

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN068968.D
 Acq On : 18 Oct 2021 10:31
 Operator : JC/MD
 Sample : VN1018MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 06:32:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

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

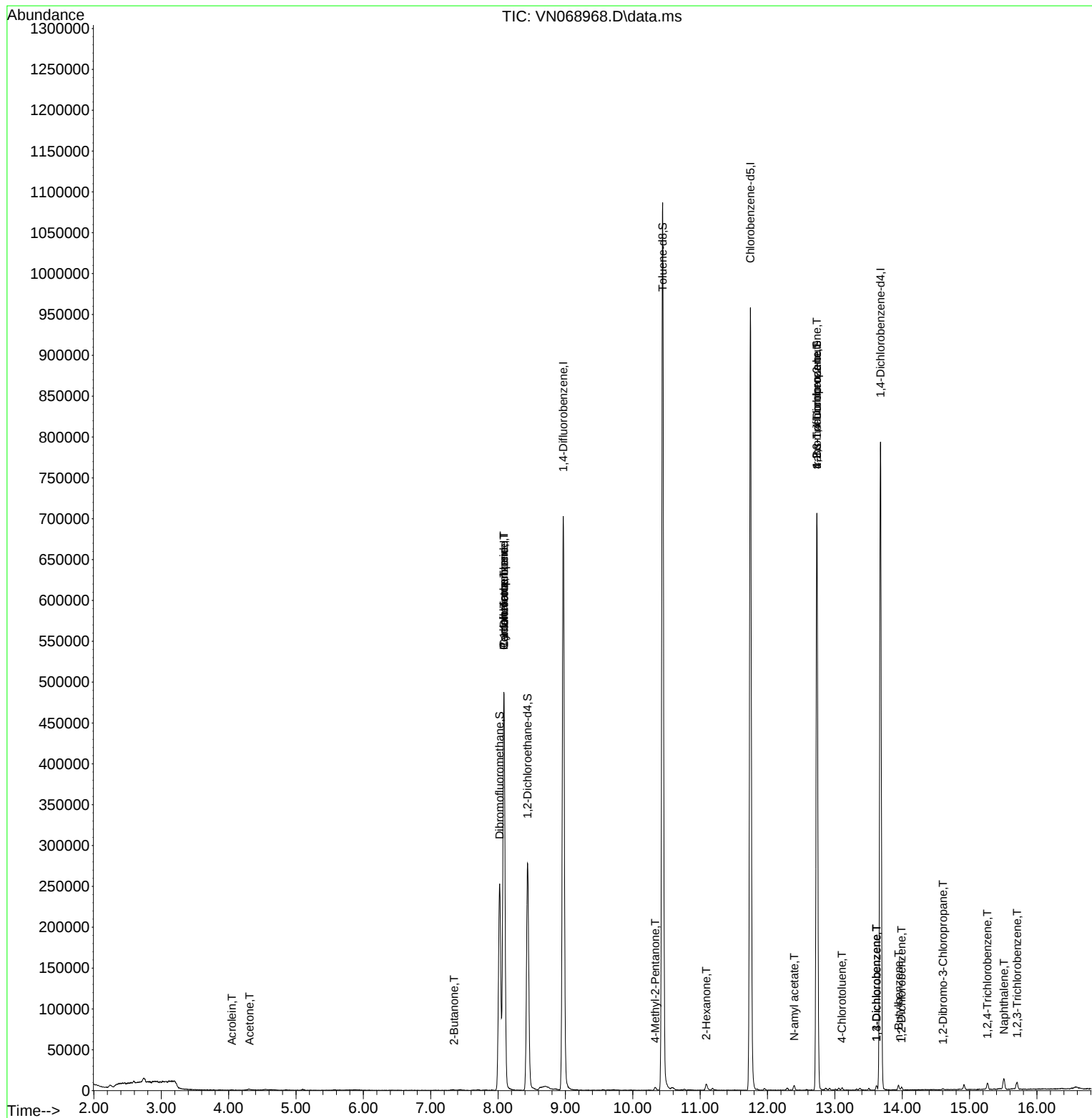
Internal Standards						
1) Pentafluorobenzene	8.088	168	362894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	634482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	569019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	210220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	240626	50.291	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.580%			
35) Dibromofluoromethane	8.024	113	190644	51.644	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.280%			
50) Toluene-d8	10.443	98	785952	53.212	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.420%			
62) 4-Bromofluorobenzene	12.734	95	264464	47.458	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 94.920%			
Target Compounds						Qvalue
13) Acrolein	4.047	56	244	0.631	ug/l #	23
16) Acetone	4.312	43	3197	1.791	ug/l #	83
25) 2-Butanone	7.346	43	745	0.276	ug/l #	48
31) Cyclohexane	8.086	56	8868	1.192	ug/l #	13
36) 1,1-Dichloropropene	8.086	75	30785	5.680	ug/l #	49
38) Carbon Tetrachloride	8.088	117	39383	6.617	ug/l #	15
51) 4-Methyl-2-Pentanone	10.333	43	2992	0.522	ug/l #	85
59) 2-Hexanone	11.090	43	6726	1.638	ug/l	94
74) N-amyl acetate	12.396	43	3831	0.578	ug/l	94
76) 1,2,3-Trichloropropane	12.734	75	137127	30.657	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	137127	73.346	ug/l #	12
82) 4-Chlorotoluene	13.106	91	2554	0.218	ug/l	88
87) 1,3-Dichlorobenzene	13.619	146	1652	0.247	ug/l	94
88) 1,4-Dichlorobenzene	13.619	146	1652	0.249	ug/l	95
89) n-Butylbenzene	13.946	91	4078	0.348	ug/l	98
91) 1,2-Dichlorobenzene	13.989	146	1830	0.281	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.606	75	385	0.395	ug/l	87
93) 1,2,4-Trichlorobenzene	15.265	180	3099	3.434	ug/l	97
95) Naphthalene	15.509	128	13553	5.095	ug/l	97
96) 1,2,3-Trichlorobenzene	15.705	180	3874	3.609	ug/l	96

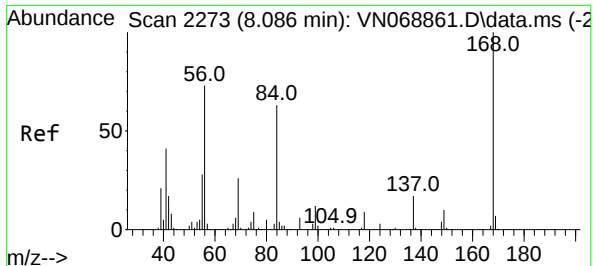
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 19 06:32:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 13 05:44:40 2021
Response via : Initial Calibration

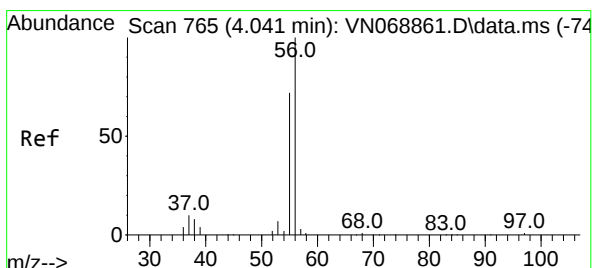
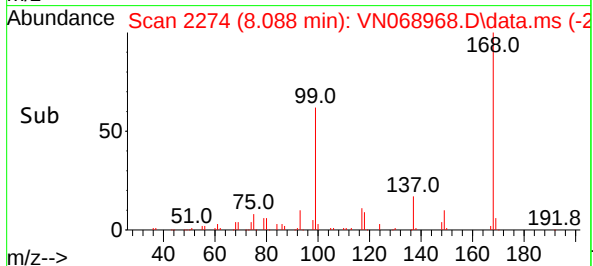
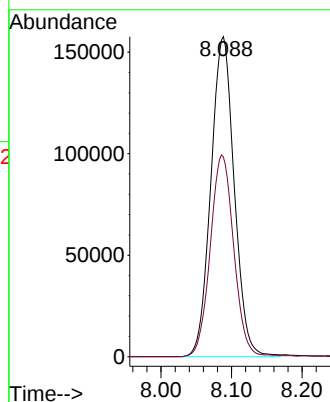
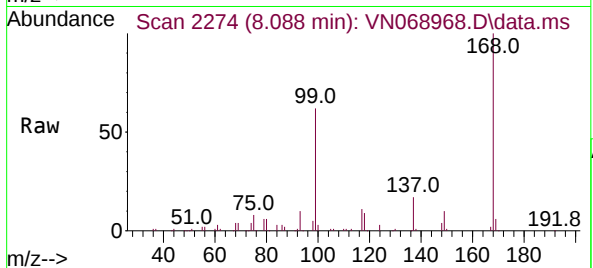




