

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041323\
 Data File : VN077334.D
 Acq On : 13 Apr 2023 17:28
 Operator : JC\MD
 Sample : PB152070ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152070ZHE#06

Quant Time: Apr 14 07:25:23 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)

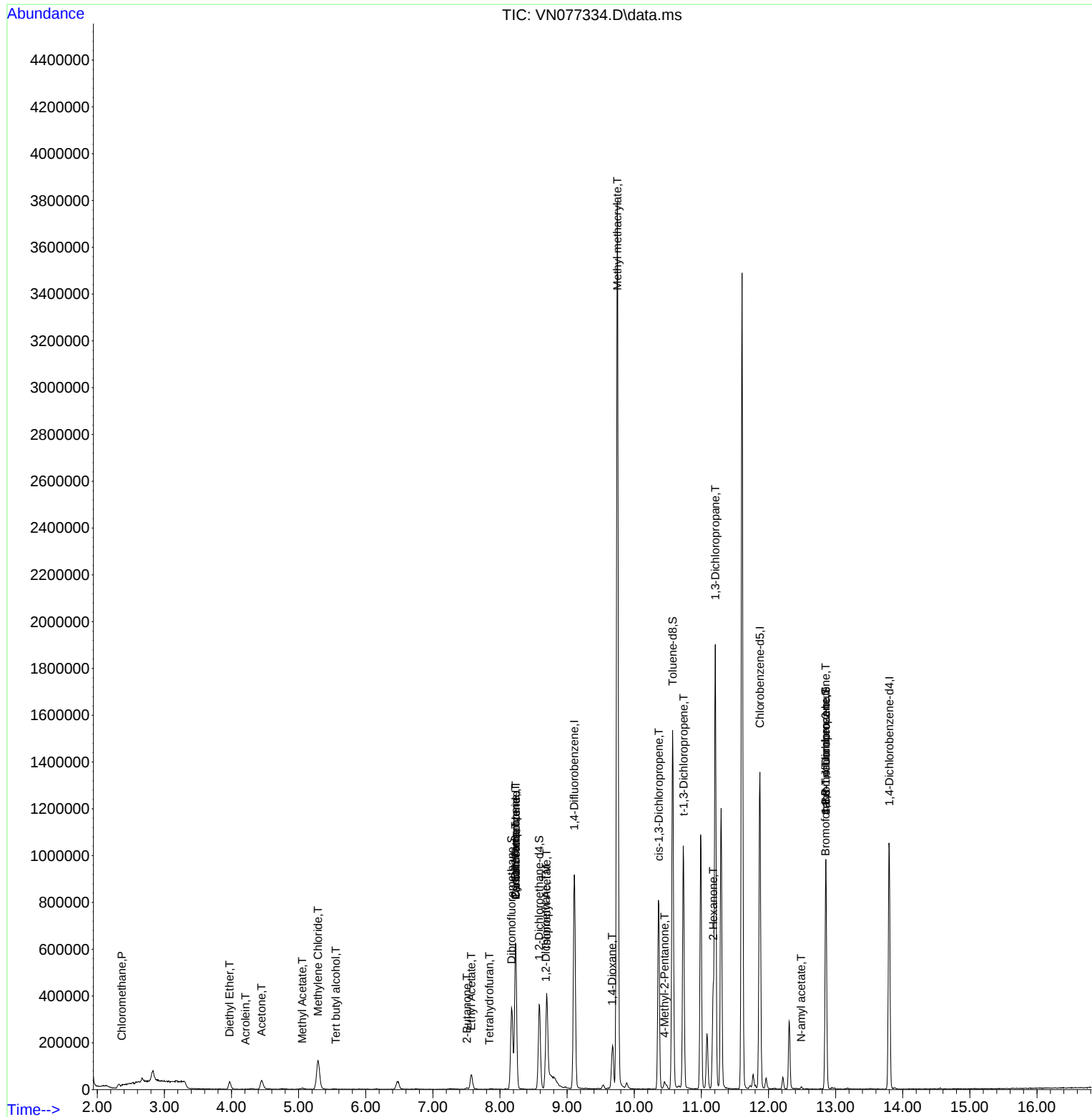
Internal Standards						
1) Pentafluorobenzene	8.236	168	444580	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	854534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	812544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.801	152	286296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	281549	46.336	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.680%		
35) Dibromofluoromethane	8.172	113	255962	46.790	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.580%		
50) Toluene-d8	10.571	98	1095082	49.726	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.460%		
62) 4-Bromofluorobenzene	12.854	95	333422	45.523	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.040%		
Target Compounds						Qvalue
3) Chloromethane	2.366	50	1686	0.240	ug/l	94
8) Diethyl Ether	3.972	74	21150	6.105	ug/l	97
11) Tert butyl alcohol	5.554	59	2285	1.843	ug/l #	87
13) Acrolein	4.207	56	382	0.325	ug/l #	71
16) Acetone	4.448	43	72322	32.282	ug/l	98
18) Methyl Acetate	5.054	43	10345	1.212	ug/l	97
20) Methylene Chloride	5.289	84	108730	17.185	ug/l	93
25) 2-Butanone	7.507	43	7590	2.087	ug/l #	75
29) Tetrahydrofuran	7.842	42	710	0.304	ug/l #	30
31) Cyclohexane	8.230	56	11286	1.195	ug/l #	27
36) 1,1-Dichloropropene	8.230	75	40193	4.968	ug/l #	49
37) Ethyl Acetate	7.572	43	89703	12.392	ug/l	95
38) Carbon Tetrachloride	8.236	117	50358	6.075	ug/l #	16
42) 1,2-Dichloroethane	8.683	62	3121	0.402	ug/l #	73
43) Isopropyl Acetate	8.695	43	485940	36.379	ug/l #	84
48) Methyl methacrylate	9.748	41	318398	55.877	ug/l #	32
49) 1,4-Dioxane	9.672	88	198	1.433	ug/l #	1
51) 4-Methyl-2-Pentanone	10.454	43	15677	2.030	ug/l #	85
53) t-1,3-Dichloropropene	10.736	75	3382	0.345	ug/l #	53
54) cis-1,3-Dichloropropene	10.366	75	167542	16.048	ug/l #	60
57) 1,3-Dichloropropane	11.207	76	22874	2.135	ug/l #	43
59) 2-Hexanone	11.177	43	291171	50.620	ug/l #	20
71) Bromoform	12.848	173	1627	0.341	ug/l #	1
74) N-amyl acetate	12.489	43	5258	0.499	ug/l #	39
76) 1,2,3-Trichloropropane	12.854	75	178434	26.173	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	178434	58.898	ug/l #	13

