

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070221\
 Data File : VN067618.D
 Acq On : 2 Jul 2021 15:50
 Operator : JC/MD
 Sample : M2886-03ME
 Misc : 5.82g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 26878ME

Quant Time: Jul 05 05:01:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 12:55:54 2021
 Response via : Initial Calibration

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

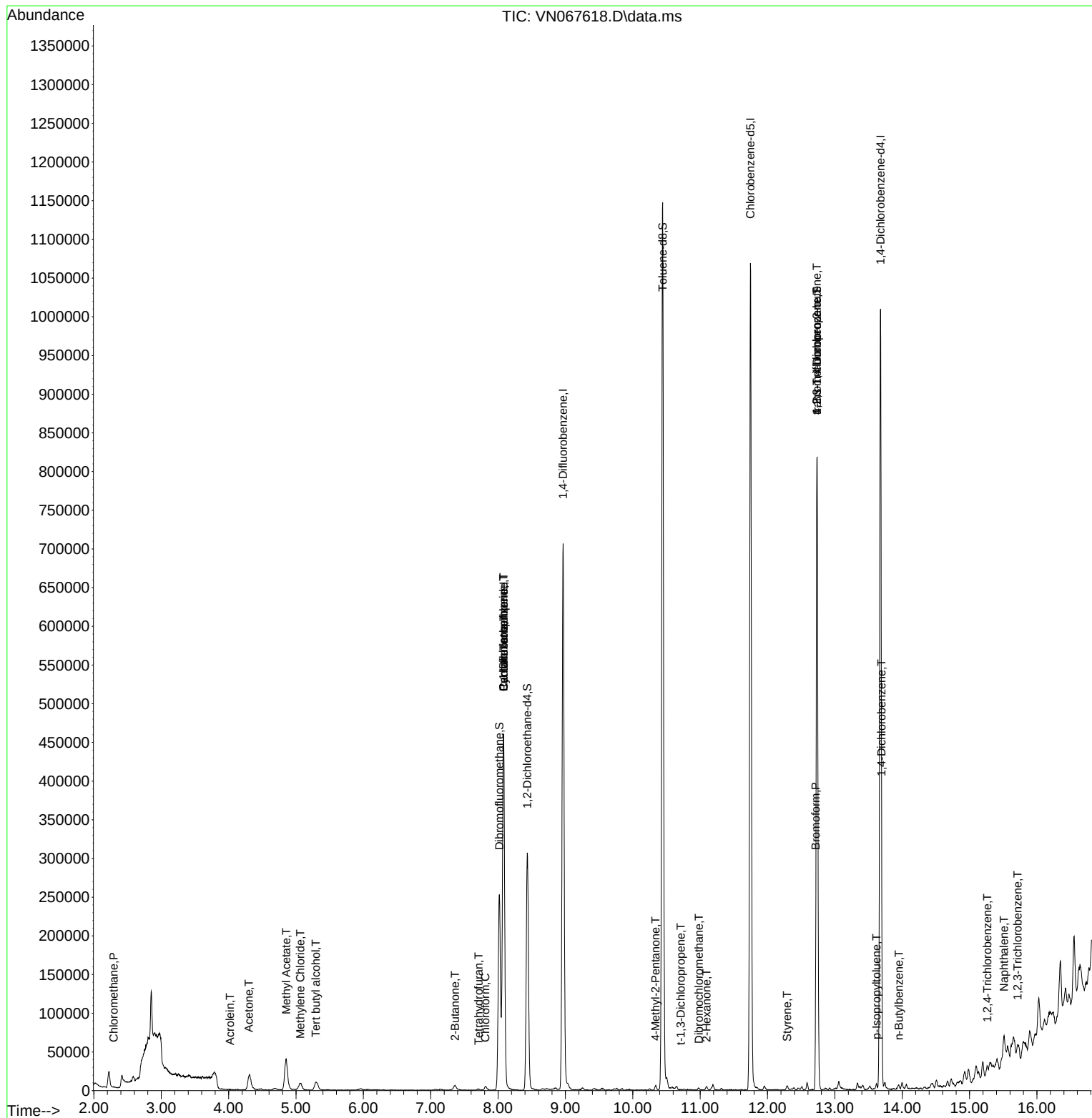
Internal Standards						
1) Pentafluorobenzene	8.083	168	334485	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.965	114	621633	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	601706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	251258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	253887	50.725	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.440%			
35) Dibromofluoromethane	8.019	113	179939	46.800	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 93.600%			
50) Toluene-d8	10.443	98	801625	49.399	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.800%			
62) 4-Bromofluorobenzene	12.733	95	276445	47.754	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 95.500%			
Target Compounds						Qvalue
3) Chloromethane	2.293	50	997	0.217	ug/l	97
11) Tert butyl alcohol	5.294	59	10266	14.959	ug/l #	72
13) Acrolein	4.020	56	248	0.437	ug/l #	78
16) Acetone	4.299	43	27439	17.292	ug/l	97
18) Methyl Acetate	4.854	43	82539	20.416	ug/l	98
20) Methylene Chloride	5.063	84	6919	1.749	ug/l	88
25) 2-Butanone	7.359	43	9370	3.660	ug/l	94
29) Tetrahydrofuran	7.713	42	731	0.429	ug/l #	38
30) Chloroform	7.809	83	4685	0.608	ug/l	93
31) Cyclohexane	8.083	56	9457	1.366	ug/l #	36
36) 1,1-Dichloropropene	8.080	75	30938	5.277	ug/l #	47
38) Carbon Tetrachloride	8.083	117	37274	6.308	ug/l #	17
51) 4-Methyl-2-Pentanone	10.338	43	4323	0.721	ug/l	90
53) t-1,3-Dichloropropene	10.711	75	137	1.737	ug/l #	43
59) 2-Hexanone	11.095	43	3511	0.835	ug/l	93
60) Dibromochloromethane	10.982	129	524	2.142	ug/l #	11
70) Styrene	12.291	104	2322	1.490	ug/l #	83
71) Bromoform	12.717	173	100	3.378	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	156073	31.059	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	156073	93.656	ug/l #	6
86) p-Isopropyltoluene	13.618	119	3323	0.211	ug/l	90
88) 1,4-Dichlorobenzene	13.694	146	1739	0.206	ug/l #	39
89) n-Butylbenzene	13.951	91	4220	0.322	ug/l #	68
93) 1,2,4-Trichlorobenzene	15.265	180	2437	0.696	ug/l #	63
95) Naphthalene	15.512	128	33639	7.077	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.713	180	2195	0.678	ug/l #	28

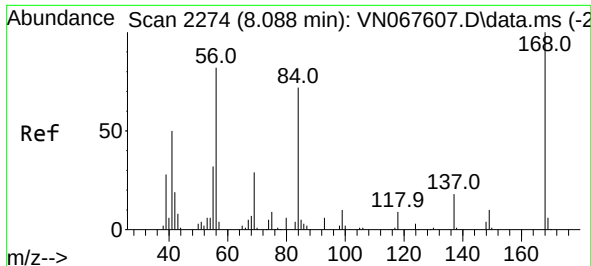
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

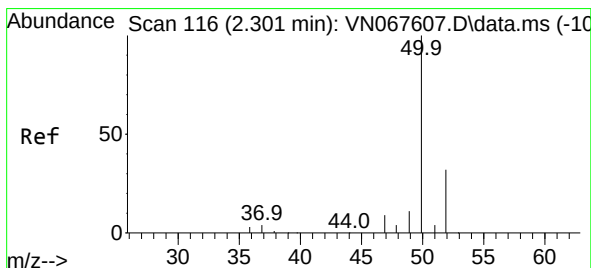
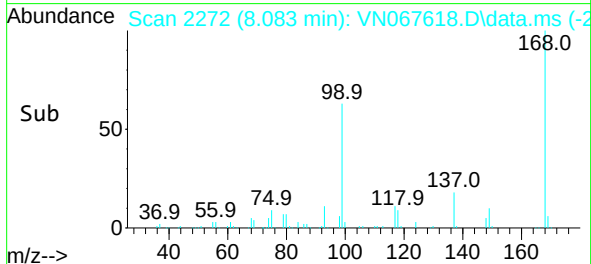
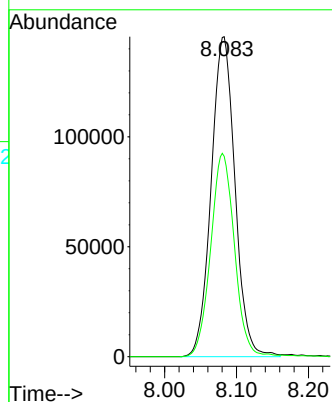
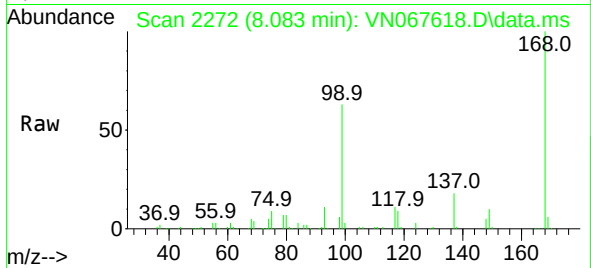




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.005 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

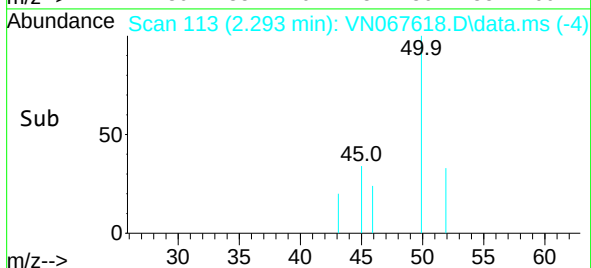
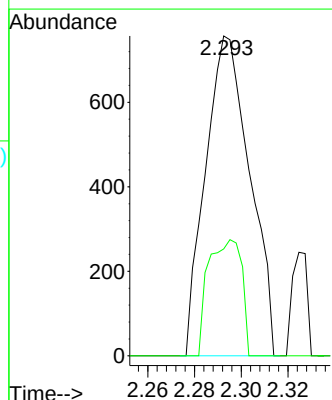
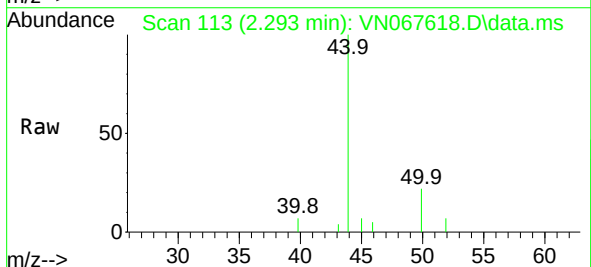
Instrument :
MSVOA_N
ClientSampleId :
26878ME

