

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041323\
 Data File : VN077335.D
 Acq On : 13 Apr 2023 17:52
 Operator : JC\MD
 Sample : PB152070ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152070ZHE#07

Quant Time: Apr 14 07:25:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

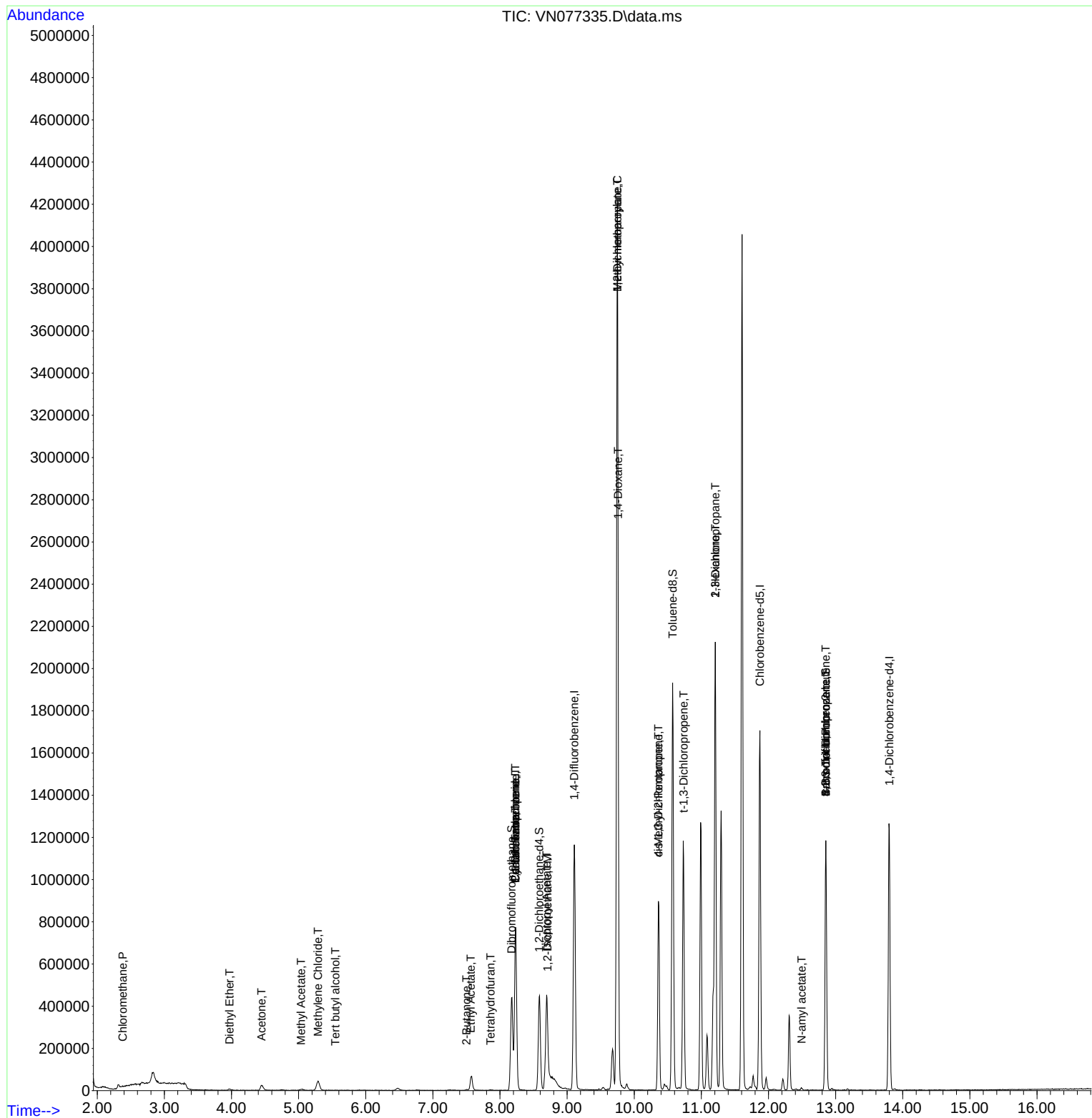
Internal Standards						
1) Pentafluorobenzene	8.231	168	547681	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1080138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	1001041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.801	152	341374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	347108	46.372	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.740%		
35) Dibromofluoromethane	8.172	113	321558	46.503	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.000%		
50) Toluene-d8	10.572	98	1347302	48.401	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.800%		
62) 4-Bromofluorobenzene	12.854	95	414444	44.766	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.540%		
Target Compounds						Qvalue
3) Chloromethane	2.378	50	1855	0.214	ug/l #	68
8) Diethyl Ether	3.972	74	4113	0.964	ug/l	78
11) Tert butyl alcohol	5.548	59	786	0.515	ug/l #	91
16) Acetone	4.449	43	44652	16.179	ug/l	90
18) Methyl Acetate	5.037	43	9827	0.935	ug/l	91
20) Methylene Chloride	5.290	84	39199	5.029	ug/l	88
25) 2-Butanone	7.501	43	4687	1.046	ug/l #	75
29) Tetrahydrofuran	7.860	42	1620	0.563	ug/l #	70
31) Cyclohexane	8.231	56	14347	1.233	ug/l #	11
36) 1,1-Dichloropropene	8.231	75	47620	4.656	ug/l #	49
37) Ethyl Acetate	7.566	43	96123	10.505	ug/l	97
38) Carbon Tetrachloride	8.231	117	62795	5.993	ug/l #	15
42) 1,2-Dichloroethane	8.707	62	3307	0.337	ug/l #	73
43) Isopropyl Acetate	8.695	43	534041	31.630	ug/l #	85
45) 1,2-Dichloropropane	9.748	63	5327	0.703	ug/l #	41
48) Methyl methacrylate	9.748	41	336053	46.657	ug/l #	33
49) 1,4-Dioxane	9.760	88	960	5.498	ug/l #	1
51) 4-Methyl-2-Pentanone	10.360	43	310607	31.826	ug/l #	44
53) t-1,3-Dichloropropene	10.736	75	3981	0.321	ug/l #	69
54) cis-1,3-Dichloropropene	10.360	75	185231	14.037	ug/l #	62
57) 1,3-Dichloropropane	11.207	76	24165	1.785	ug/l #	42
59) 2-Hexanone	11.207	43	221295	30.436	ug/l #	52
71) Bromoform	12.854	173	1522	0.259	ug/l #	1
74) N-amyl acetate	12.495	43	3489	0.278	ug/l #	41
76) 1,2,3-Trichloropropane	12.854	75	222950	27.426	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	222950	61.718	ug/l #	13

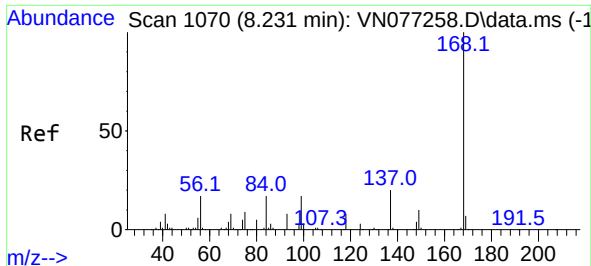
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041323\
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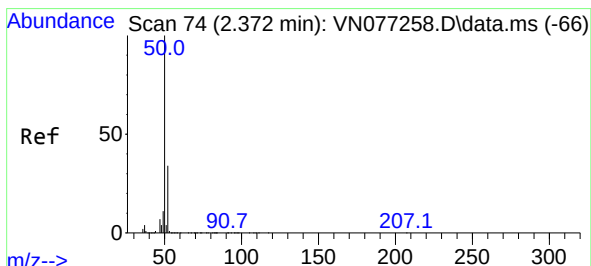
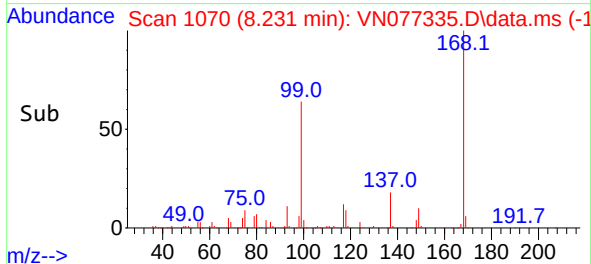
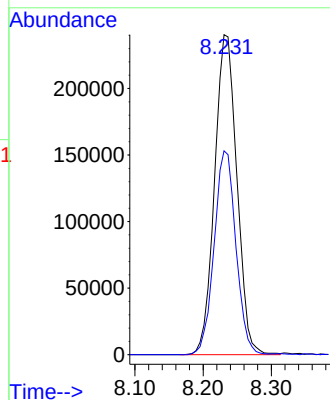
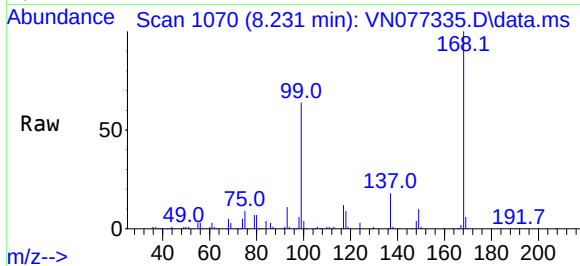




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

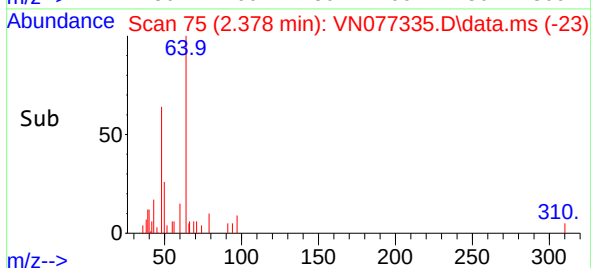
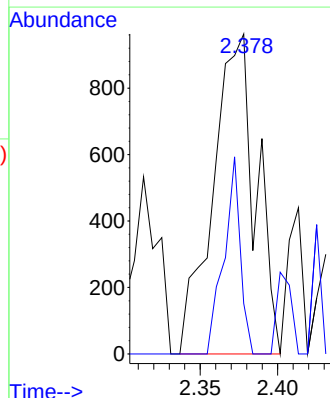
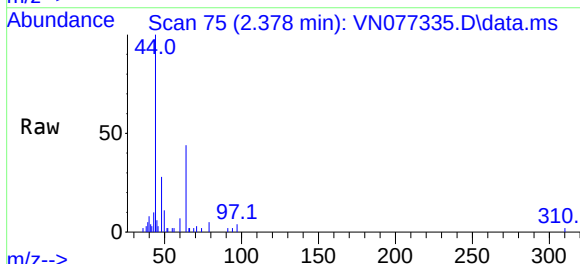
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#07