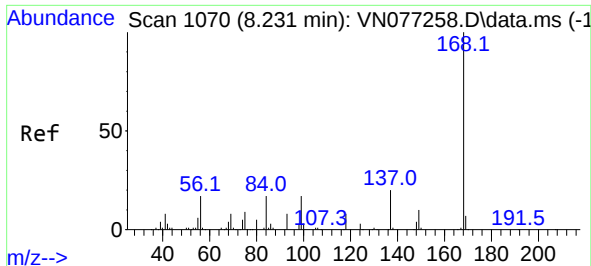
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041323\
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Quant Title : SW846 8260
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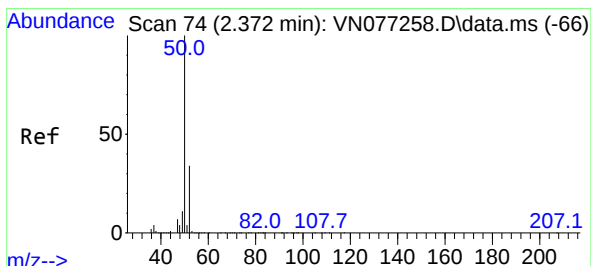
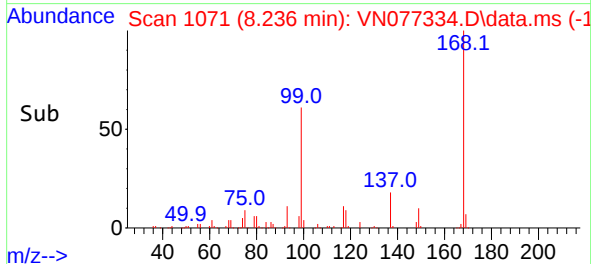
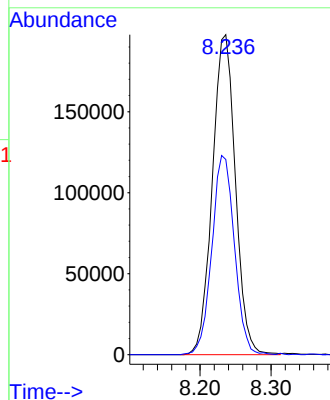
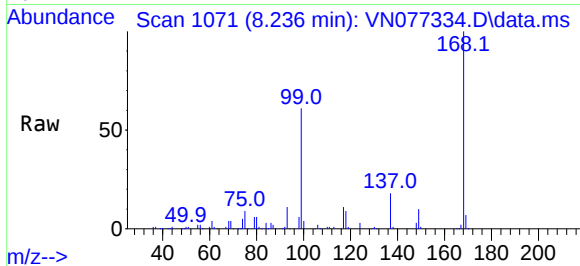




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

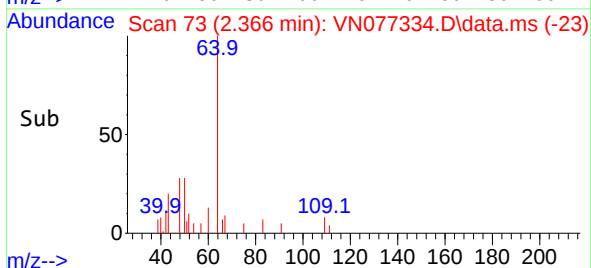
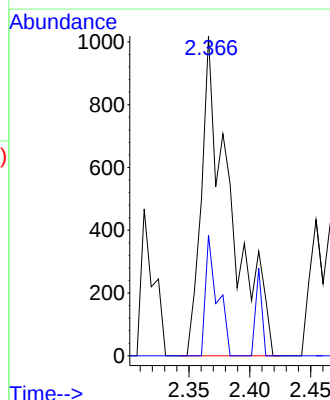
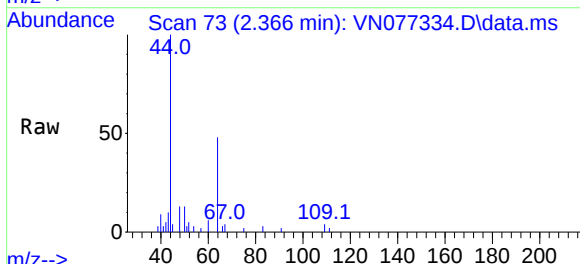
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#06