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

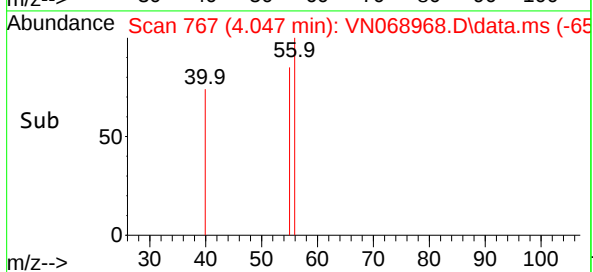
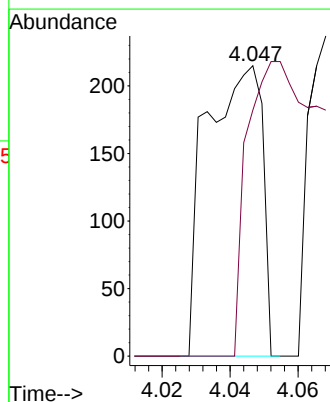
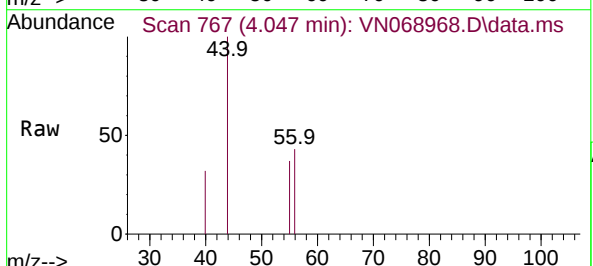
Instrument :
MSVOA_N
ClientSampled :

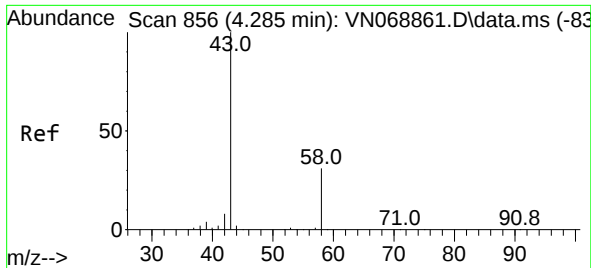
Tgt Ion:168 Resp: 362894
Ion Ratio Lower Upper
168 100
99 62.4 48.9 73.3



#13
Acrolein
Concen: 0.631 ug/l
RT: 4.047 min Scan# 767
Delta R.T. 0.005 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

Tgt Ion: 56 Resp: 244
Ion Ratio Lower Upper
56 100
55 137.3 58.1 87.1#

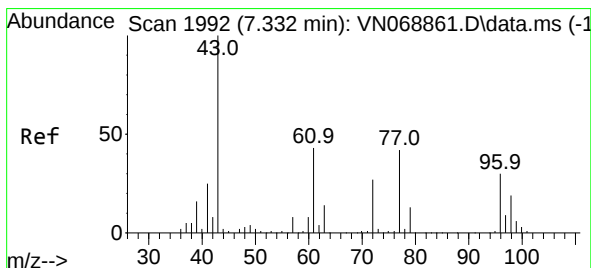
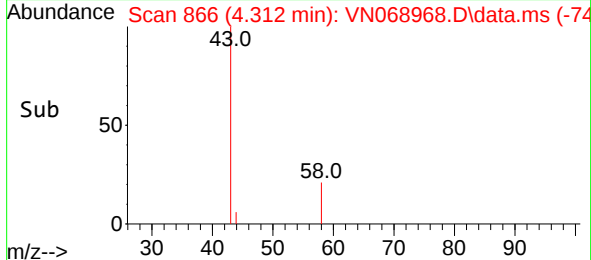
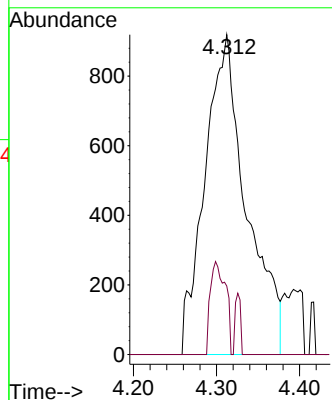
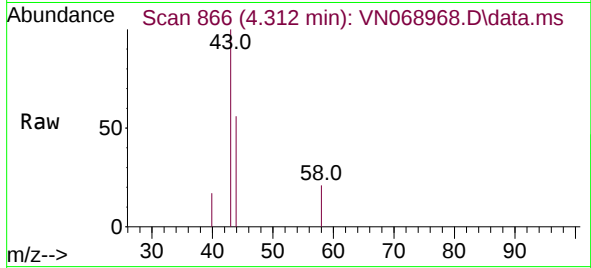




#16
Acetone
Concen: 1.791 ug/l
RT: 4.312 min Scan# 866
Delta R.T. 0.027 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

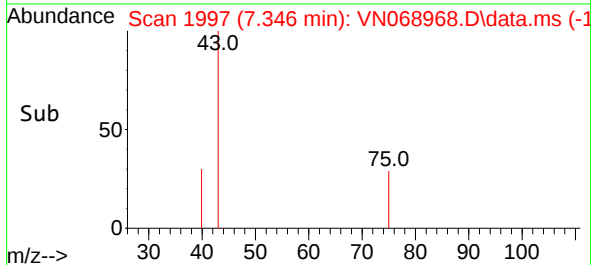
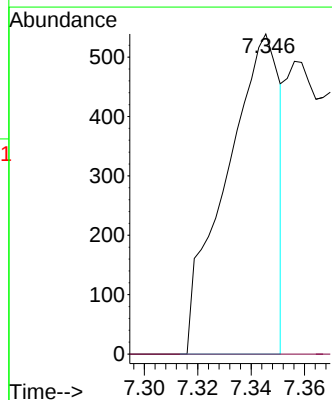
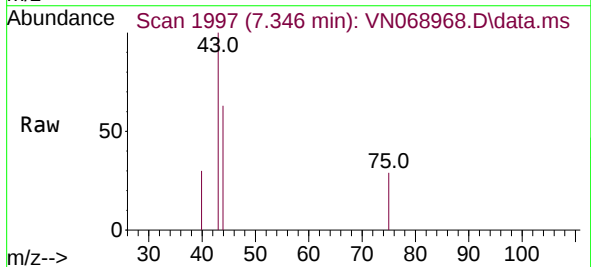
Instrument :
MSVOA_N
ClientSampled :

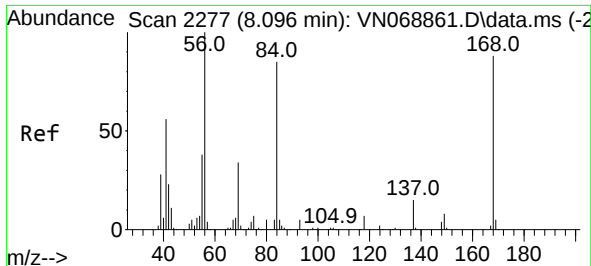
Tgt Ion: 43 Resp: 3197
Ion Ratio Lower Upper
43 100
58 21.4 24.5 36.7#



#25
2-Butanone
Concen: 0.276 ug/l
RT: 7.346 min Scan# 1997
Delta R.T. 0.014 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

Tgt Ion: 43 Resp: 745
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#

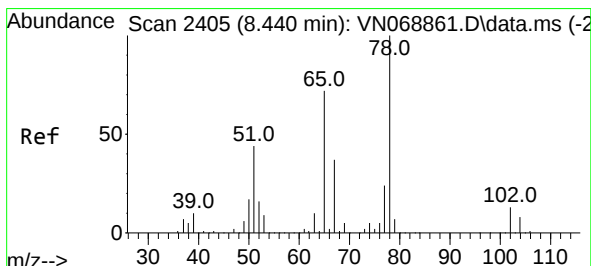
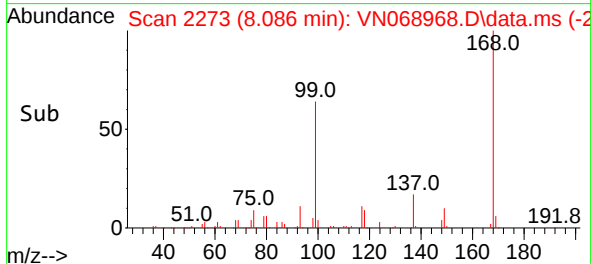
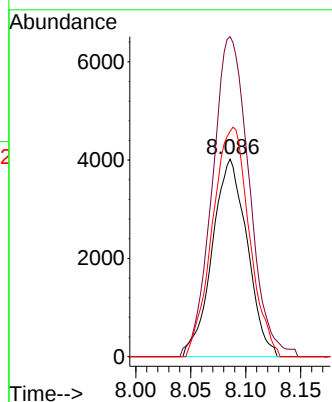
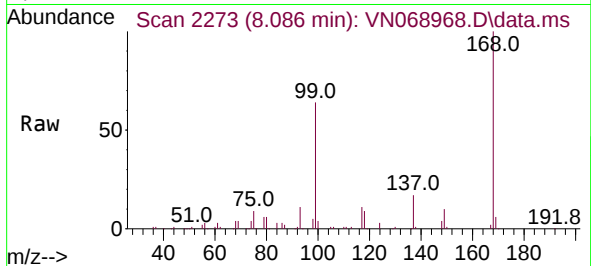