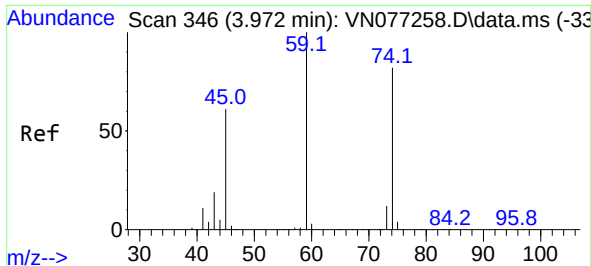
Tgt Ion:168 Resp: 547681
Ion Ratio Lower Upper
168 100
99 63.7 50.6 75.8



#3
Chloromethane
Concen: 0.214 ug/l
RT: 2.378 min Scan# 75
Delta R.T. 0.006 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

Tgt Ion: 50 Resp: 1855
Ion Ratio Lower Upper
50 100
52 15.8 27.3 40.9#

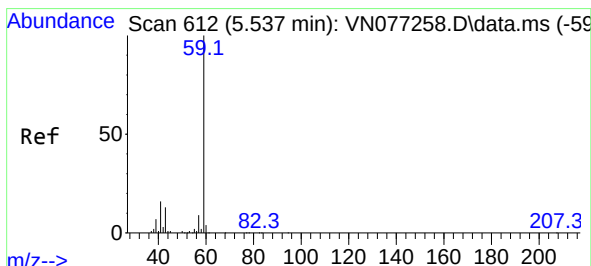
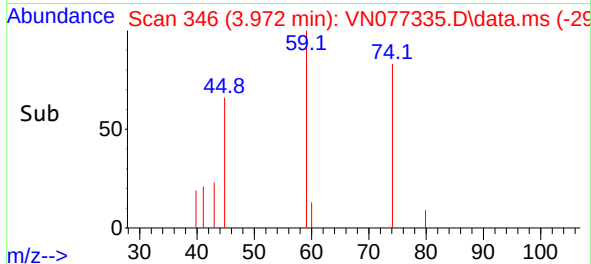
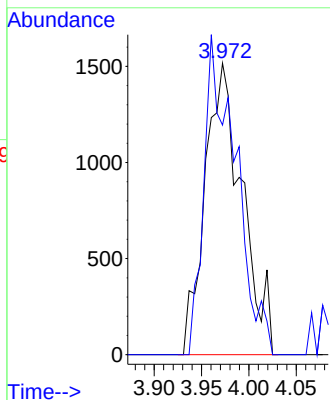
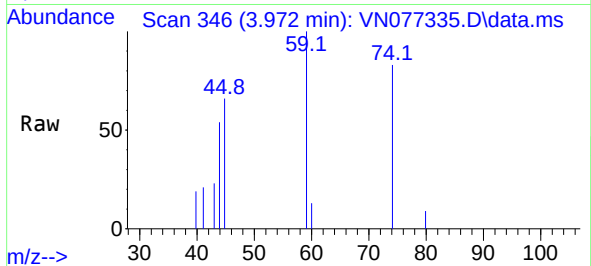




#8
Diethyl Ether
Concen: 0.964 ug/l
RT: 3.972 min Scan# 346
Delta R.T. 0.000 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

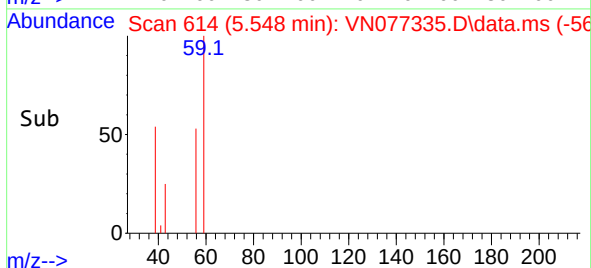
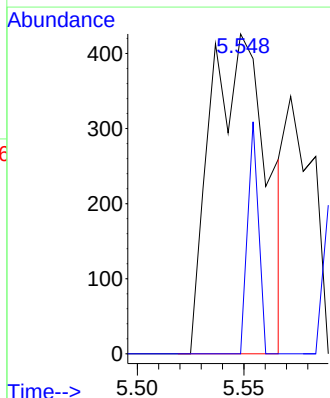
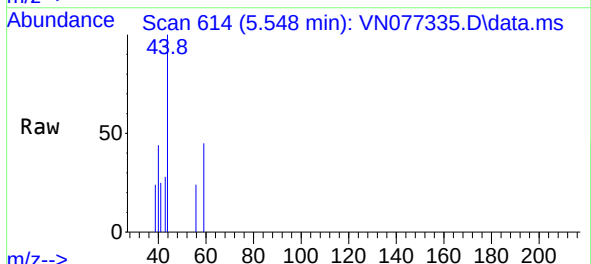
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#07

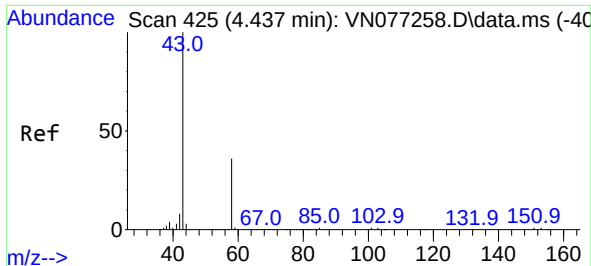
Tgt Ion: 74 Resp: 4113
Ion Ratio Lower Upper
74 100
45 94.1 37.8 113.4



#11
Tert butyl alcohol
Concen: 0.515 ug/l
RT: 5.548 min Scan# 614
Delta R.T. 0.011 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

Tgt Ion: 59 Resp: 786
Ion Ratio Lower Upper
59 100
57 13.9 8.3 12.5#

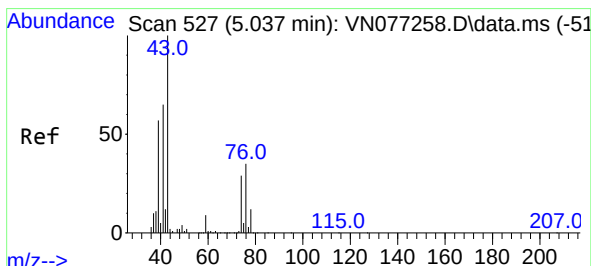
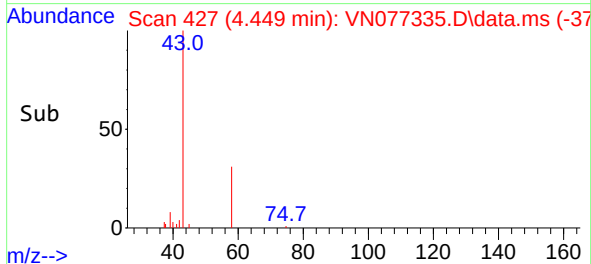
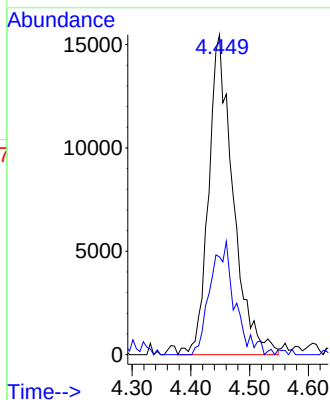
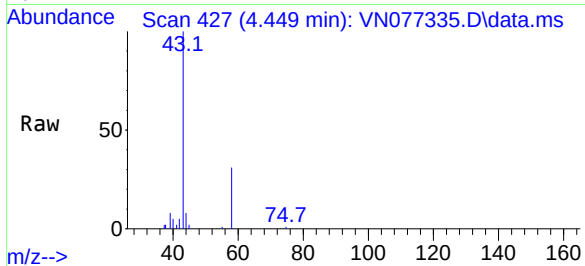




#16
Acetone
Concen: 16.179 ug/l
RT: 4.449 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

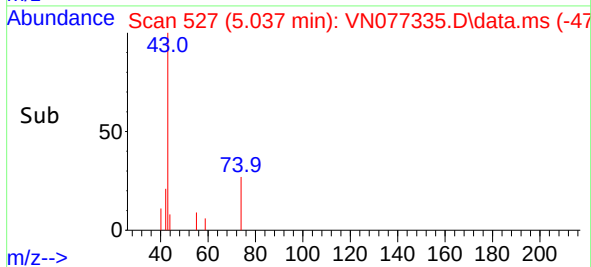
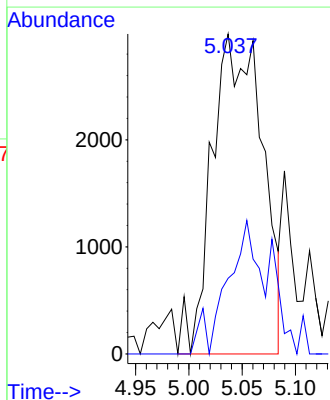
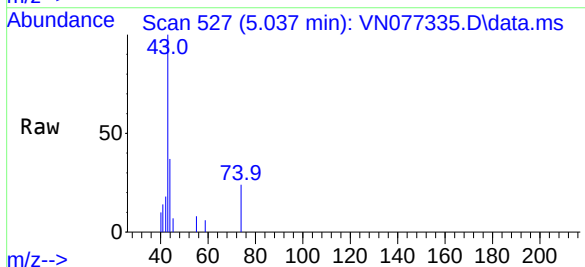
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#07

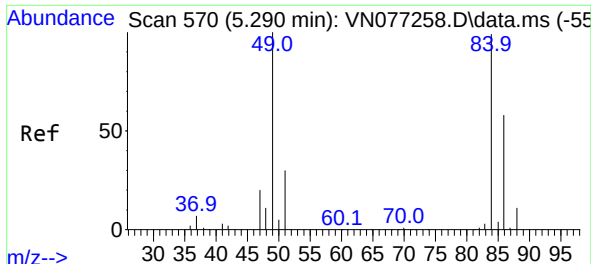
Tgt Ion: 43 Resp: 44652
Ion Ratio Lower Upper
43 100
58 30.5 29.0 43.6



#18
Methyl Acetate
Concen: 0.935 ug/l
RT: 5.037 min Scan# 527
Delta R.T. -0.000 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

