

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102822\
 Data File : VN075067.D
 Acq On : 28 Oct 2022 17:48
 Operator : JC\MD
 Sample : PB148605TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148605TB

Quant Time: Oct 31 03:09:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

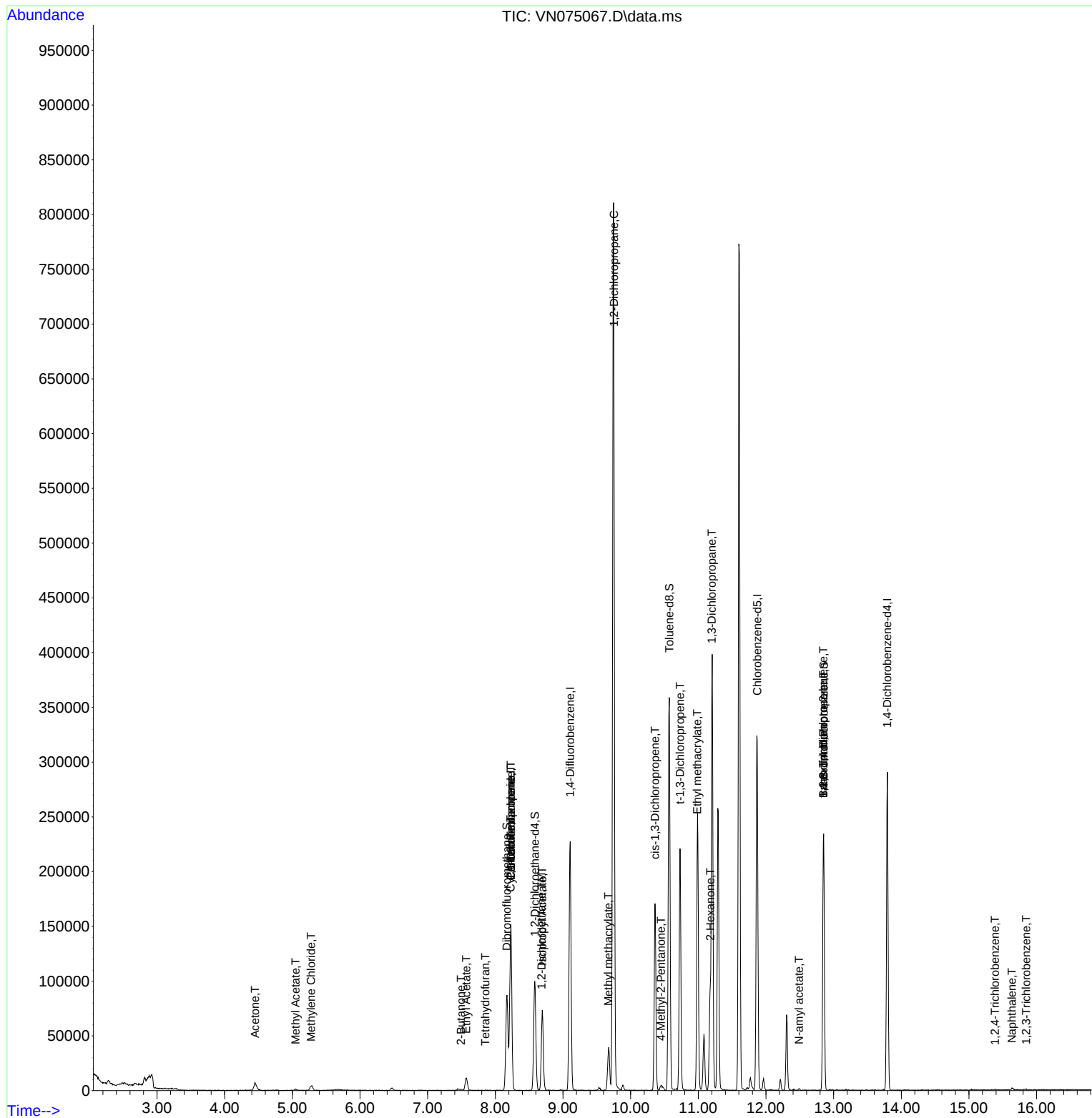
Internal Standards						
1) Pentafluorobenzene	8.230	168	103118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	198777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	189655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	71359	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	83018	59.751	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.500%			
35) Dibromofluoromethane	8.171	113	62574	53.623	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.240%			
50) Toluene-d8	10.571	98	252048	55.672	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.340%			
62) 4-Bromofluorobenzene	12.853	95	82805	52.067	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.140%			
Target Compounds						Qvalue
5) Bromomethane	2.912	94	417	Below Cal	#	56
16) Acetone	4.447	43	13004	22.104	ug/l	95
18) Methyl Acetate	5.047	43	2200	1.145	ug/l #	67
20) Methylene Chloride	5.277	84	3454	2.633	ug/l #	82
25) 2-Butanone	7.494	43	1567	1.693	ug/l #	43
29) Tetrahydrofuran	7.853	42	287	0.480	ug/l #	26
31) Cyclohexane	8.224	56	2571	1.244	ug/l #	57
36) 1,1-Dichloropropene	8.230	75	9469	5.241	ug/l #	50
37) Ethyl Acetate	7.571	43	17738	8.953	ug/l #	95
38) Carbon Tetrachloride	8.230	117	12047	6.062	ug/l #	16
42) 1,2-Dichloroethane	8.682	62	407	0.202	ug/l #	75
43) Isopropyl Acetate	8.694	43	78257	25.464	ug/l #	91
45) 1,2-Dichloropropane	9.753	63	1034	0.785	ug/l #	42
48) Methyl methacrylate	9.671	41	2465	1.749	ug/l #	36
51) 4-Methyl-2-Pentanone	10.447	43	6018	3.035	ug/l #	65
53) t-1,3-Dichloropropene	10.729	75	525	0.250	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	31663	14.240	ug/l #	65
56) Ethyl methacrylate	10.982	69	585	0.262	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4221	1.729	ug/l #	42
59) 2-Hexanone	11.176	43	67358	44.752	ug/l #	21
71) Bromoform	12.847	173	557	0.495	ug/l #	1
74) N-amyl acetate	12.488	43	660	0.311	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	46099	30.426	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	46099	78.102	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.382	180	316	0.299	ug/l	69
95) Naphthalene	15.635	128	2644	0.651	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.847	180	341	0.325	ug/l #	57

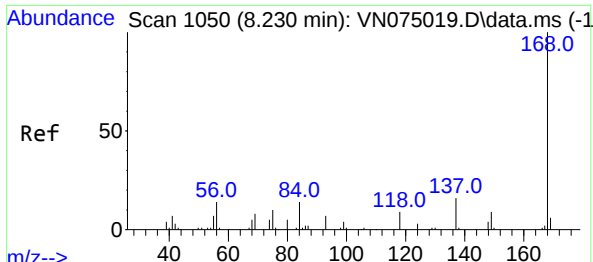
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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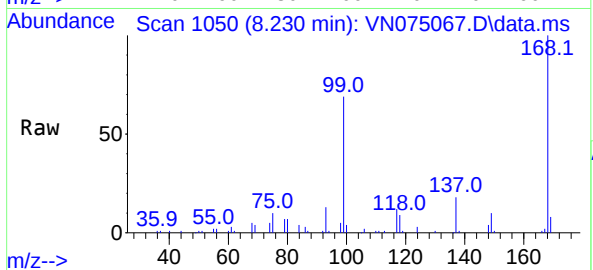
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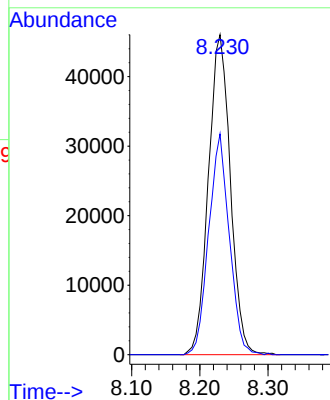
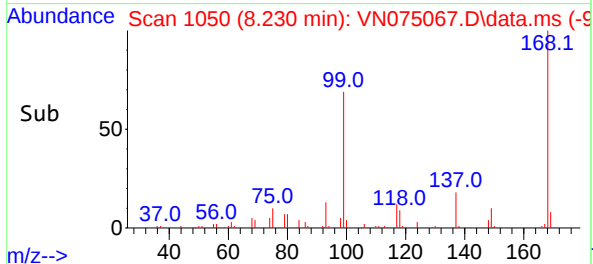


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

Instrument :
MSVOA_N
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PB148605TB

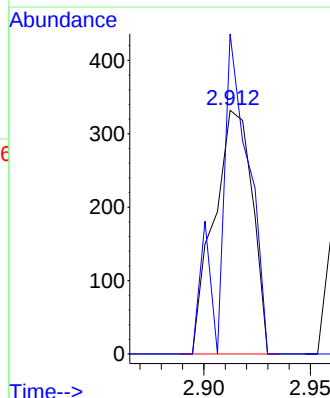
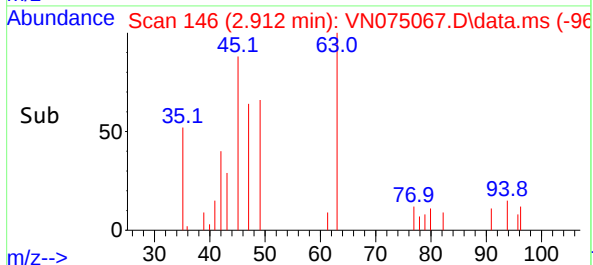
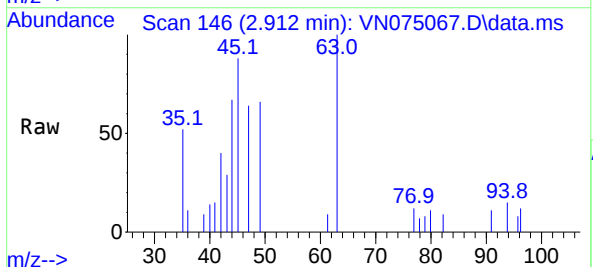


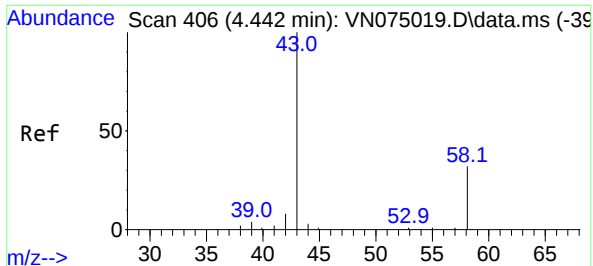
Tgt Ion:168 Resp: 103118
Ion Ratio Lower Upper
168 100
99 69.0 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.912 min Scan# 146
Delta R.T. -0.006 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