#31
Cyclohexane
Concen: 1.192 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

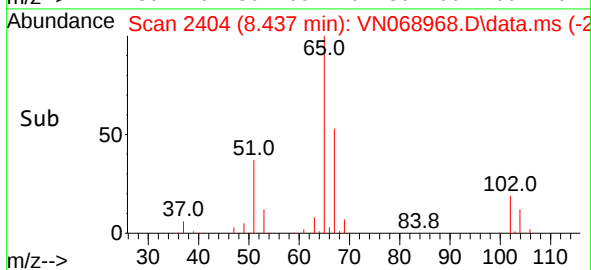
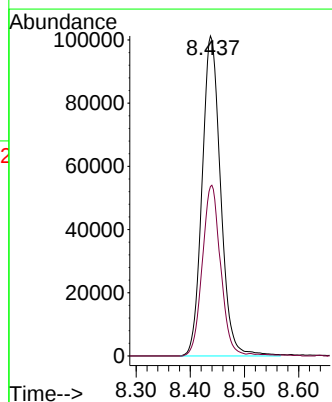
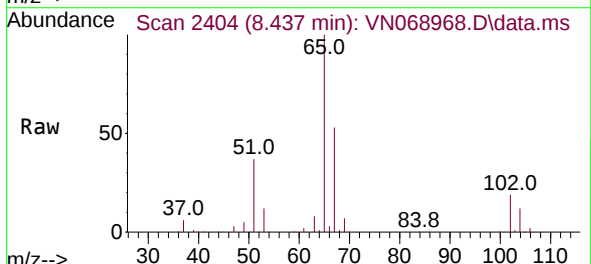
Instrument :
MSVOA_N
ClientSampled :

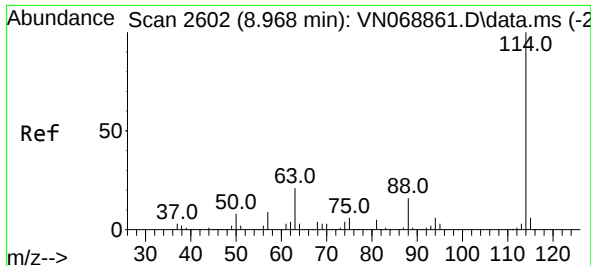
Tgt Ion: 56 Resp: 8868
Ion Ratio Lower Upper
56 100
69 161.9 26.9 40.3#
84 114.1 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 50.291 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

Tgt Ion: 65 Resp: 240626
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.8

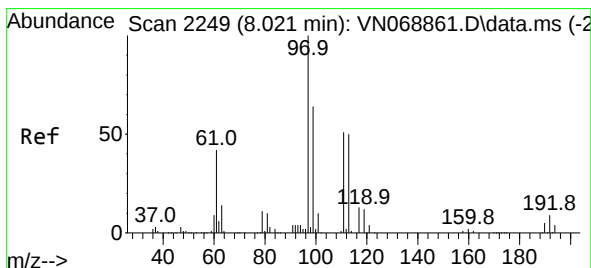
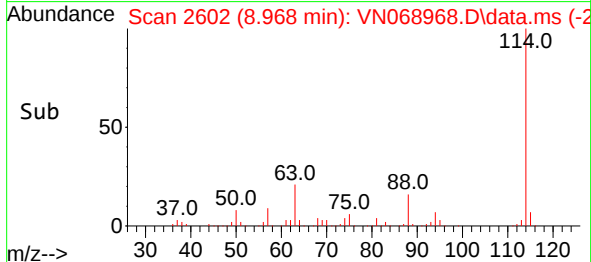
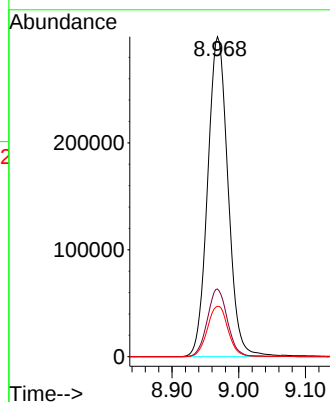
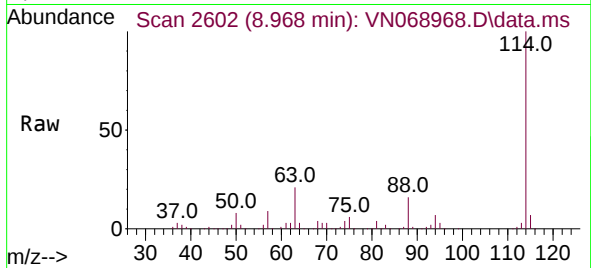




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

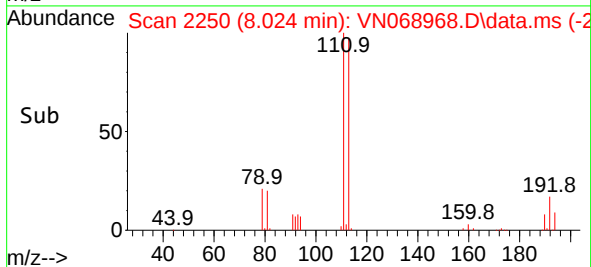
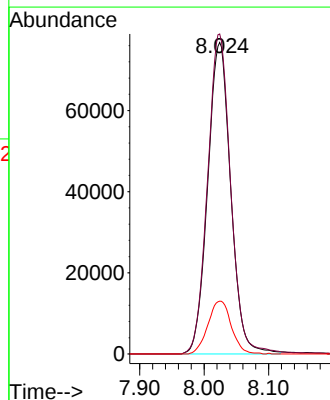
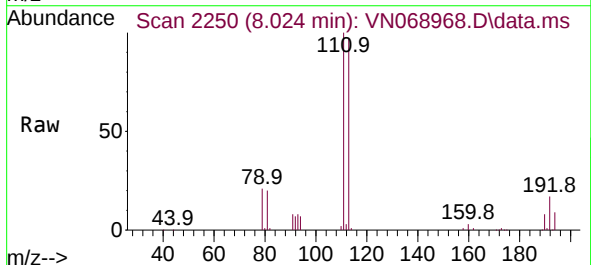
Instrument :
MSVOA_N
ClientSampled :

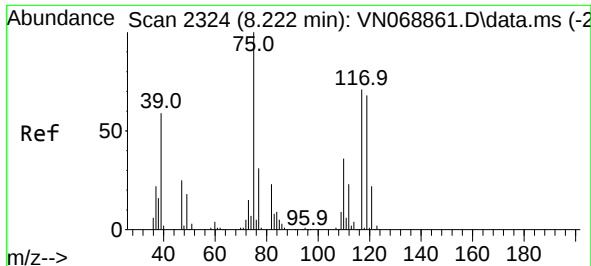
Tgt Ion:114 Resp: 634482
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.6
88 15.7 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.644 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

Tgt Ion:113 Resp: 190644
Ion Ratio Lower Upper
113 100
111 103.4 83.2 124.8
192 17.2 15.0 22.4