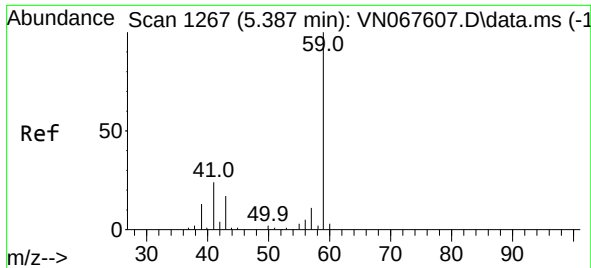
Tgt Ion:168 Resp: 334485
Ion Ratio Lower Upper
168 100
99 62.6 62.9 94.3#



#3
Chloromethane
Concen: 0.217 ug/l
RT: 2.293 min Scan# 113
Delta R.T. -0.009 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

Tgt Ion: 50 Resp: 997
Ion Ratio Lower Upper
50 100
52 33.4 25.6 38.4

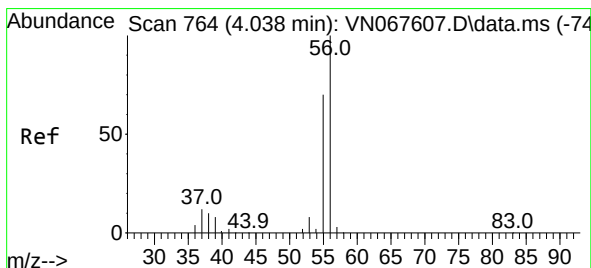
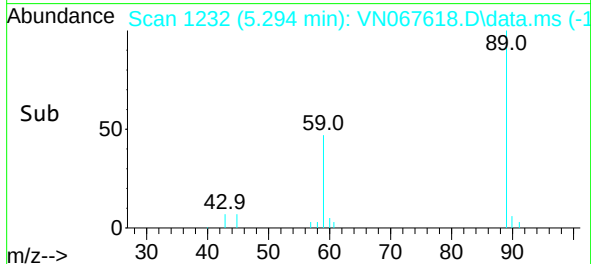
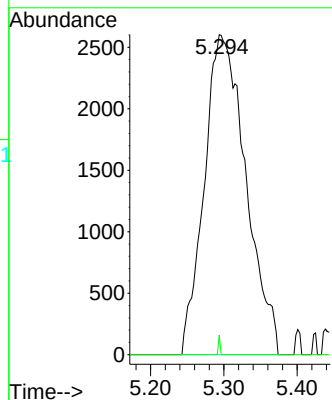
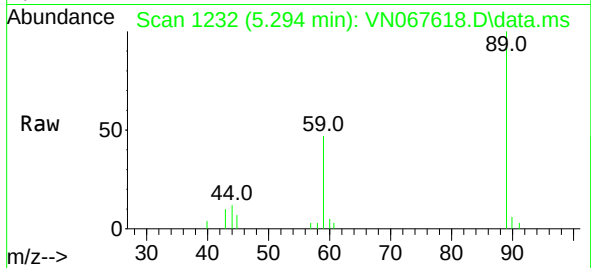




#11
Tert butyl alcohol
Concen: 14.959 ug/l
RT: 5.294 min Scan# 1232
Delta R.T. -0.093 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

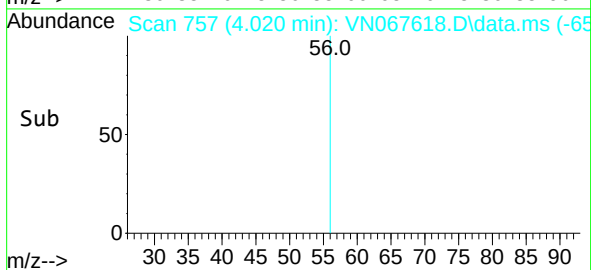
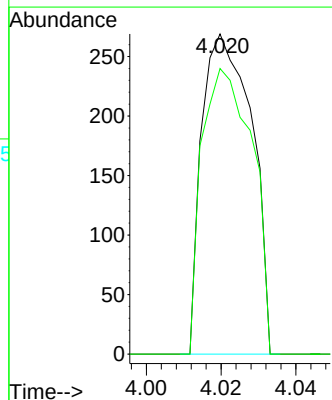
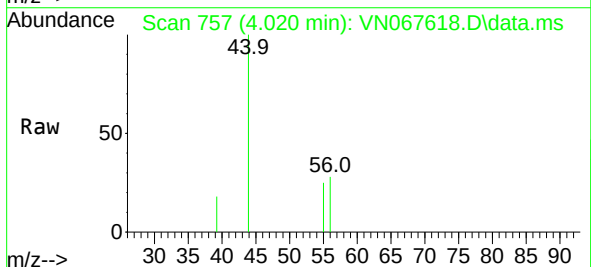
Instrument :
MSVOA_N
ClientSampled :
26878ME

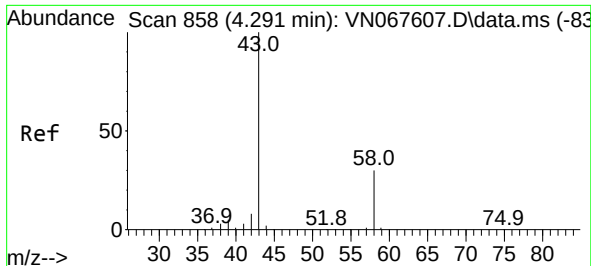
Tgt Ion: 59 Resp: 10266
Ion Ratio Lower Upper
59 100
57 0.3 8.7 13.1#



#13
Acrolein
Concen: 0.437 ug/l
RT: 4.020 min Scan# 757
Delta R.T. -0.018 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

Tgt Ion: 56 Resp: 248
Ion Ratio Lower Upper
56 100
55 90.3 57.4 86.0#

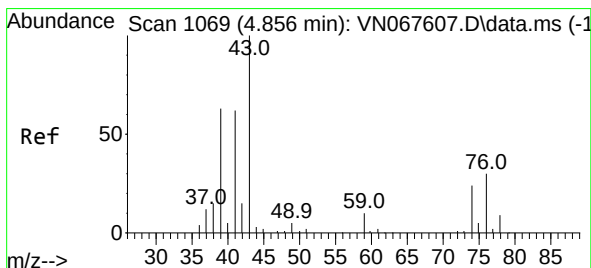
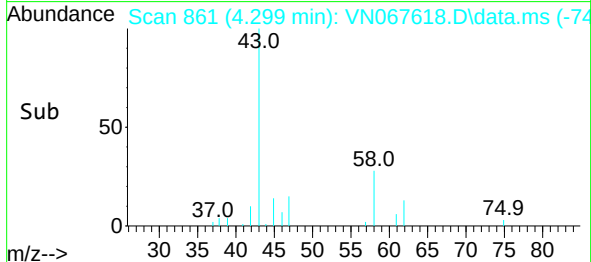
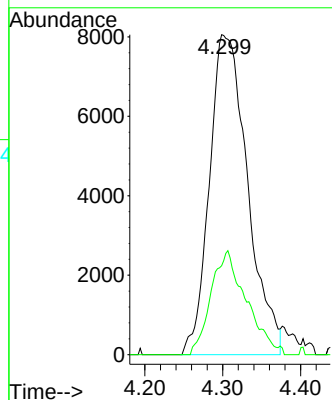
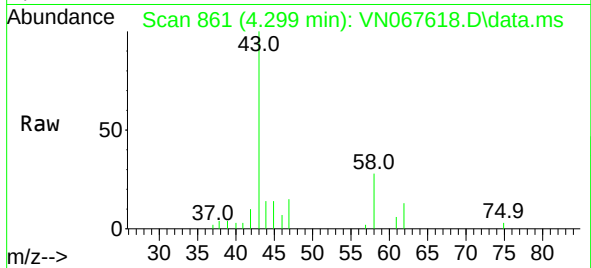




#16
Acetone
Concen: 17.292 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

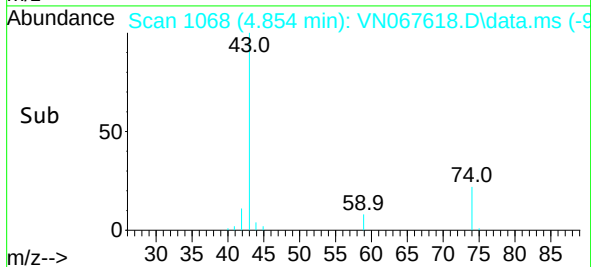
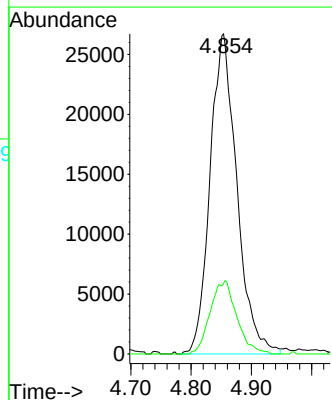
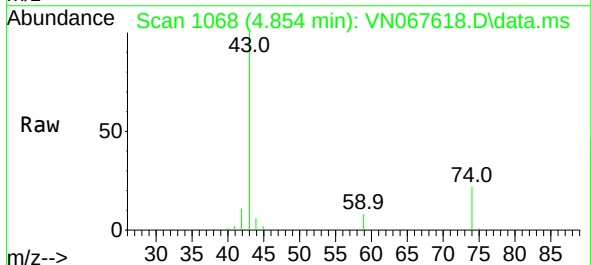
Instrument :
MSVOA_N
ClientSampleId :
26878ME

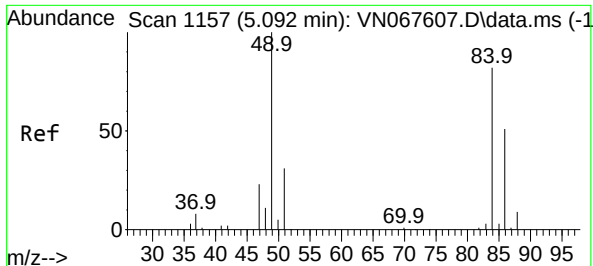
Tgt Ion: 43 Resp: 27439
Ion Ratio Lower Upper
43 100
58 27.8 21.2 31.8



#18
Methyl Acetate
Concen: 20.416 ug/l
RT: 4.854 min Scan# 1068
Delta R.T. -0.002 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