Tgt Ion: 94 Resp: 417
Ion Ratio Lower Upper
94 100
96 131.3 71.8 107.6#

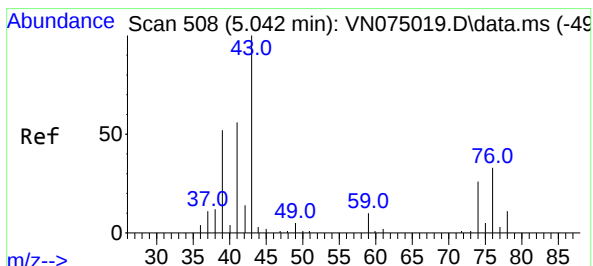
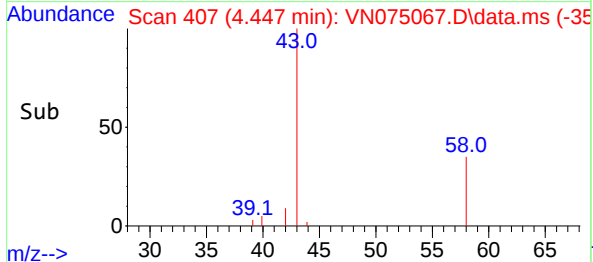
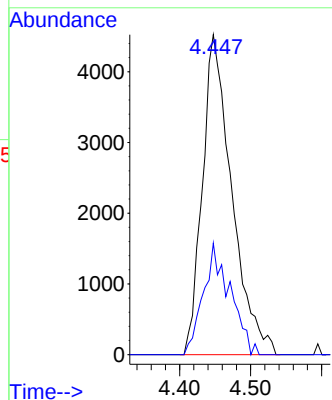
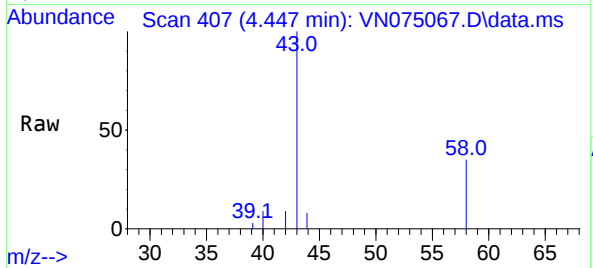




#16
Acetone
Concen: 22.104 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.005 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

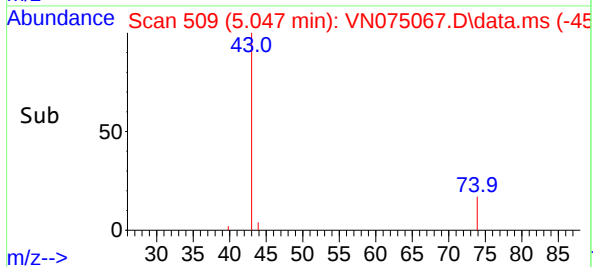
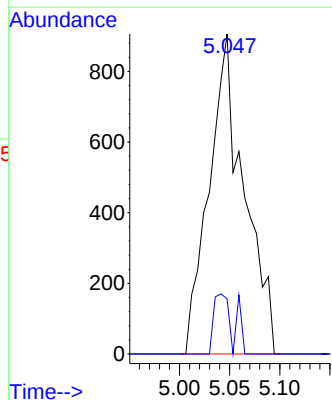
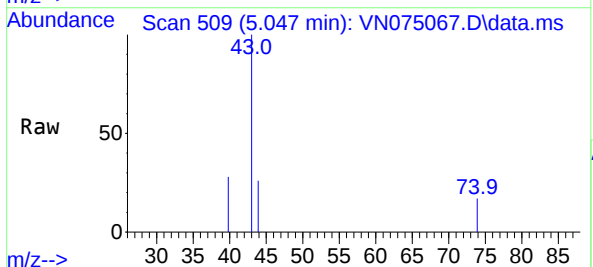
Instrument :
MSVOA_N
ClientSampleId :
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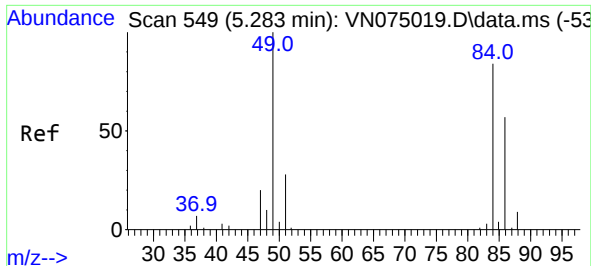
Tgt Ion: 43 Resp: 13004
Ion Ratio Lower Upper
43 100
58 34.8 25.5 38.3



#18
Methyl Acetate
Concen: 1.145 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.005 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

Tgt Ion: 43 Resp: 2200
Ion Ratio Lower Upper
43 100
74 10.5 22.0 33.0#

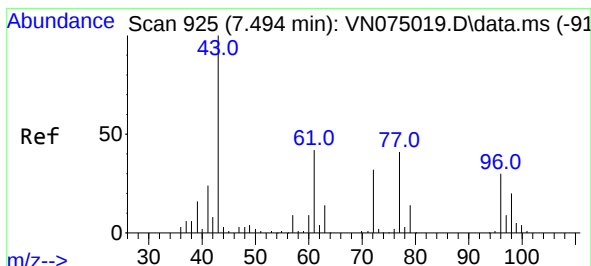
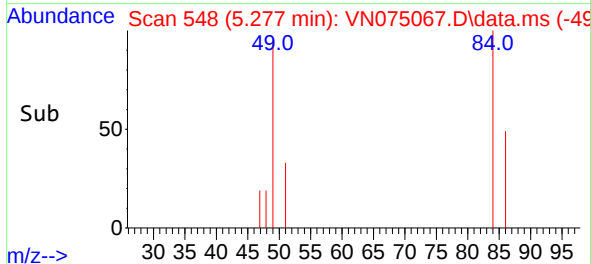
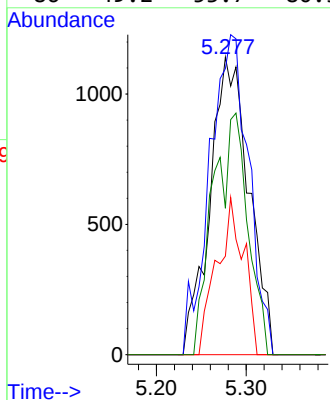
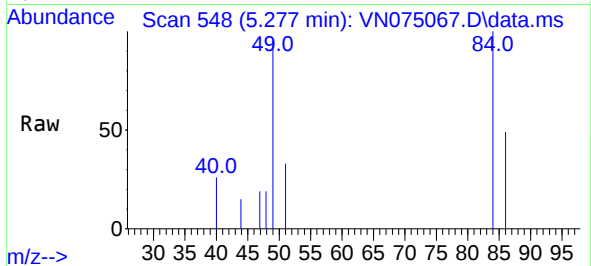




#20
Methylene Chloride
Concen: 2.633 ug/l
RT: 5.277 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

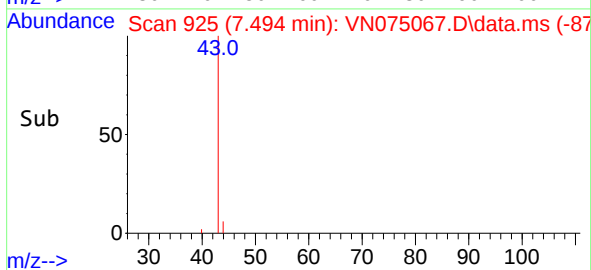
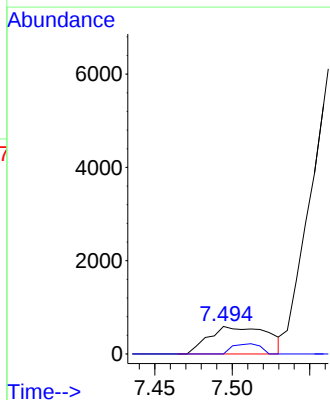
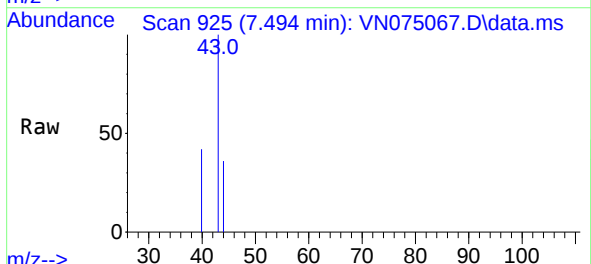
Instrument :
MSVOA_N
ClientSampleId :
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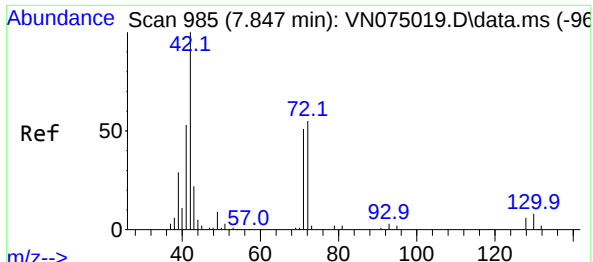
Tgt Ion:	84	Resp:	3454
Ion	Ratio	Lower	Upper
84	100		
49	96.1	94.9	142.3
51	33.1	26.8	40.2
86	49.2	53.7	80.5



#25
2-Butanone
Concen: 1.693 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.000 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

Tgt Ion:	43	Resp:	1567
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.5	38.3

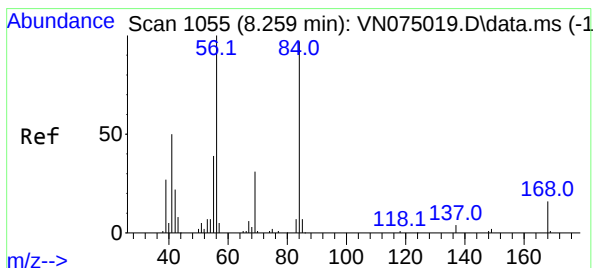
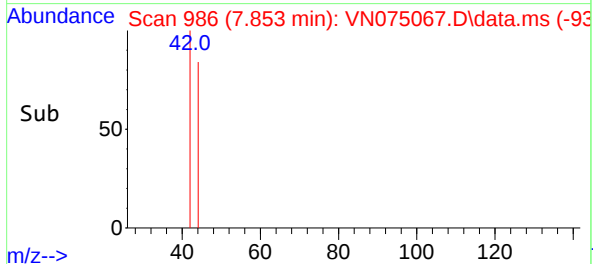
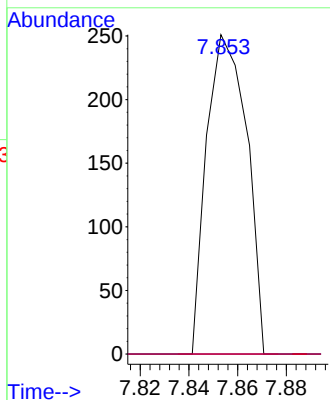
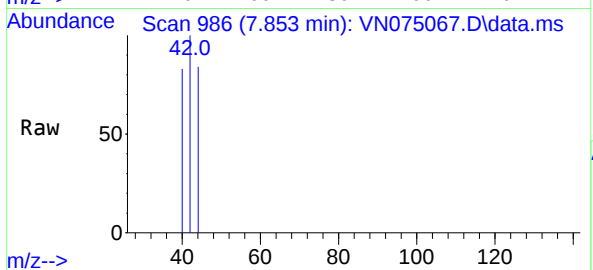