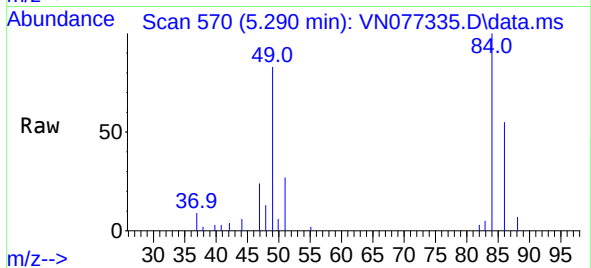
Tgt Ion: 43 Resp: 9827
Ion Ratio Lower Upper
43 100
74 24.5 23.4 35.2





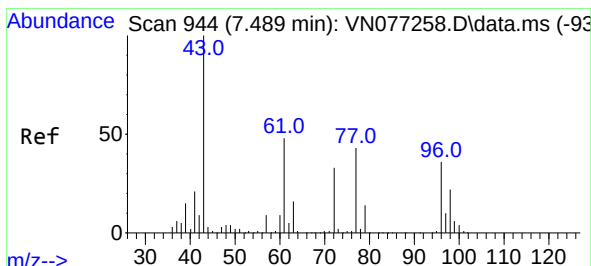
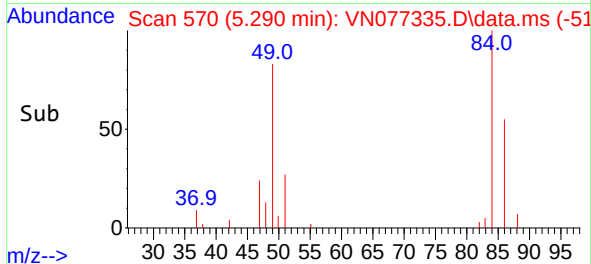
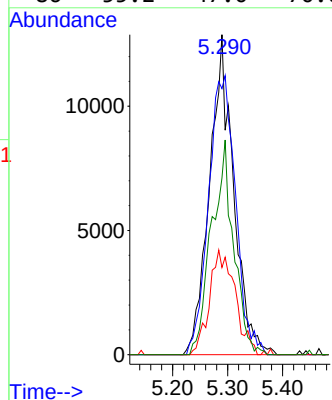
#20
Methylene Chloride
Concen: 5.029 ug/l
RT: 5.290 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#07



Tgt Ion: 84 Resp: 39199

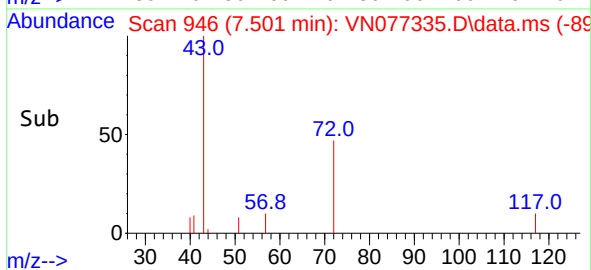
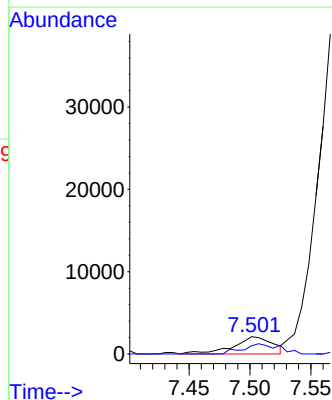
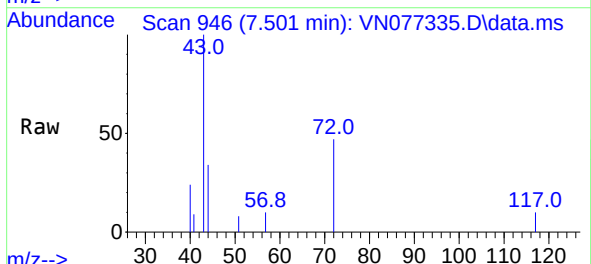
Ion	Ratio	Lower	Upper
84	100		
49	83.1	80.6	121.0
51	27.3	24.4	36.6
86	55.2	47.0	70.6

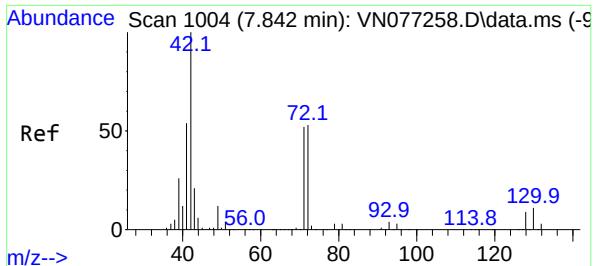


#25
2-Butanone
Concen: 1.046 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.012 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

Tgt Ion: 43 Resp: 4687

Ion	Ratio	Lower	Upper
43	100		
72	47.5	26.6	39.8#

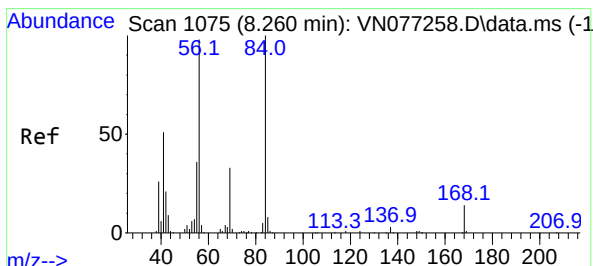
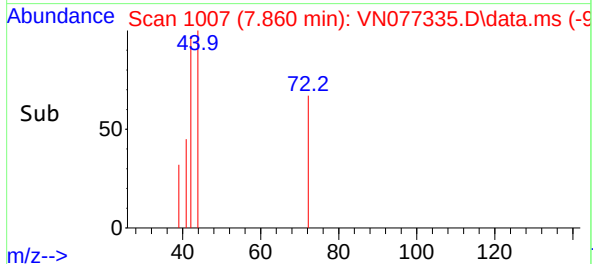
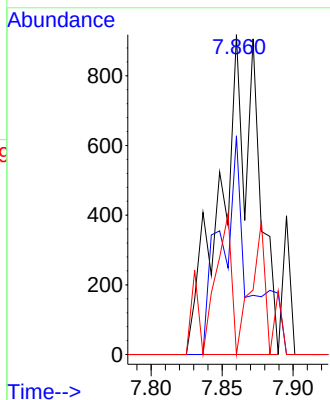
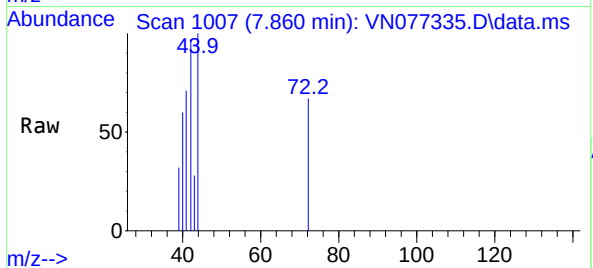




#29
Tetrahydrofuran
Concen: 0.563 ug/l
RT: 7.860 min Scan# 10
Delta R.T. 0.018 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

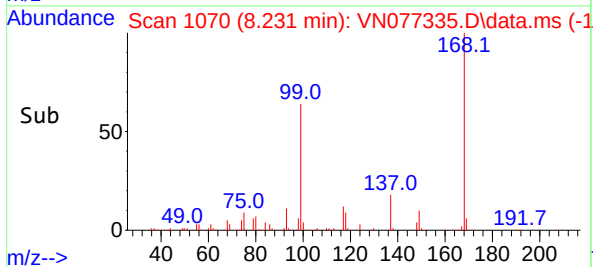
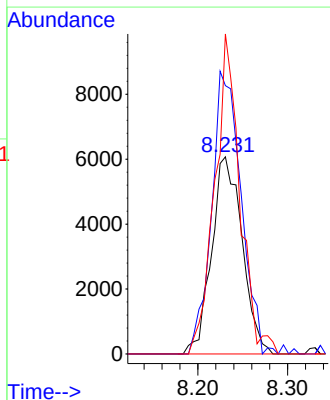
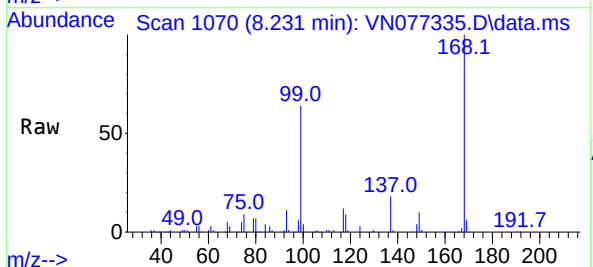
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#07

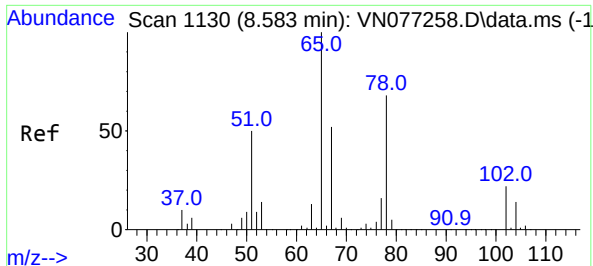
Tgt Ion: 42 Resp: 1620
Ion Ratio Lower Upper
42 100
72 45.2 44.6 66.8
71 18.8 41.3 61.9#



#31
Cyclohexane
Concen: 1.233 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

Tgt Ion: 56 Resp: 14347
Ion Ratio Lower Upper
56 100
69 136.2 26.6 40.0#
84 162.4 81.8 122.8#

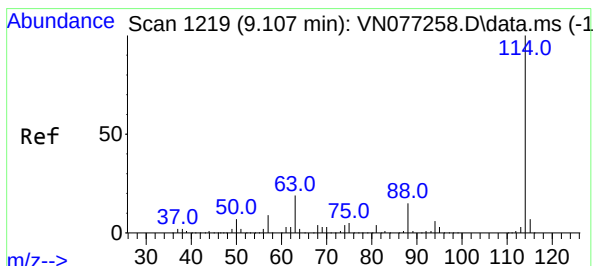
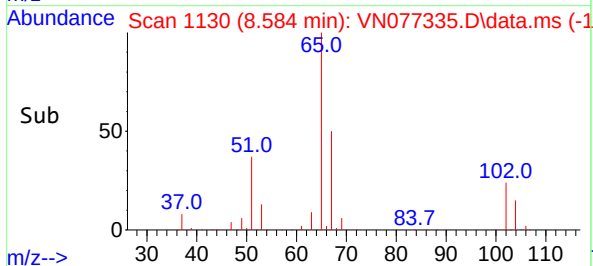
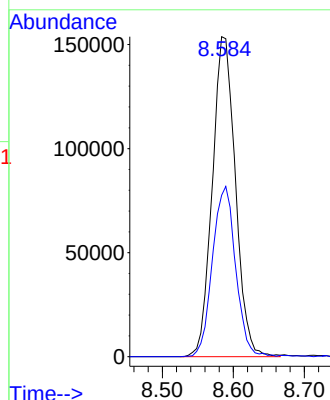
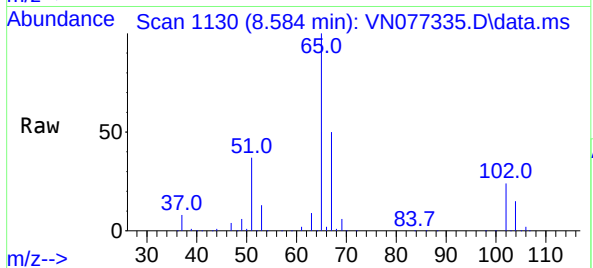




