

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072621\
 Data File : VN067901.D
 Acq On : 26 Jul 2021 12:46
 Operator : JC/MD
 Sample : M3117-06
 Misc : 5.01g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 26 13:21:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

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

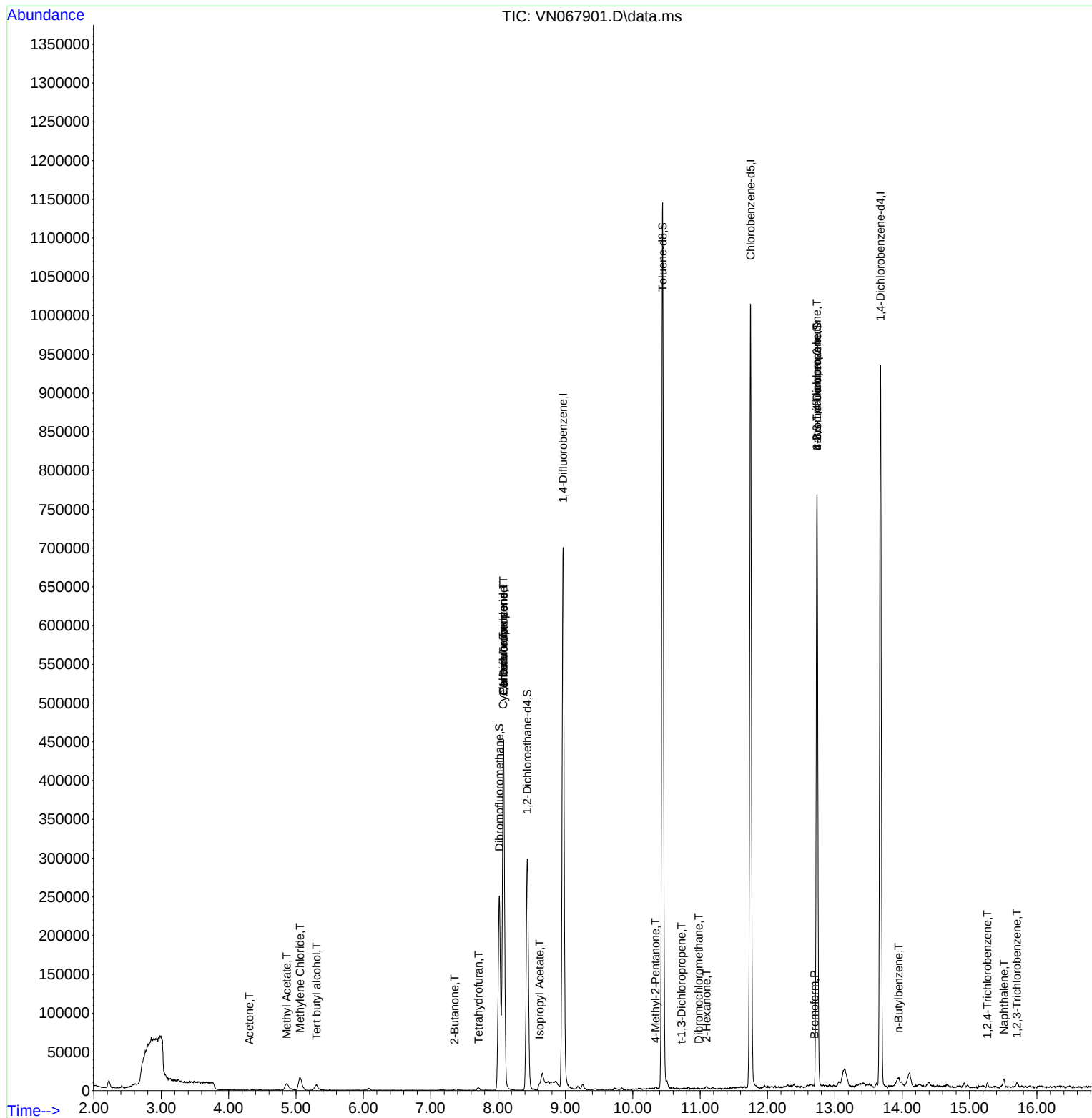
Internal Standards						
1) Pentafluorobenzene	8.080	168	327473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	625304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	585437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	237370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	255253	51.575	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.160%			
35) Dibromofluoromethane	8.018	113	184719	48.894	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.780%			
50) Toluene-d8	10.443	98	790679	50.000	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.000%			
62) 4-Bromofluorobenzene	12.736	95	266493	47.706	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 95.420%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.842	94	76	Below Cal	#	4
6) Chloroethane	3.009	64	314	Below Cal	#	44
7) Trichlorofluoromethane	3.269	101	621	Below Cal	#	60
11) Tert butyl alcohol	5.304	59	6456	9.078	ug/l #	71
13) Acrolein	4.049	56	52	Below Cal	#	61
16) Acetone	4.307	43	1356	0.871	ug/l #	90
18) Methyl Acetate	4.864	43	21631	4.945	ug/l #	54
20) Methylene Chloride	5.060	84	9028	1.813	ug/l	97
25) 2-Butanone	7.353	43	861	0.333	ug/l #	51
29) Tetrahydrofuran	7.713	42	2535	1.491	ug/l #	67
31) Cyclohexane	8.075	56	8360	1.205	ug/l #	15
36) 1,1-Dichloropropene	8.077	75	30432	5.239	ug/l #	52
38) Carbon Tetrachloride	8.080	117	36334	6.342	ug/l #	17
43) Isopropyl Acetate	8.617	43	4814	0.486	ug/l #	58
51) 4-Methyl-2-Pentanone	10.336	43	1827	0.300	ug/l #	79
53) t-1,3-Dichloropropene	10.725	75	95	1.757	ug/l #	43
59) 2-Hexanone	11.095	43	2558	0.603	ug/l	94
60) Dibromochloromethane	10.979	129	86	2.372	ug/l #	11
71) Bromoform	12.699	173	78	3.195	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	148079	30.547	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	148079	98.488	ug/l #	6
89) n-Butylbenzene	13.946	91	2739	0.216	ug/l	88
93) 1,2,4-Trichlorobenzene	15.262	180	1912	3.132	ug/l	80
95) Naphthalene	15.509	128	10081	3.827	ug/l	97
96) 1,2,3-Trichlorobenzene	15.702	180	1932	3.115	ug/l	90

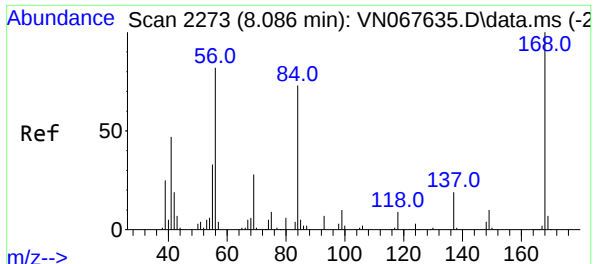
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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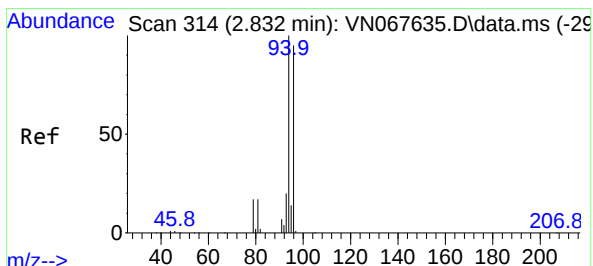
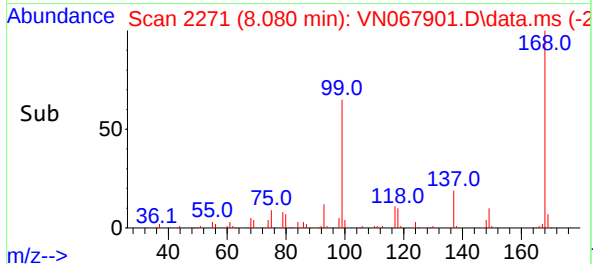
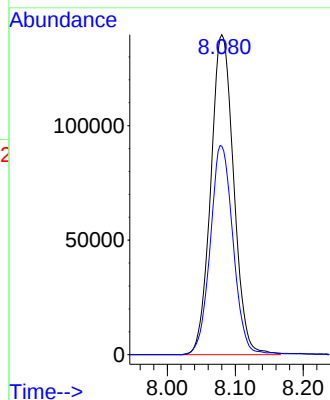
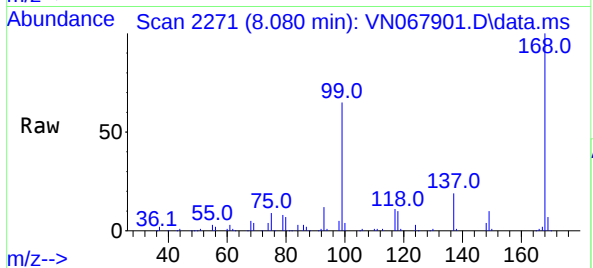




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.006 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

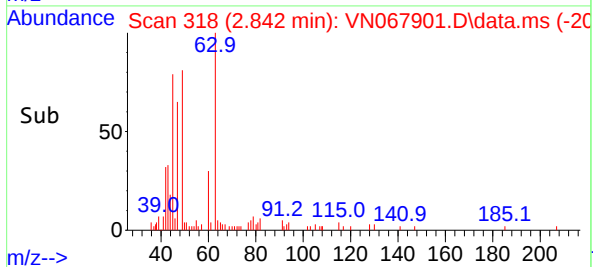
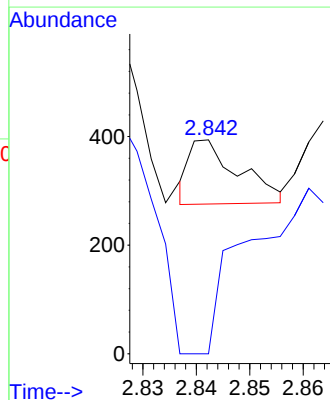
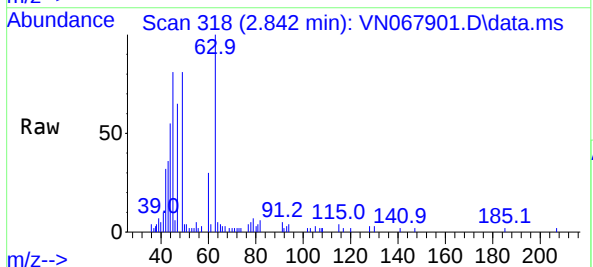
Instrument :
MSVOA_N
ClientSampleId :