Tgt Ion: 43 Resp: 82539
Ion Ratio Lower Upper
43 100
74 22.6 17.4 26.0



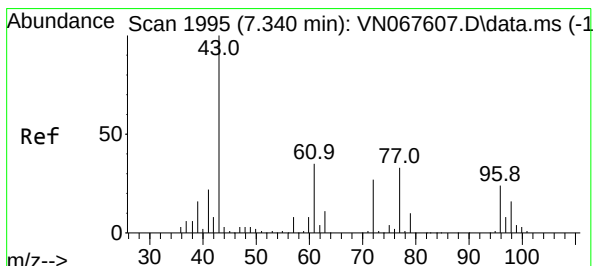
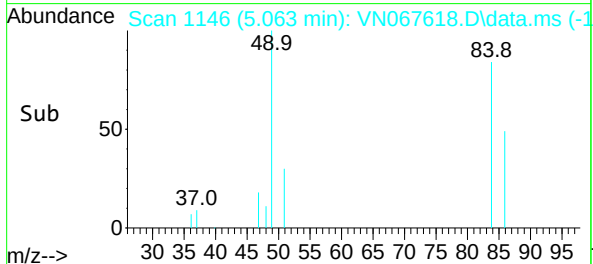
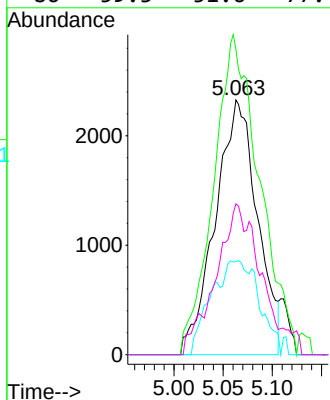
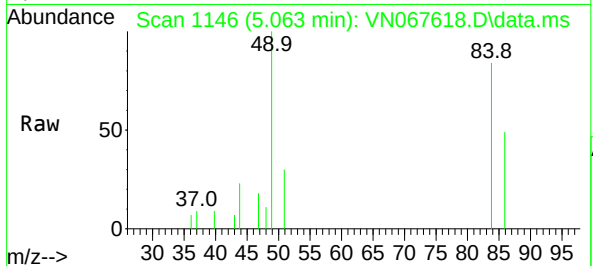


#20
Methylene Chloride
Concen: 1.749 ug/l
RT: 5.063 min Scan# 1146
Delta R.T. -0.029 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

Instrument :
MSVOA_N
ClientSampleId :
26878ME

Tgt Ion: 84 Resp: 6919

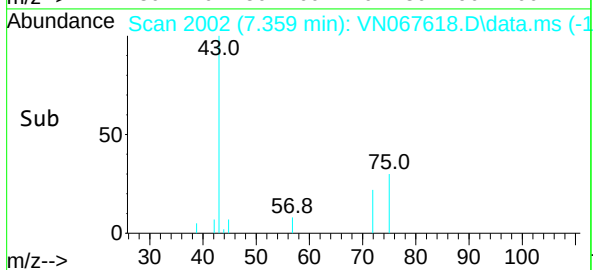
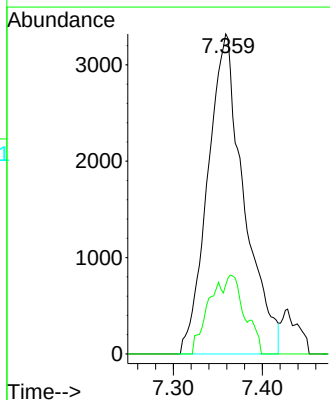
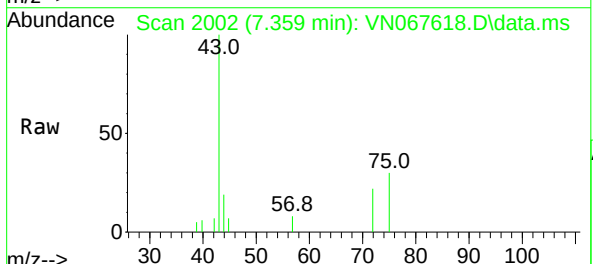
Ion	Ratio	Lower	Upper
84	100		
49	119.7	110.9	166.3
51	36.5	32.6	49.0
86	59.3	51.6	77.4

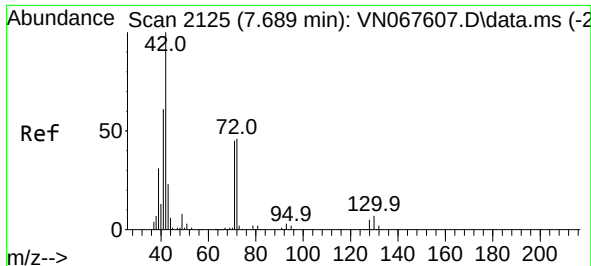


#25
2-Butanone
Concen: 3.660 ug/l
RT: 7.359 min Scan# 2002
Delta R.T. 0.019 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

Tgt Ion: 43 Resp: 9370

Ion	Ratio	Lower	Upper
43	100		
72	21.6	19.7	29.5





#29

Tetrahydrofuran

Concen: 0.429 ug/l

RT: 7.713 min Scan# 2134

Delta R.T. 0.024 min

Lab File: VN067618.D

Acq: 2 Jul 2021 15:50

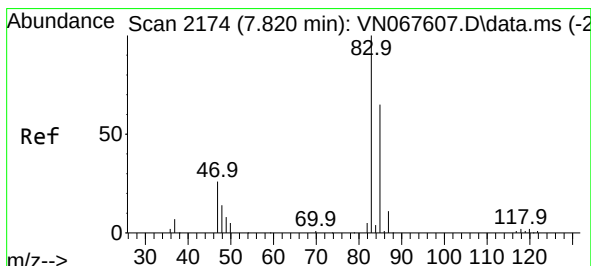
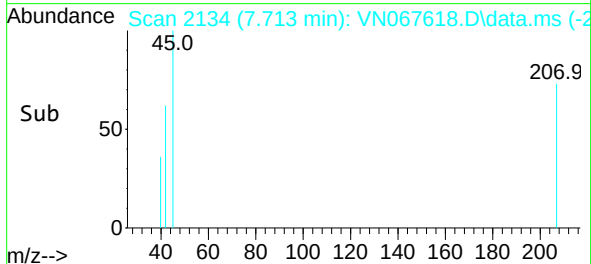
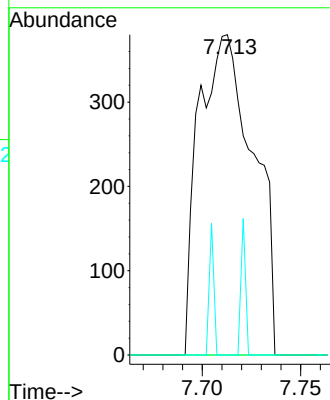
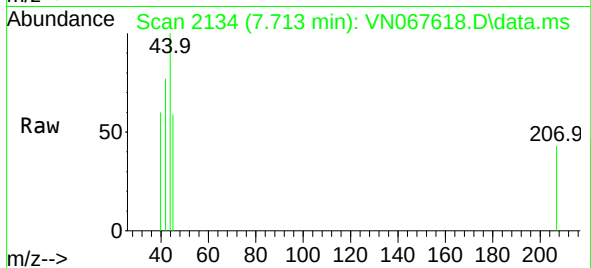
Instrument :

MSVOA_N

ClientSampleId :

26878ME

Tgt Ion:	42	Resp:	731
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.8	49.2#
71	3.6	31.2	46.8#



#30

Chloroform

Concen: 0.608 ug/l

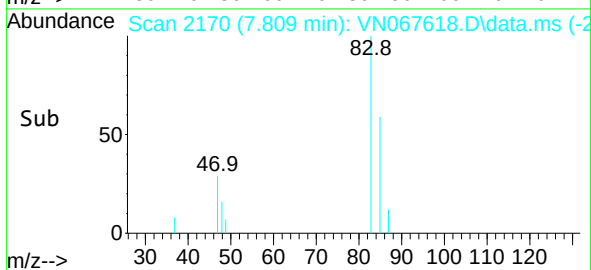
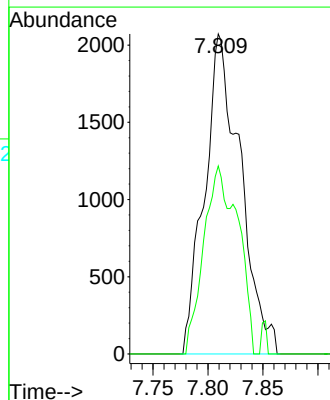
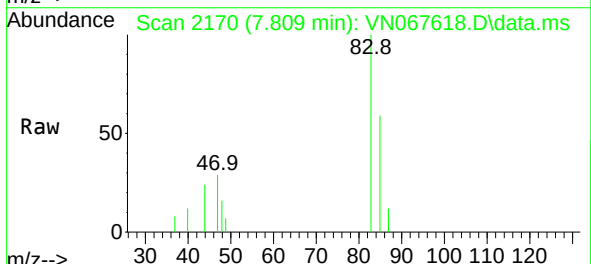
RT: 7.809 min Scan# 2170