#29
Tetrahydrofuran
Concen: 0.480 ug/l
RT: 7.853 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

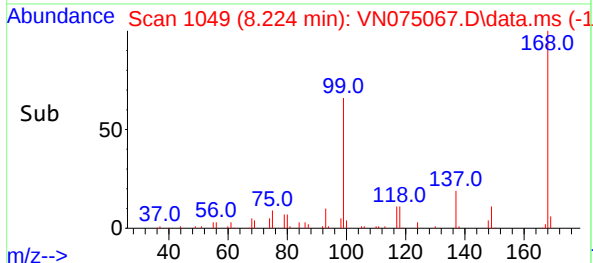
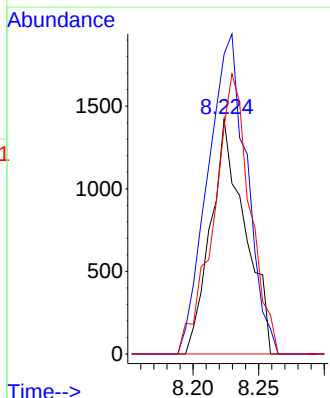
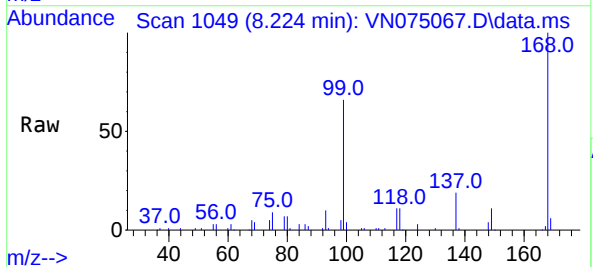
Instrument :
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ClientSampleId :
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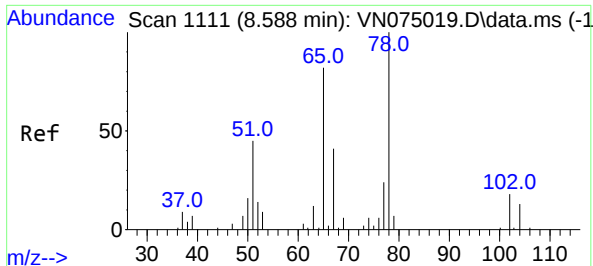
Tgt Ion: 42 Resp: 287
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#



#31
Cyclohexane
Concen: 1.244 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

Tgt Ion: 56 Resp: 2571
Ion Ratio Lower Upper
56 100
69 127.7 25.2 37.8#
84 96.8 77.8 116.8

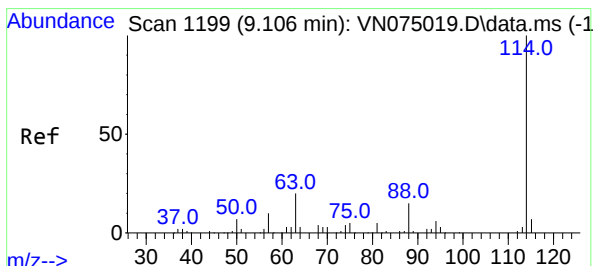
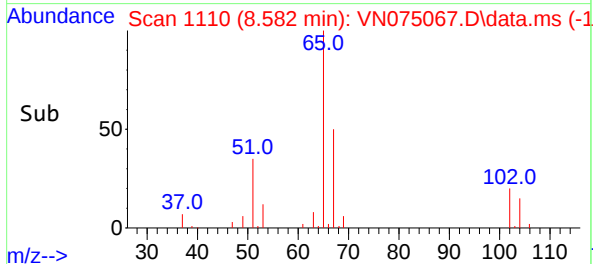
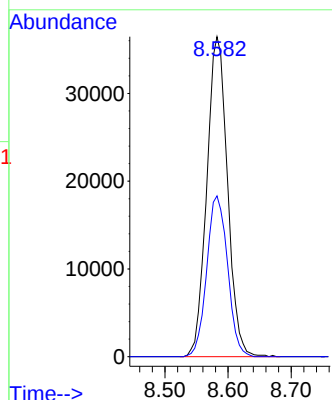
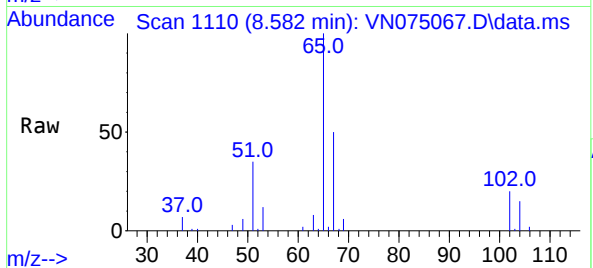




#33
1,2-Dichloroethane-d4
Concen: 59.751 ug/l
RT: 8.582 min Scan# 1111
Delta R.T. -0.006 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

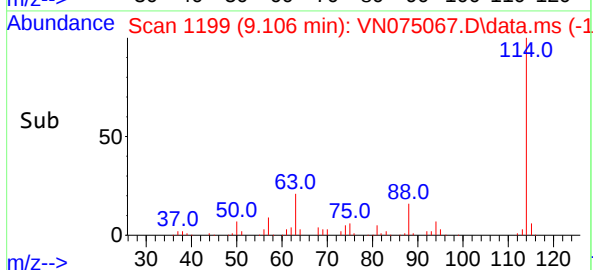
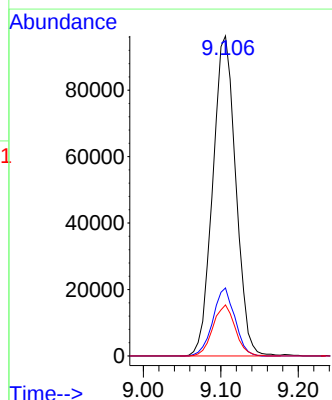
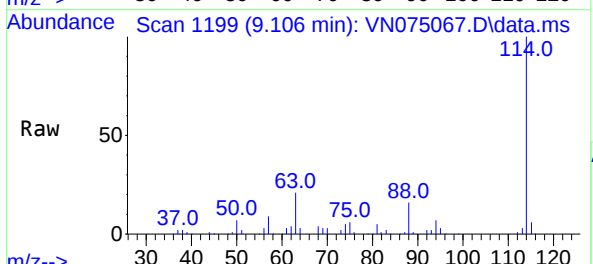
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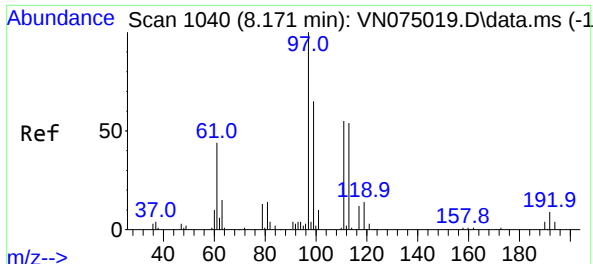
Tgt Ion: 65 Resp: 83018
Ion Ratio Lower Upper
65 100
67 50.5 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

Tgt Ion: 114 Resp: 198777
Ion Ratio Lower Upper
114 100
63 21.3 0.0 39.6
88 16.0 0.0 29.0

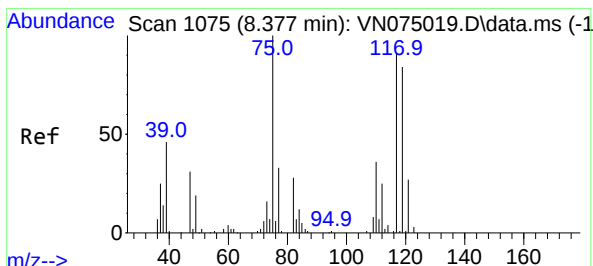
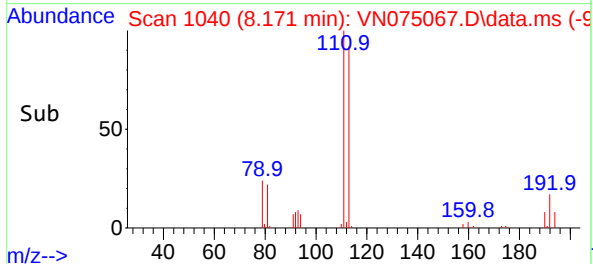
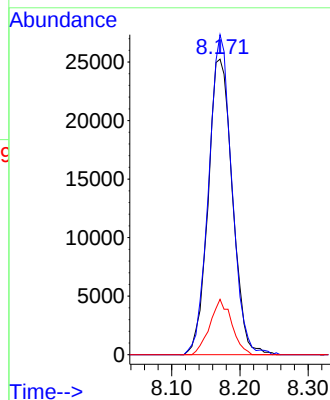
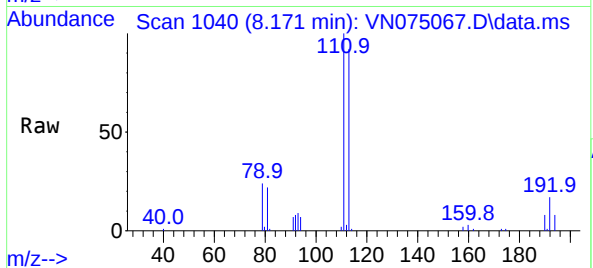




#35
Dibromofluoromethane
Concen: 53.623 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