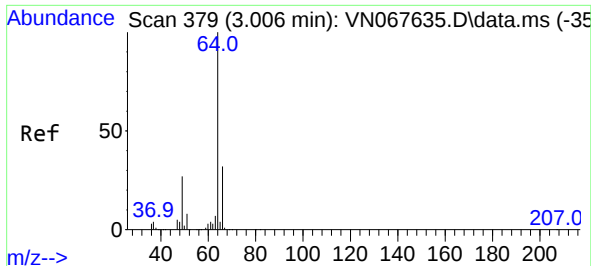
Tgt Ion:168 Resp: 327473
Ion Ratio Lower Upper
168 100
99 65.1 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.842 min Scan# 318
Delta R.T. 0.010 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

Tgt Ion: 94 Resp: 76
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

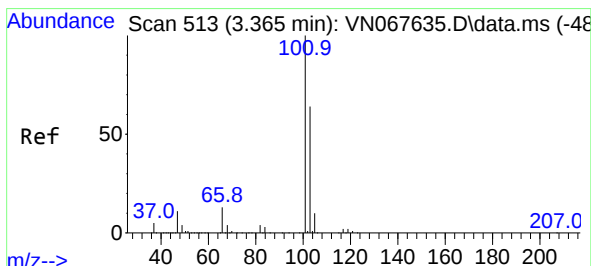
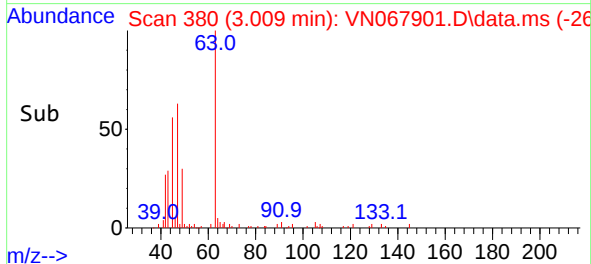
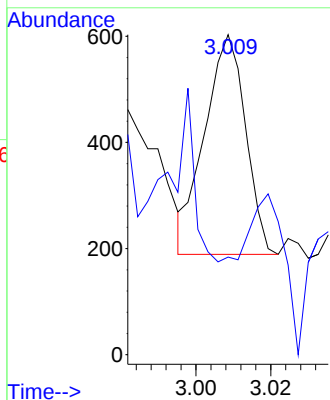
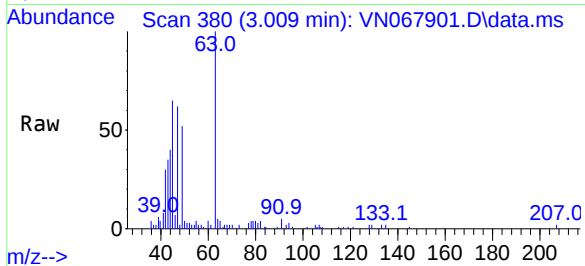




#6
Chloroethane
Concen: Below Cal
RT: 3.009 min Scan# 380
Delta R.T. 0.003 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

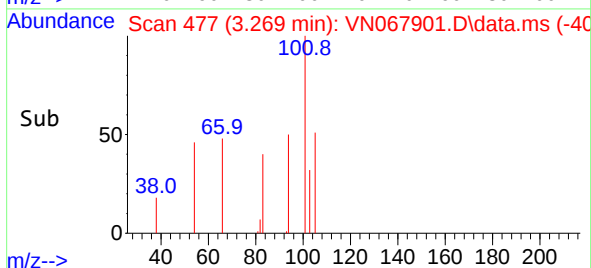
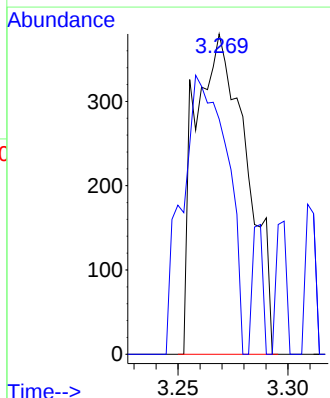
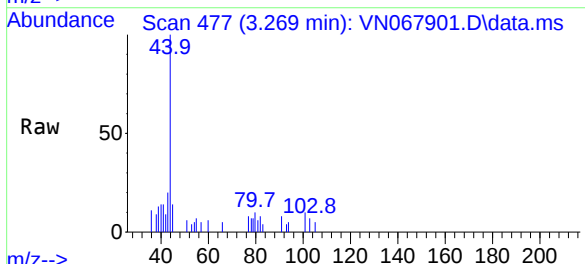
Instrument :
MSVOA_N
ClientSampled :

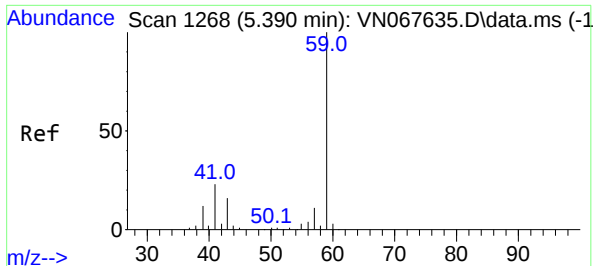
Tgt Ion: 64 Resp: 314
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.269 min Scan# 477
Delta R.T. -0.096 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

Tgt Ion: 101 Resp: 621
Ion Ratio Lower Upper
101 100
103 32.9 51.2 76.8#



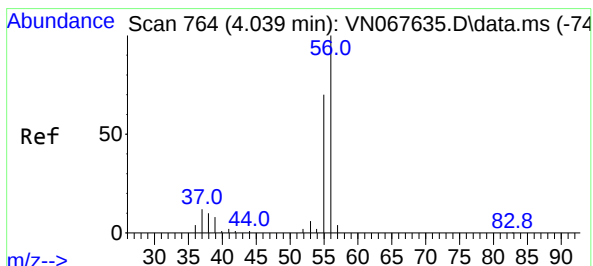
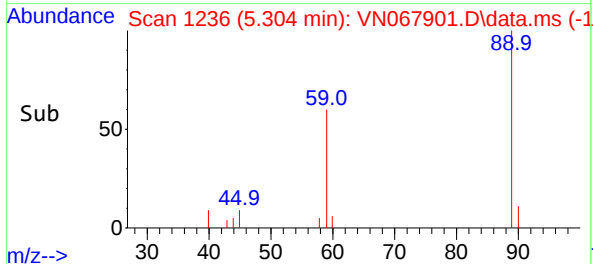
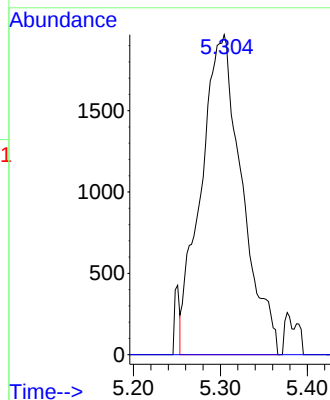
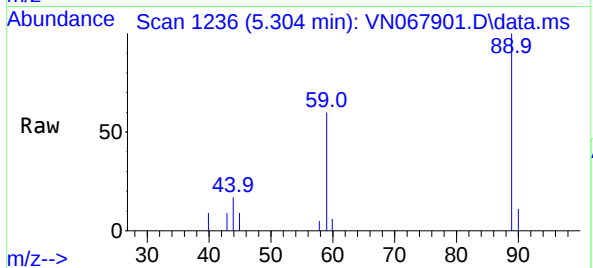


#11

Tert butyl alcohol
Concen: 9.078 ug/l
RT: 5.304 min Scan# 1236
Delta R.T. -0.086 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

Instrument :
MSVOA_N
ClientSampled :

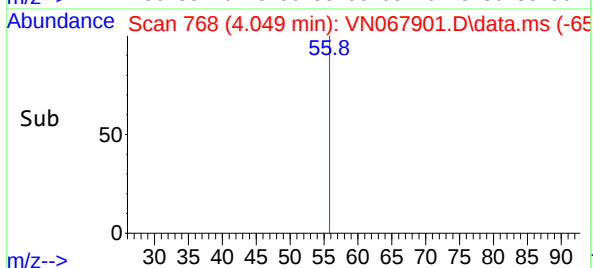
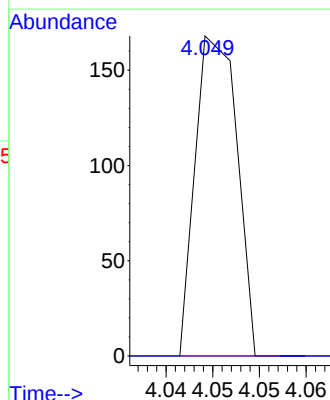
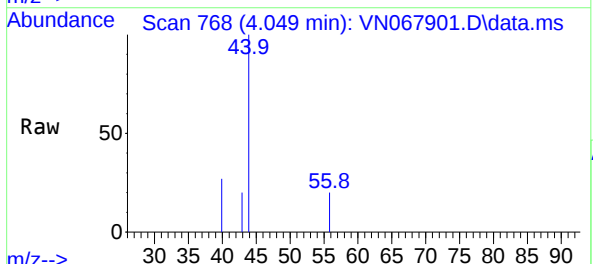
Tgt Ion: 59 Resp: 6456
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

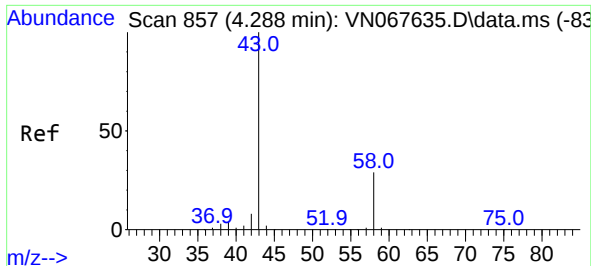


#13

Acrolein
Concen: Below Cal
RT: 4.049 min Scan# 768
Delta R.T. 0.010 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