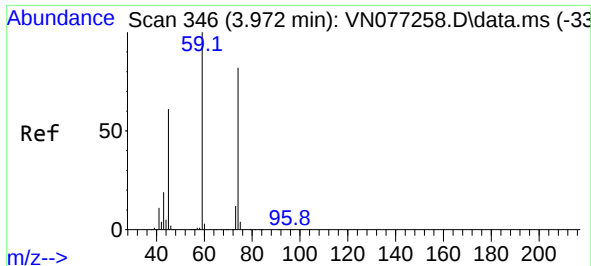
Tgt Ion:168 Resp: 444580
Ion Ratio Lower Upper
168 100
99 61.0 50.6 75.8



#3
Chloromethane
Concen: 0.240 ug/l
RT: 2.366 min Scan# 73
Delta R.T. -0.006 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

Tgt Ion: 50 Resp: 1686
Ion Ratio Lower Upper
50 100
52 37.7 27.3 40.9

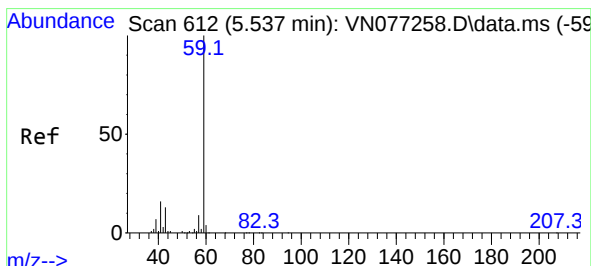
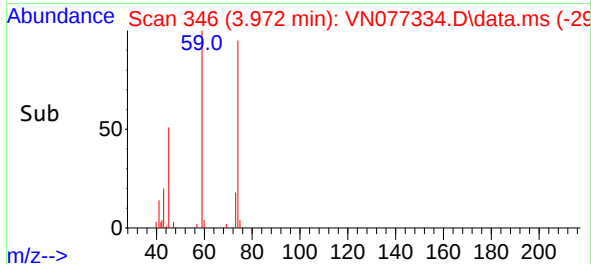
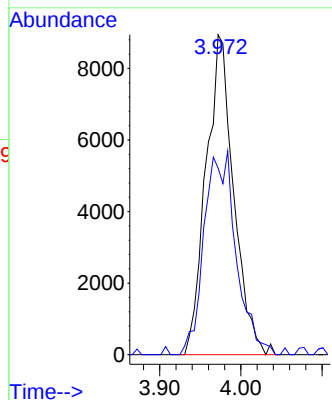
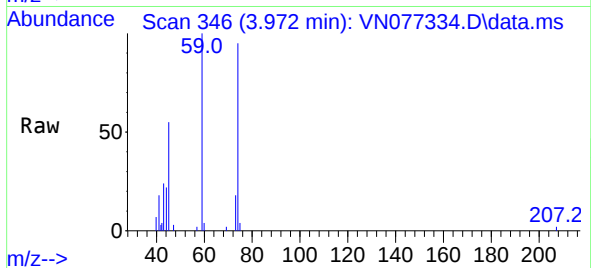




#8
Diethyl Ether
Concen: 6.105 ug/l
RT: 3.972 min Scan# 346
Delta R.T. -0.000 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

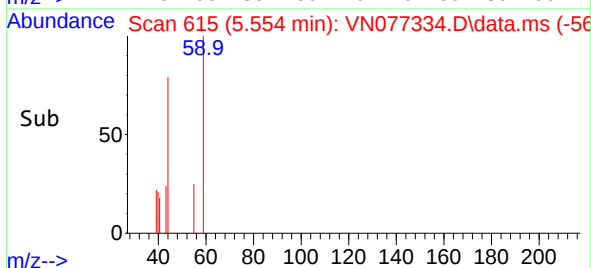
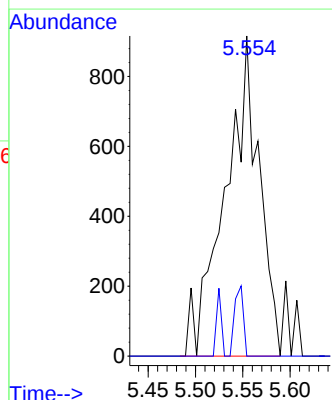
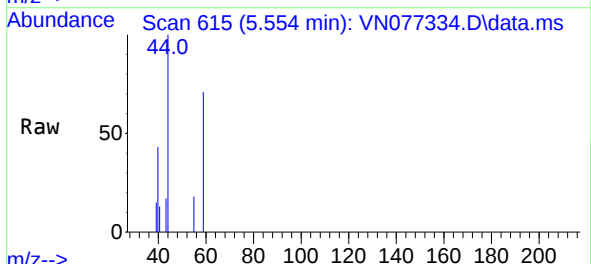
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#06