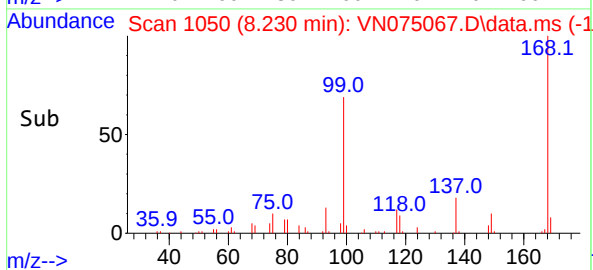
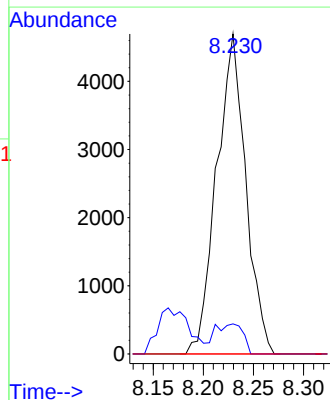
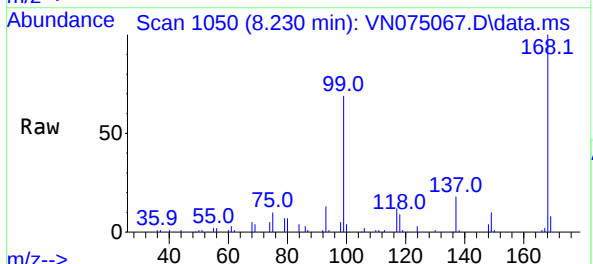
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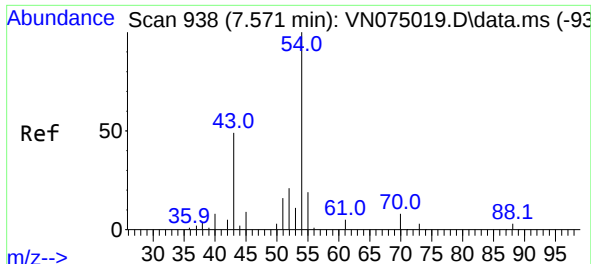
Tgt Ion:113 Resp: 62574
Ion Ratio Lower Upper
113 100
111 103.0 80.5 120.7
192 16.8 13.2 19.8



#36
1,1-Dichloropropene
Concen: 5.241 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

Tgt Ion: 75 Resp: 9469
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.3#
77 0.0 24.6 37.0#

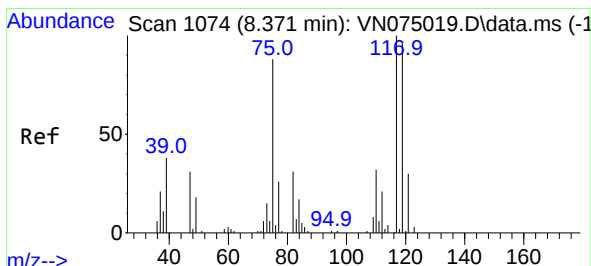
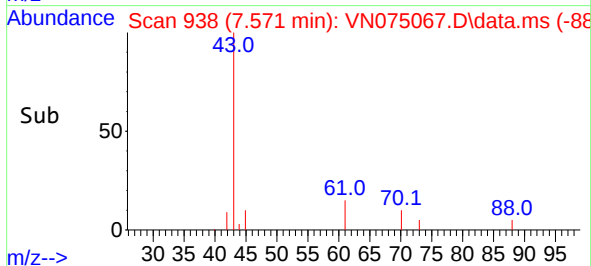
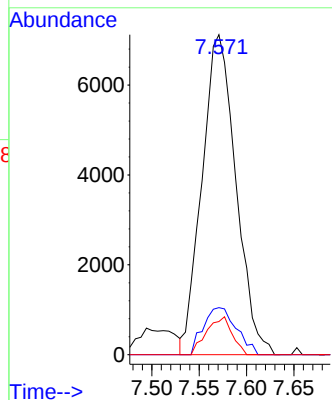
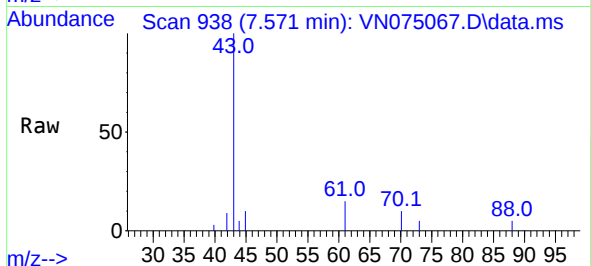




#37
Ethyl Acetate
Concen: 8.953 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

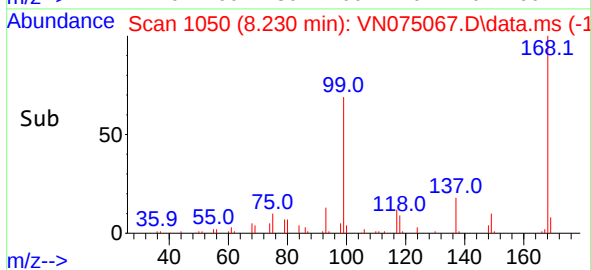
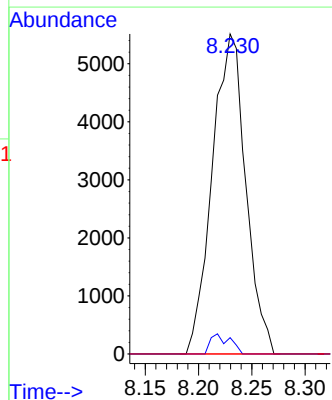
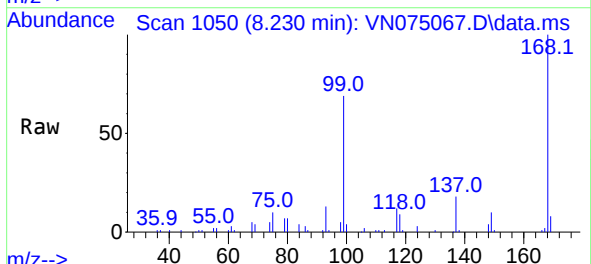
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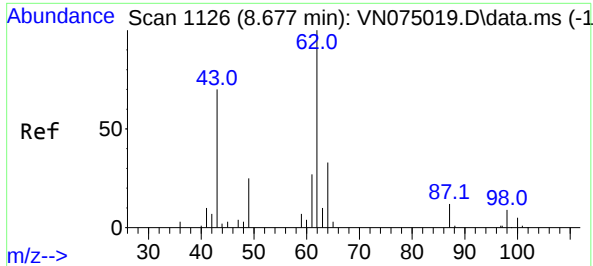
Tgt Ion: 43 Resp: 17738
Ion Ratio Lower Upper
43 100
61 14.3 12.2 18.4
70 8.9 9.4 14.2#



#38
Carbon Tetrachloride
Concen: 6.062 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

Tgt Ion: 117 Resp: 12047
Ion Ratio Lower Upper
117 100
119 5.1 76.7 115.1#
121 0.0 23.9 35.9#

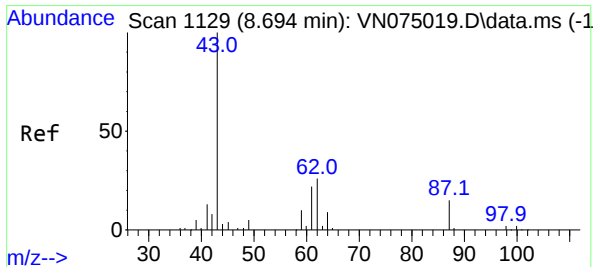
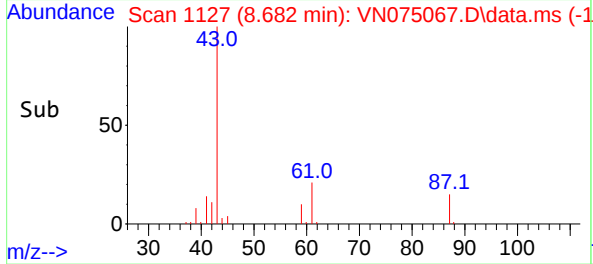
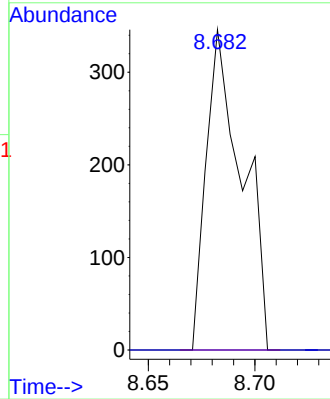
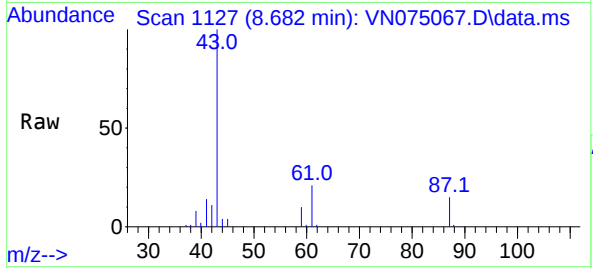




#42
1,2-Dichloroethane
Concen: 0.202 ug/l
RT: 8.682 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

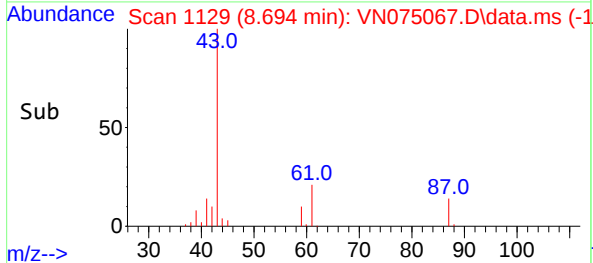
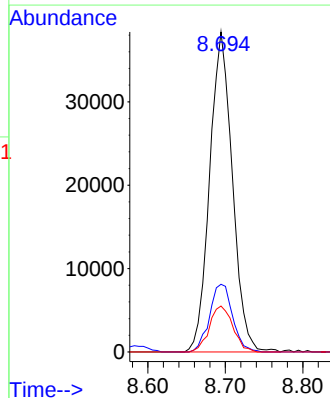
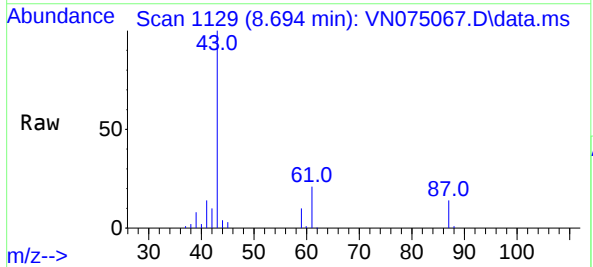
Instrument :
MSVOA_N
ClientSampleId :
PB148605TB

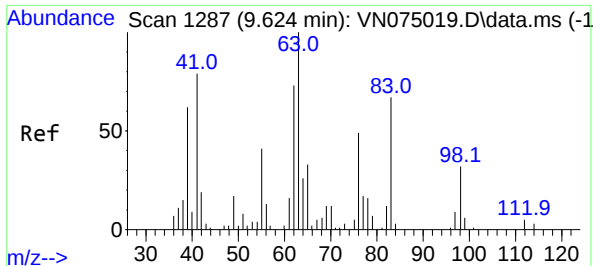
Tgt Ion: 62 Resp: 407
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2