Tgt Ion: 56 Resp: 52
Ion Ratio Lower Upper
56 100
55 103.8 57.4 86.0#

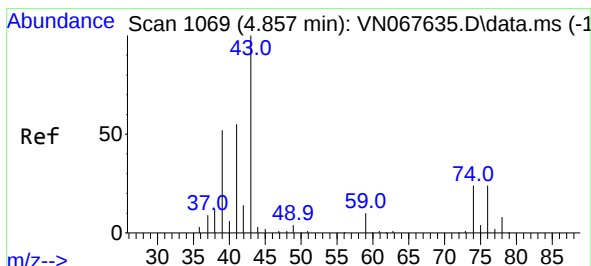
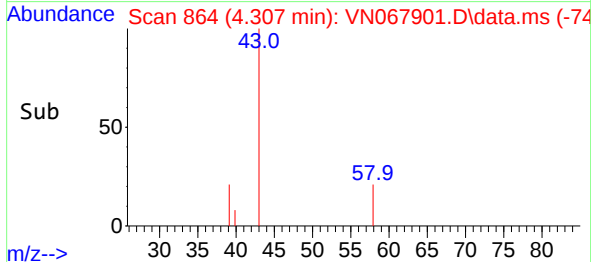
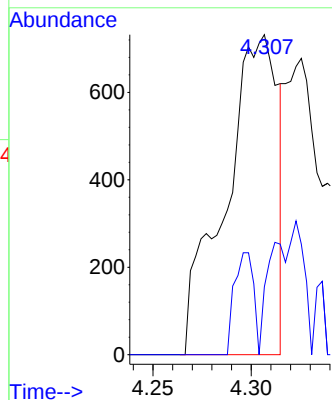
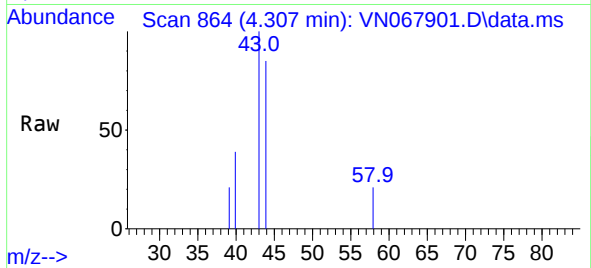




#16
Acetone
Concen: 0.871 ug/l
RT: 4.307 min Scan# 864
Delta R.T. 0.019 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

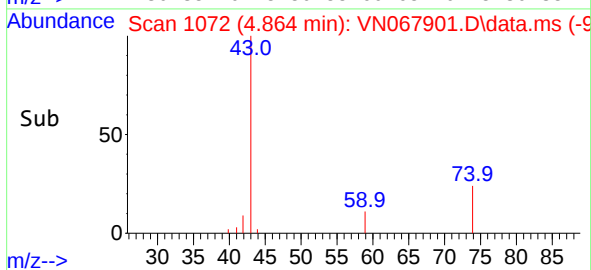
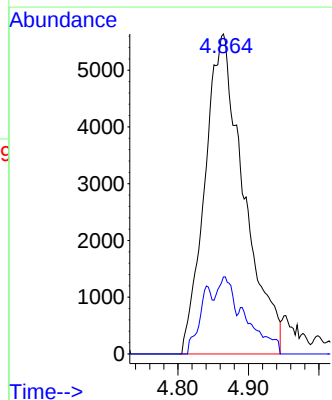
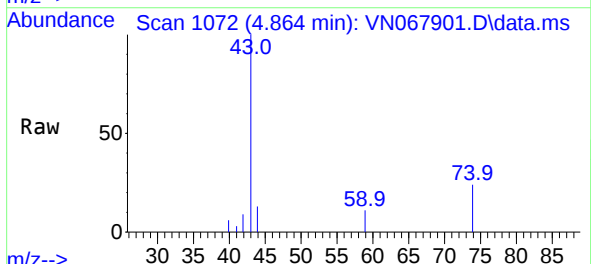
Instrument :
MSVOA_N
ClientSampled :

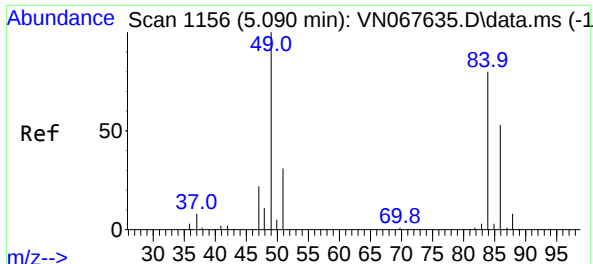
Tgt Ion: 43 Resp: 1356
Ion Ratio Lower Upper
43 100
58 21.2 21.2 31.8#



#18
Methyl Acetate
Concen: 4.945 ug/l
RT: 4.864 min Scan# 1072
Delta R.T. 0.007 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

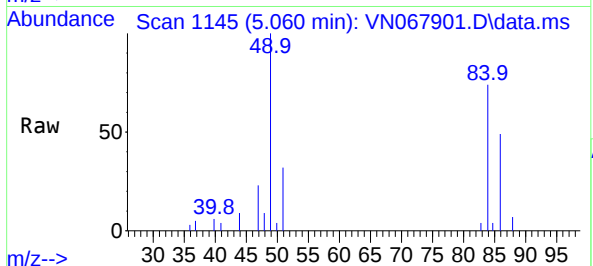
Tgt Ion: 43 Resp: 21631
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#





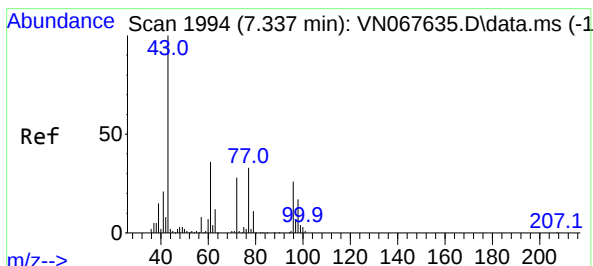
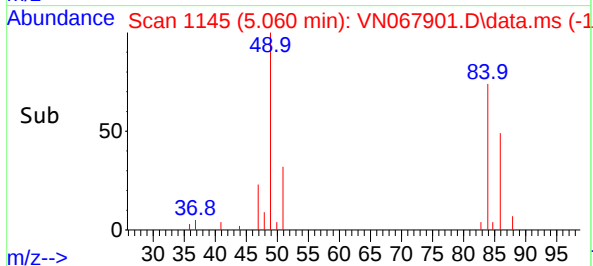
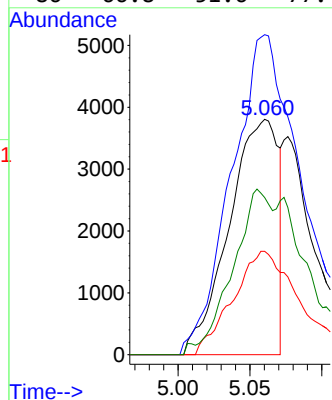
#20
Methylene Chloride
Concen: 1.813 ug/l
RT: 5.060 min Scan# 1145
Delta R.T. -0.030 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 9028

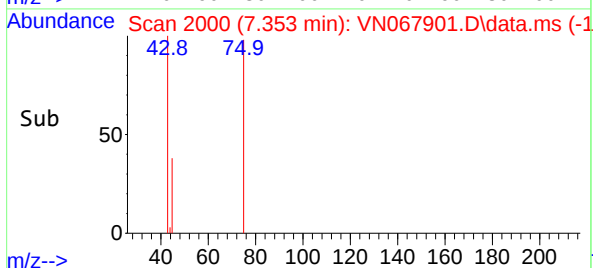
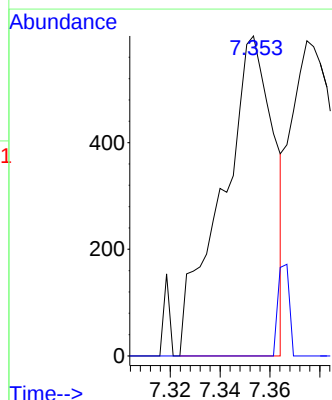
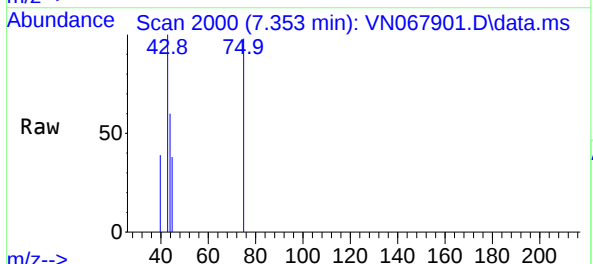
Ion	Ratio	Lower	Upper
84	100		
49	136.0	110.9	166.3
51	43.9	32.6	49.0
86	66.8	51.6	77.4

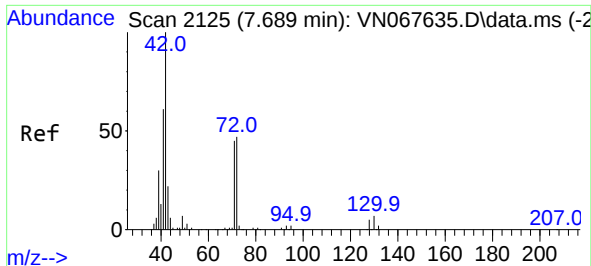


#25
2-Butanone
Concen: 0.333 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.016 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