#33
1,2-Dichloroethane-d4
Concen: 46.372 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

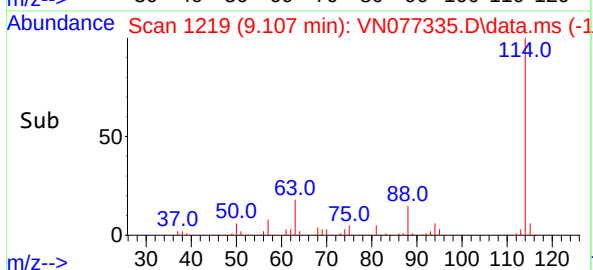
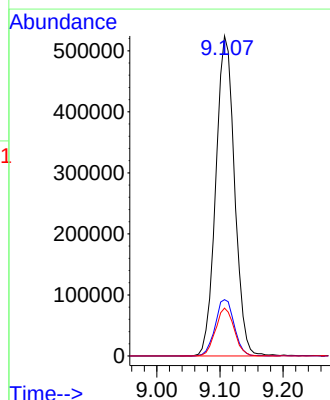
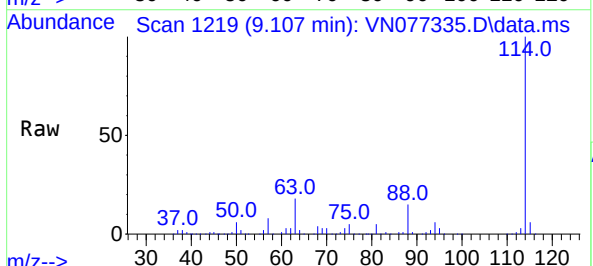
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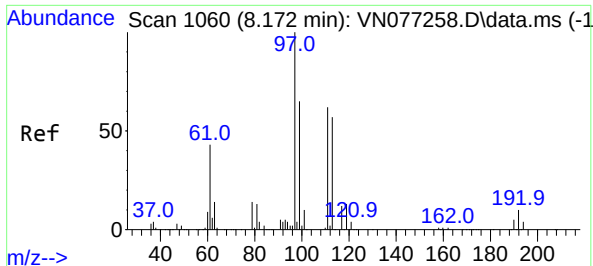
Tgt Ion: 65 Resp: 347108
Ion Ratio Lower Upper
65 100
67 53.3 0.0 108.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

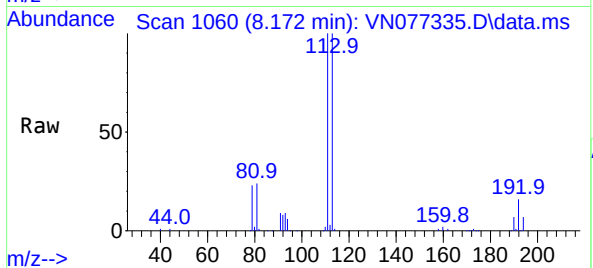
Tgt Ion: 114 Resp: 1080138
Ion Ratio Lower Upper
114 100
63 17.6 0.0 37.8
88 14.9 0.0 29.4



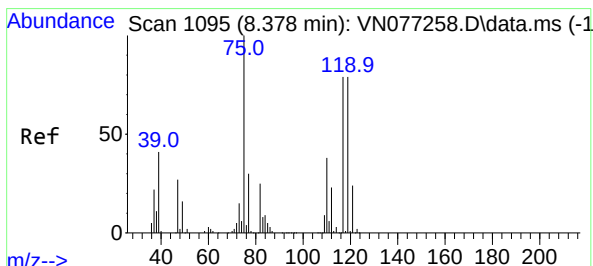
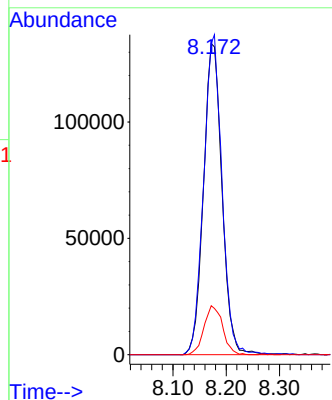
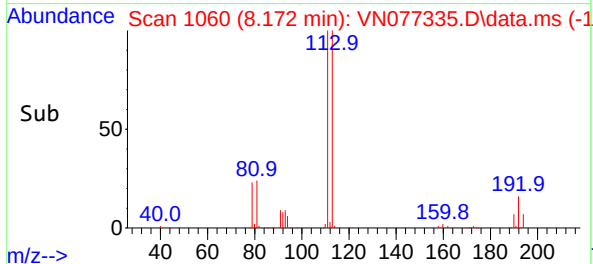


#35
Dibromofluoromethane
Concen: 46.503 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#07

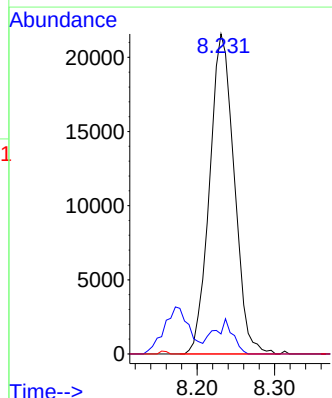
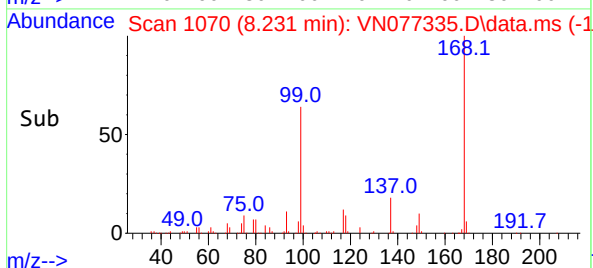
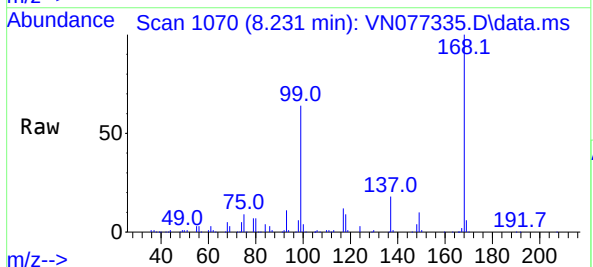


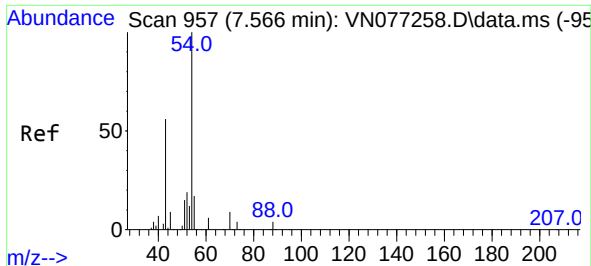
Tgt Ion: 113 Resp: 321558
Ion Ratio Lower Upper
113 100
111 102.1 83.4 125.0
192 15.9 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.656 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

Tgt Ion: 75 Resp: 47620
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.5#
77 0.0 25.0 37.4#

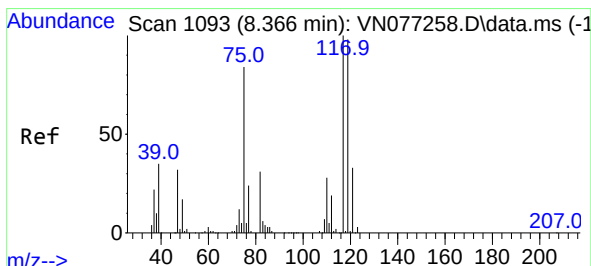
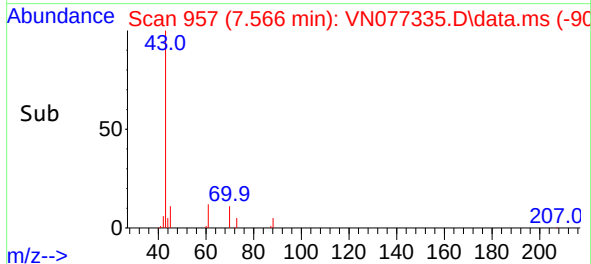
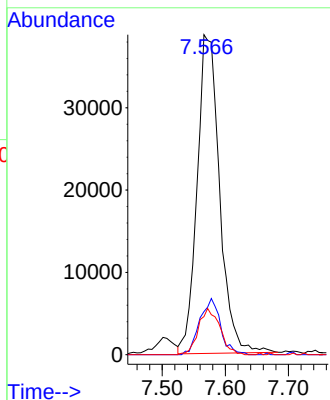
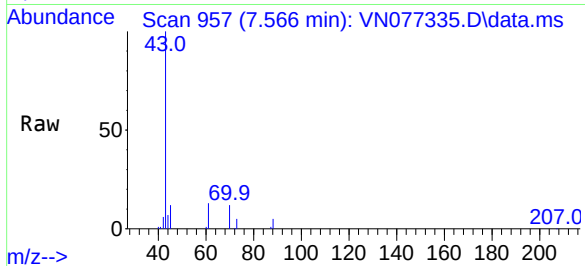




#37
Ethyl Acetate
Concen: 10.505 ug/l
RT: 7.566 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