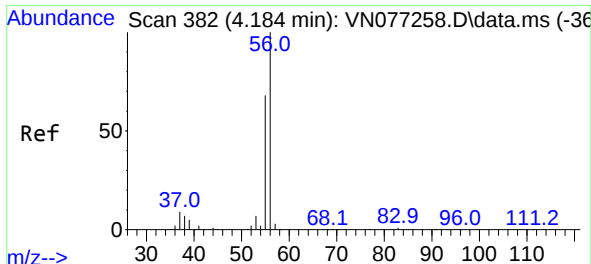
Tgt Ion: 74 Resp: 21150
Ion Ratio Lower Upper
74 100
45 73.2 37.8 113.4



#11
Tert butyl alcohol
Concen: 1.843 ug/l
RT: 5.554 min Scan# 615
Delta R.T. 0.017 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

Tgt Ion: 59 Resp: 2285
Ion Ratio Lower Upper
59 100
57 5.6 8.3 12.5#

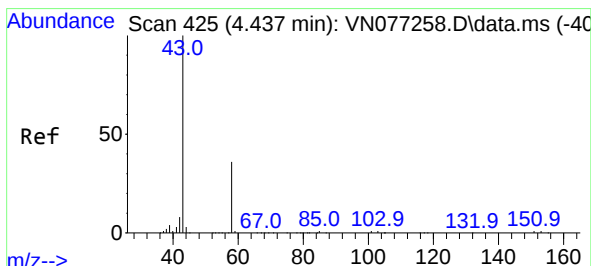
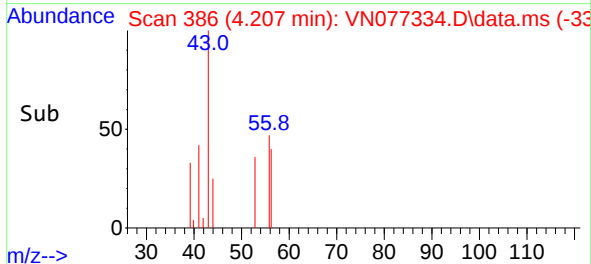
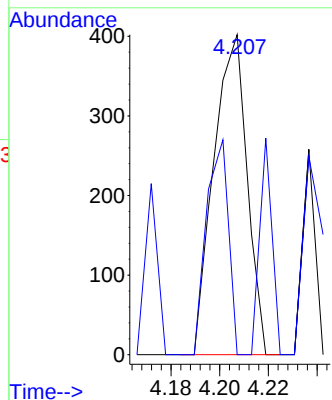
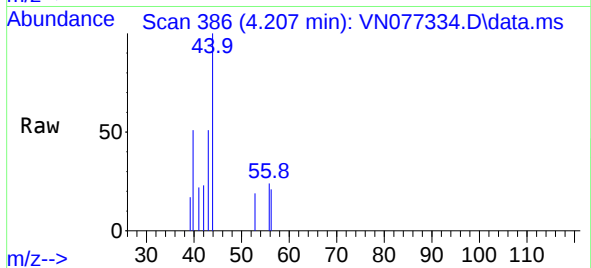




#13
Acrolein
Concen: 0.325 ug/l
RT: 4.207 min Scan# 386
Delta R.T. 0.023 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

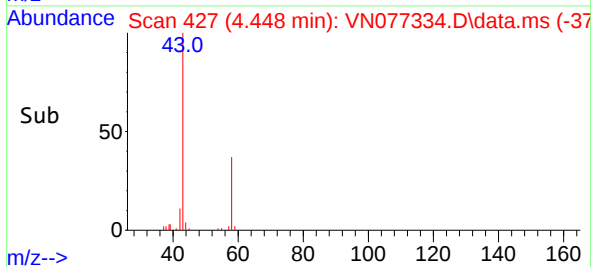
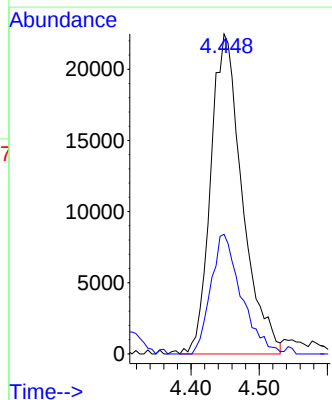
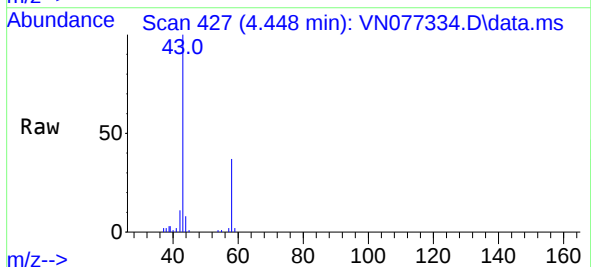
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#06