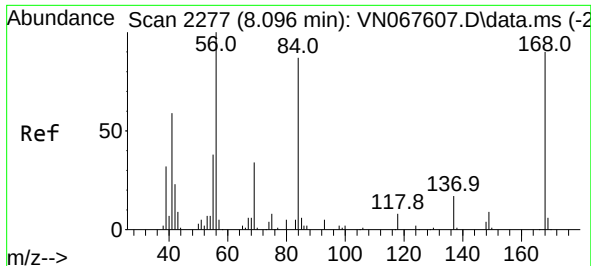
Delta R.T. -0.011 min

Lab File: VN067618.D

Acq: 2 Jul 2021 15:50

Tgt Ion:	83	Resp:	4685
Ion	Ratio	Lower	Upper
83	100		
85	58.7	51.5	77.3

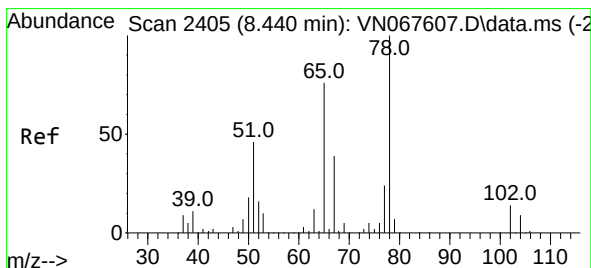
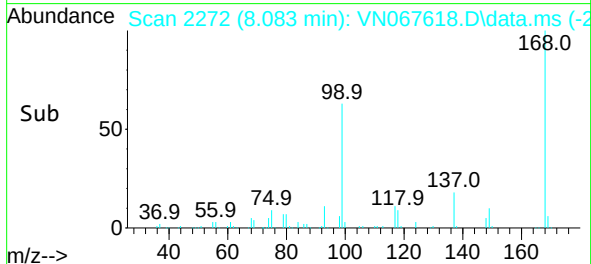
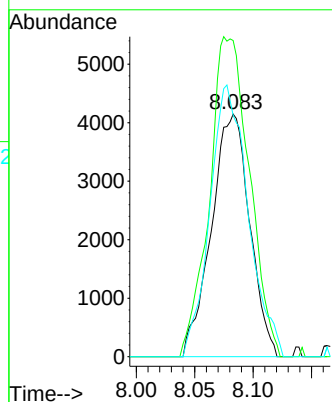
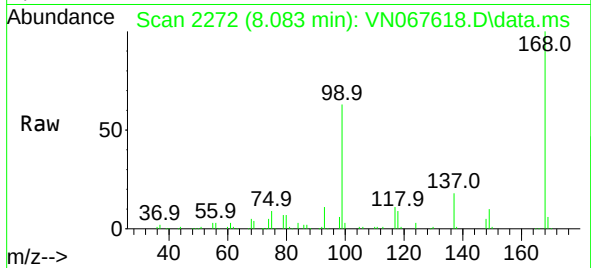




#31
Cyclohexane
Concen: 1.366 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.013 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

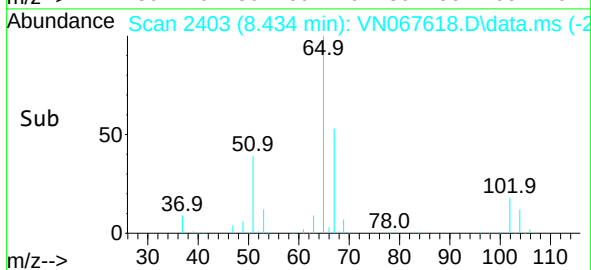
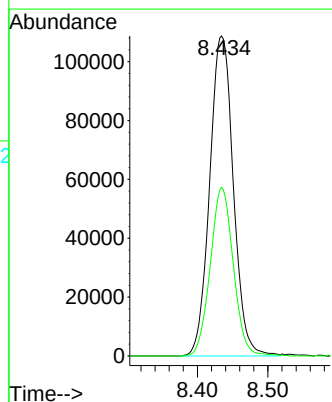
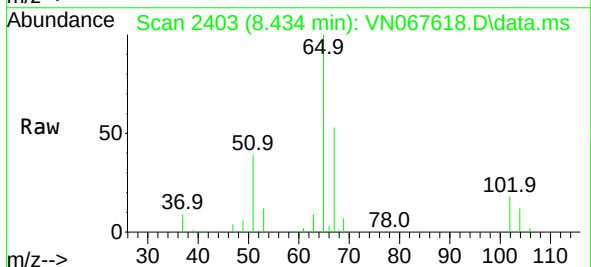
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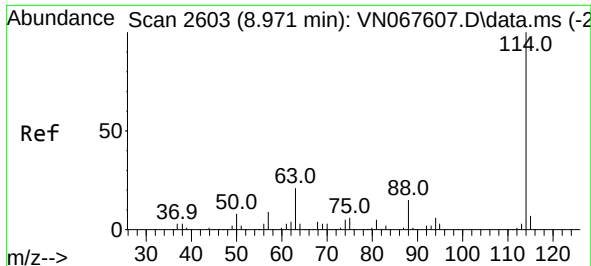
Tgt Ion: 56 Resp: 9457
Ion Ratio Lower Upper
56 100
69 130.3 27.3 40.9#
84 99.5 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 50.725 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.006 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

Tgt Ion: 65 Resp: 253887
Ion Ratio Lower Upper
65 100
67 51.2 0.0 98.6

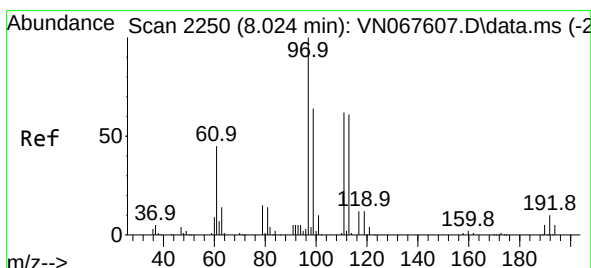
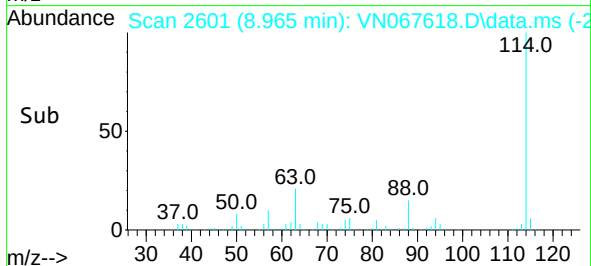
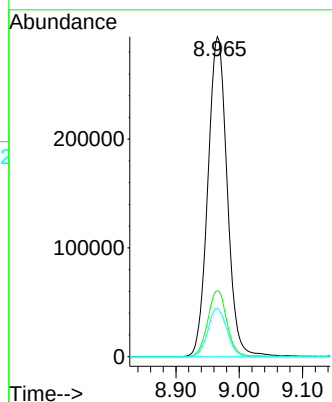
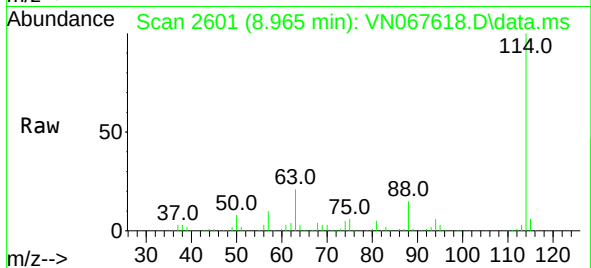




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.006 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

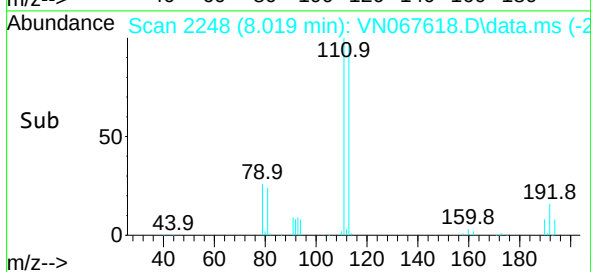
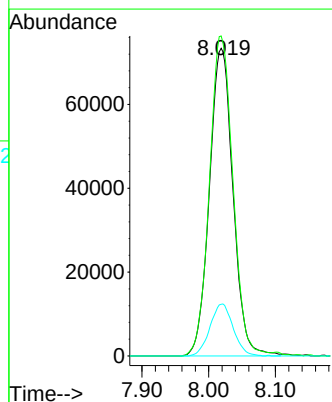
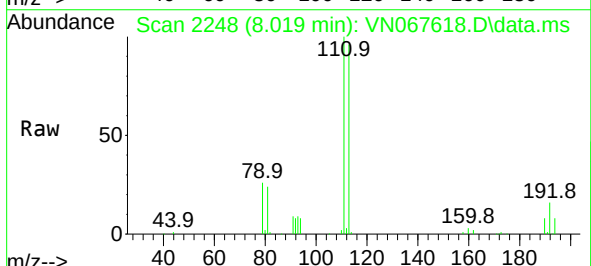
Instrument :
MSVOA_N
ClientSampleId :
26878ME

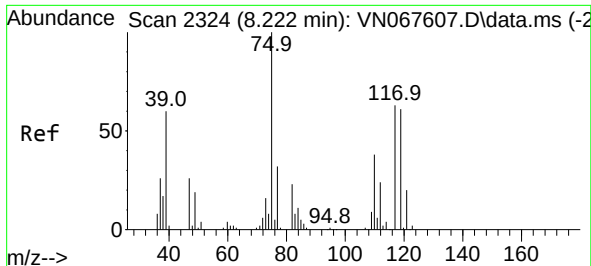
Tgt Ion:114 Resp: 621633
Ion Ratio Lower Upper
114 100
63 20.6 0.0 49.0
88 15.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.800 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. -0.005 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

Tgt Ion:113 Resp: 179939
Ion Ratio Lower Upper
113 100
111 103.7 83.8 125.8
192 16.7 13.4 20.0

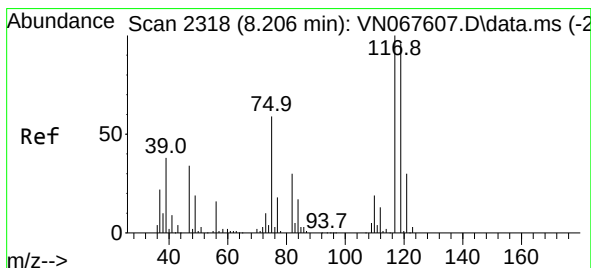
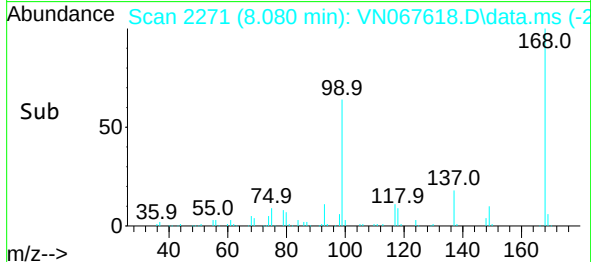
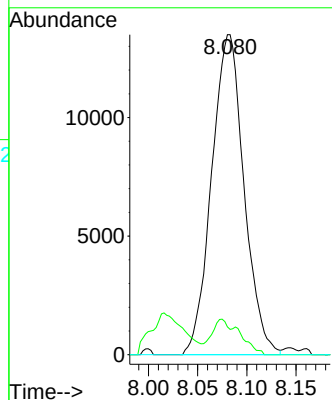
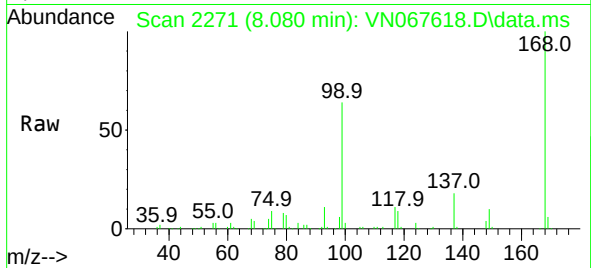