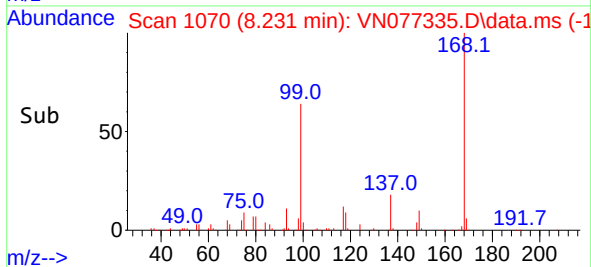
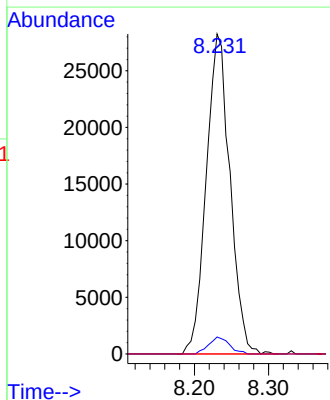
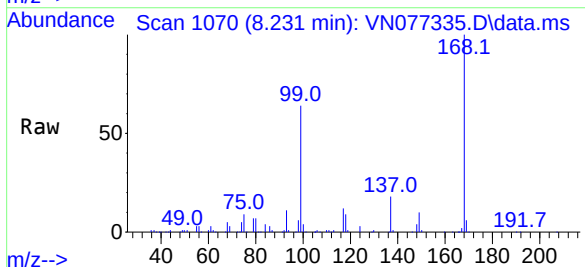
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#07

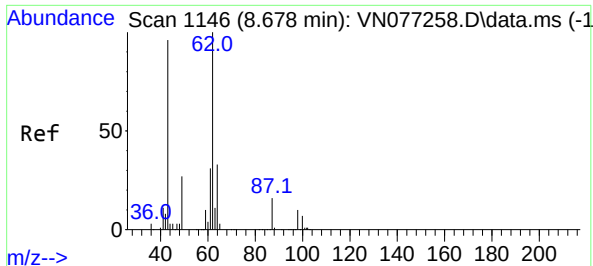
Tgt Ion: 43 Resp: 96123
Ion Ratio Lower Upper
43 100
61 16.3 12.2 18.2
70 13.8 10.0 15.0



#38
Carbon Tetrachloride
Concen: 5.993 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

Tgt Ion: 117 Resp: 62795
Ion Ratio Lower Upper
117 100
119 5.3 78.5 117.7#
121 0.0 26.6 40.0#

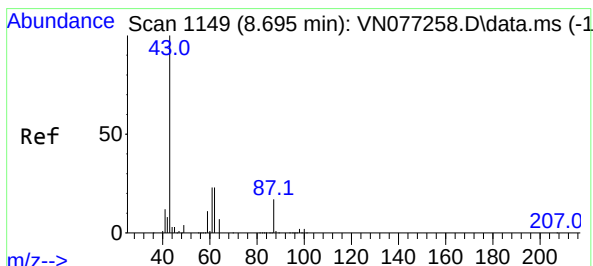
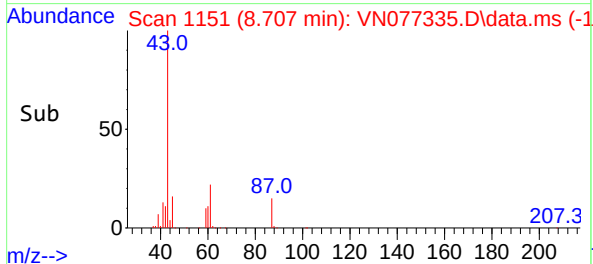
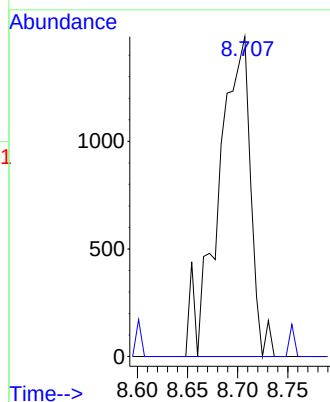
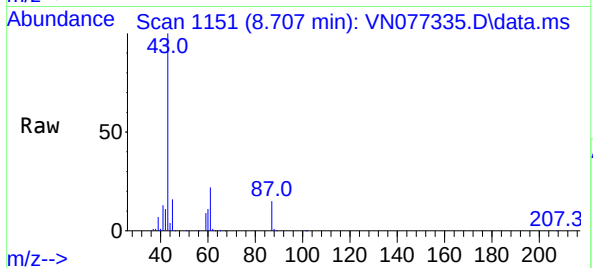




#42
1,2-Dichloroethane
Concen: 0.337 ug/l
RT: 8.707 min Scan# 1151
Delta R.T. 0.029 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

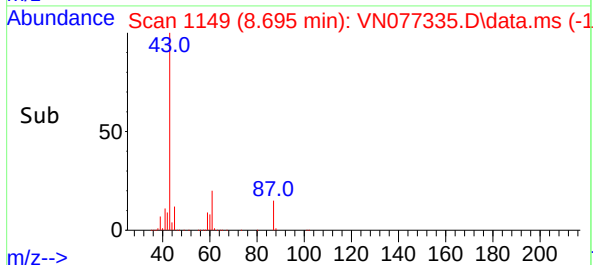
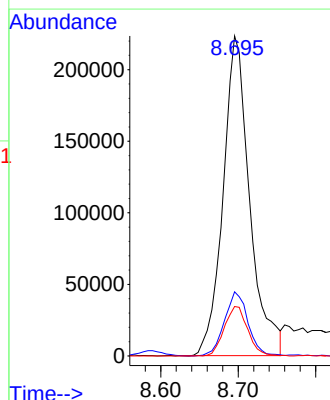
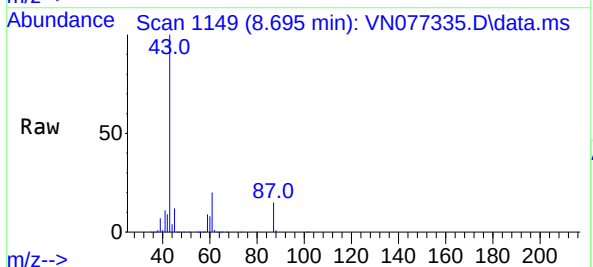
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#07

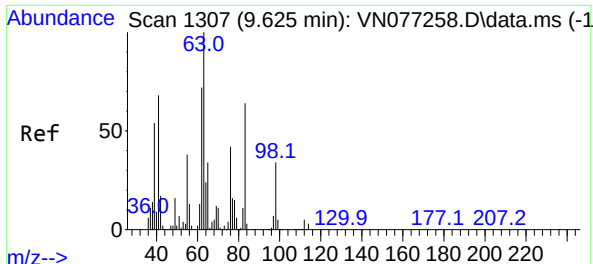
Tgt Ion: 62 Resp: 3307
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2



#43
Isopropyl Acetate
Concen: 31.630 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

Tgt Ion: 43 Resp: 534041
Ion Ratio Lower Upper
43 100
61 17.8 22.7 34.1#
87 13.7 13.6 20.4





#45

1,2-Dichloropropane

Concen: 0.703 ug/l

RT: 9.748 min Scan# 1328

Delta R.T. 0.123 min

Lab File: VN077335.D

Acq: 13 Apr 2023 17:52

Instrument :

MSVOA_N

ClientSampleId :

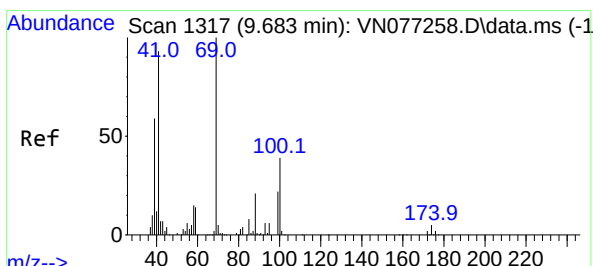
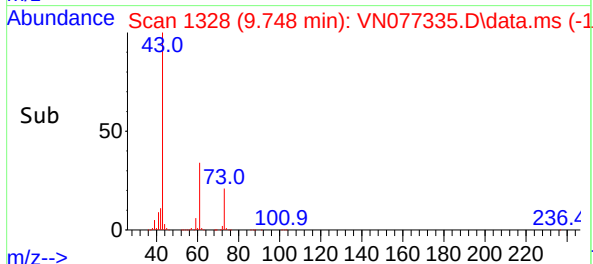
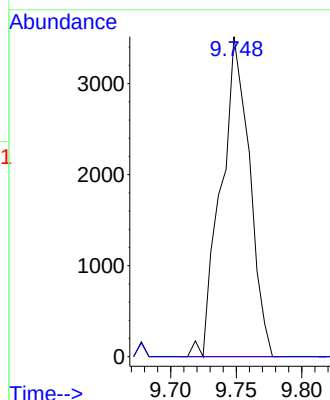
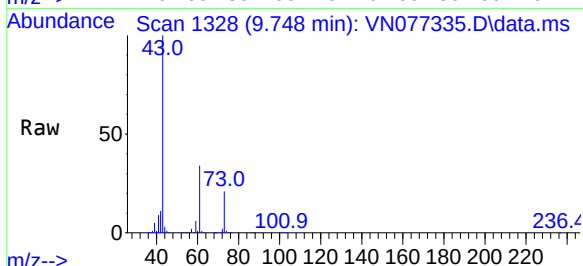
PB152070ZHE#07

Tgt Ion: 63 Resp: 5327

Ion Ratio Lower Upper

63 100

65 0.0 27.1 40.7#



#48

Methyl methacrylate

Concen: 46.657 ug/l

RT: 9.748 min Scan# 1328

Delta R.T. 0.065 min

Lab File: VN077335.D

Acq: 13 Apr 2023 17:52

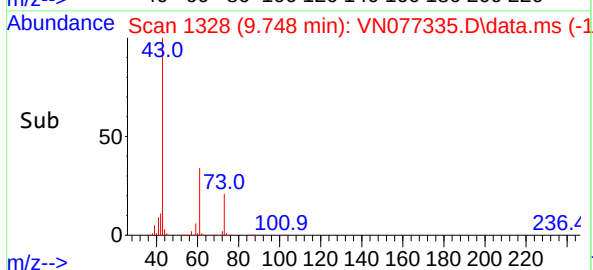
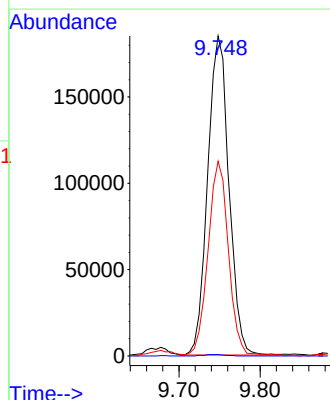
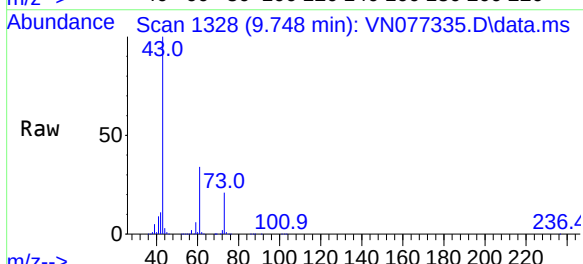
Tgt Ion: 41 Resp: 336053

