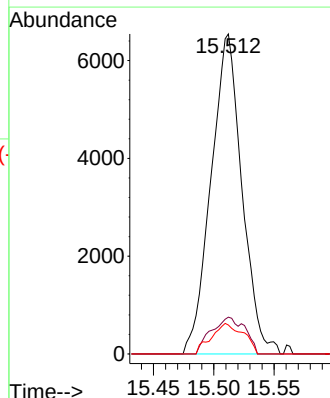
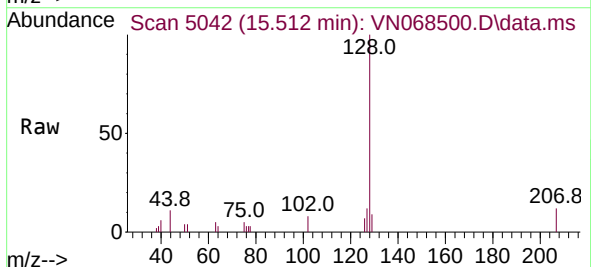
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBL01

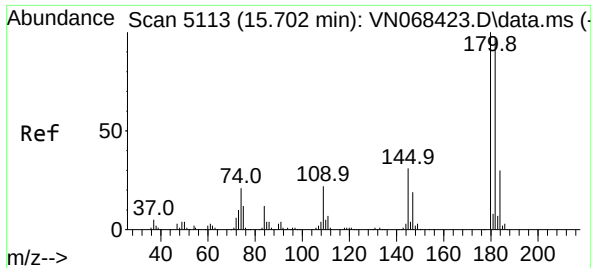
Tgt Ion:180 Resp: 3356
Ion Ratio Lower Upper
180 100
182 98.0 47.5 142.6
145 31.9 14.1 42.4



#95
Naphthalene
Concen: 4.512 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068500.D
Acq: 16 Sep 2021 16:19

Tgt Ion:128 Resp: 11676
Ion Ratio Lower Upper
128 100
127 12.5 10.6 15.8
129 9.8 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.943 ug/l
 RT: 15.703 min Scan# 5113
 Delta R.T. 0.000 min
 Lab File: VN068500.D
 Acq: 16 Sep 2021 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBL01

Tgt Ion:	180	Resp:	3657
Ion	Ratio	Lower	Upper
180	100		
182	105.2	47.9	143.6
145	35.9	15.2	45.5