#36
1,1-Dichloropropene
Concen: 5.277 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.142 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

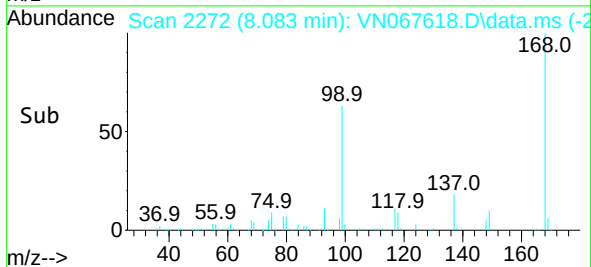
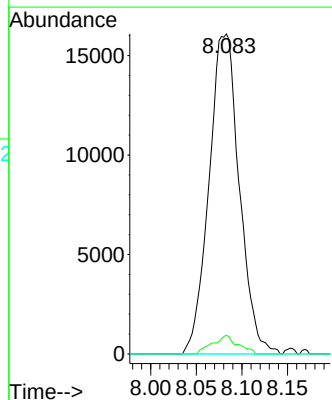
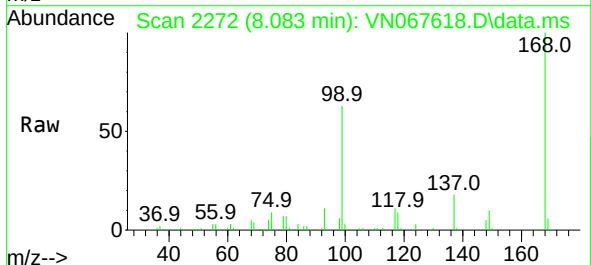
Instrument :
MSVOA_N
ClientSampled :
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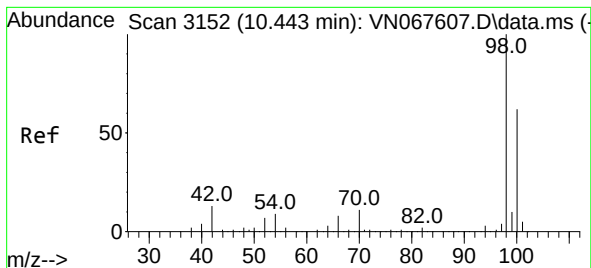
Tgt Ion: 75 Resp: 30938
Ion Ratio Lower Upper
75 100
110 3.4 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.308 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.123 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

Tgt Ion: 117 Resp: 37274
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.2#
121 0.0 23.5 35.3#

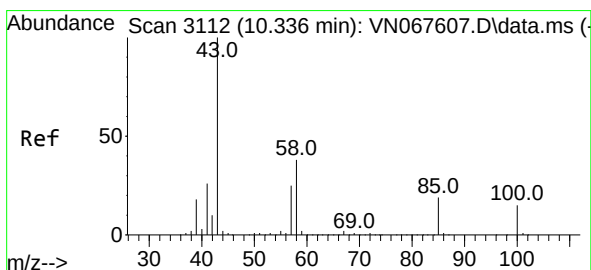
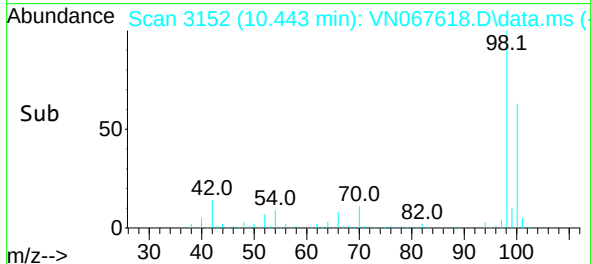
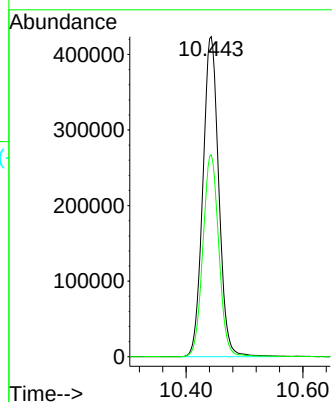
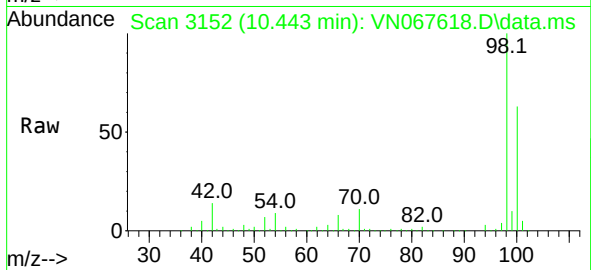




#50
Toluene-d8
Concen: 49.399 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

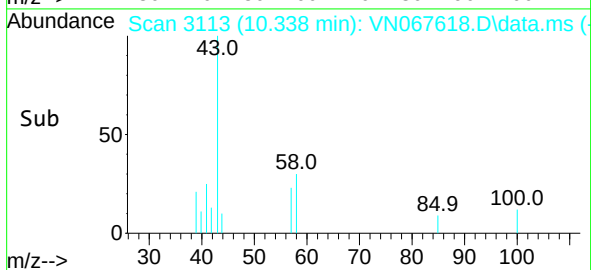
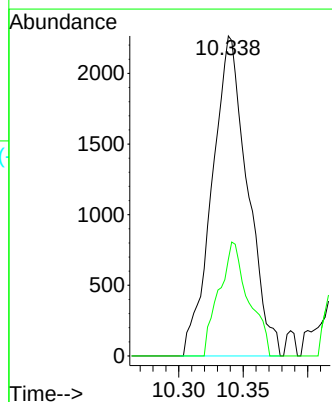
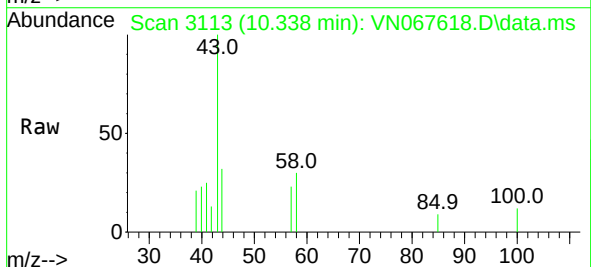
Instrument :
MSVOA_N
ClientSampleId :
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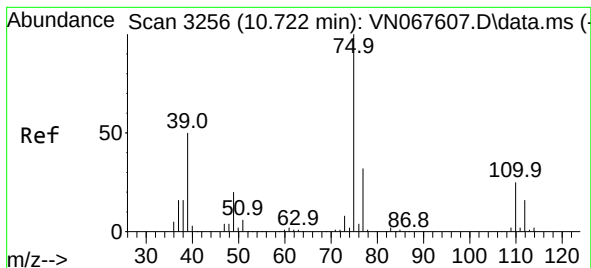
Tgt Ion: 98 Resp: 801625
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.721 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.002 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

Tgt Ion: 43 Resp: 4323
Ion Ratio Lower Upper
43 100
58 29.7 28.6 43.0

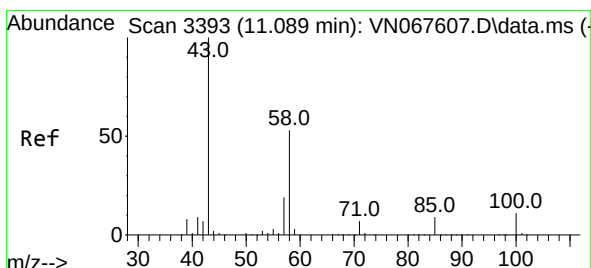
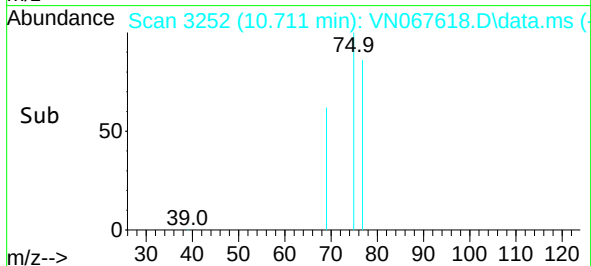
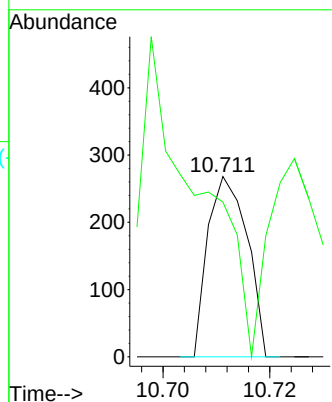
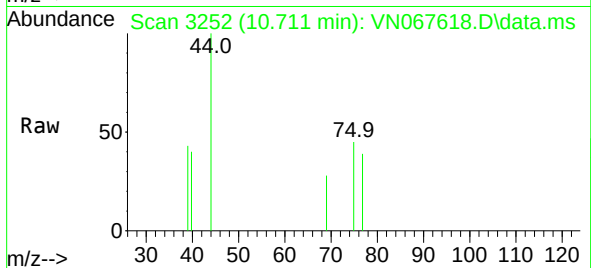




#53
t-1,3-Dichloropropene
Concen: 1.737 ug/l
RT: 10.711 min Scan# 3252
Delta R.T. -0.011 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

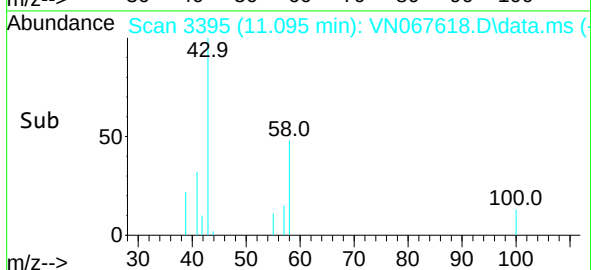
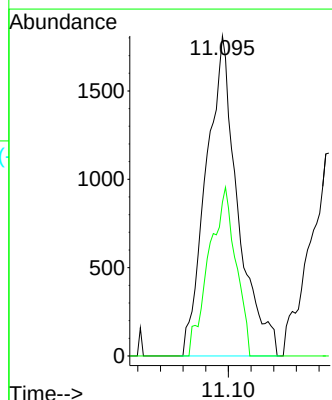
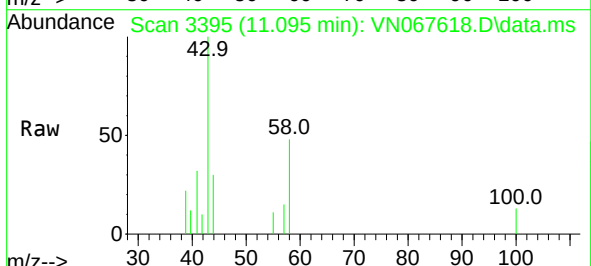
Instrument :
MSVOA_N
ClientSampled :
26878ME