Tgt Ion: 43 Resp: 861

Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.7	29.5#





#29

Tetrahydrofuran

Concen: 1.491 ug/l

RT: 7.713 min Scan# 2134

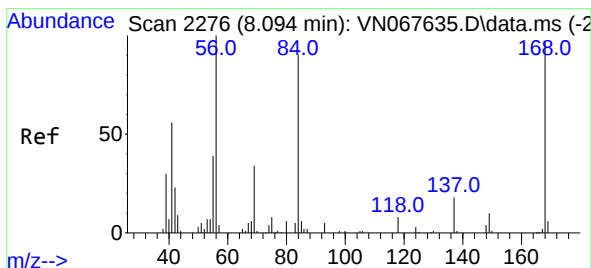
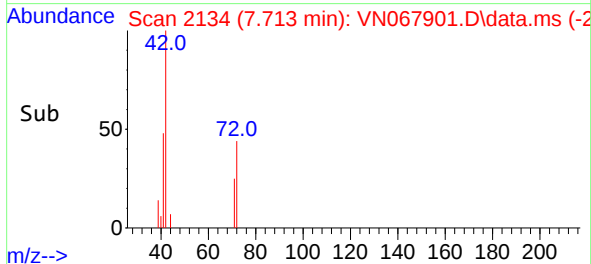
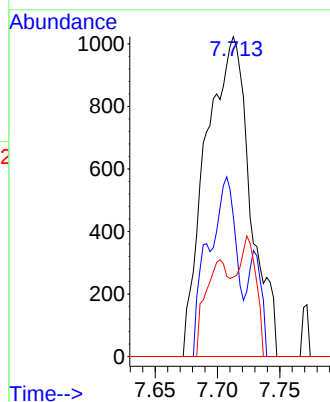
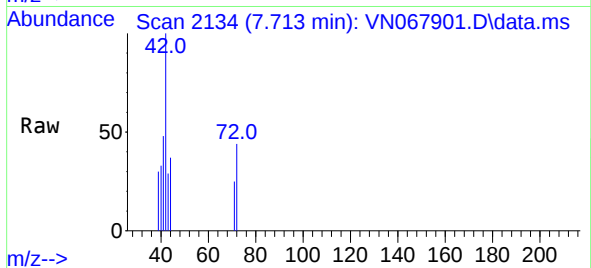
Delta R.T. 0.024 min

Lab File: VN067901.D

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ClientSampled :

Tgt Ion:	42	Resp:	2535
Ion	Ratio	Lower	Upper
42	100		
72	23.7	32.8	49.2#
71	15.8	31.2	46.8#



#31

Cyclohexane

Concen: 1.205 ug/l

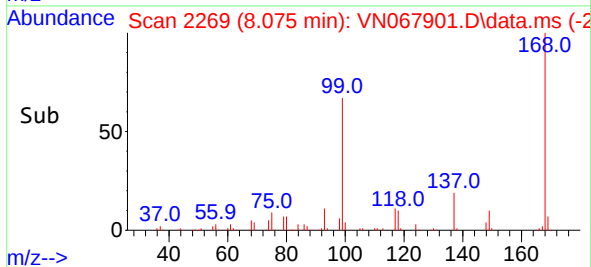
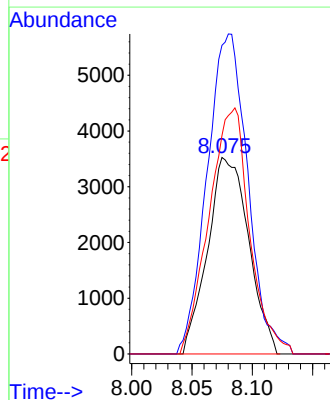
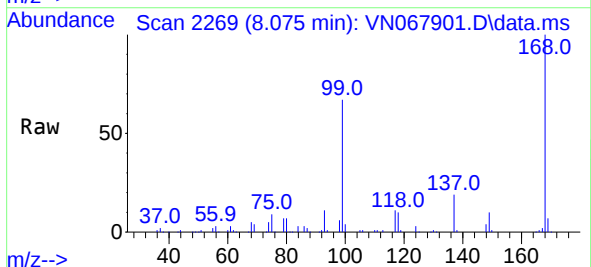
RT: 8.075 min Scan# 2269

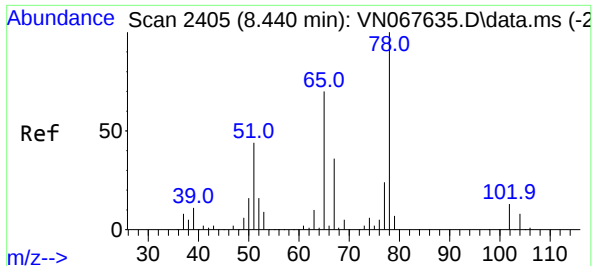
Delta R.T. -0.019 min

Lab File: VN067901.D

Acq: 26 Jul 2021 12:46

Tgt Ion:	56	Resp:	8360
Ion	Ratio	Lower	Upper
56	100		
69	152.2	27.3	40.9#
84	111.1	64.9	97.3#



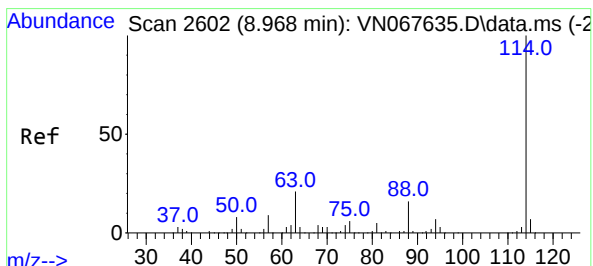
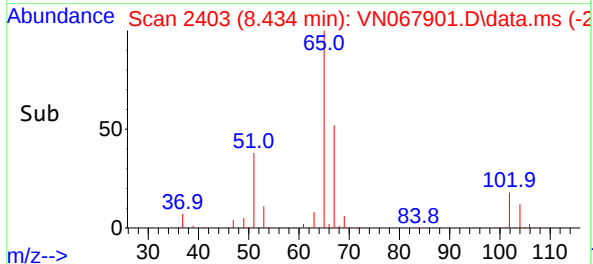
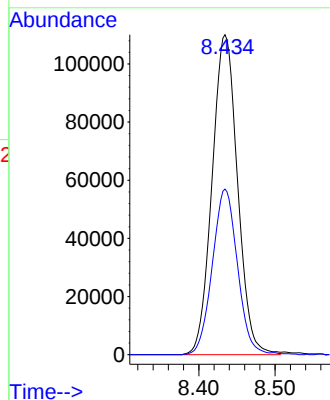
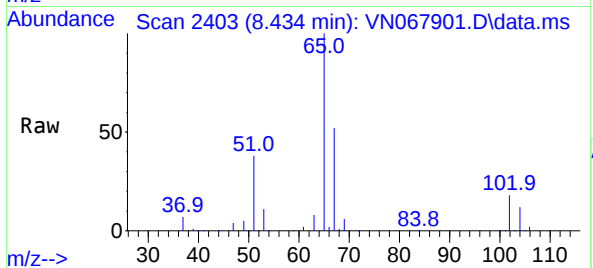


#33

1,2-Dichloroethane-d4
Concen: 51.575 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.006 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

Instrument :
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ClientSampled :

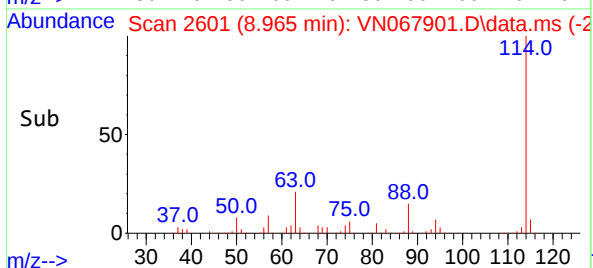
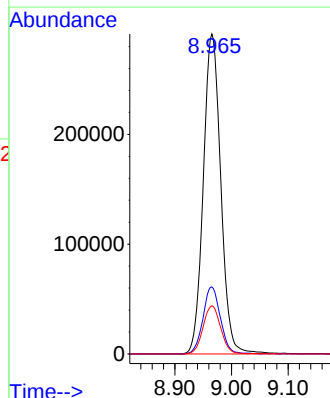
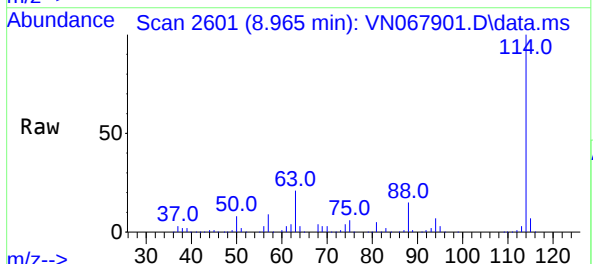
Tgt Ion: 65 Resp: 255253
Ion Ratio Lower Upper
65 100
67 50.9 0.0 98.6

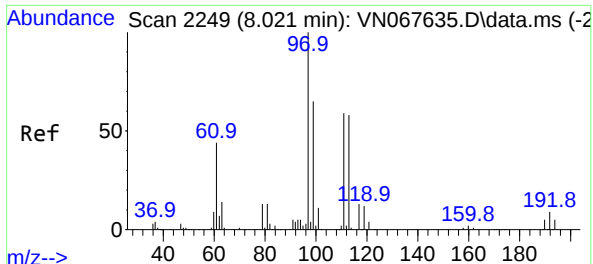


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

Tgt Ion: 114 Resp: 625304
Ion Ratio Lower Upper
114 100
63 20.9 0.0 49.0
88 15.0 0.0 36.6



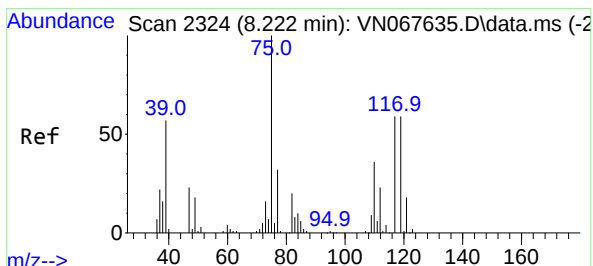
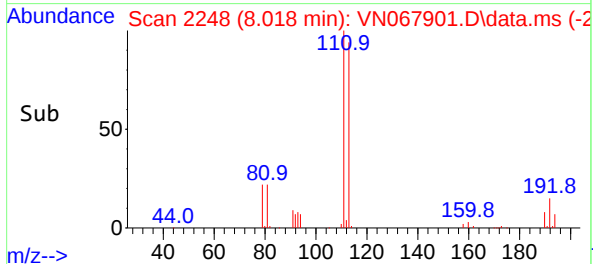
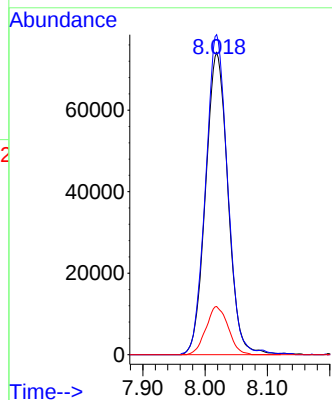
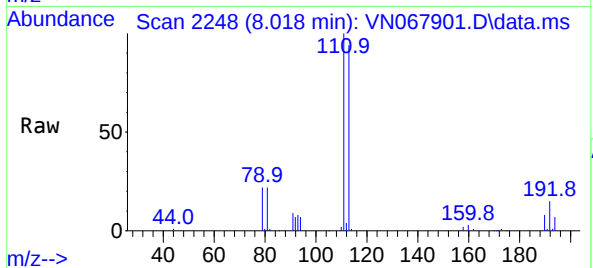