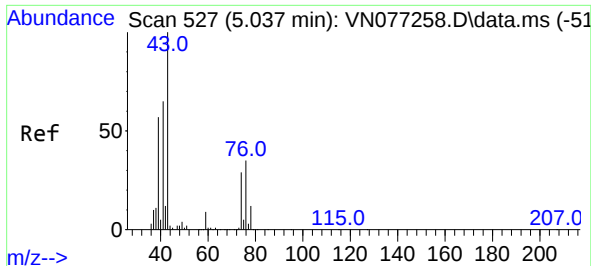
Tgt Ion: 56 Resp: 382
Ion Ratio Lower Upper
56 100
55 44.2 54.2 81.2#



#16
Acetone
Concen: 32.282 ug/l
RT: 4.448 min Scan# 427
Delta R.T. 0.011 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

Tgt Ion: 43 Resp: 72322
Ion Ratio Lower Upper
43 100
58 37.4 29.0 43.6

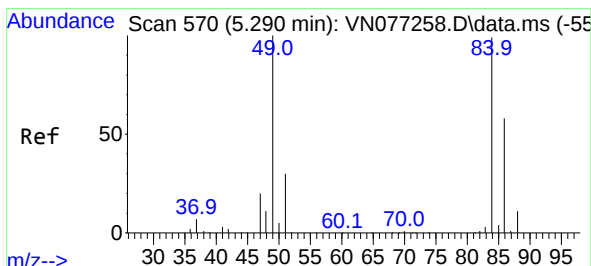
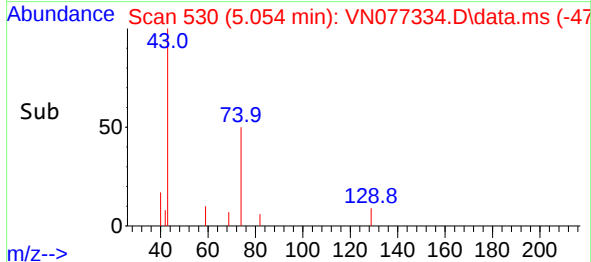
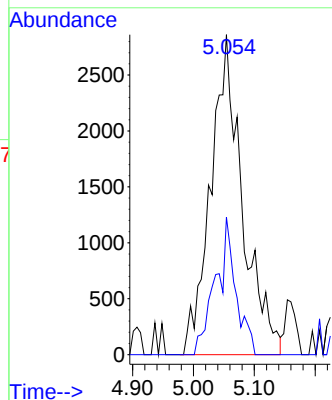
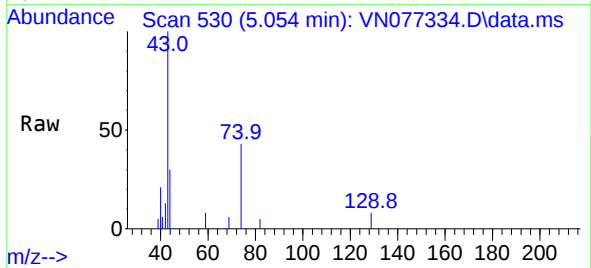




#18
Methyl Acetate
Concen: 1.212 ug/l
RT: 5.054 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

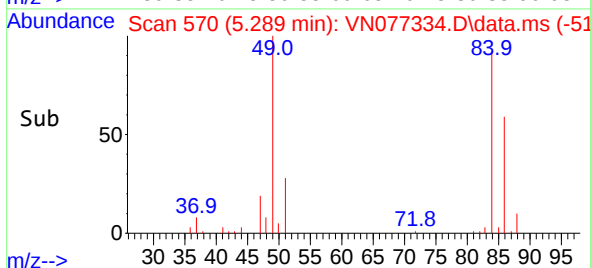
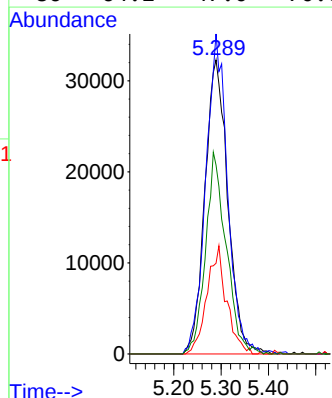
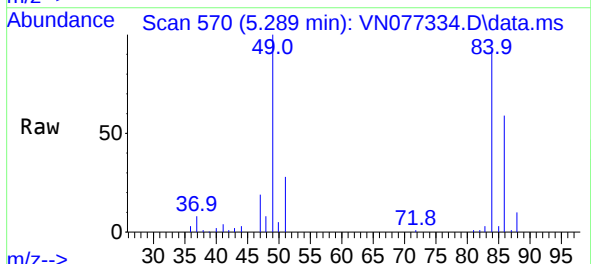
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#06

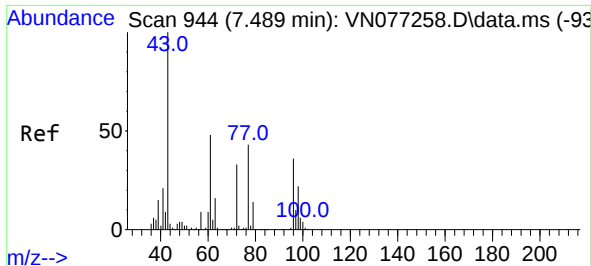
Tgt Ion: 43 Resp: 10345
Ion Ratio Lower Upper
43 100
74 27.5 23.4 35.2