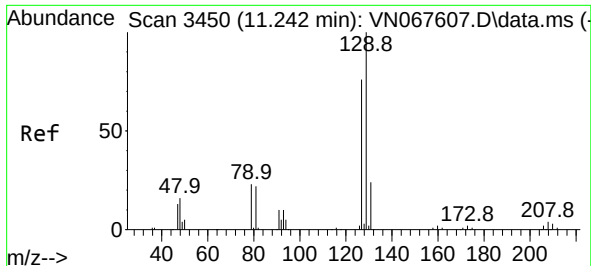
Tgt Ion: 75 Resp: 137
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#



#59
2-Hexanone
Concen: 0.835 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.006 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

Tgt Ion: 43 Resp: 3511
Ion Ratio Lower Upper
43 100
58 44.6 24.7 74.1

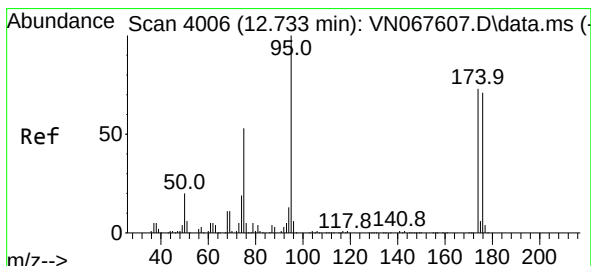
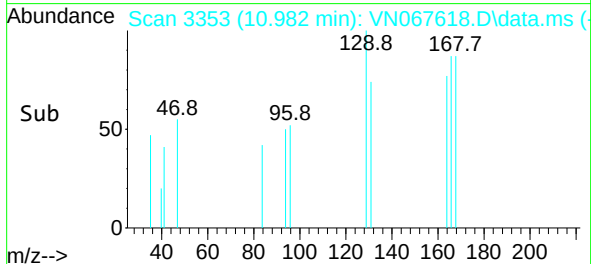
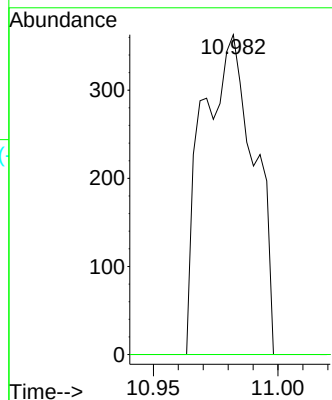
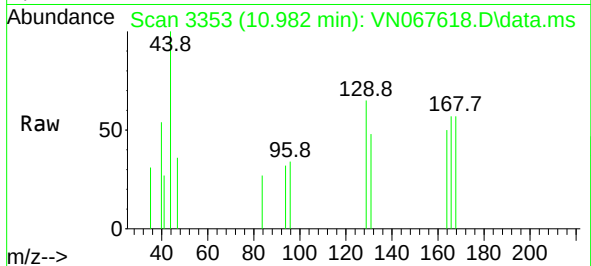




#60
Dibromochloromethane
Concen: 2.142 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.260 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

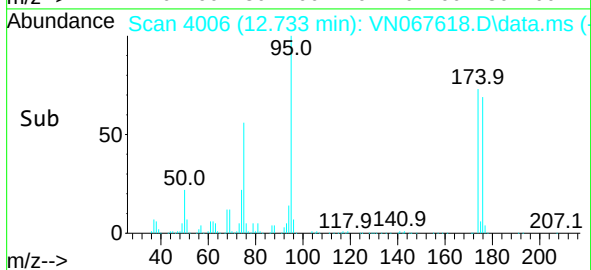
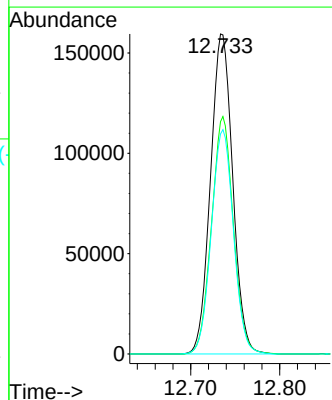
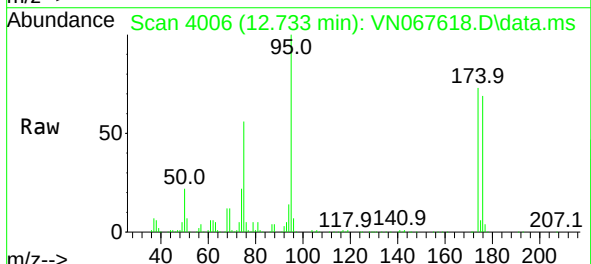
Instrument :
MSVOA_N
ClientSampleId :
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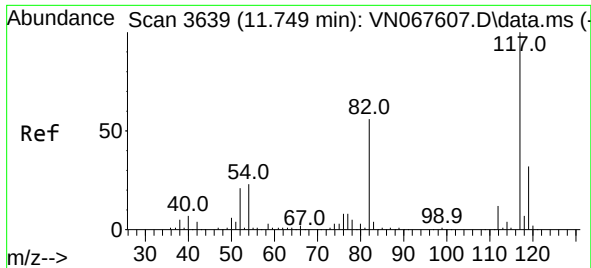
Tgt Ion:129 Resp: 524
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 47.754 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

Tgt Ion: 95 Resp: 276445
Ion Ratio Lower Upper
95 100
174 73.1 0.0 122.0
176 69.8 0.0 117.6

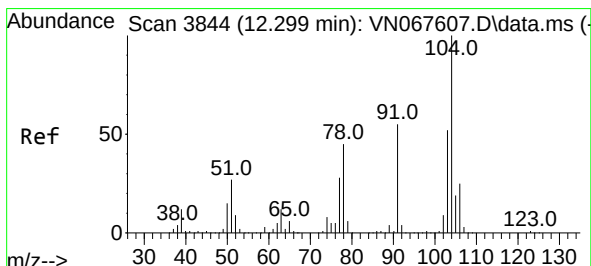
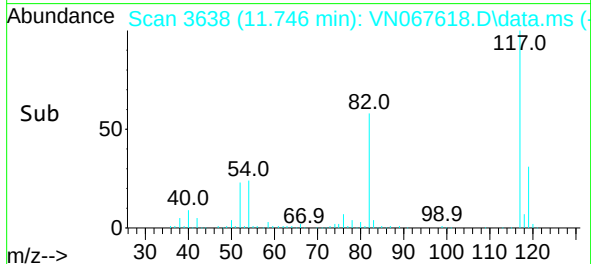
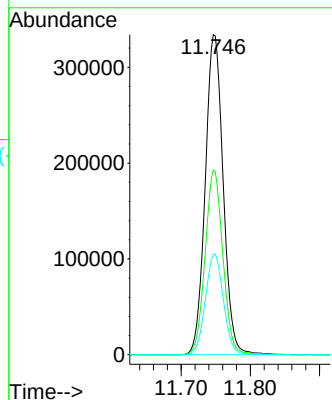
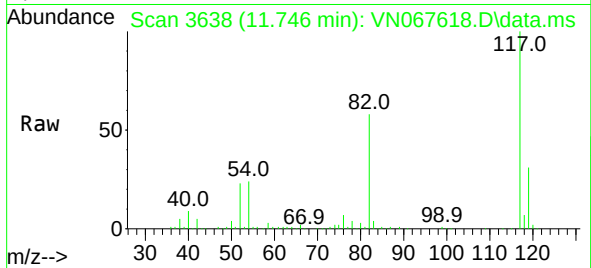




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.003 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

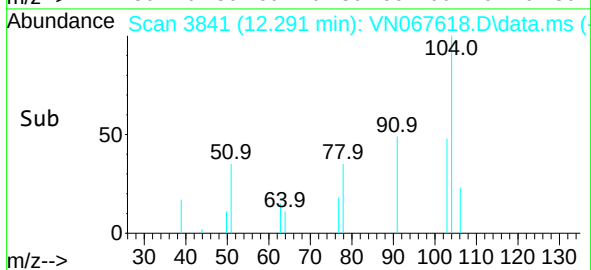
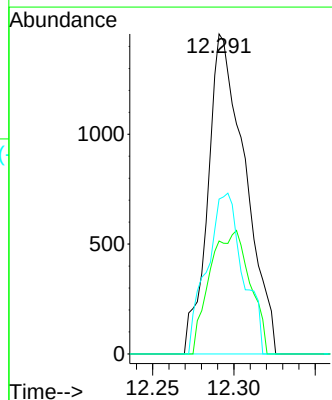
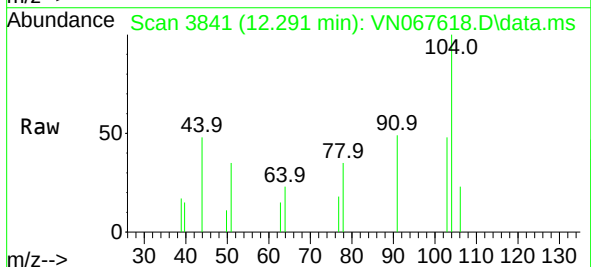
Instrument :
MSVOA_N
ClientSampleId :
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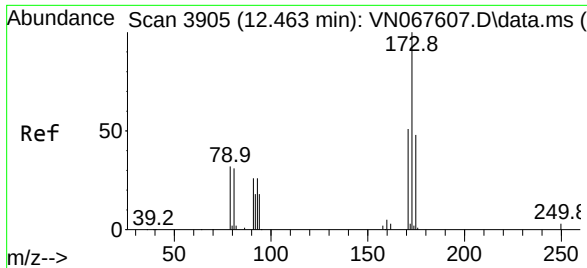
Tgt Ion:117 Resp: 601706
Ion Ratio Lower Upper
117 100
82 57.7 53.1 79.7
119 31.4 25.5 38.3



#70
Styrene
Concen: 1.490 ug/l
RT: 12.291 min Scan# 3841
Delta R.T. -0.008 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

Tgt Ion:104 Resp: 2322
Ion Ratio Lower Upper
104 100
78 41.6 48.2 72.2#
103 48.6 44.5 66.7