#35

Dibromofluoromethane
Concen: 48.894 ug/l
RT: 8.018 min Scan# 2248
Delta R.T. -0.003 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

Instrument :
MSVOA_N
ClientSampleId :

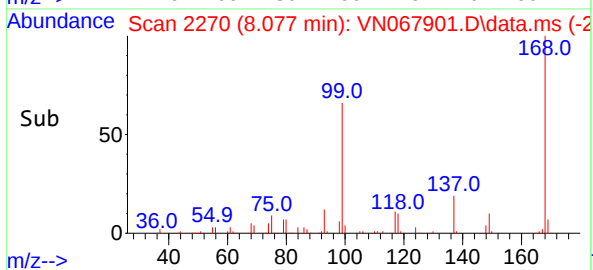
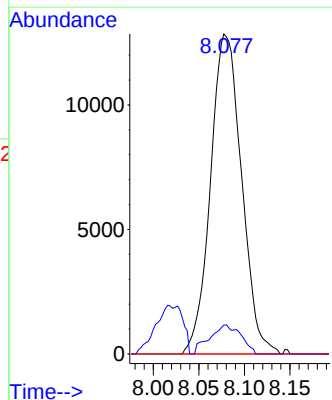
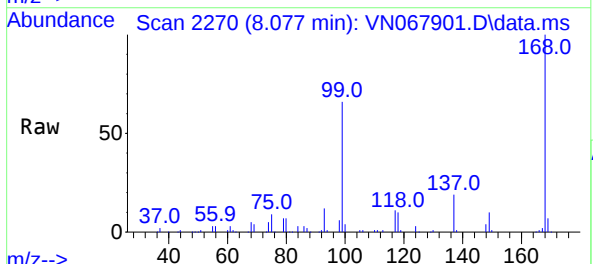
Tgt Ion:113 Resp: 184719
Ion Ratio Lower Upper
113 100
111 103.7 83.8 125.8
192 15.9 13.4 20.0

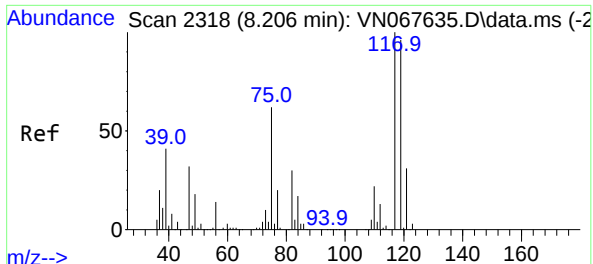


#36

1,1-Dichloropropene
Concen: 5.239 ug/l
RT: 8.077 min Scan# 2270
Delta R.T. -0.145 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

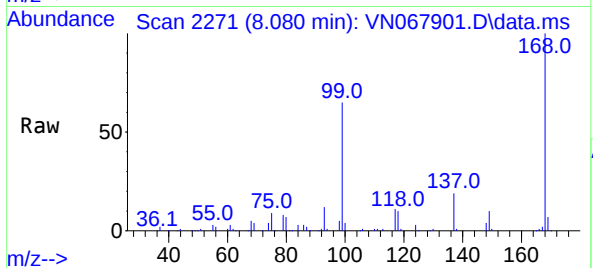
Tgt Ion: 75 Resp: 30432
Ion Ratio Lower Upper
75 100
110 9.1 15.7 47.0#
77 0.0 24.6 37.0#



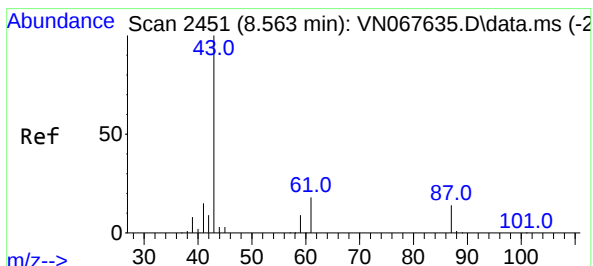
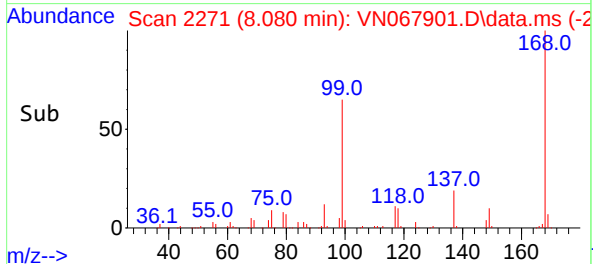
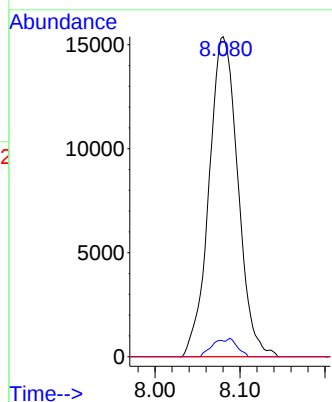


#38
Carbon Tetrachloride
Concen: 6.342 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.126 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

Instrument :
MSVOA_N
ClientSampleId :

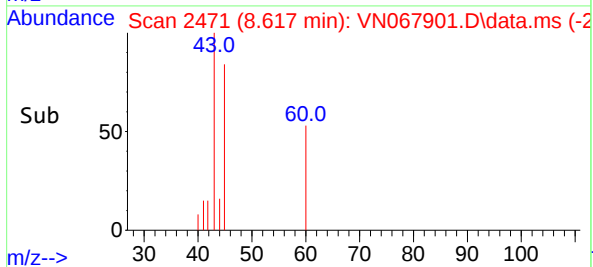
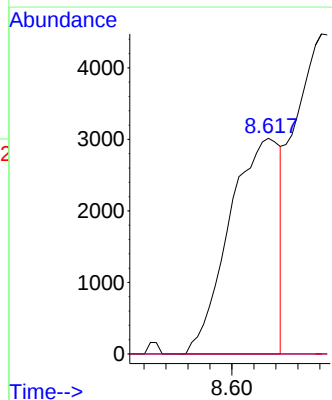
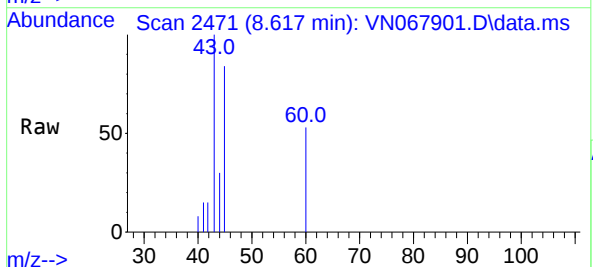


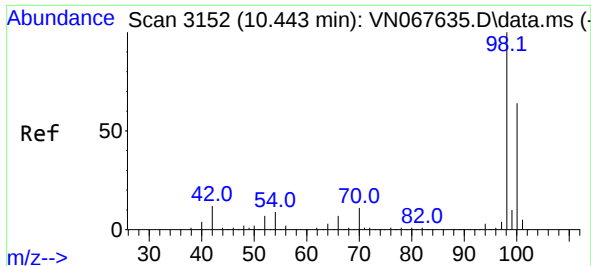
Tgt Ion:117 Resp: 36334
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 0.486 ug/l
RT: 8.617 min Scan# 2471
Delta R.T. 0.054 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

Tgt Ion: 43 Resp: 4814
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

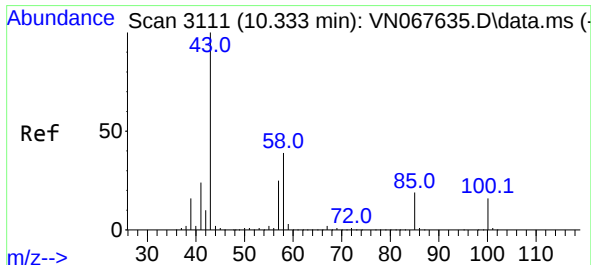
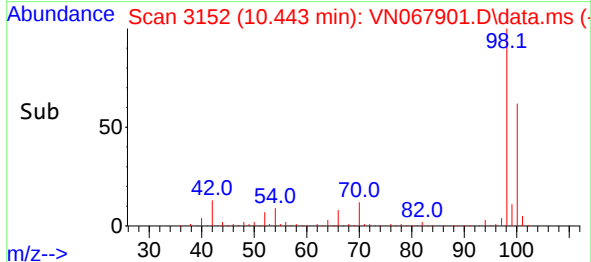
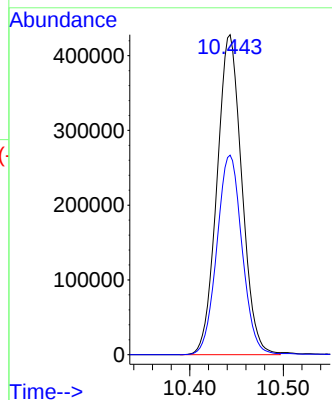
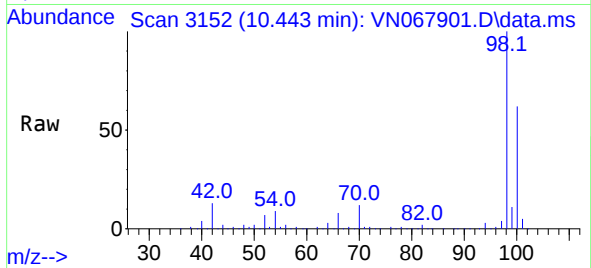