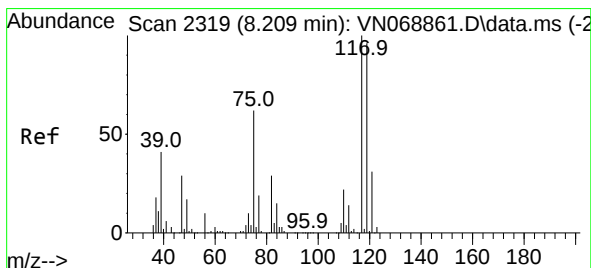
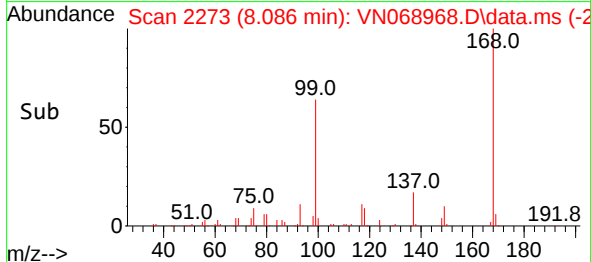
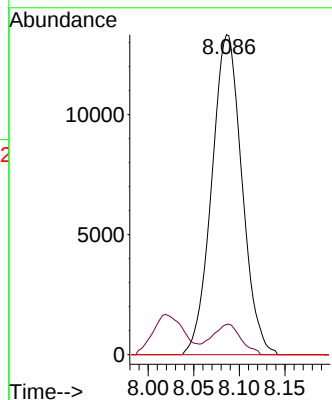
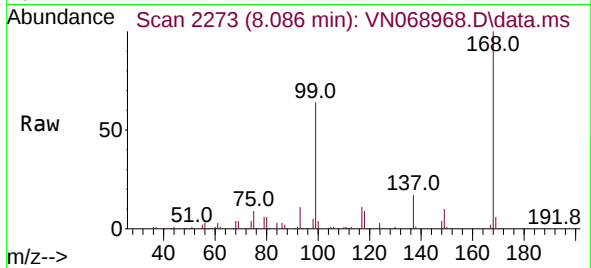




#36
 1,1-Dichloropropene
 Concen: 5.680 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.137 min
 Lab File: VN068968.D
 Acq: 18 Oct 2021 10:31

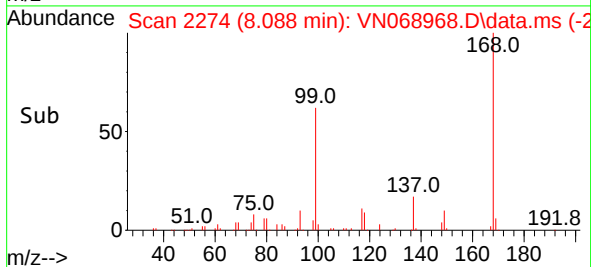
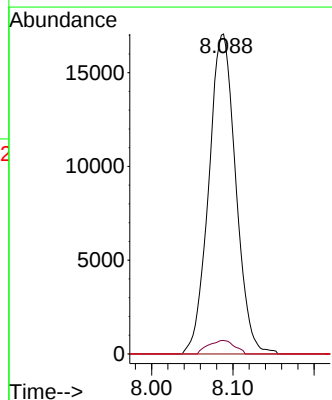
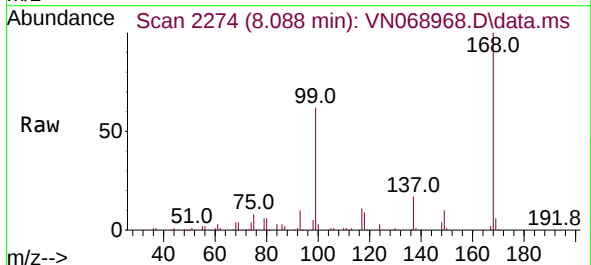
Instrument :
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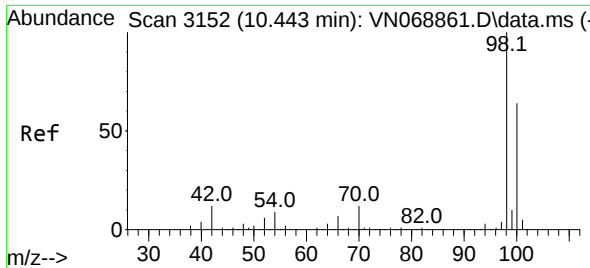
Tgt Ion: 75 Resp: 30785
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.9 53.8#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.617 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.121 min
 Lab File: VN068968.D
 Acq: 18 Oct 2021 10:31

Tgt Ion: 117 Resp: 39383
 Ion Ratio Lower Upper
 117 100
 119 4.2 76.9 115.3#
 121 0.0 24.6 37.0#

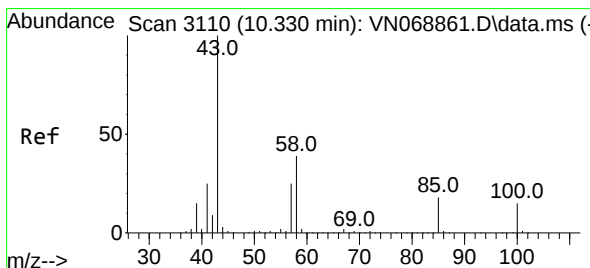
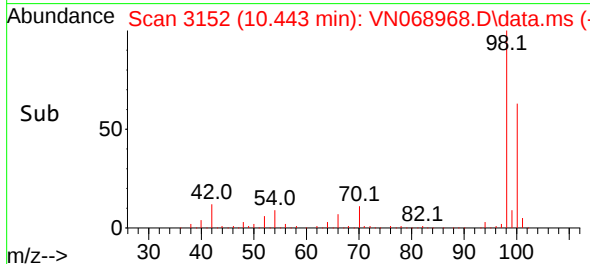
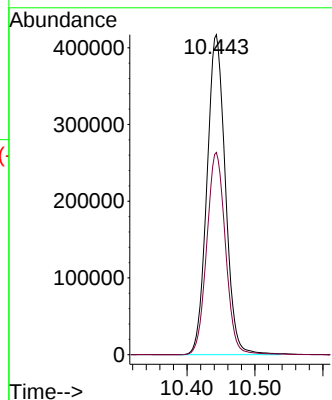
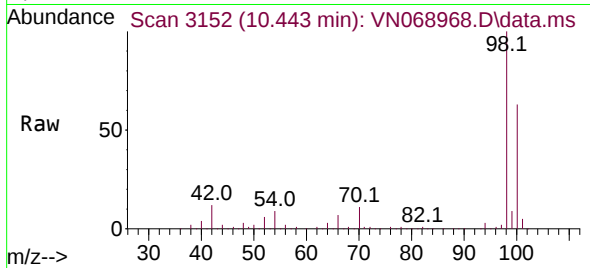




#50
Toluene-d8
Concen: 53.212 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

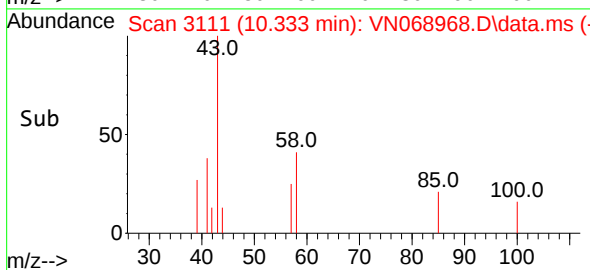
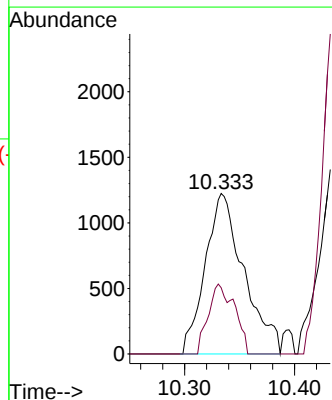
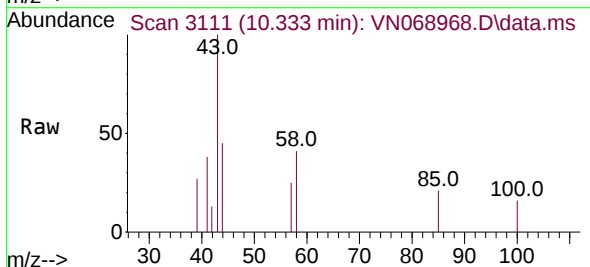
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MSVOA_N
ClientSampled :

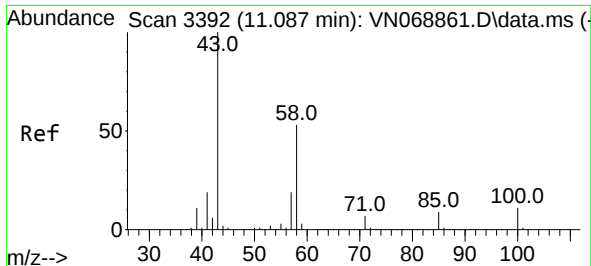
Tgt Ion: 98 Resp: 785952
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.522 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