#43
Isopropyl Acetate
Concen: 25.464 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

Tgt Ion: 43 Resp: 78257
Ion Ratio Lower Upper
43 100
61 21.4 22.4 33.6#
87 14.9 12.5 18.7

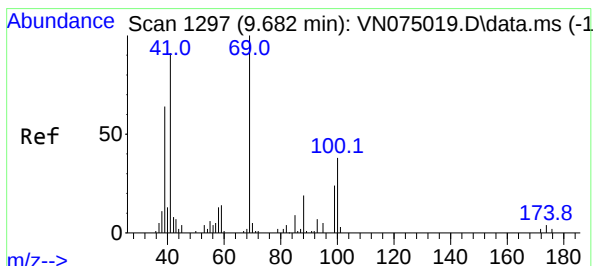
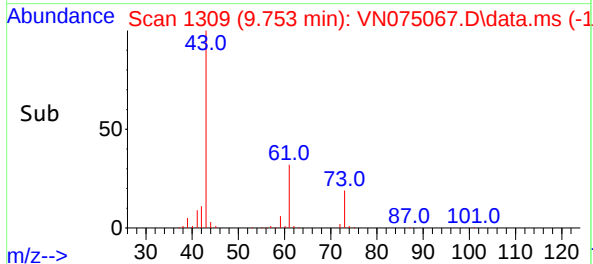
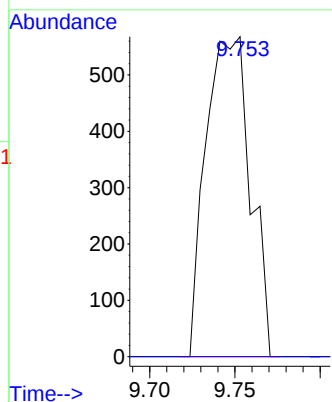
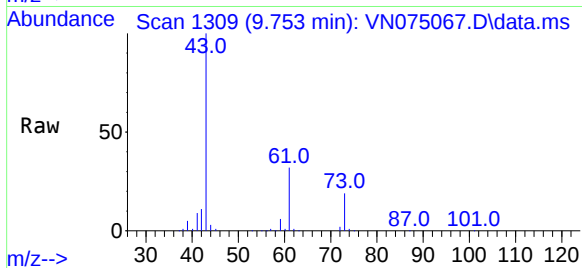




#45
1,2-Dichloropropane
Concen: 0.785 ug/l
RT: 9.753 min Scan# 11
Delta R.T. 0.129 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

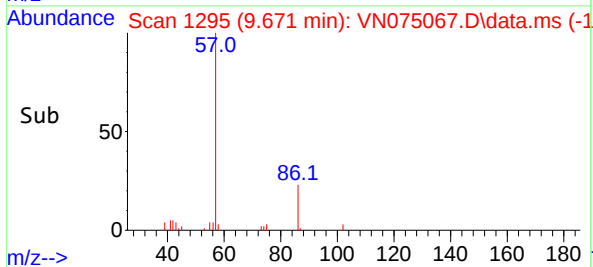
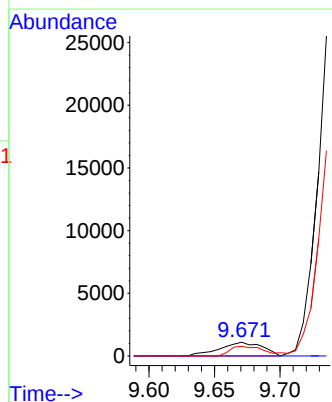
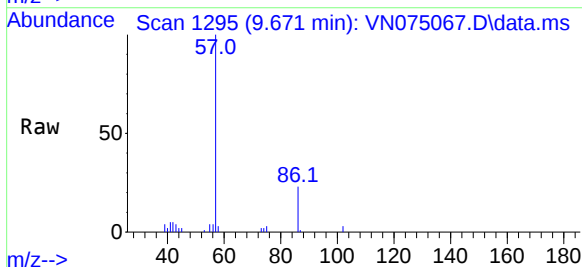
Instrument :
MSVOA_N
ClientSampleId :
PB148605TB

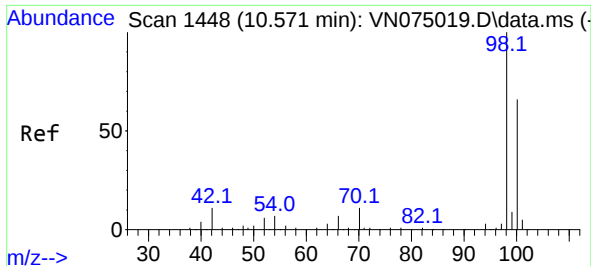
Tgt Ion: 63 Resp: 1034
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



#48
Methyl methacrylate
Concen: 1.749 ug/l
RT: 9.671 min Scan# 1295
Delta R.T. -0.011 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

Tgt Ion: 41 Resp: 2465
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 59.9 56.2 84.2

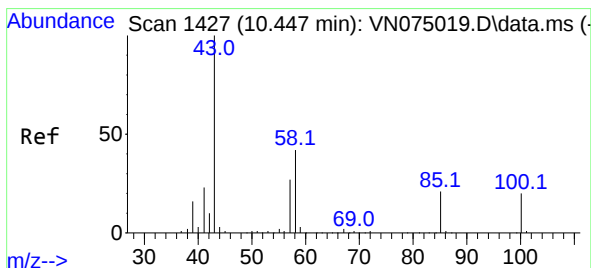
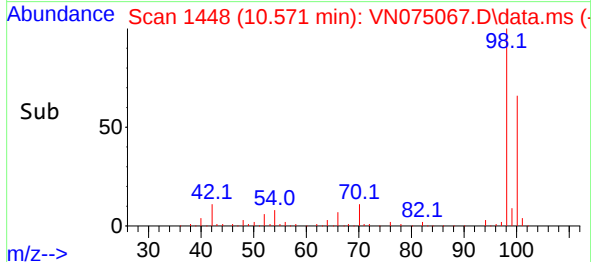
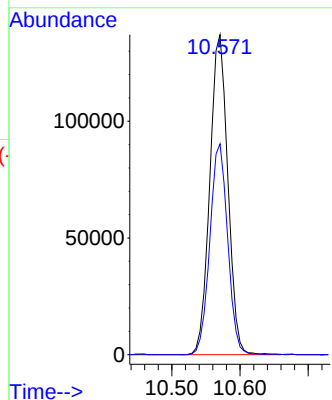
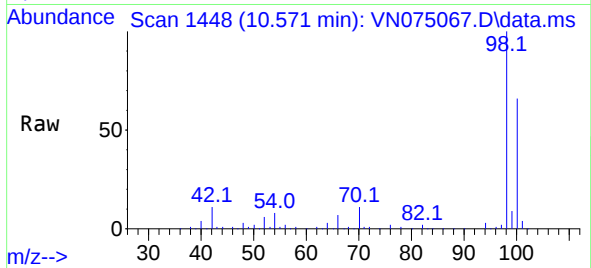




#50
Toluene-d8
Concen: 55.672 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

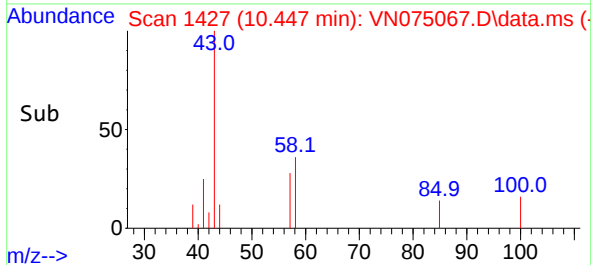
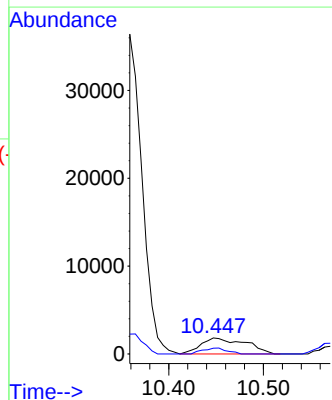
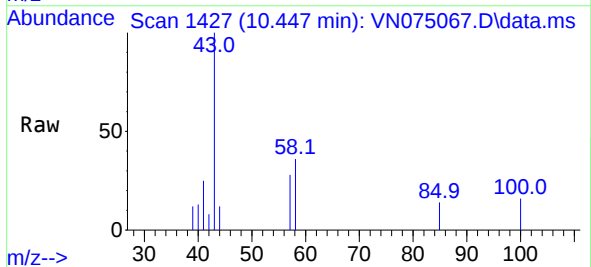
Instrument :
MSVOA_N
ClientSampleId :
PB148605TB

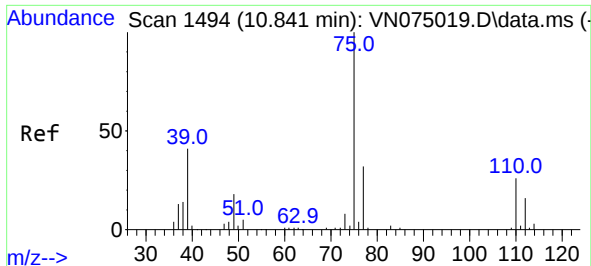
Tgt Ion: 98 Resp: 252048
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 3.035 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

Tgt Ion: 43 Resp: 6018
Ion Ratio Lower Upper
43 100
58 20.0 33.6 50.4#

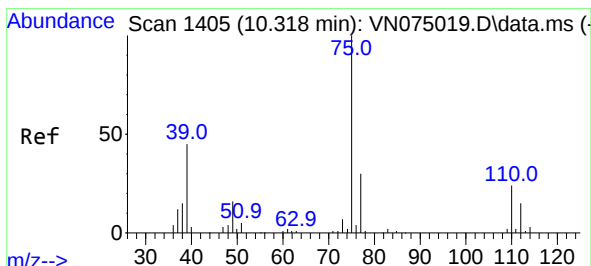
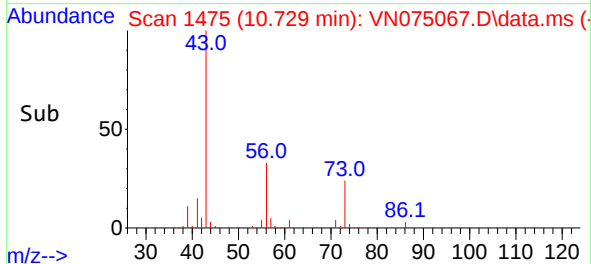
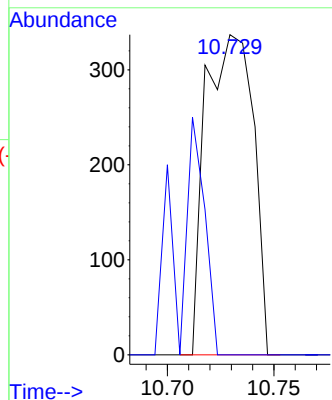
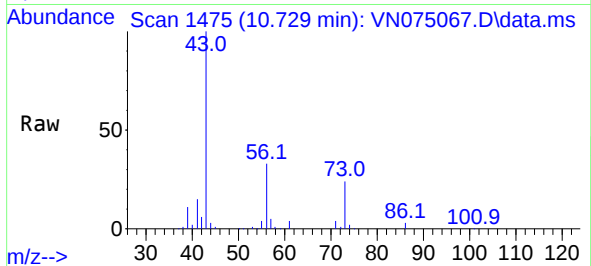