#50
Toluene-d8
Concen: 50.000 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

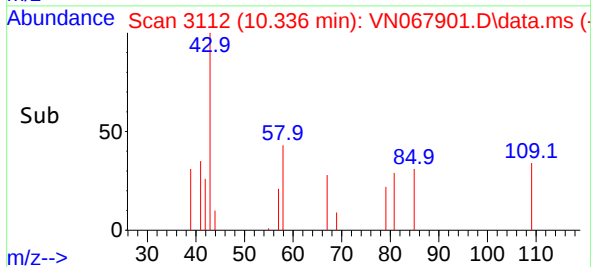
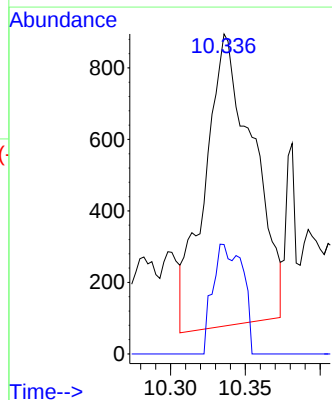
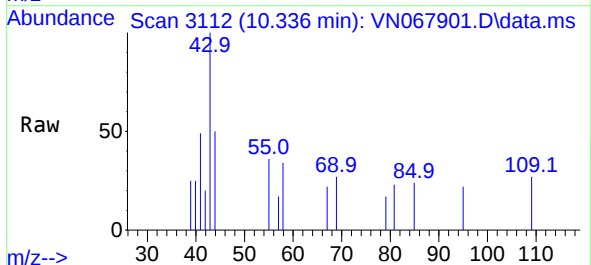
Instrument :
MSVOA_N
ClientSampled :

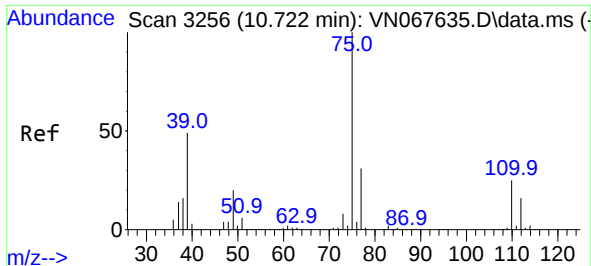
Tgt Ion: 98 Resp: 790679
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.300 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

Tgt Ion: 43 Resp: 1827
Ion Ratio Lower Upper
43 100
58 23.3 28.6 43.0#

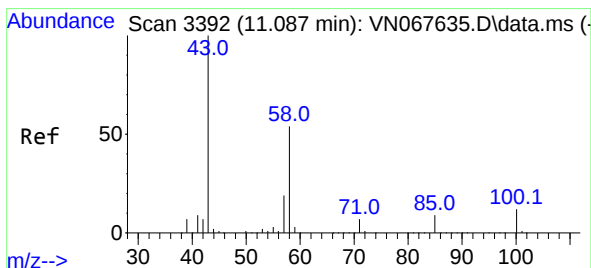
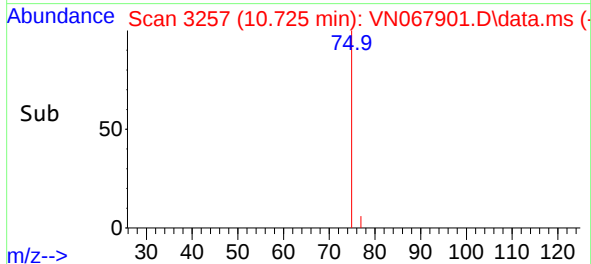
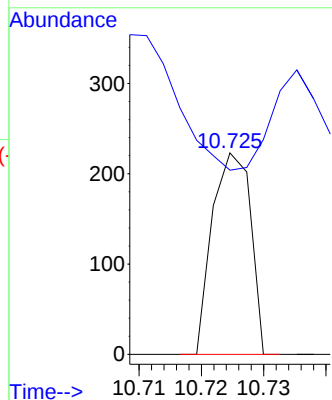
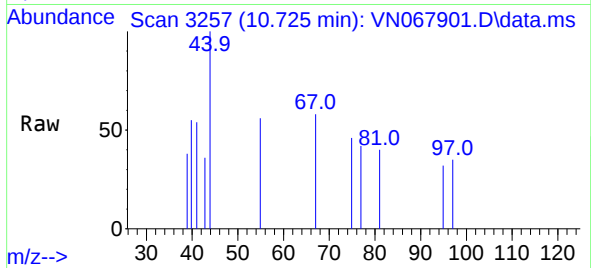




#53
t-1,3-Dichloropropene
Concen: 1.757 ug/l
RT: 10.725 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

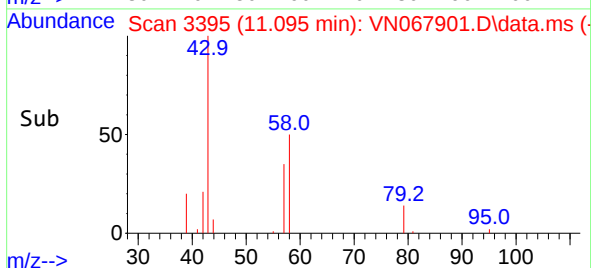
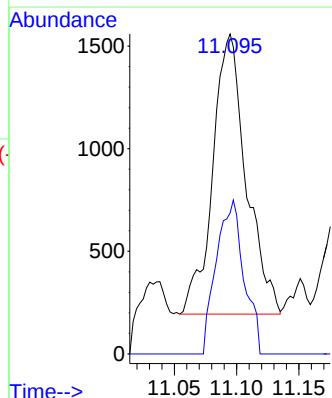
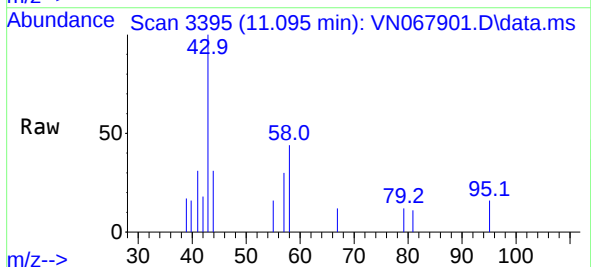
Instrument :
MSVOA_N
ClientSampled :

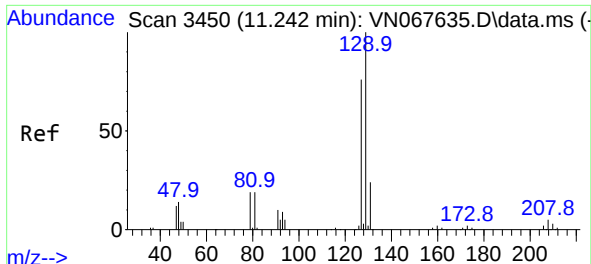
Tgt Ion: 75 Resp: 95
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#



#59
2-Hexanone
Concen: 0.603 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

Tgt Ion: 43 Resp: 2558
Ion Ratio Lower Upper
43 100
58 45.0 24.7 74.1

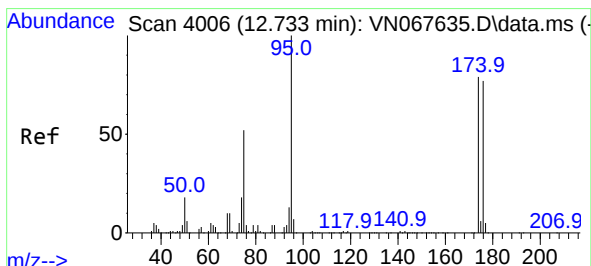
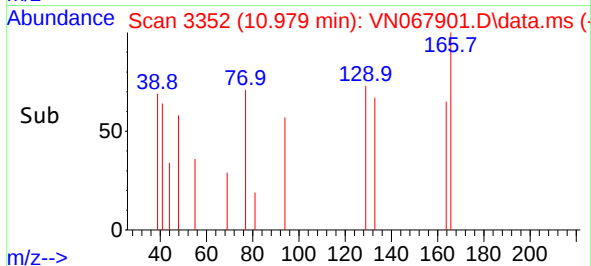
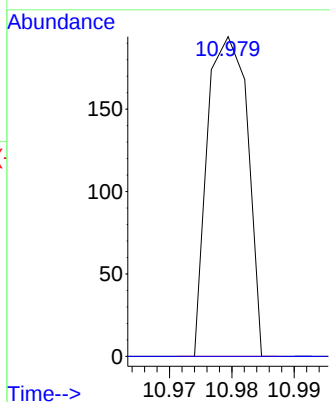
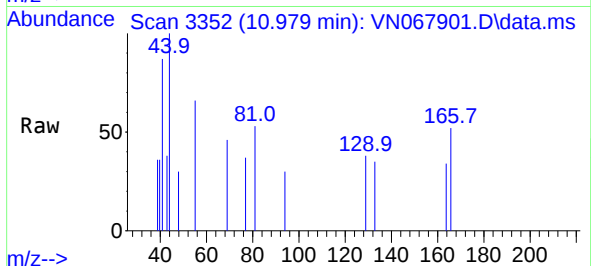




#60
Dibromochloromethane
Concen: 2.372 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.263 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