Tgt Ion: 43 Resp: 2992
Ion Ratio Lower Upper
43 100
58 29.5 31.0 46.4#

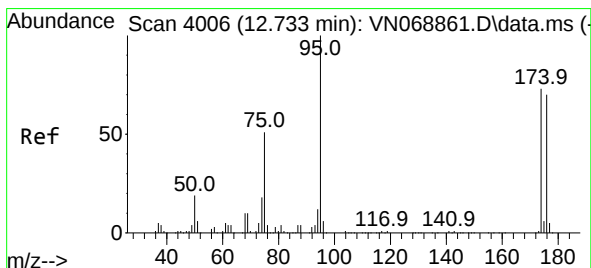
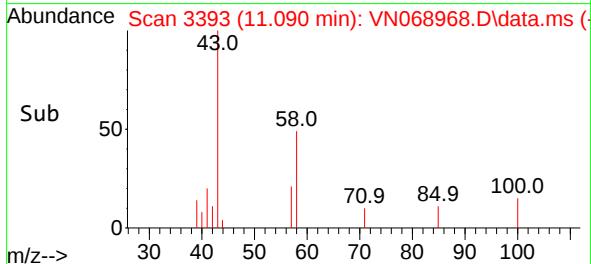
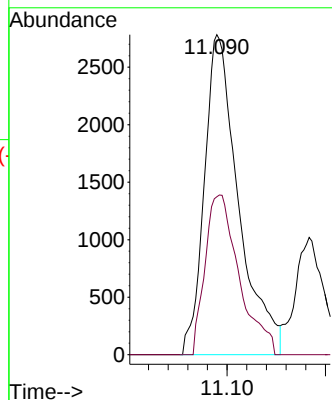
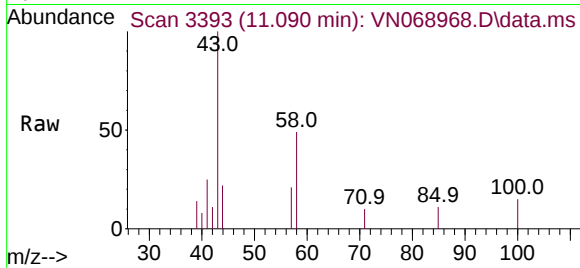




#59
2-Hexanone
Concen: 1.638 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.003 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

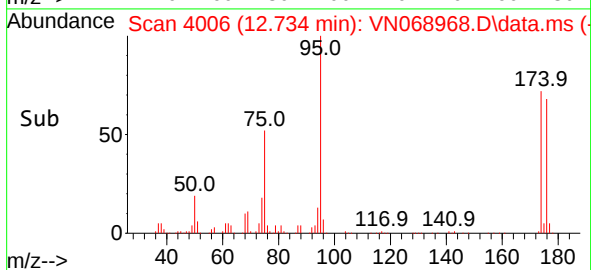
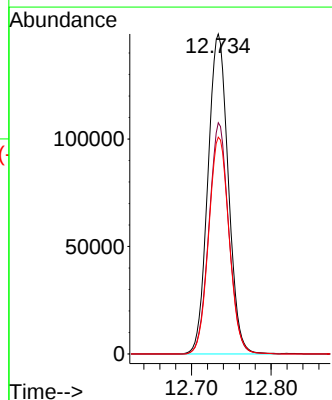
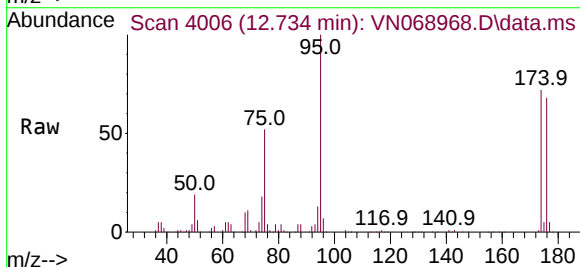
Instrument :
MSVOA_N
ClientSampled :

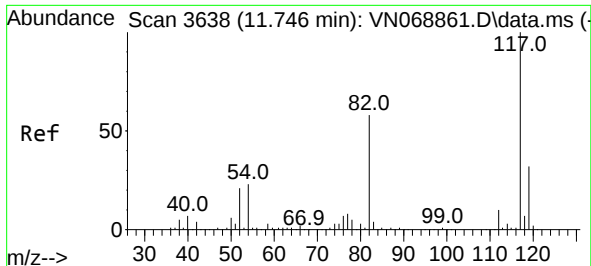
Tgt Ion: 43 Resp: 6726
Ion Ratio Lower Upper
43 100
58 49.7 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 47.458 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

Tgt Ion: 95 Resp: 264464
Ion Ratio Lower Upper
95 100
174 70.7 0.0 144.8
176 68.1 0.0 140.0

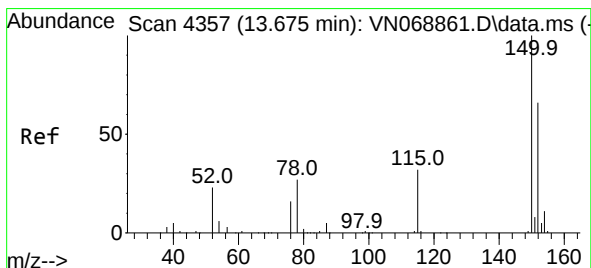
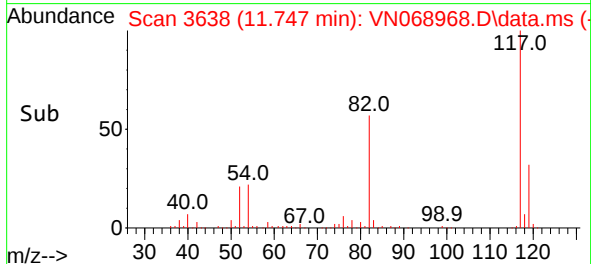
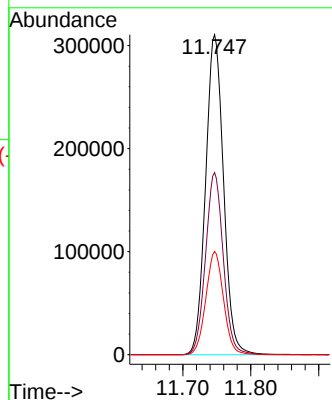
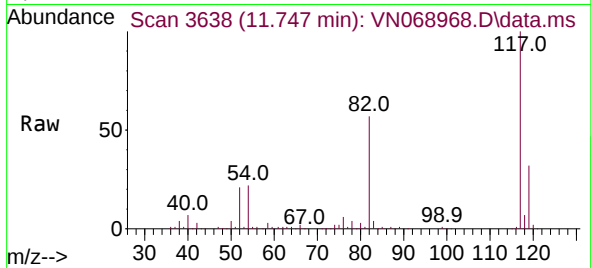




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

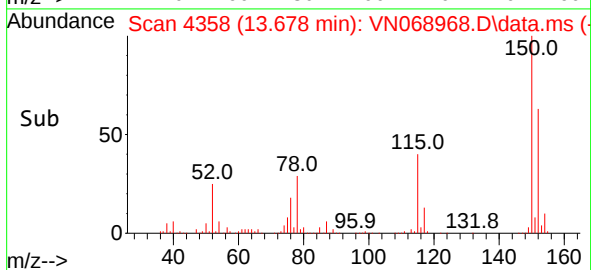
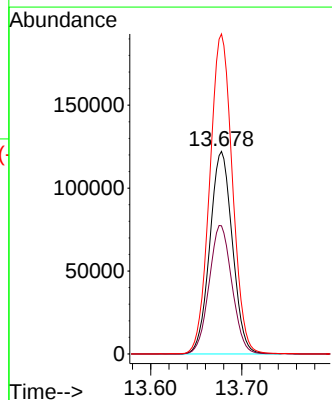
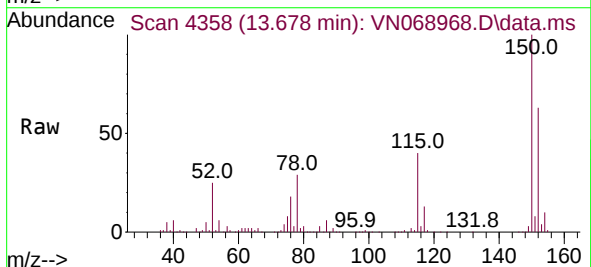
Instrument :
MSVOA_N
ClientSampled :

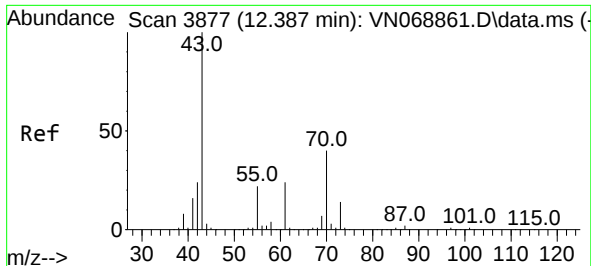
Tgt Ion:117 Resp: 569019
Ion Ratio Lower Upper
117 100
82 56.9 46.4 69.6
119 32.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

Tgt Ion:152 Resp: 210220
Ion Ratio Lower Upper
152 100
115 64.2 31.4 94.3
150 158.6 0.0 351.0