#20
Methylene Chloride
Concen: 17.185 ug/l
RT: 5.289 min Scan# 570
Delta R.T. -0.001 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

Tgt Ion: 84 Resp: 108730
Ion Ratio Lower Upper
84 100
49 108.8 80.6 121.0
51 30.8 24.4 36.6
86 64.2 47.0 70.6





#25

2-Butanone

Concen: 2.087 ug/l

RT: 7.507 min Scan# 944

Delta R.T. 0.018 min

Lab File: VN077334.D

Acq: 13 Apr 2023 17:28

Instrument :

MSVOA_N

ClientSampleId :

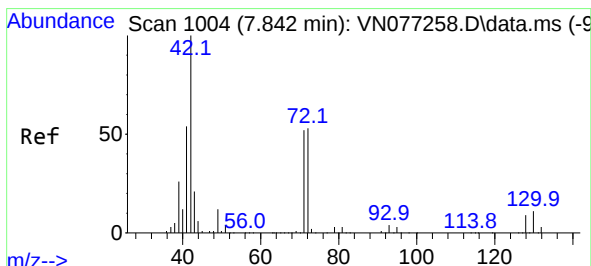
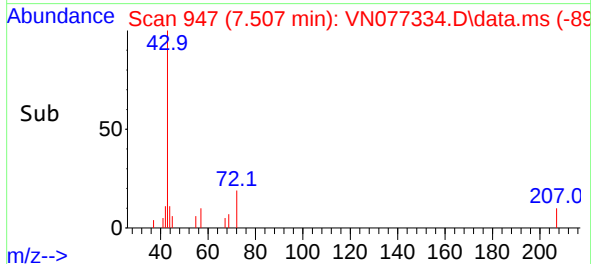
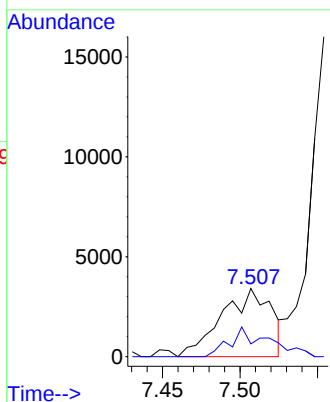
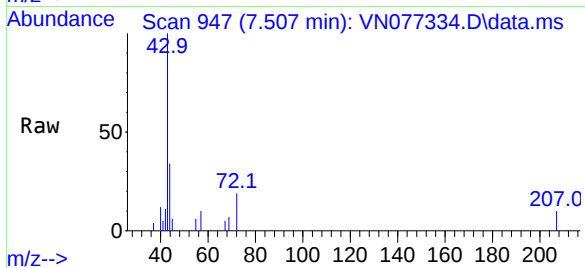
PB152070ZHE#06

Tgt Ion: 43 Resp: 7590

Ion Ratio Lower Upper

43 100

72 18.9 26.6 39.8#



#29

Tetrahydrofuran

Concen: 0.304 ug/l

RT: 7.842 min Scan# 1004

Delta R.T. 0.000 min

Lab File: VN077334.D

Acq: 13 Apr 2023 17:28

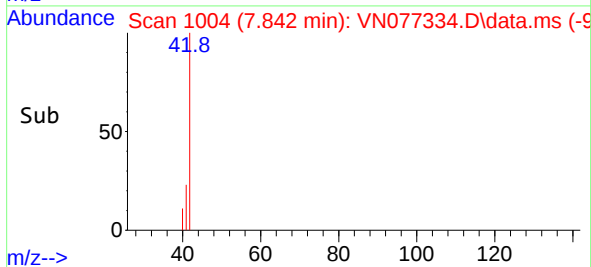
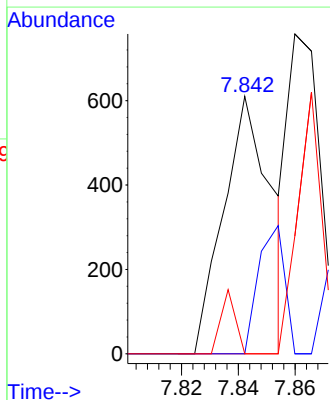
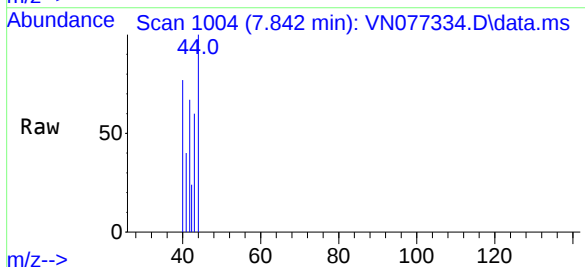
Tgt Ion: 42 Resp: 710