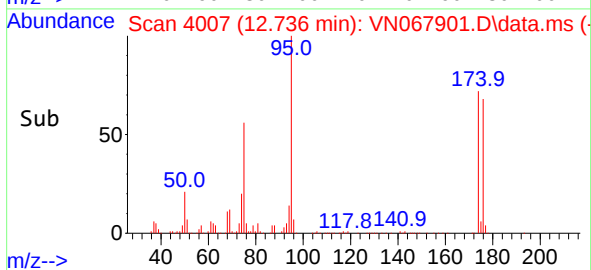
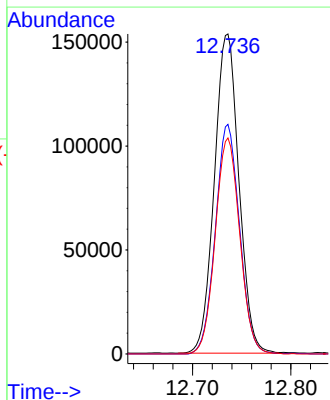
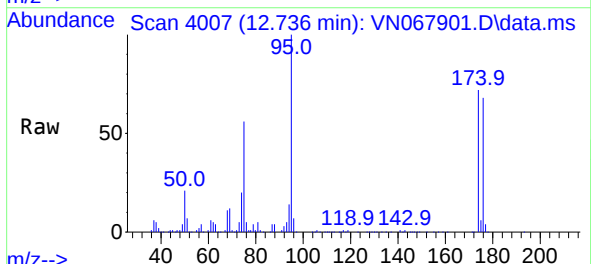
Instrument :
MSVOA_N
ClientSampled :

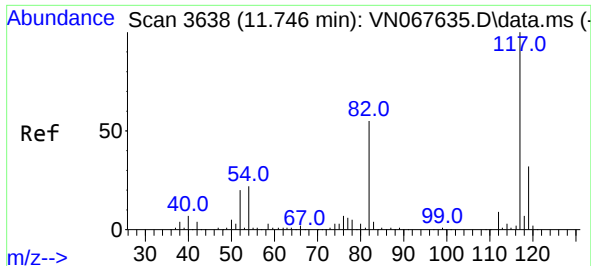
Tgt Ion:129 Resp: 86
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 47.706 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

Tgt Ion: 95 Resp: 266493
Ion Ratio Lower Upper
95 100
174 70.8 0.0 122.0
176 67.6 0.0 117.6

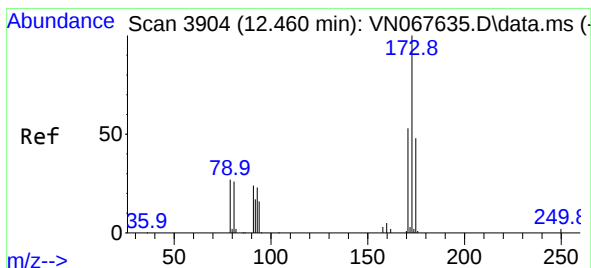
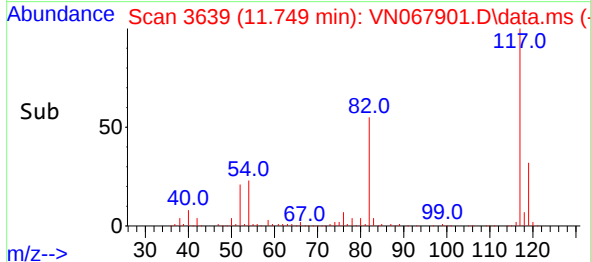
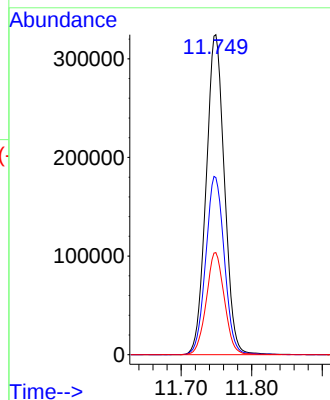
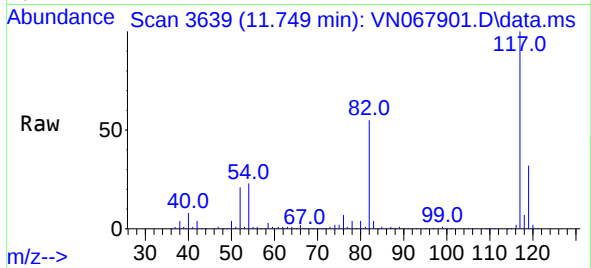




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

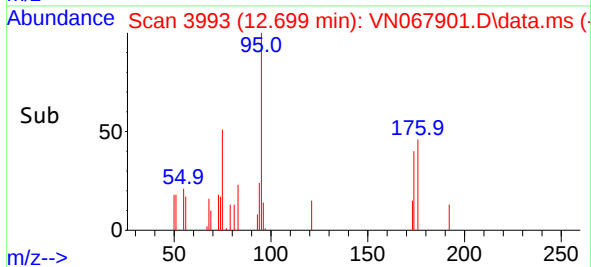
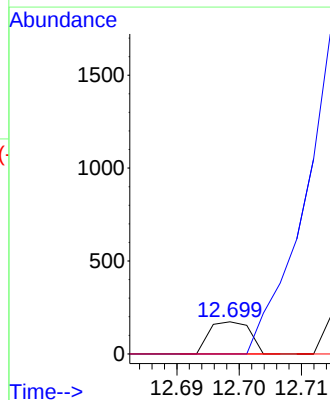
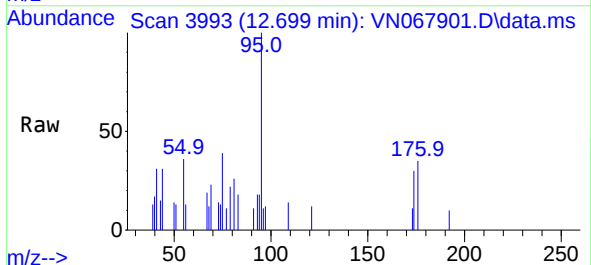
Instrument :
MSVOA_N
ClientSampled :

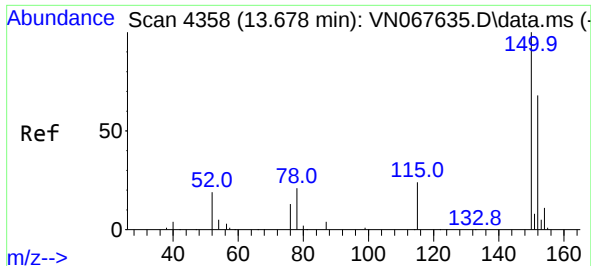
Tgt Ion:117 Resp: 585437
Ion Ratio Lower Upper
117 100
82 55.3 53.1 79.7
119 31.9 25.5 38.3



#71
Bromoform
Concen: 3.195 ug/l
RT: 12.699 min Scan# 3993
Delta R.T. 0.239 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

Tgt Ion:173 Resp: 78
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

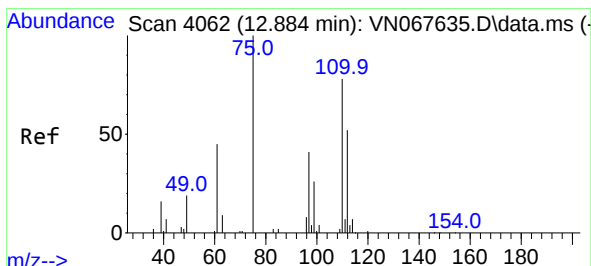
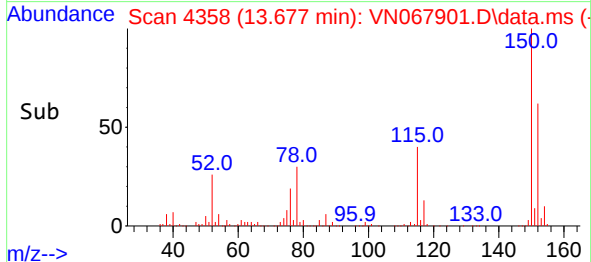
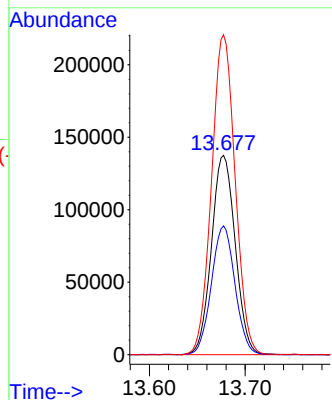
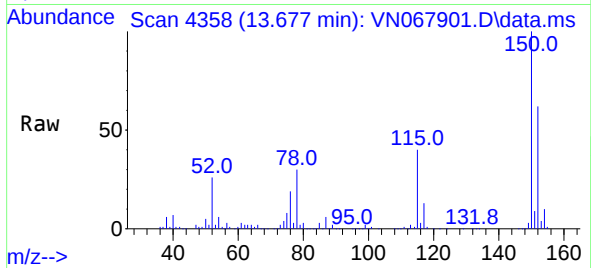




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

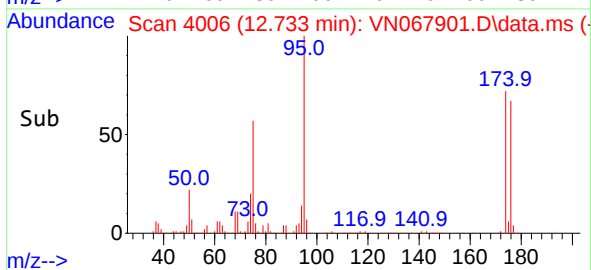
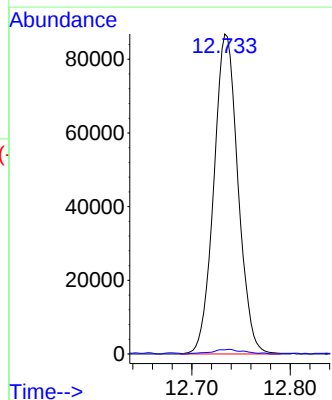
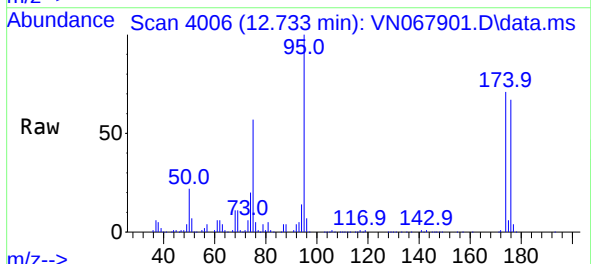
Instrument :
MSVOA_N
ClientSampled :