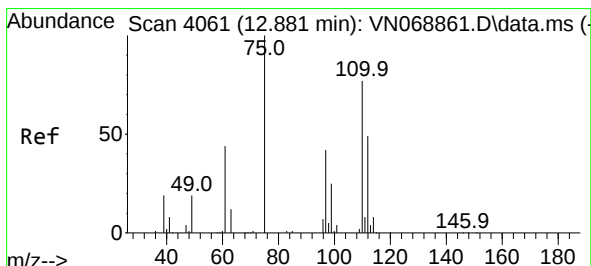
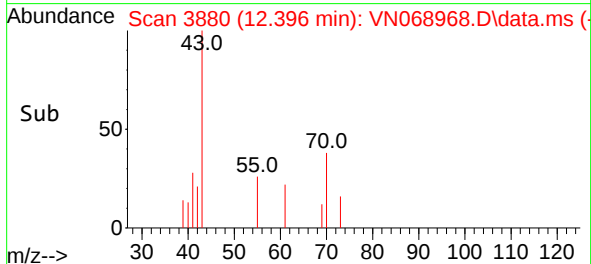
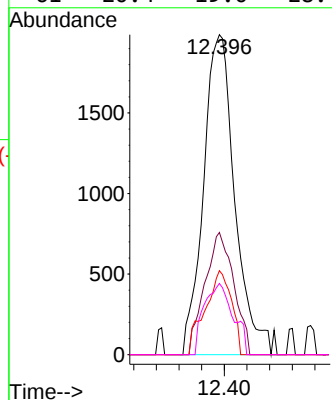
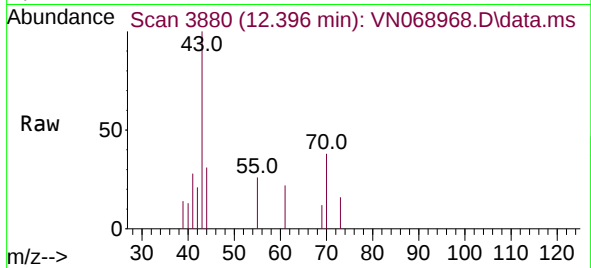


#74
N-amy1 acetate
Concen: 0.578 ug/l
RT: 12.396 min Scan# 3880
Delta R.T. 0.008 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 3831

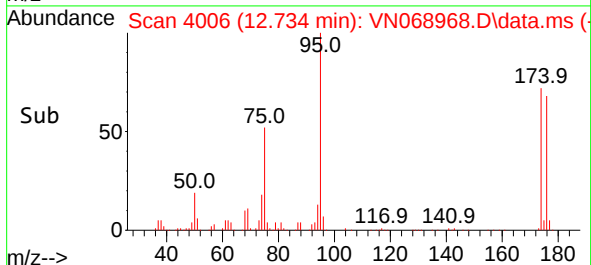
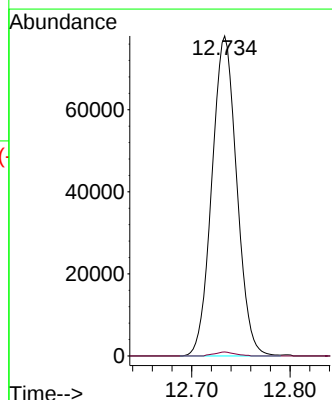
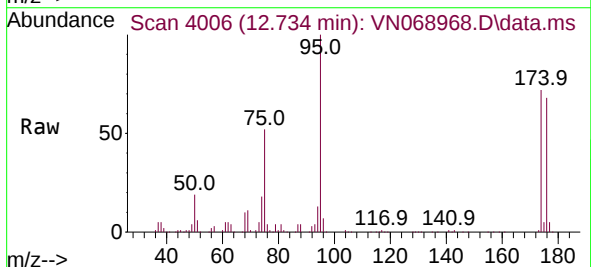
Ion	Ratio	Lower	Upper
43	100		
70	35.2	32.2	48.2
55	22.0	18.0	27.0
61	20.4	19.0	28.4

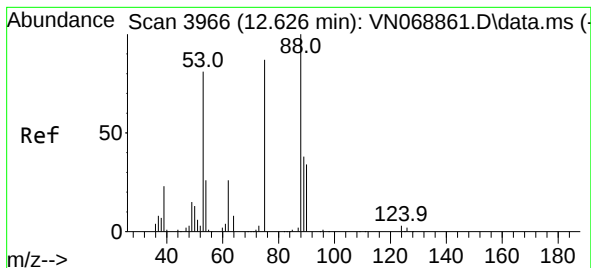


#76
1,2,3-Trichloropropane
Concen: 30.657 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

Tgt Ion: 75 Resp: 137127

Ion	Ratio	Lower	Upper
75	100		
77	1.0	96.2	288.4#

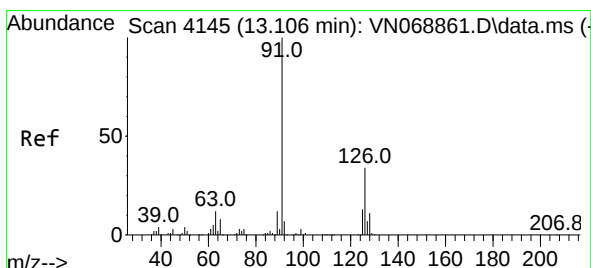
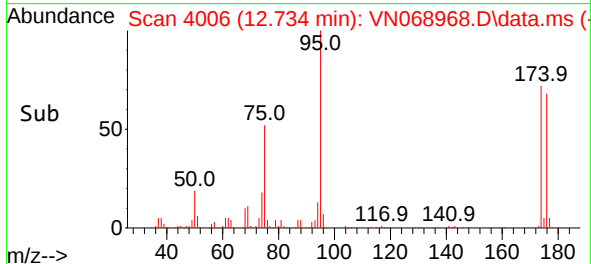
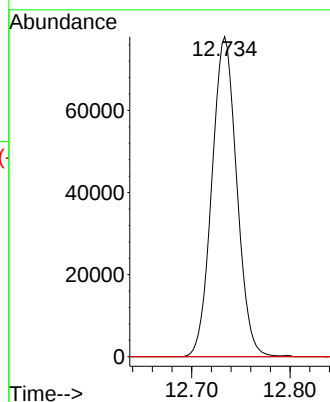
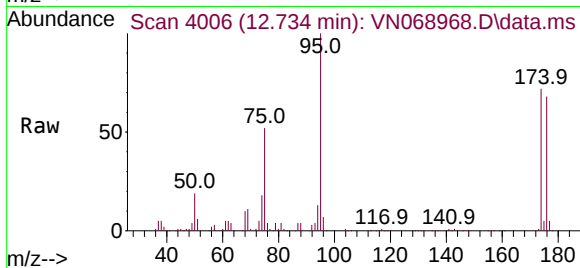




#81
trans-1,4-Dichloro-2-butene
Concen: 73.346 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

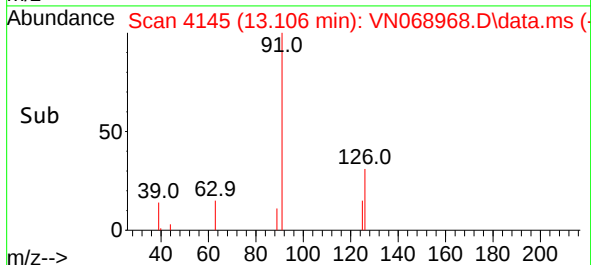
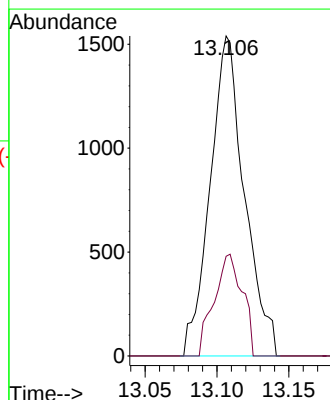
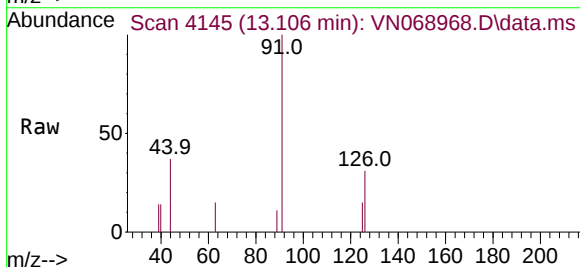
Instrument :
MSVOA_N
ClientSampled :