#53
t-1,3-Dichloropropene
Concen: 0.250 ug/l
RT: 10.729 min Scan# 1412
Delta R.T. -0.112 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

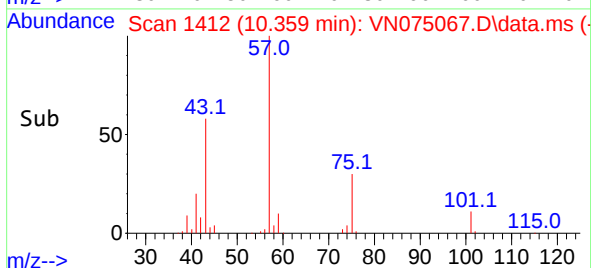
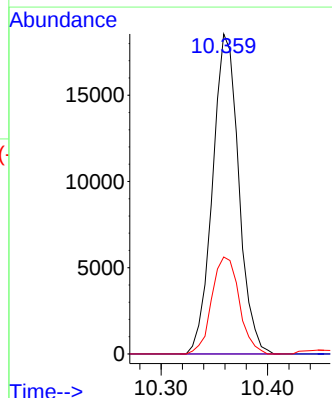
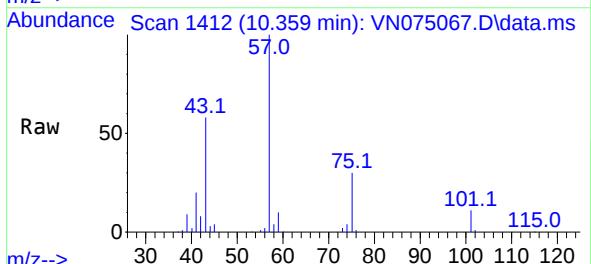
Instrument :
MSVOA_N
ClientSampleId :
PB148605TB

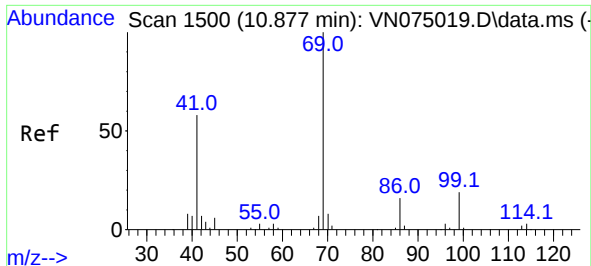
Tgt Ion: 75 Resp: 525
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 14.240 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.041 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

Tgt Ion: 75 Resp: 31663
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 30.3 35.8 53.6#

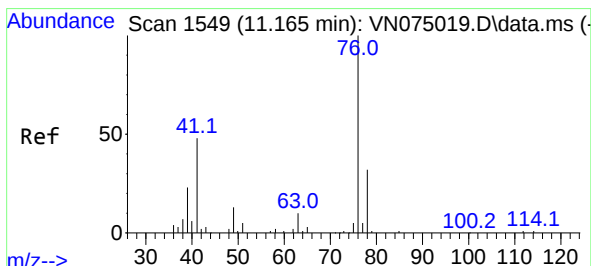
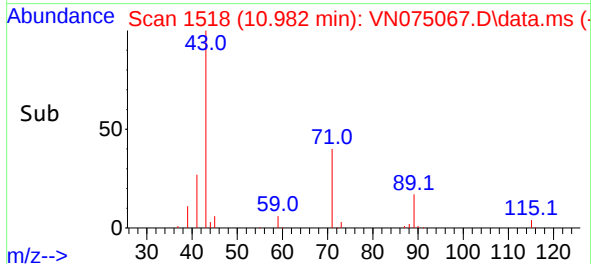
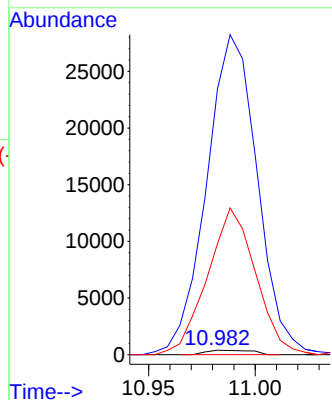
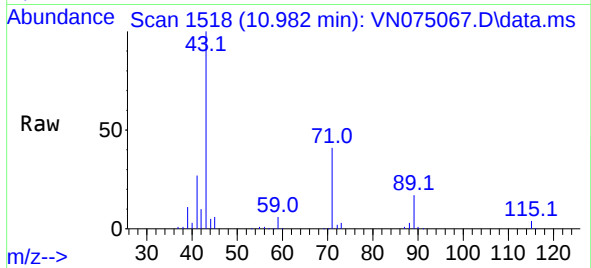




#56
Ethyl methacrylate
Concen: 0.262 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

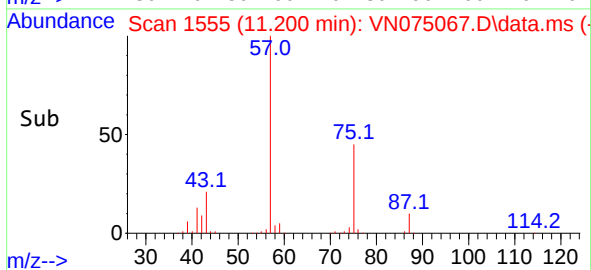
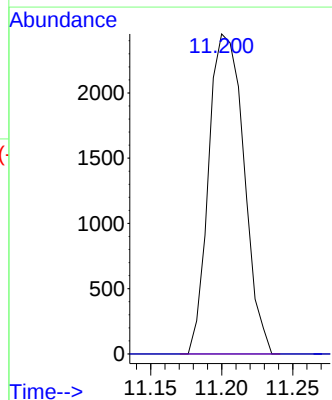
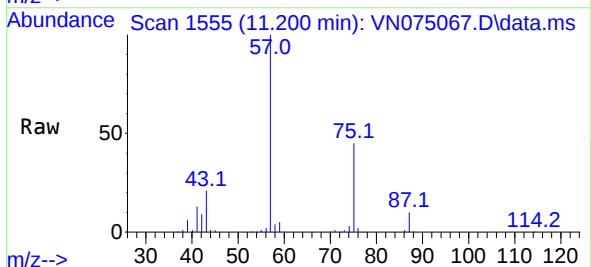
Instrument :
MSVOA_N
ClientSampleId :
PB148605TB

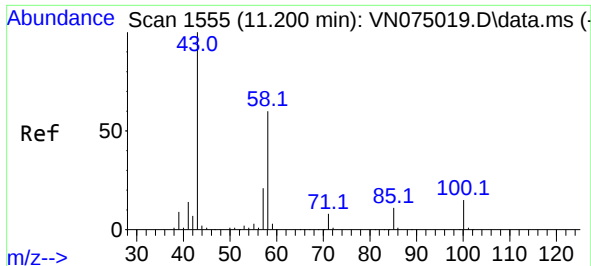
Tgt Ion: 69 Resp: 585
Ion Ratio Lower Upper
69 100
41 8036.4 45.6 68.4#
39 3502.1 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.729 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

Tgt Ion: 76 Resp: 4221
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

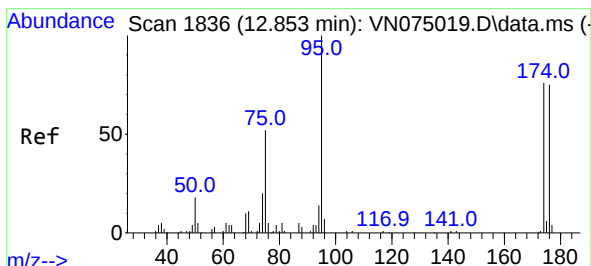
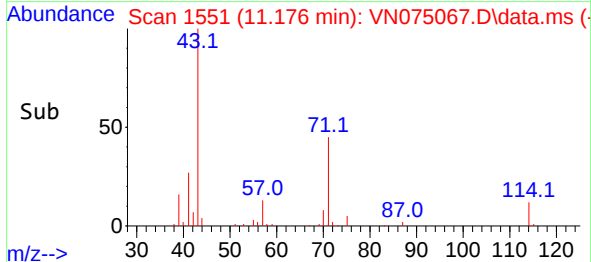
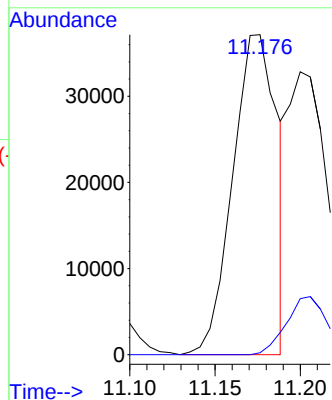
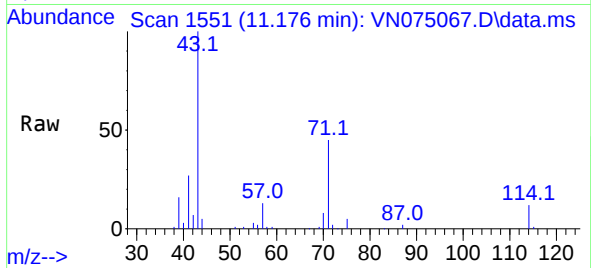




#59
2-Hexanone
Concen: 44.752 ug/l
RT: 11.176 min Scan# 1151
Delta R.T. -0.024 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