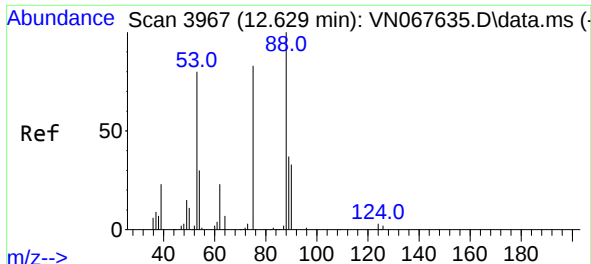
Tgt Ion:152 Resp: 237370
Ion Ratio Lower Upper
152 100
115 64.1 36.1 108.5
150 159.1 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 30.547 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

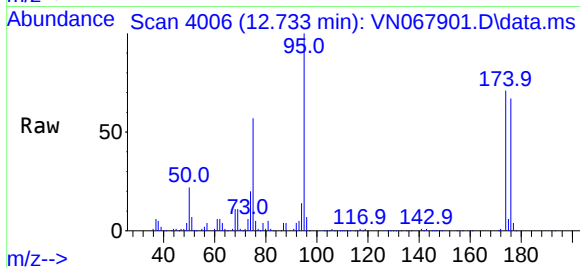
Tgt Ion: 75 Resp: 148079
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



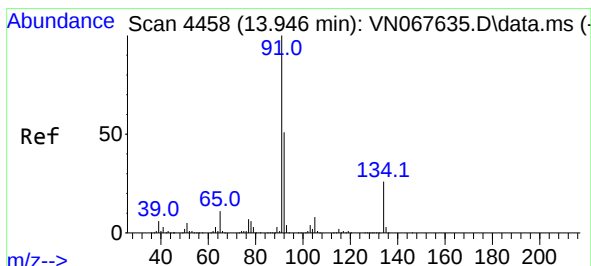
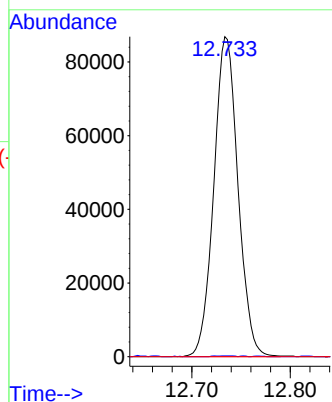
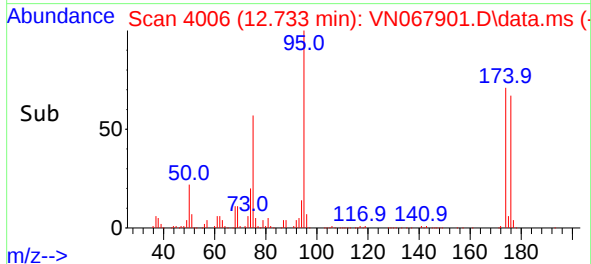


#81
trans-1,4-Dichloro-2-butene
Concen: 98.488 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

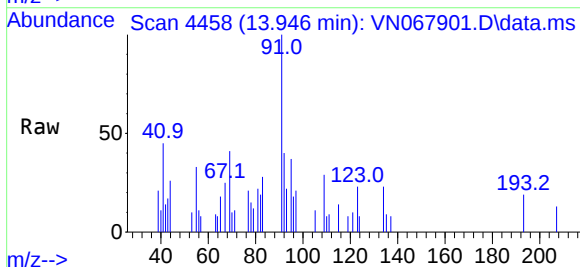
Instrument :
MSVOA_N
ClientSampled :



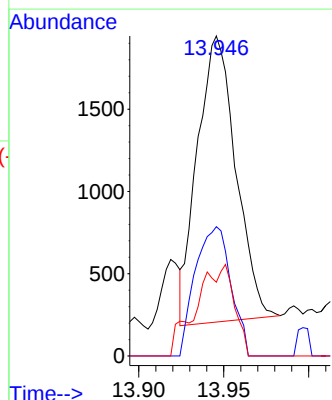
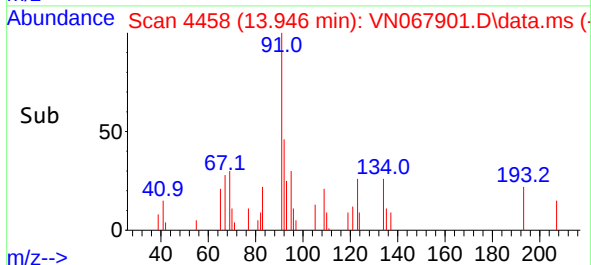
Tgt Ion: 75 Resp: 148079
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

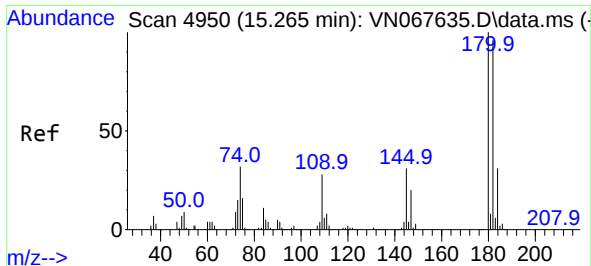


#89
n-Butylbenzene
Concen: 0.216 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46



Tgt Ion: 91 Resp: 2739
Ion Ratio Lower Upper
91 100
92 41.8 25.7 77.1
134 18.8 11.2 33.6

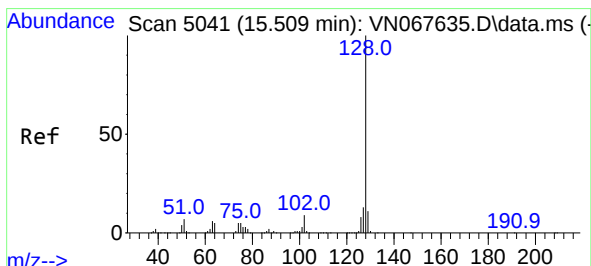
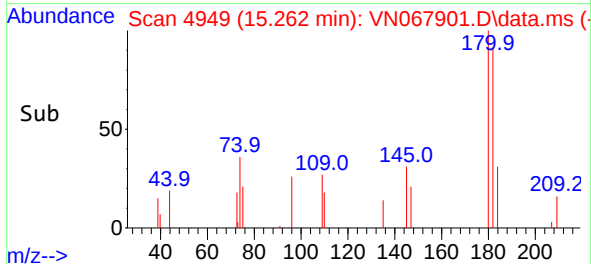
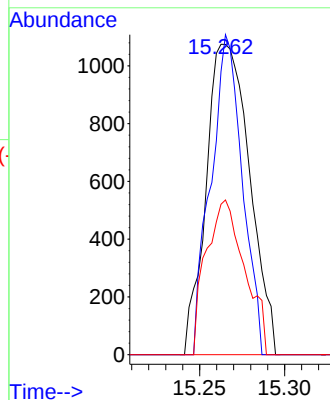
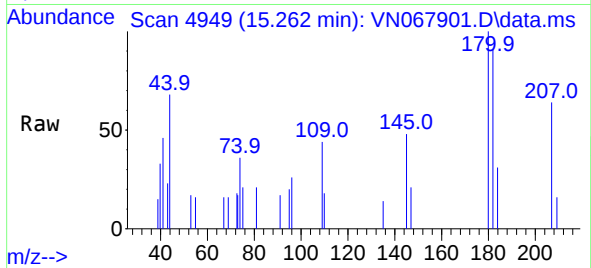




#93
1,2,4-Trichlorobenzene
Concen: 3.132 ug/l
RT: 15.262 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

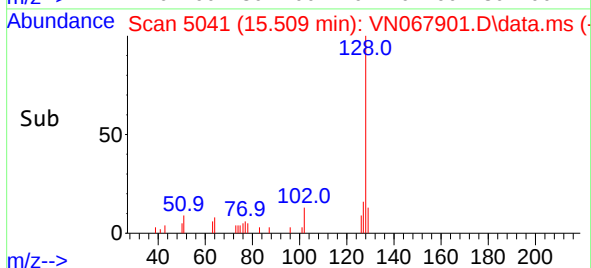
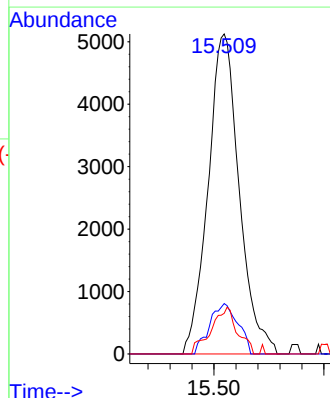
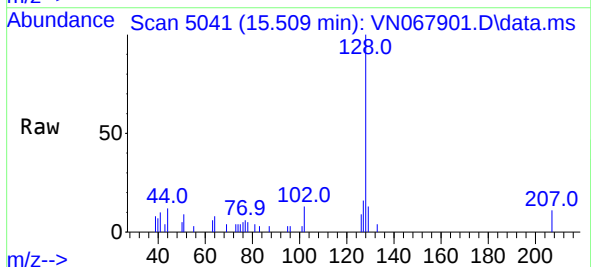
Instrument :
MSVOA_N
ClientSampleId :

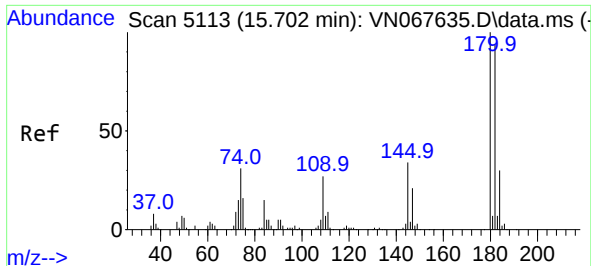
Tgt Ion:180 Resp: 1912
Ion Ratio Lower Upper
180 100
182 74.7 47.5 142.5
145 44.3 17.2 51.6



#95
Naphthalene
Concen: 3.827 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067901.D
Acq: 26 Jul 2021 12:46

Tgt Ion:128 Resp: 10081
Ion Ratio Lower Upper
128 100
127 14.3 10.6 15.8
129 12.3 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 3.115 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. 0.000 min
 Lab File: VN067901.D
 Acq: 26 Jul 2021 12:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:	180	Resp:	1932
Ion	Ratio	Lower	Upper
180	100		
182	88.5	47.8	143.3
145	46.6	18.2	54.6