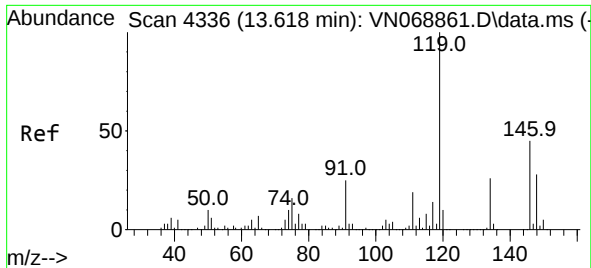
Tgt Ion: 75 Resp: 137127
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.218 ug/l
RT: 13.106 min Scan# 4145
Delta R.T. 0.000 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

Tgt Ion: 91 Resp: 2554
Ion Ratio Lower Upper
91 100
126 26.0 16.3 48.8





#87

1,3-Dichlorobenzene

Concen: 0.247 ug/l

RT: 13.619 min Scan# 4336

Delta R.T. 0.000 min

Lab File: VN068968.D

Acq: 18 Oct 2021 10:31

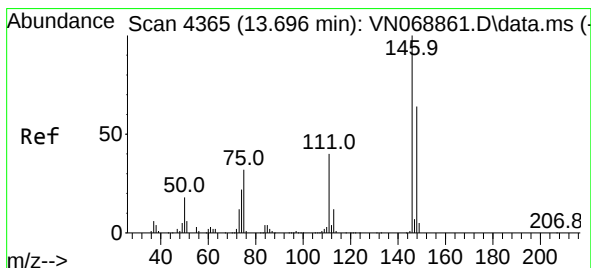
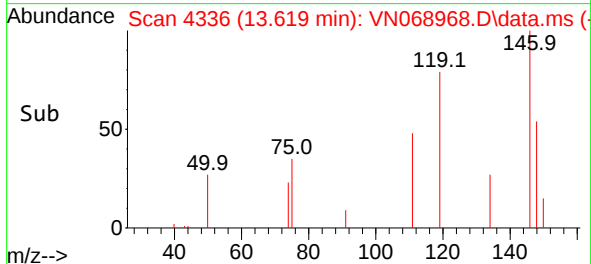
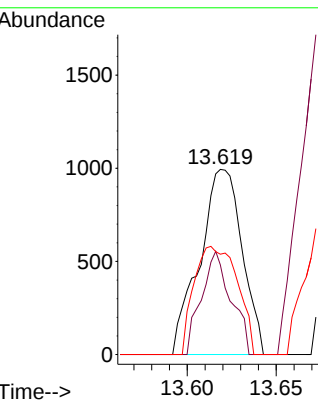
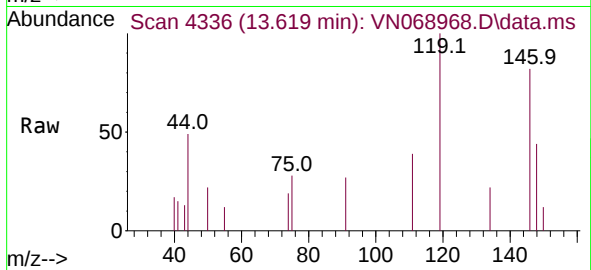
Tgt Ion:146 Resp: 1652

Ion Ratio Lower Upper

146 100

111 38.8 21.4 64.2

148 59.4 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 0.249 ug/l

RT: 13.619 min Scan# 4336

Delta R.T. -0.078 min

Lab File: VN068968.D

Acq: 18 Oct 2021 10:31

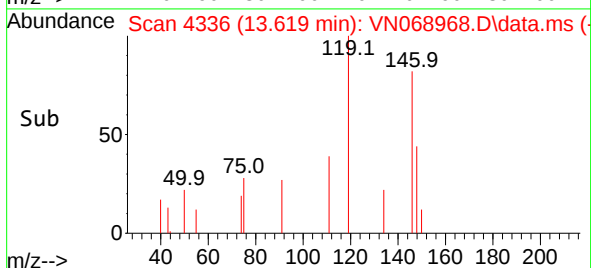
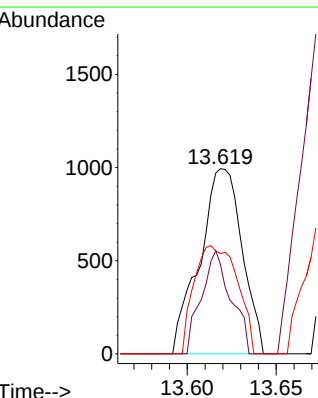
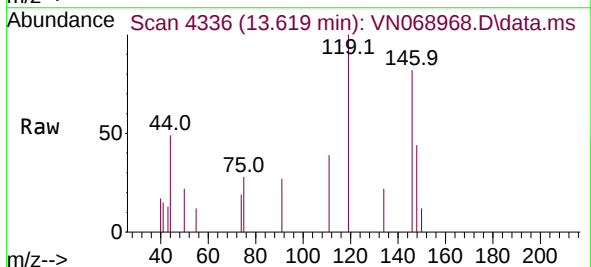
Tgt Ion:146 Resp: 1652

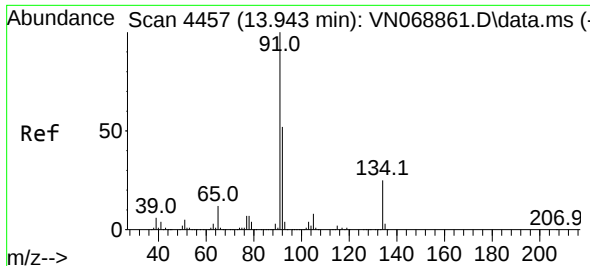
Ion Ratio Lower Upper

146 100

111 38.8 20.6 61.8

148 59.4 32.1 96.5

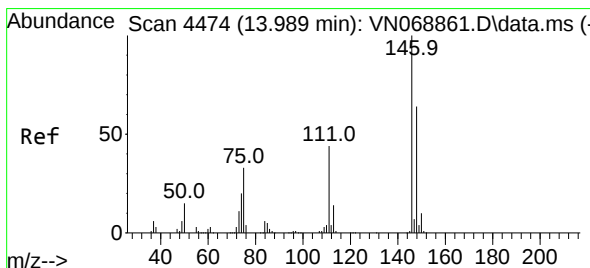
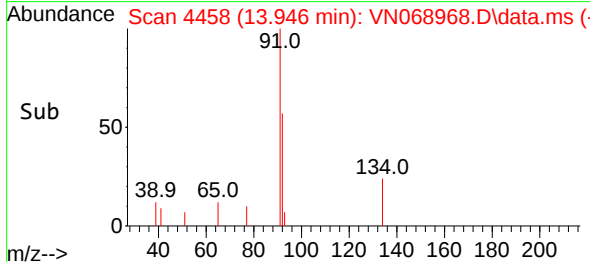
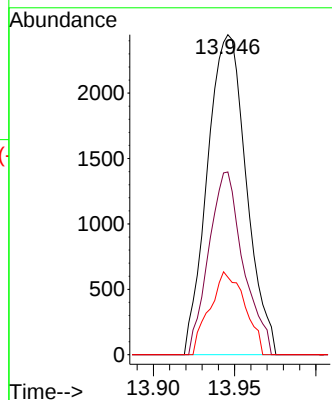
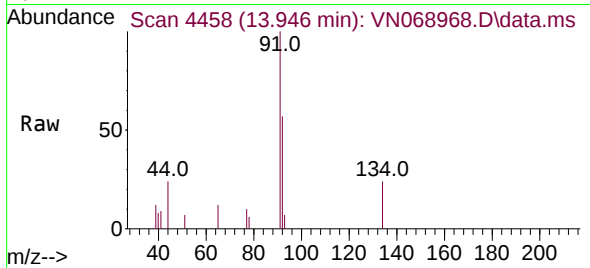




#89
n-Butylbenzene
Concen: 0.348 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

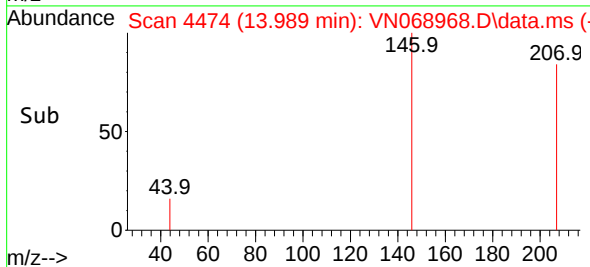
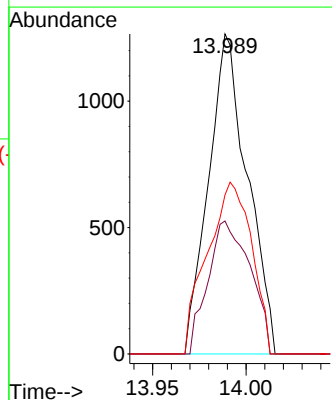
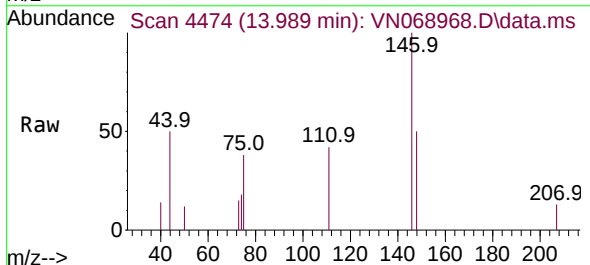
Instrument :
MSVOA_N
ClientSampled :