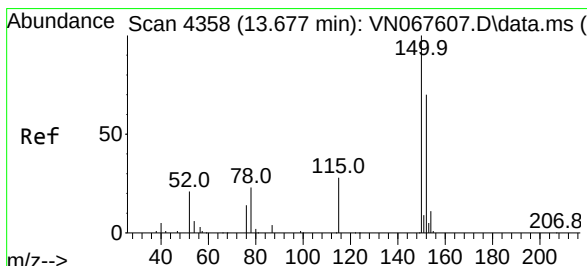
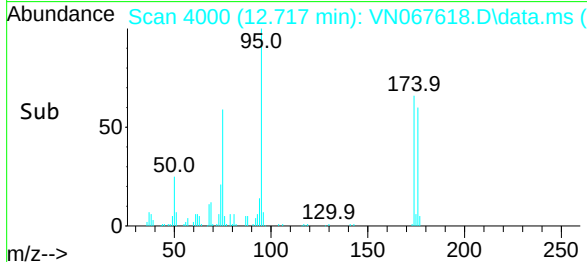
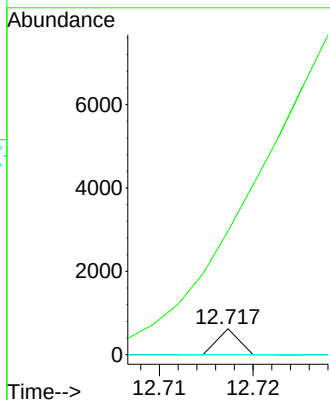
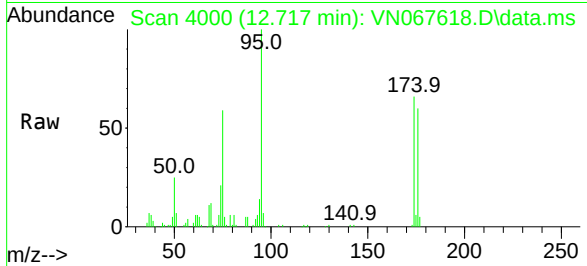




#71
Bromoform
Concen: 3.378 ug/l
RT: 12.717 min Scan# 4000
Delta R.T. 0.254 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

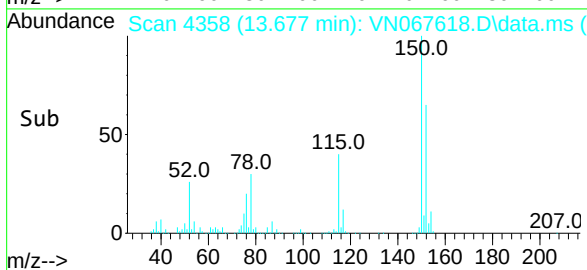
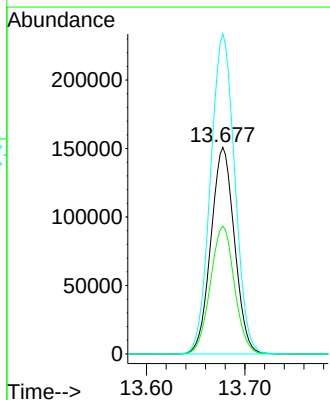
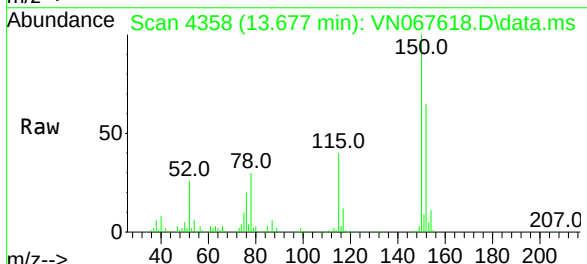
Instrument :
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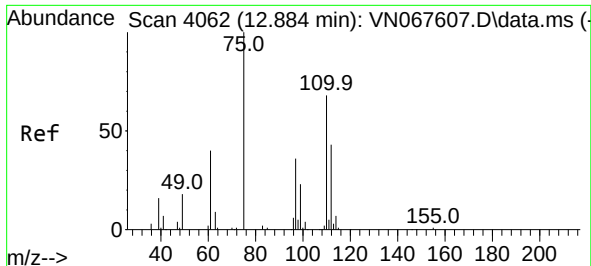
Tgt Ion:173 Resp: 100
Ion Ratio Lower Upper
173 100
175 15066.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

Tgt Ion:152 Resp: 251258
Ion Ratio Lower Upper
152 100
115 63.2 36.1 108.5
150 159.4 0.0 351.8

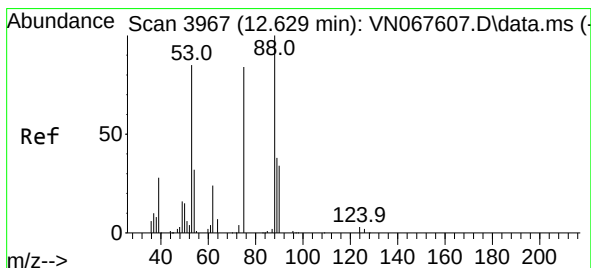
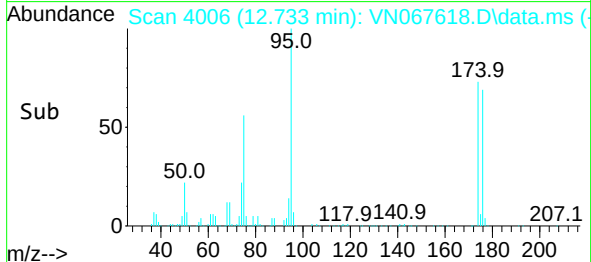
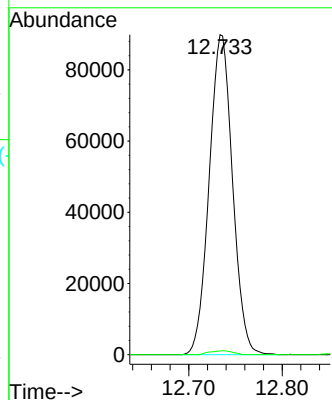
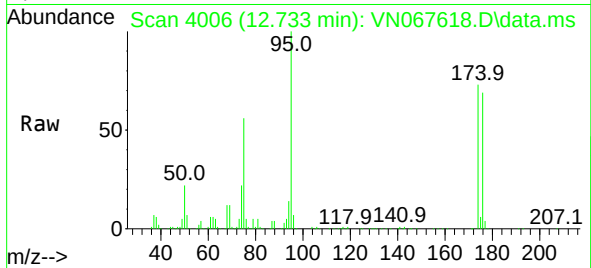




#76
1,2,3-Trichloropropane
Concen: 31.059 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

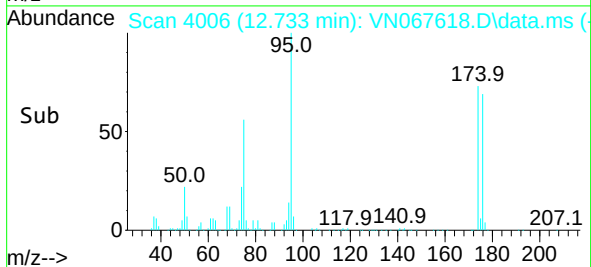
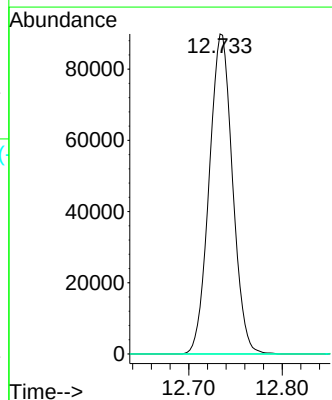
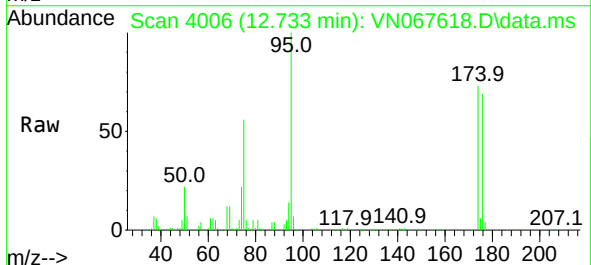
Instrument :
MSVOA_N
ClientSampled :
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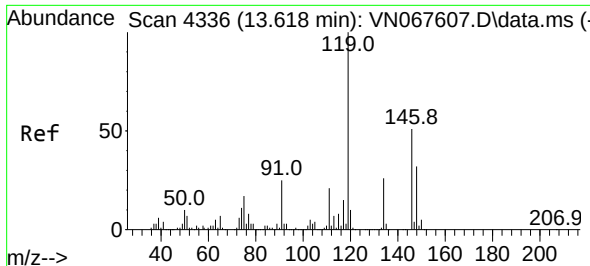
Tgt Ion: 75 Resp: 156073
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.656 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

Tgt Ion: 75 Resp: 156073
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

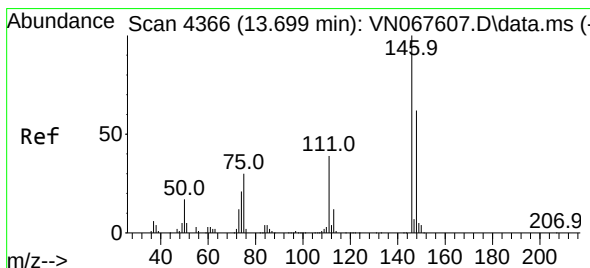
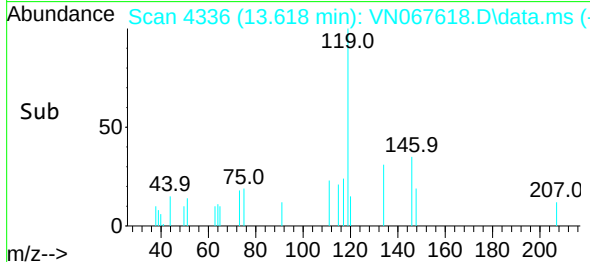
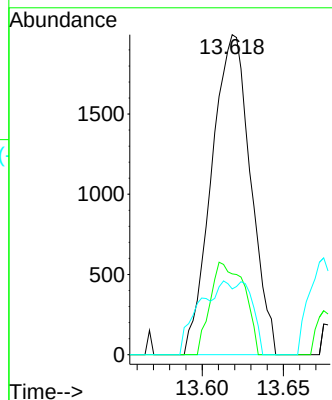
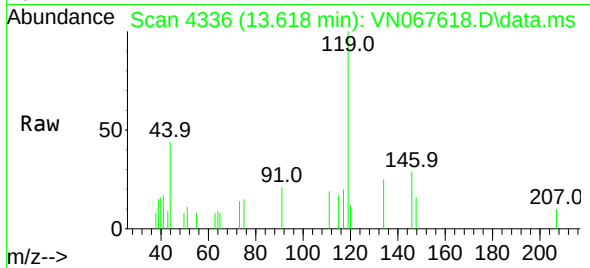