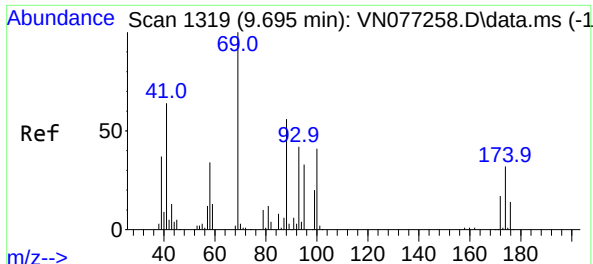
Ion Ratio Lower Upper

41 100

69 0.5 85.0 127.6#

39 58.9 53.5 80.3

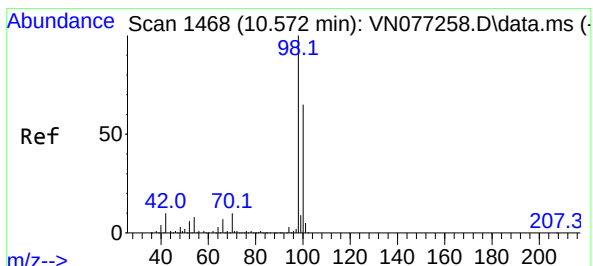
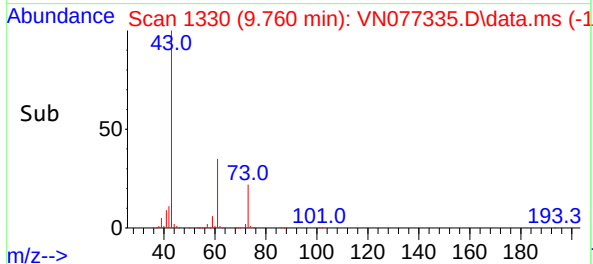
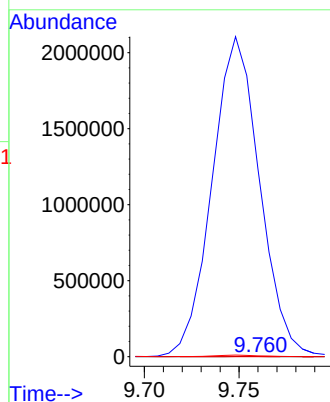
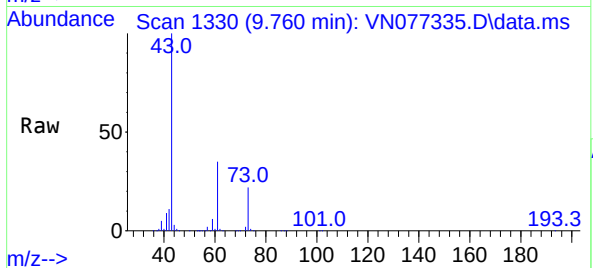




#49
1,4-Dioxane
Concen: 5.498 ug/l
RT: 9.760 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

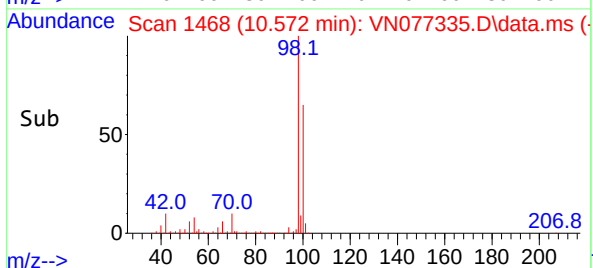
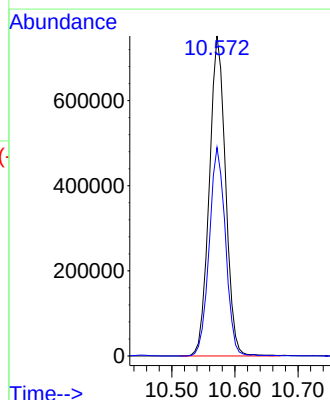
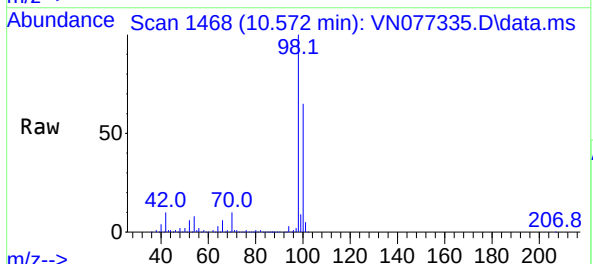
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#07

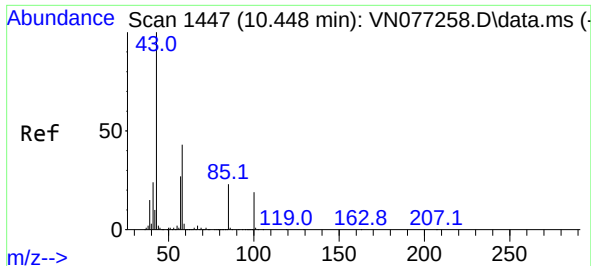
Tgt Ion: 88 Resp: 960
Ion Ratio Lower Upper
88 100
43 386380.6 17.0 25.6#
58 1835.2 49.8 74.6#



#50
Toluene-d8
Concen: 48.401 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

Tgt Ion: 98 Resp: 1347302
Ion Ratio Lower Upper
98 100
100 65.0 51.3 76.9

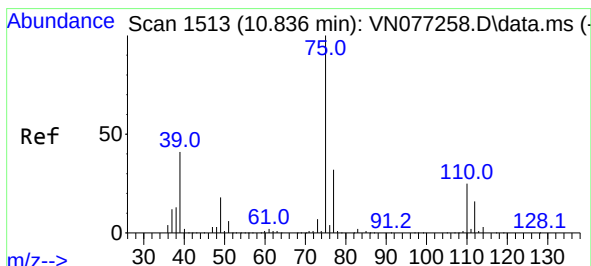
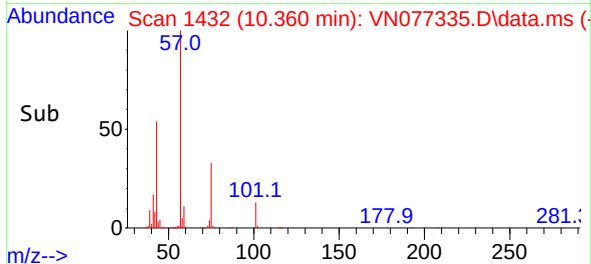
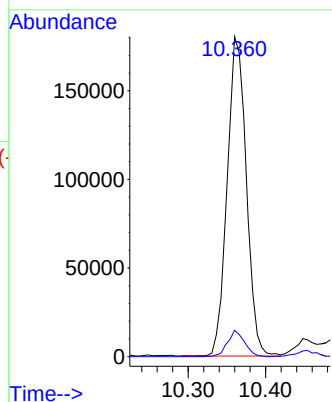
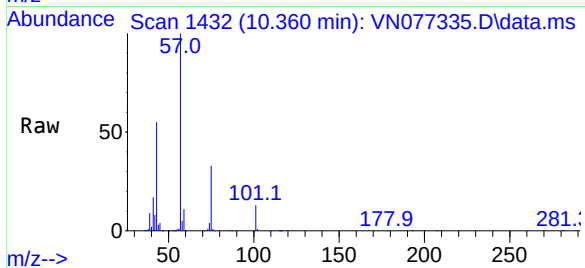




#51
4-Methyl-2-Pentanone
Concen: 31.826 ug/l
RT: 10.360 min Scan# 1447
Delta R.T. -0.088 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

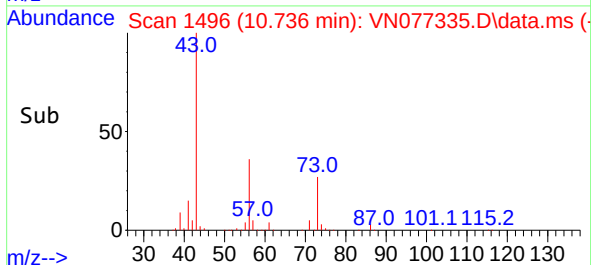
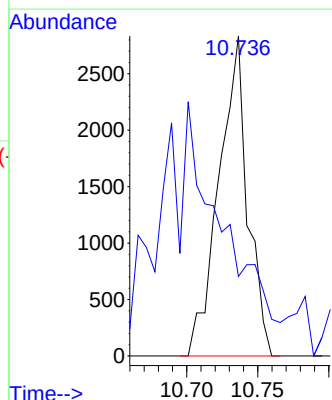
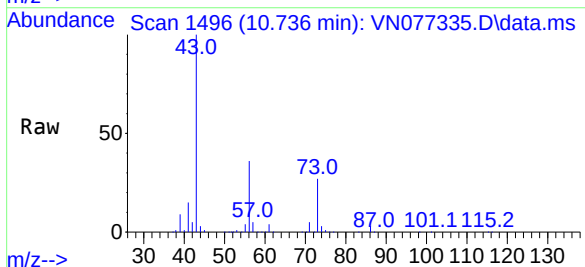
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#07

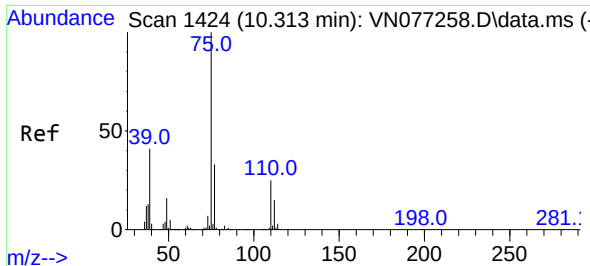
Tgt Ion: 43 Resp: 310607
Ion Ratio Lower Upper
43 100
58 7.4 34.6 52.0#



#53
t-1,3-Dichloropropene
Concen: 0.321 ug/l
RT: 10.736 min Scan# 1496
Delta R.T. -0.100 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