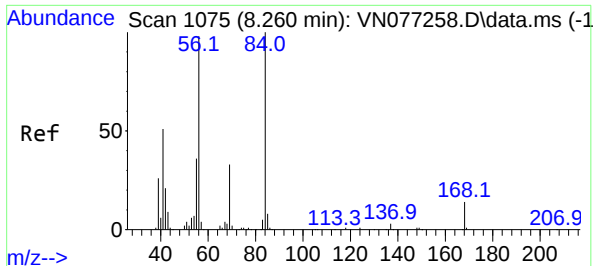
Ion Ratio Lower Upper

42 100

72 0.0 44.6 66.8#

71 7.6 41.3 61.9#





#31

Cyclohexane

Concen: 1.195 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.030 min

Lab File: VN077334.D

Acq: 13 Apr 2023 17:28

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MSVOA_N

ClientSampleId :

PB152070ZHE#06

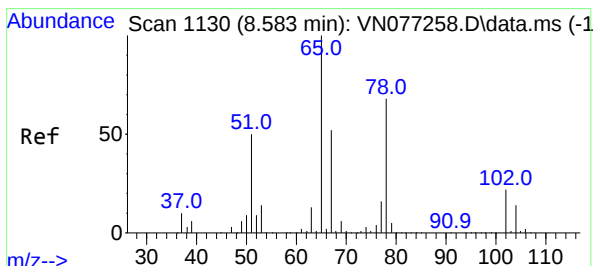
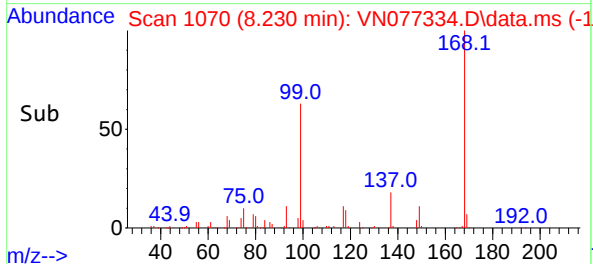
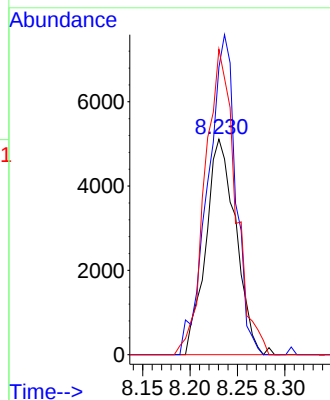
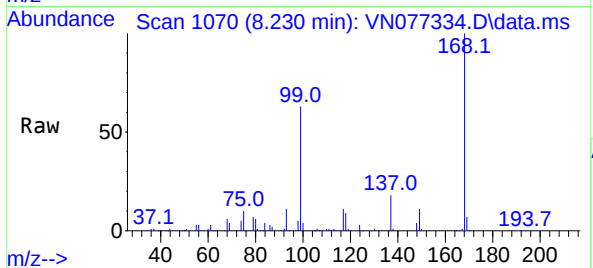
Tgt Ion: 56 Resp: 11286

Ion Ratio Lower Upper

56 100

69 133.4 26.6 40.0#

84 141.7 81.8 122.8#



#33

1,2-Dichloroethane-d4

Concen: 46.336 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077334.D

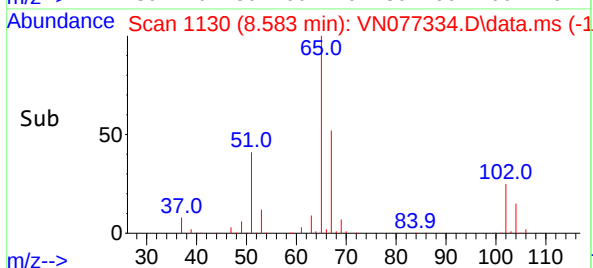
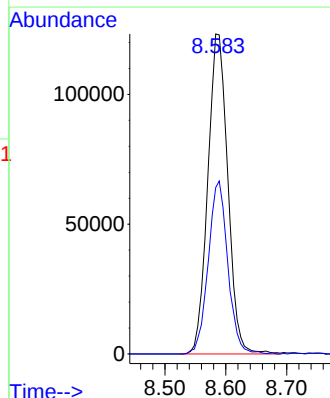
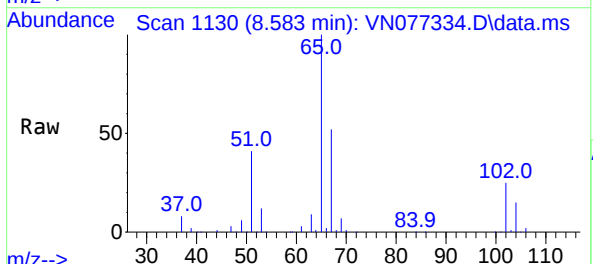
Acq: 13 Apr 2023 17:28