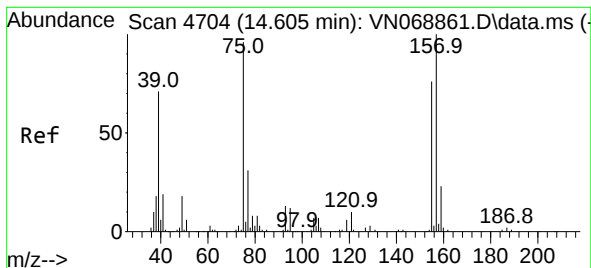
Tgt Ion: 91 Resp: 4078
Ion Ratio Lower Upper
91 100
92 50.7 26.0 78.0
134 23.3 12.5 37.5



#91
1,2-Dichlorobenzene
Concen: 0.281 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.000 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

Tgt Ion: 146 Resp: 1830
Ion Ratio Lower Upper
146 100
111 45.1 22.0 66.0
148 61.4 32.1 96.5

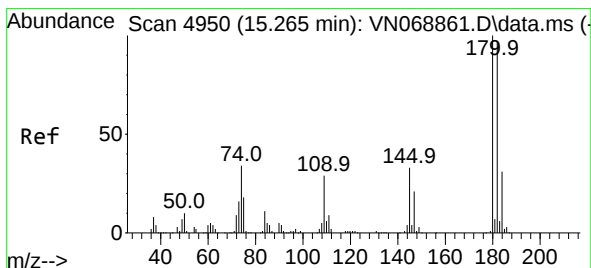
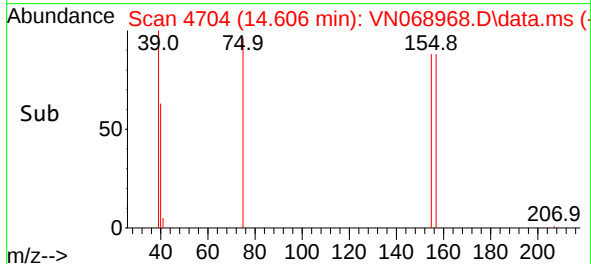
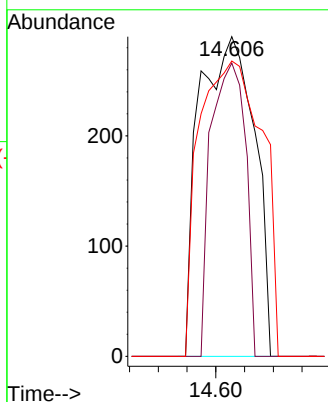
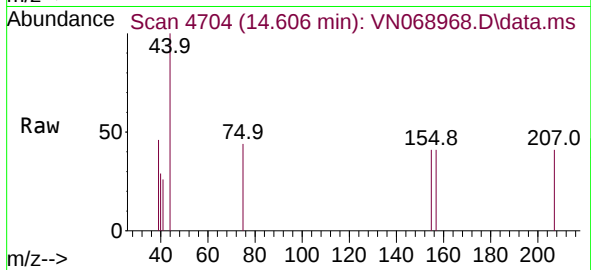




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.395 ug/l
RT: 14.606 min Scan# 4704
Delta R.T. 0.000 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

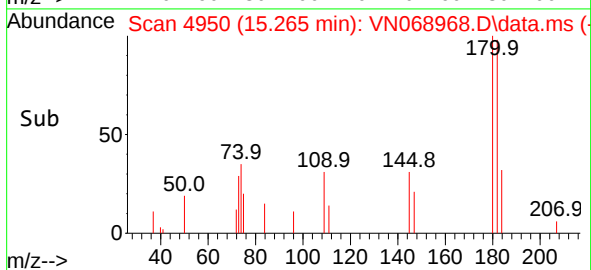
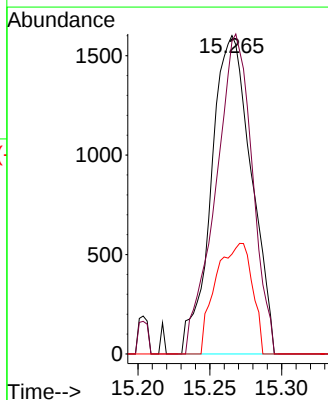
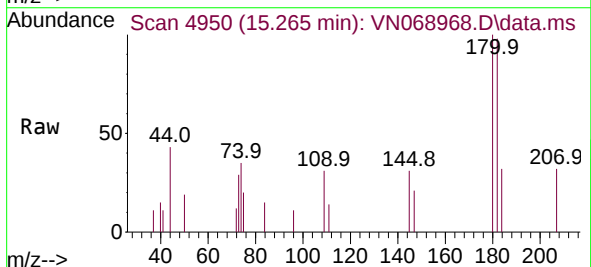
Instrument :
MSVOA_N
ClientSampled :

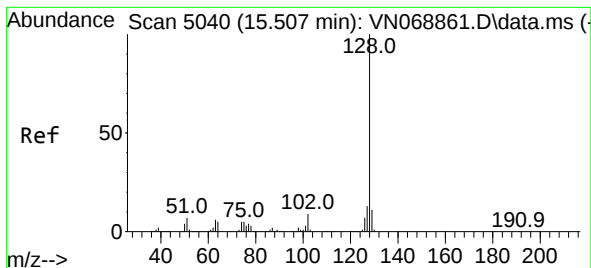
Tgt Ion: 75 Resp: 385
Ion Ratio Lower Upper
75 100
155 57.4 38.8 116.4
157 105.5 50.2 150.6



#93
1,2,4-Trichlorobenzene
Concen: 3.434 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

Tgt Ion: 180 Resp: 3099
Ion Ratio Lower Upper
180 100
182 92.3 47.9 143.7
145 31.6 16.4 49.2

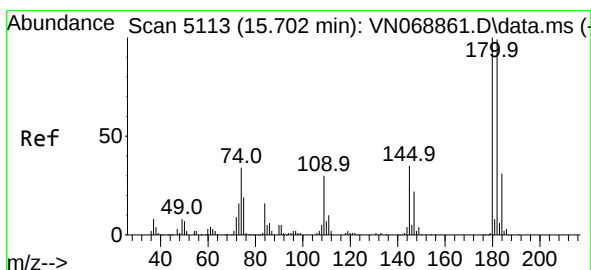
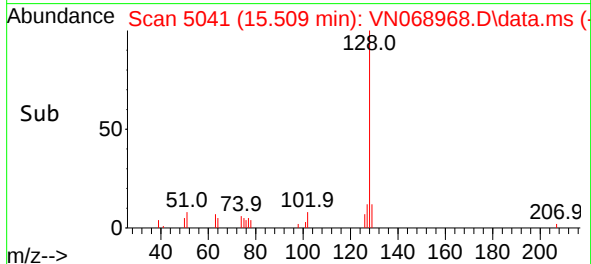
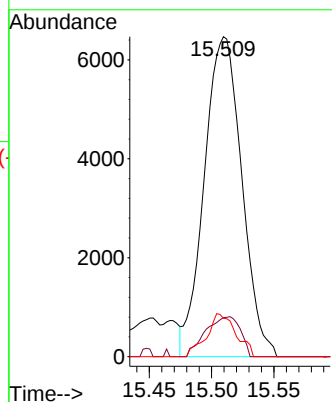
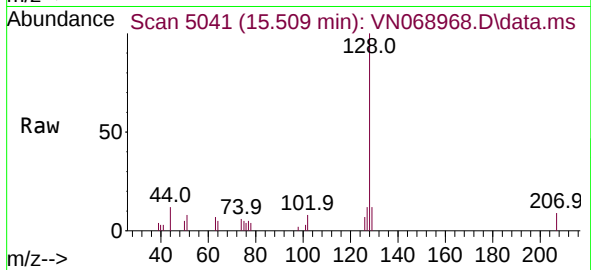




#95
Naphthalene
Concen: 5.095 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 13553
Ion Ratio Lower Upper
128 100
127 11.6 10.5 15.7
129 10.5 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 3.609 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN068968.D
Acq: 18 Oct 2021 10:31

Tgt Ion:180 Resp: 3874
Ion Ratio Lower Upper
180 100
182 93.0 48.1 144.3
145 32.0 17.4 52.2