Tgt Ion: 75 Resp: 3981
Ion Ratio Lower Upper
75 100
77 14.4 25.4 38.0#

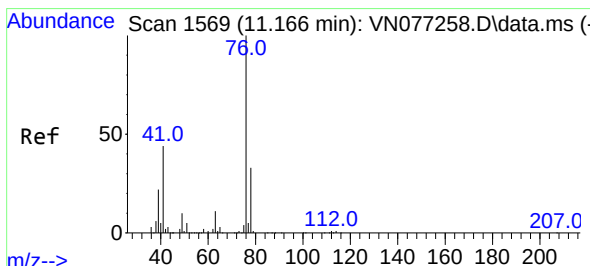
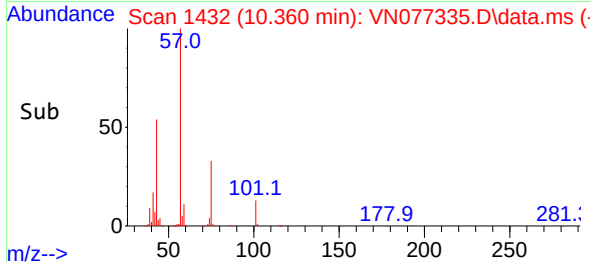
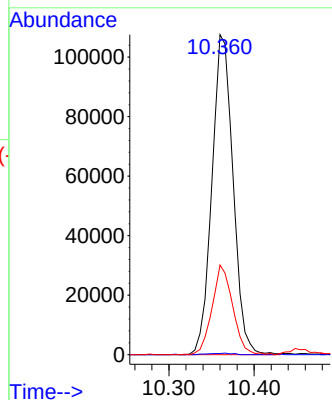
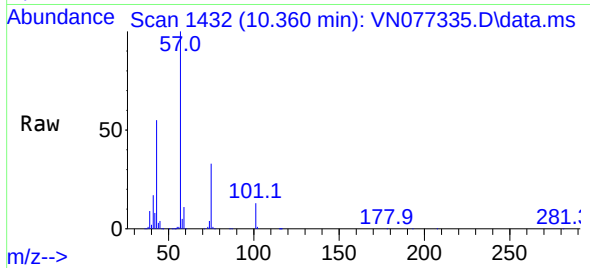




#54
 cis-1,3-Dichloropropene
 Concen: 14.037 ug/l
 RT: 10.360 min Scan# 1424
 Delta R.T. 0.047 min
 Lab File: VN077335.D
 Acq: 13 Apr 2023 17:52

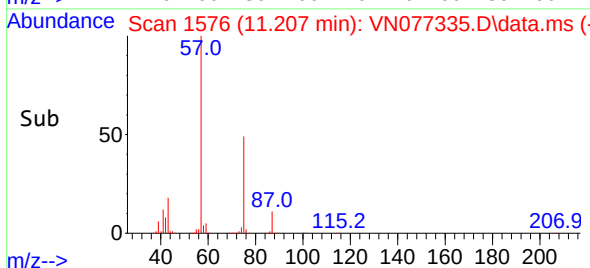
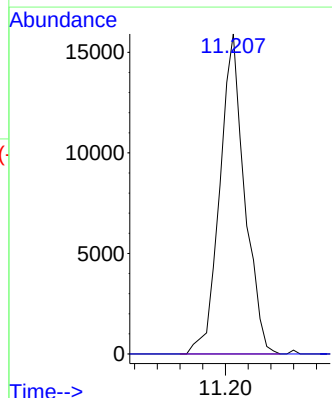
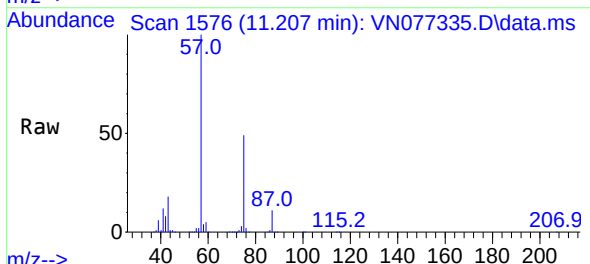
Instrument :
 MSVOA_N
 ClientSampleId :
 PB152070ZHE#07

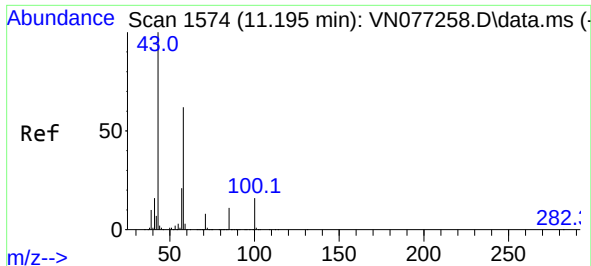
Tgt Ion: 75 Resp: 185231
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.7 40.1#
 39 28.0 32.8 49.2#



#57
 1,3-Dichloropropane
 Concen: 1.785 ug/l
 RT: 11.207 min Scan# 1576
 Delta R.T. 0.041 min
 Lab File: VN077335.D
 Acq: 13 Apr 2023 17:52

Tgt Ion: 76 Resp: 24165
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.4#

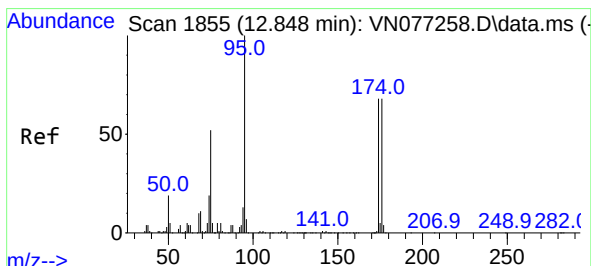
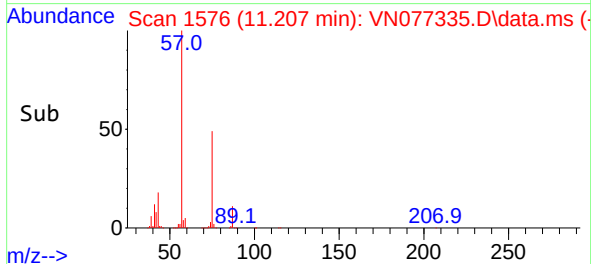
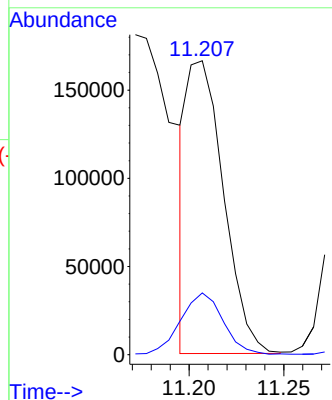
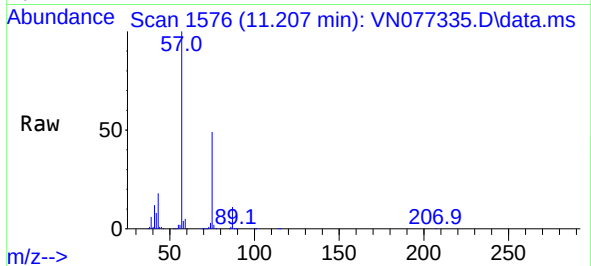




#59
2-Hexanone
Concen: 30.436 ug/l
RT: 11.207 min Scan# 111
Delta R.T. 0.012 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

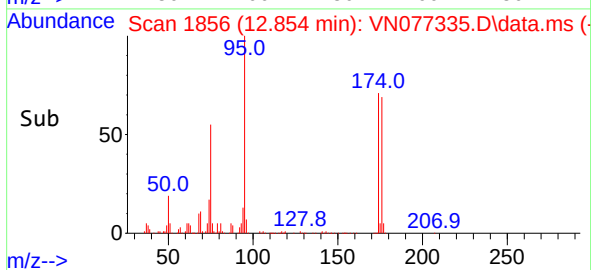
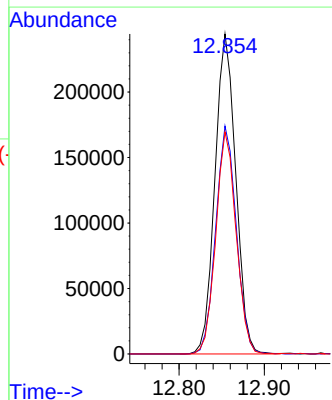
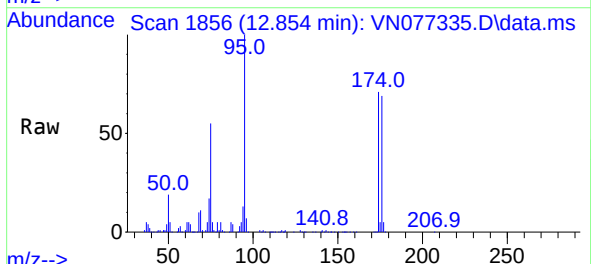
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#07

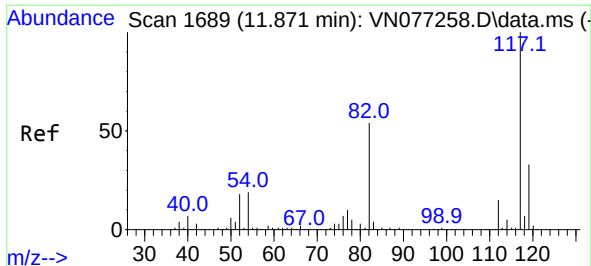
Tgt Ion: 43 Resp: 221295
Ion Ratio Lower Upper
43 100
58 25.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 44.766 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

Tgt Ion: 95 Resp: 414444
Ion Ratio Lower Upper
95 100
174 70.7 0.0 146.8
176 67.9 0.0 139.6

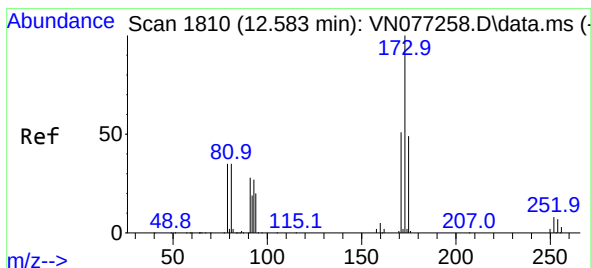
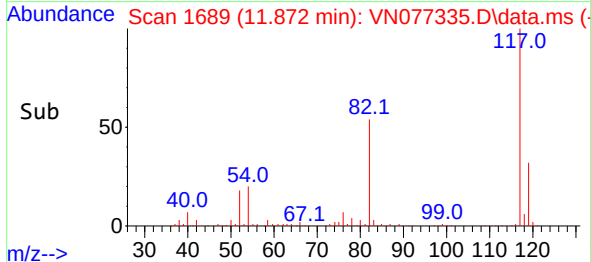
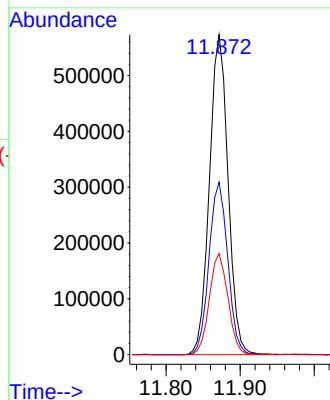
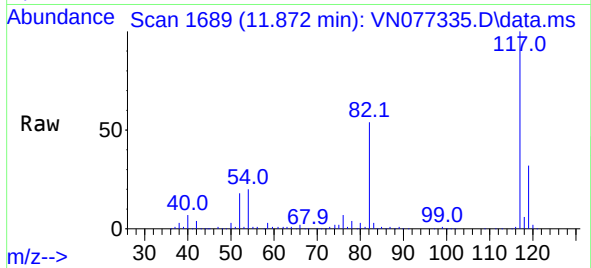