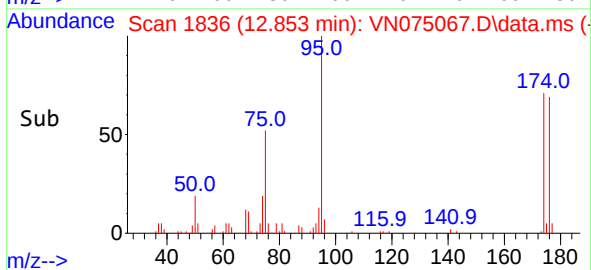
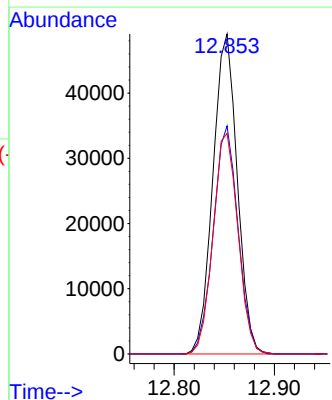
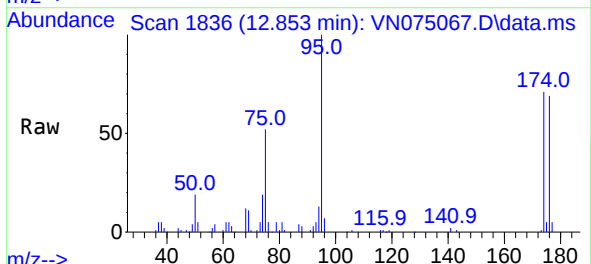
Instrument :
MSVOA_N
ClientSampleId :
PB148605TB

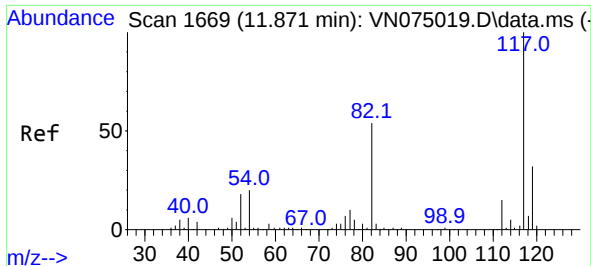
Tgt Ion: 43 Resp: 67358
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 52.067 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

Tgt Ion: 95 Resp: 82805
Ion Ratio Lower Upper
95 100
174 72.1 0.0 147.4
176 70.2 0.0 142.2

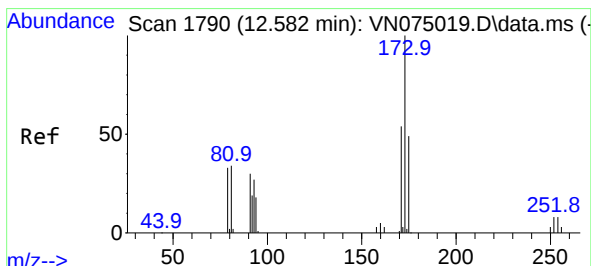
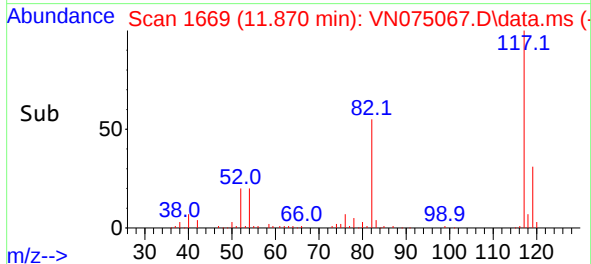
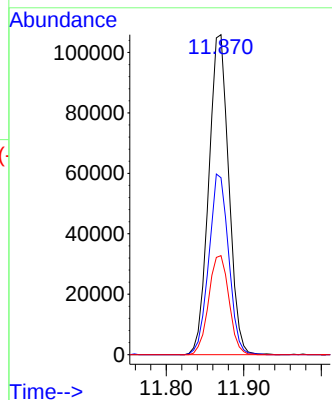
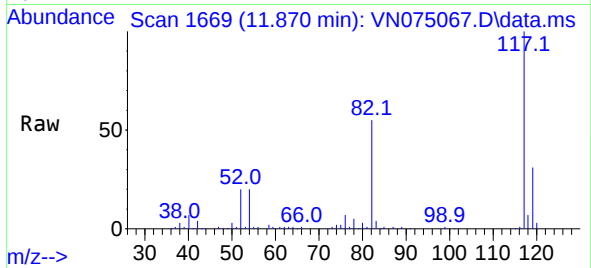




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

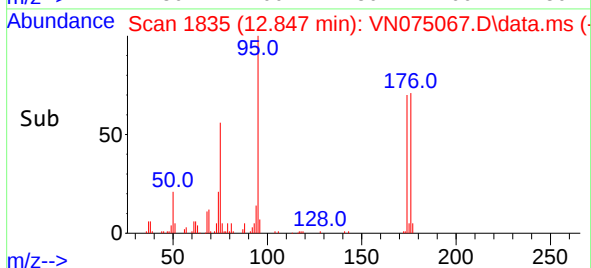
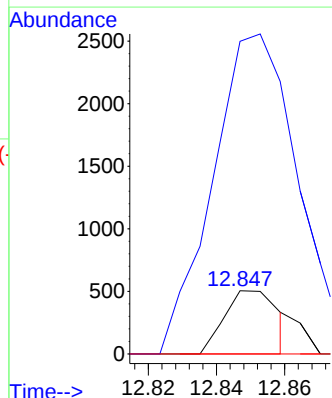
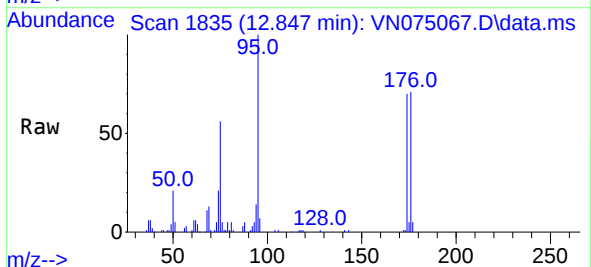
Instrument :
MSVOA_N
ClientSampleId :
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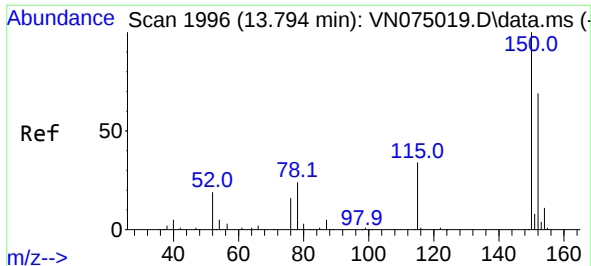
Tgt Ion:117 Resp: 189655
Ion Ratio Lower Upper
117 100
82 55.3 43.1 64.7
119 31.0 25.5 38.3



#71
Bromoform
Concen: 0.495 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

Tgt Ion:173 Resp: 557
Ion Ratio Lower Upper
173 100
175 651.5 24.6 74.0#
254 0.0 0.0 0.0

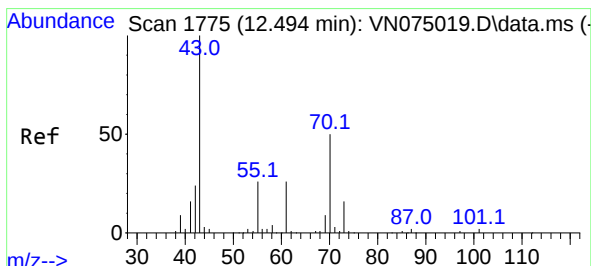
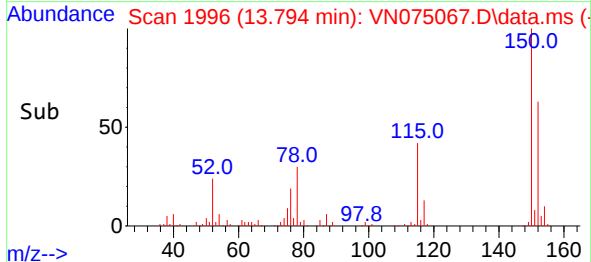
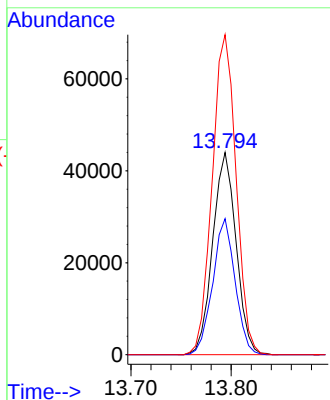
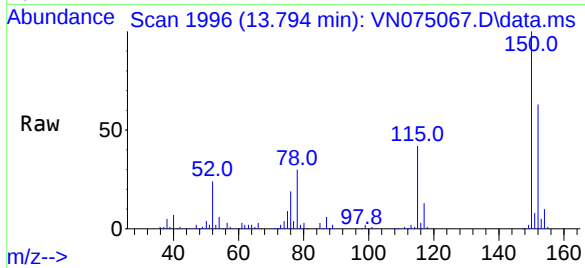




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

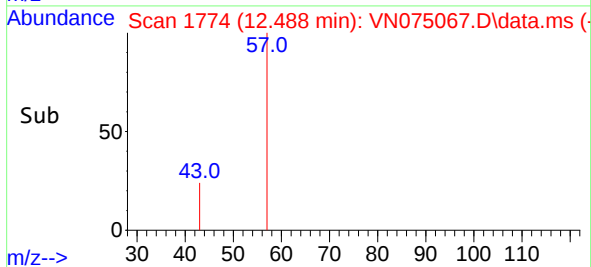
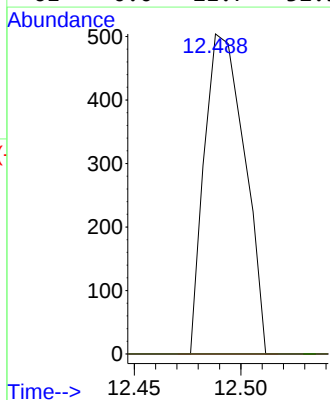
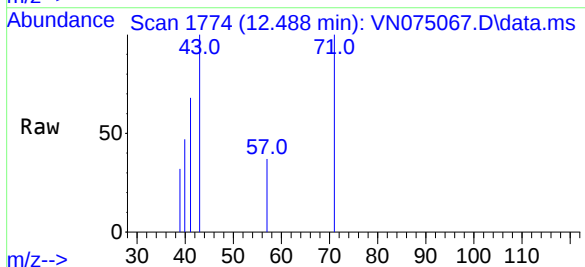
Instrument :
MSVOA_N
ClientSampleId :
PB148605TB

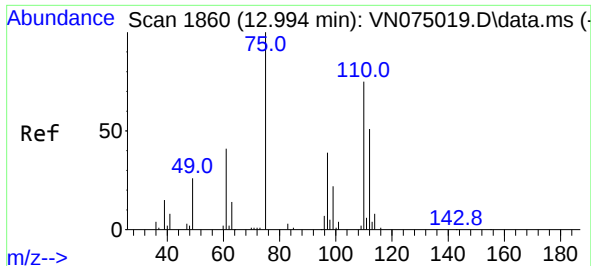
Tgt Ion:152 Resp: 71359
Ion Ratio Lower Upper
152 100
115 64.4 30.2 90.6
150 161.5 0.0 348.4