#86
p-Isopropyltoluene
Concen: 0.211 ug/l
RT: 13.618 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

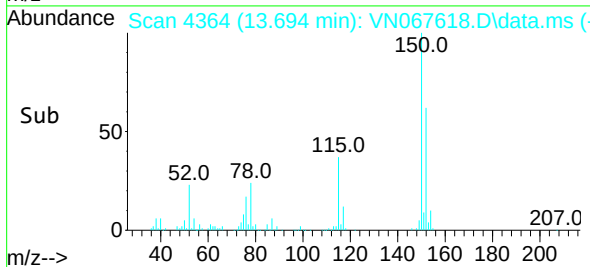
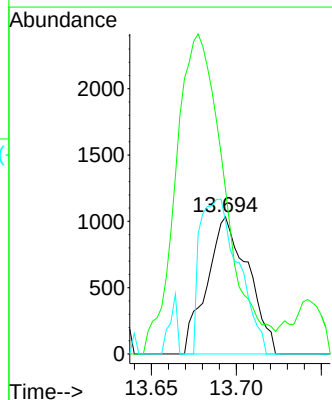
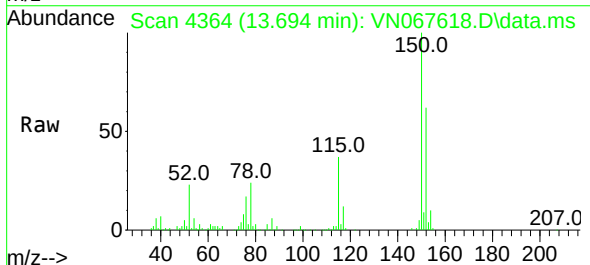
Instrument :
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ClientSampleId :
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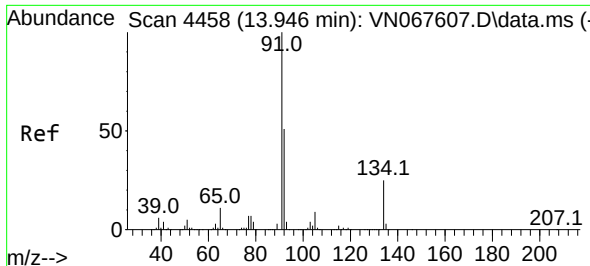
Tgt Ion:119 Resp: 3323
Ion Ratio Lower Upper
119 100
134 25.2 12.4 37.4
91 19.6 14.8 44.3



#88
1,4-Dichlorobenzene
Concen: 0.206 ug/l
RT: 13.694 min Scan# 4364
Delta R.T. -0.005 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

Tgt Ion:146 Resp: 1739
Ion Ratio Lower Upper
146 100
111 0.0 23.4 70.2#
148 105.8 31.8 95.3#

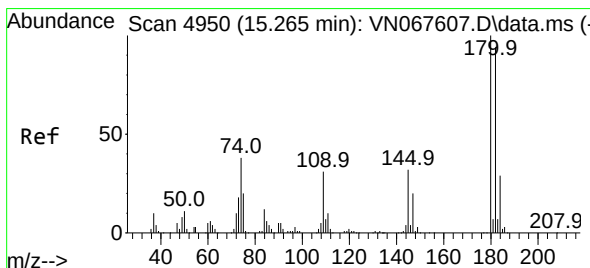
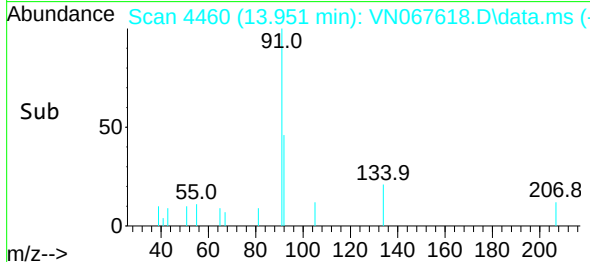
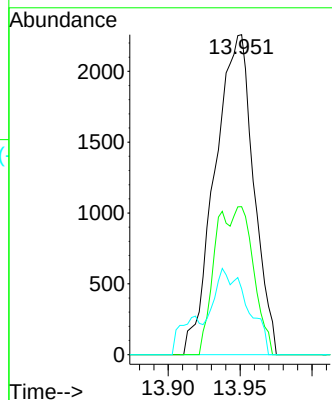
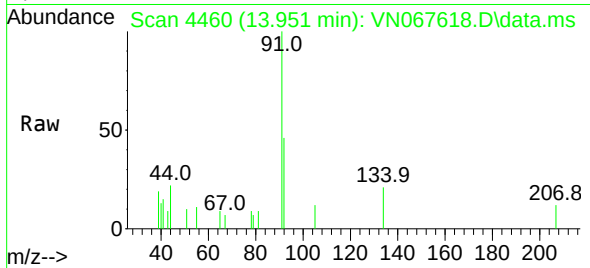




#89
n-Butylbenzene
Concen: 0.322 ug/l
RT: 13.951 min Scan# 4460
Delta R.T. 0.005 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

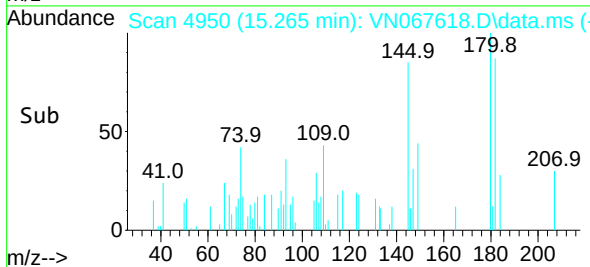
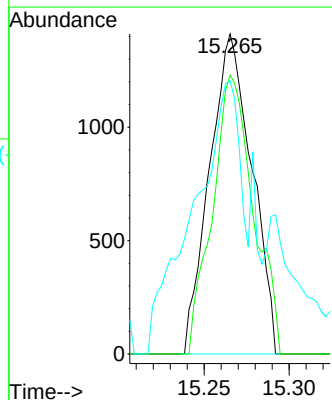
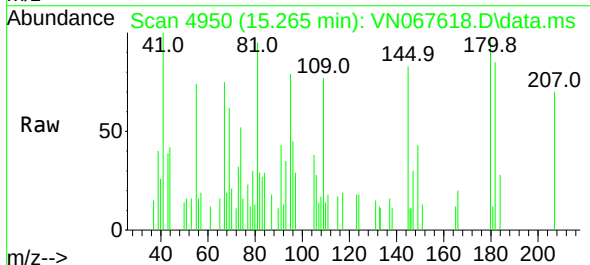
Instrument :
MSVOA_N
ClientSampleId :
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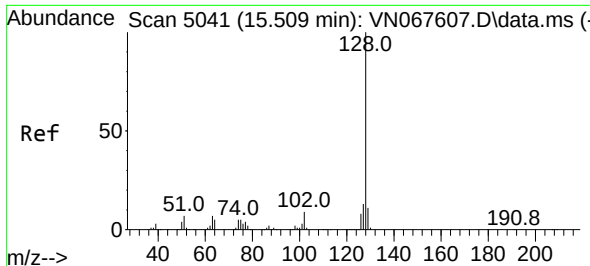
Tgt Ion: 91 Resp: 4220
Ion Ratio Lower Upper
91 100
92 20.8 25.7 77.1#
134 23.9 11.2 33.6



#93
1,2,4-Trichlorobenzene
Concen: 0.696 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

Tgt Ion:180 Resp: 2437
Ion Ratio Lower Upper
180 100
182 84.6 47.5 142.5
145 97.3 17.2 51.6#

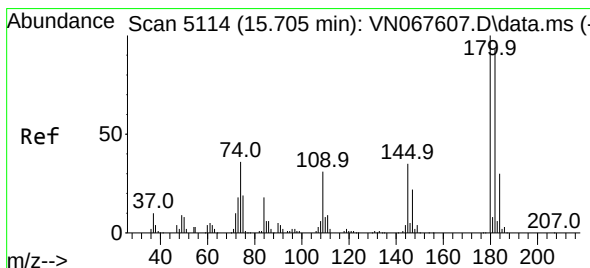
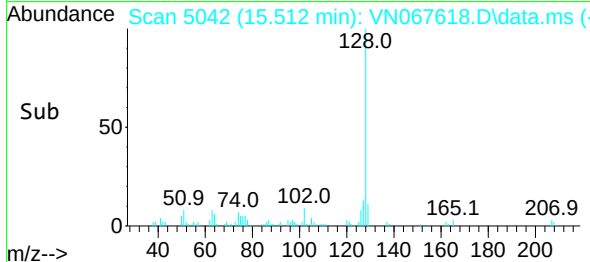
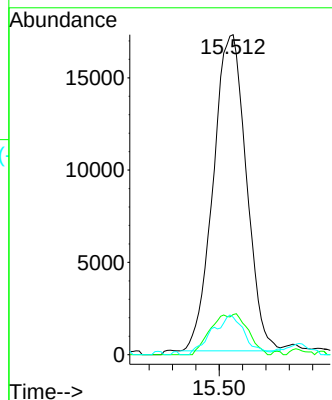
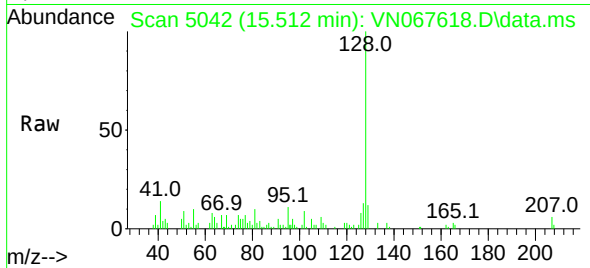




#95
Naphthalene
Concen: 7.077 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

Instrument :
MSVOA_N
ClientSampled :
26878ME

Tgt Ion:128 Resp: 33639
Ion Ratio Lower Upper
128 100
127 8.0 10.6 15.8#
129 12.4 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 0.678 ug/l
RT: 15.713 min Scan# 5117
Delta R.T. 0.008 min
Lab File: VN067618.D
Acq: 2 Jul 2021 15:50

Tgt Ion:180 Resp: 2195
Ion Ratio Lower Upper
180 100
182 126.7 47.8 143.3
145 140.7 18.2 54.6#