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 11041
Delta R.T. 0.001 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

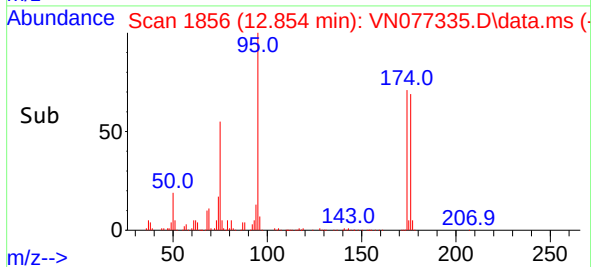
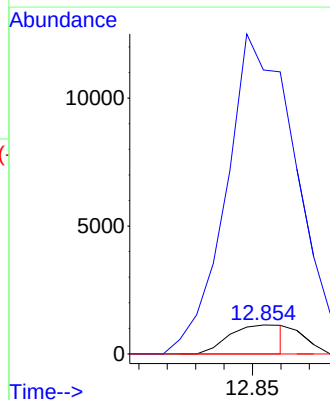
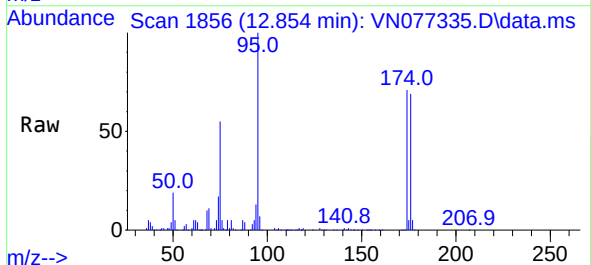
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#07

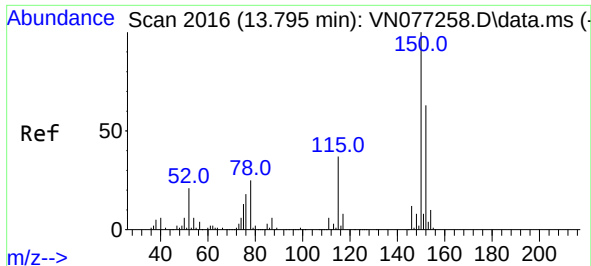
Tgt Ion:117 Resp: 1001041
Ion Ratio Lower Upper
117 100
82 53.9 42.9 64.3
119 31.6 26.2 39.4



#71
Bromoform
Concen: 0.259 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

Tgt Ion:173 Resp: 1522
Ion Ratio Lower Upper
173 100
175 1100.4 24.1 72.4#
254 0.0 0.1 0.1#

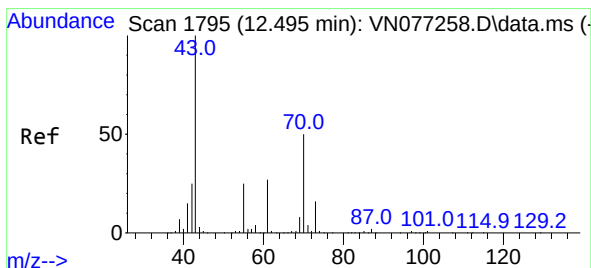
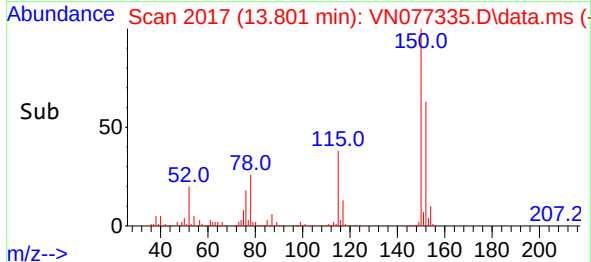
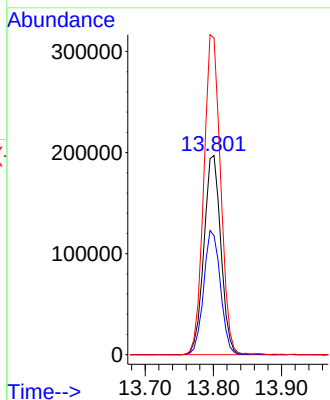
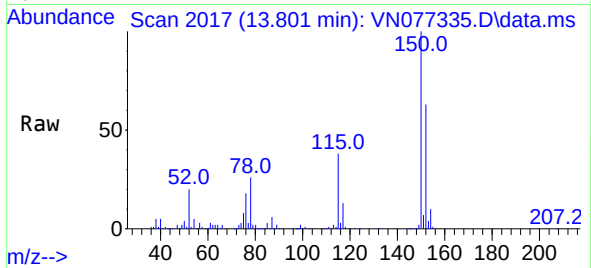




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.801 min Scan# 2016
Delta R.T. 0.006 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

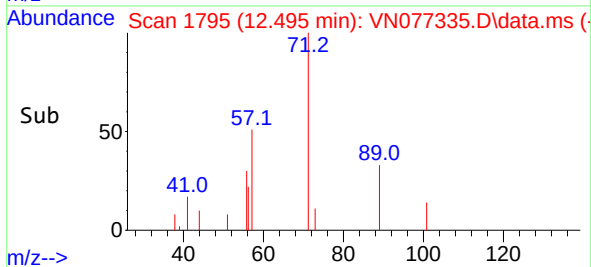
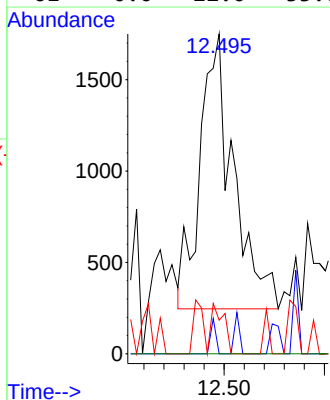
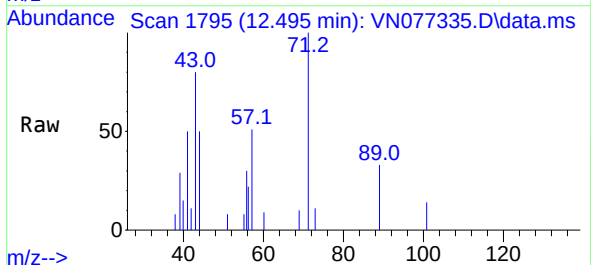
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#07

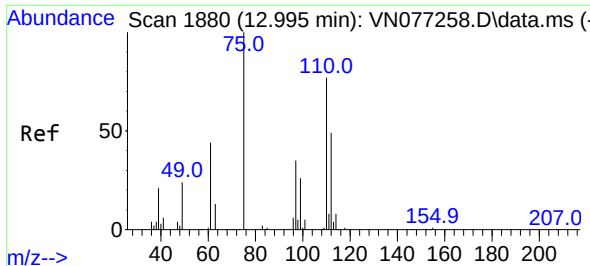
Tgt Ion:152 Resp: 341374
Ion Ratio Lower Upper
152 100
115 61.5 32.1 96.3
150 158.6 0.0 354.8



#74
N-ethyl acetate
Concen: 0.278 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

Tgt Ion: 43 Resp: 3489
Ion Ratio Lower Upper
43 100
70 0.0 41.0 61.6#
55 6.9 19.3 28.9#
61 0.0 22.0 33.0#

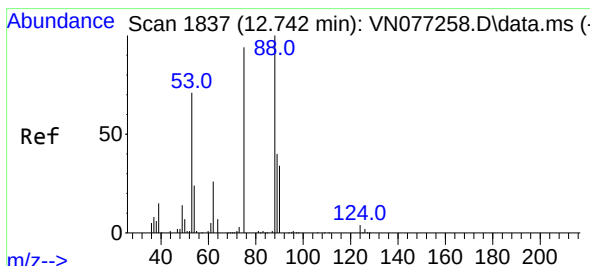
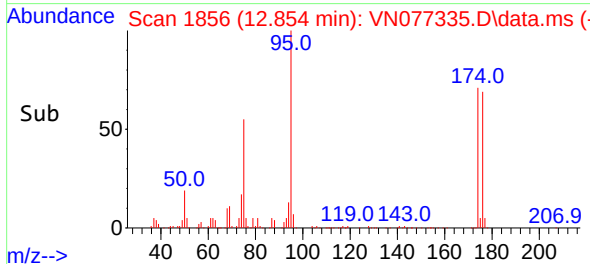
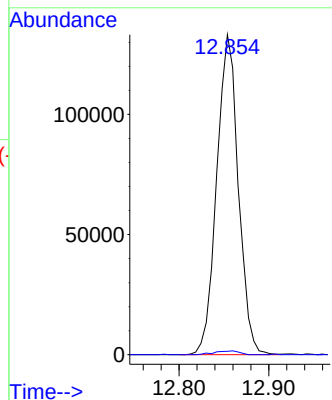
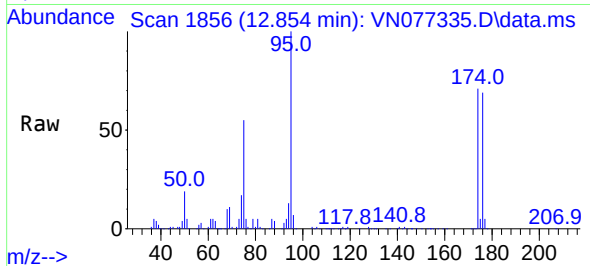




#76
1,2,3-Trichloropropane
Concen: 27.426 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#07

Tgt Ion: 75 Resp: 222950
Ion Ratio Lower Upper
75 100
77 1.3 88.3 264.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.718 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077335.D
Acq: 13 Apr 2023 17:52

Tgt Ion: 75 Resp: 222950
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#