#74
N-ethyl acetate
Concen: 0.311 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

Tgt Ion: 43 Resp: 660
Ion Ratio Lower Upper
43 100
70 0.0 39.8 59.8#
55 0.0 19.9 29.9#
61 0.0 21.7 32.5#

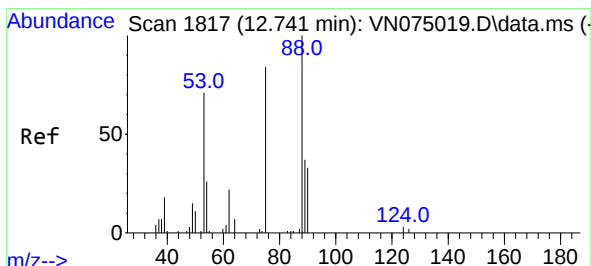
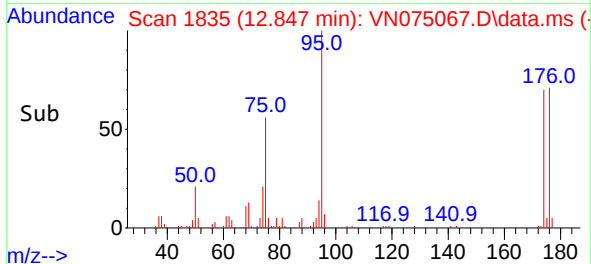
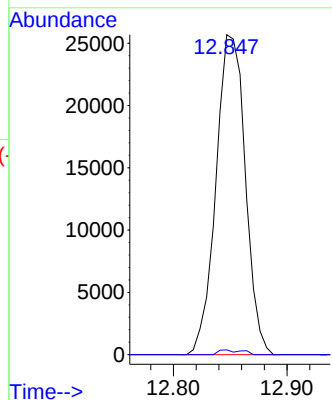
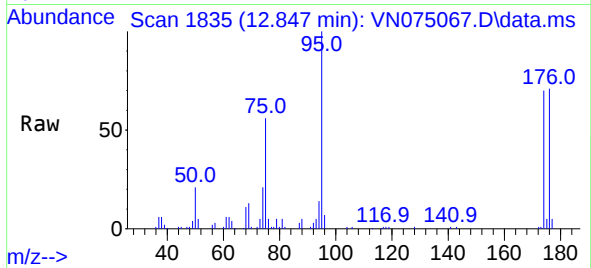




#76
1,2,3-Trichloropropane
Concen: 30.426 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

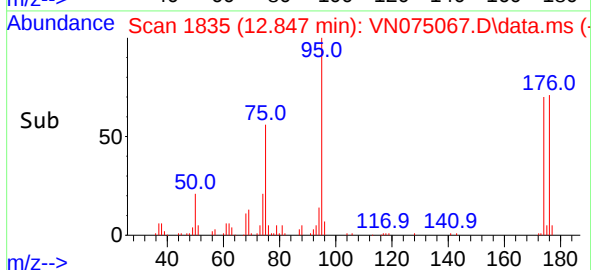
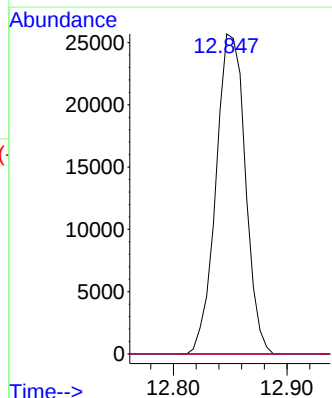
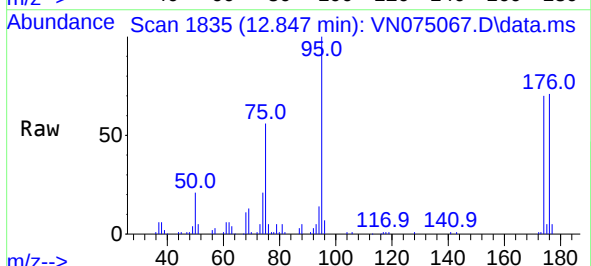
Instrument :
MSVOA_N
ClientSampleId :
PB148605TB

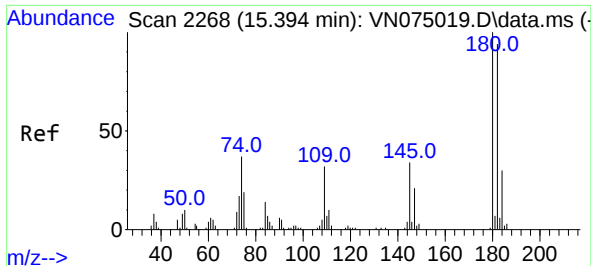
Tgt Ion: 75 Resp: 46099
Ion Ratio Lower Upper
75 100
77 1.2 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.102 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

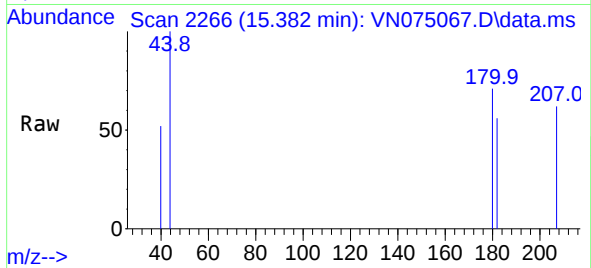
Tgt Ion: 75 Resp: 46099
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



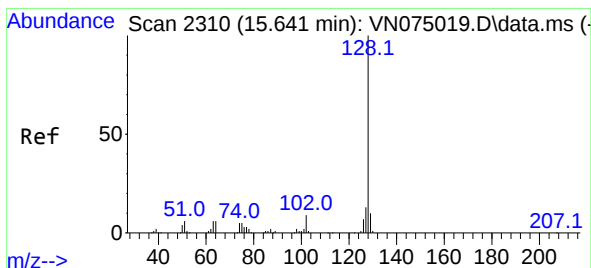
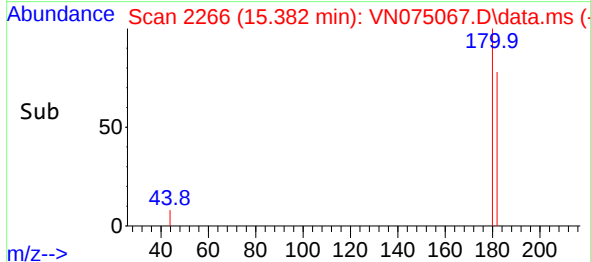
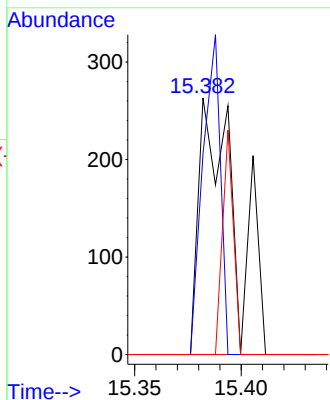


#93
1,2,4-Trichlorobenzene
Concen: 0.299 ug/l
RT: 15.382 min Scan# 210
Delta R.T. -0.012 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

Instrument :
MSVOA_N
ClientSampleId :
PB148605TB

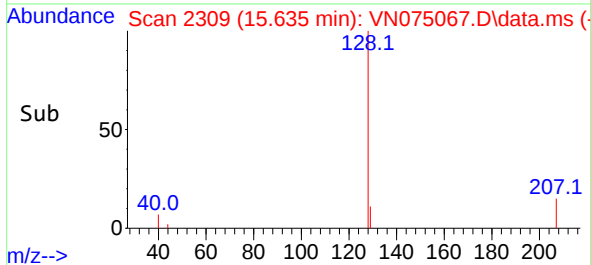
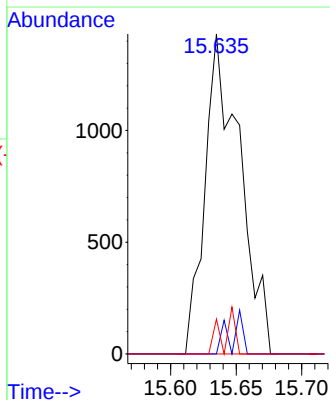
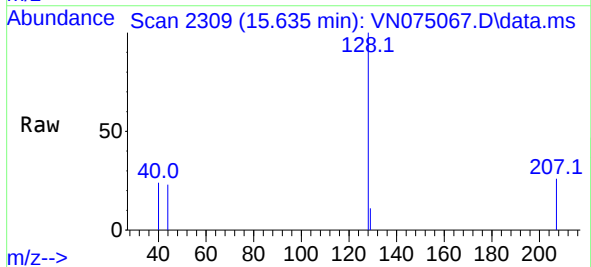


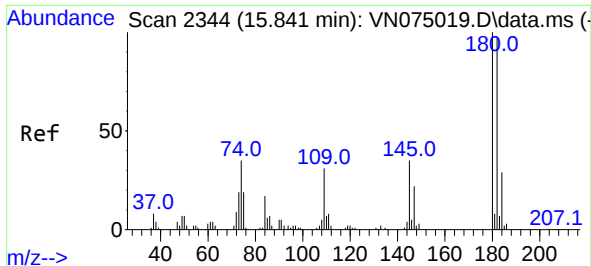
Tgt Ion:180 Resp: 316
Ion Ratio Lower Upper
180 100
182 59.5 47.8 143.4
145 25.6 16.8 50.3



#95
Naphthalene
Concen: 0.651 ug/l
RT: 15.635 min Scan# 2309
Delta R.T. -0.006 min
Lab File: VN075067.D
Acq: 28 Oct 2022 17:48

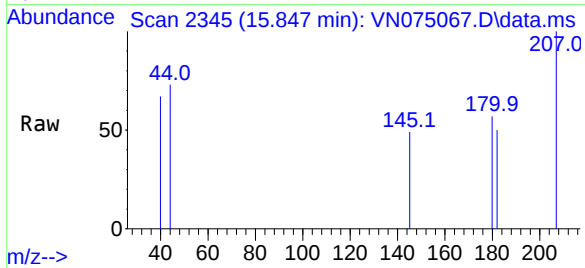
Tgt Ion:128 Resp: 2644
Ion Ratio Lower Upper
128 100
127 2.0 10.4 15.6#
129 2.1 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.325 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN075067.D
 Acq: 28 Oct 2022 17:48

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148605TB



Tgt Ion:180 Resp: 341
 Ion Ratio Lower Upper
 180 100
 182 142.8 47.3 141.8#
 145 20.2 17.6 52.9