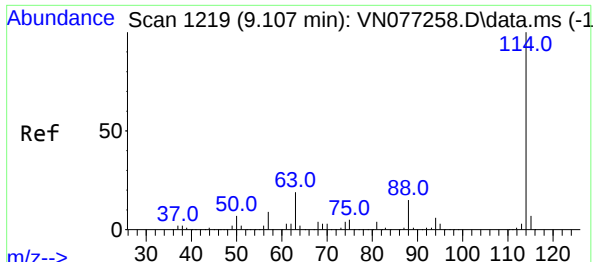
Tgt Ion: 65 Resp: 281549

Ion Ratio Lower Upper

65 100

67 52.8 0.0 108.8

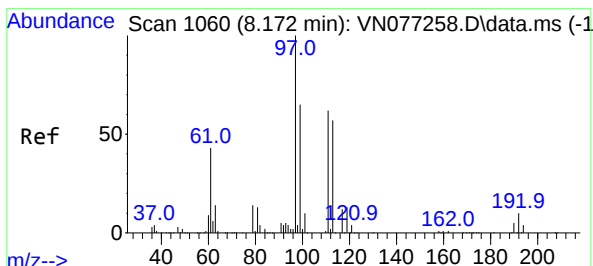
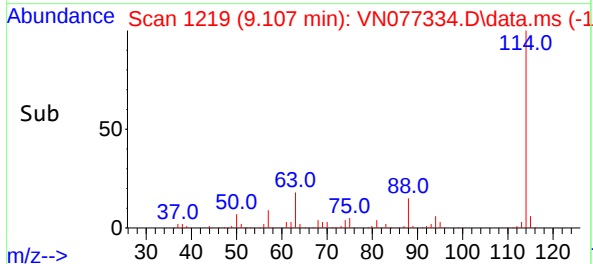
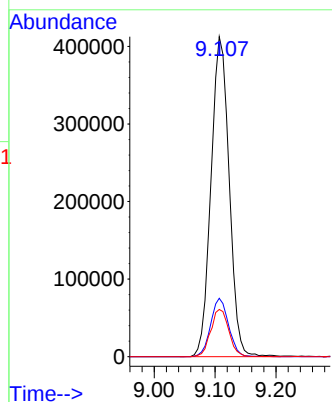
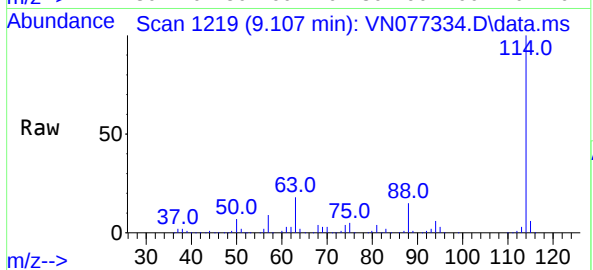




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

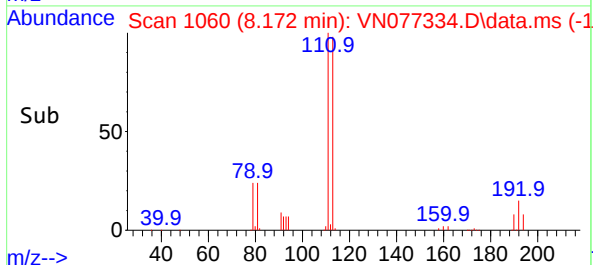
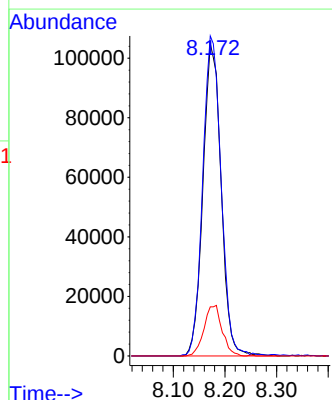
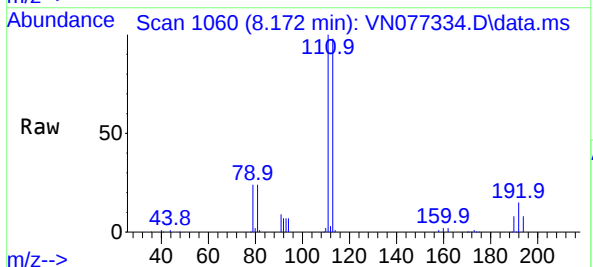
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#06

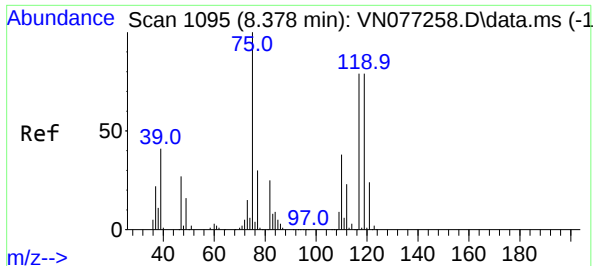
Tgt Ion:114 Resp: 854534
Ion Ratio Lower Upper
114 100
63 18.2 0.0 37.8
88 14.7 0.0 29.4



#35
Dibromofluoromethane
Concen: 46.790 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

Tgt Ion:113 Resp: 255962
Ion Ratio Lower Upper
113 100
111 103.6 83.4 125.0
192 16.2 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.968 ug/l

RT: 8.230 min Scan# 1095

Delta R.T. -0.148 min

Lab File: VN077334.D

Acq: 13 Apr 2023 17:28

Instrument :

MSVOA_N

ClientSampleId :

PB152070ZHE#06

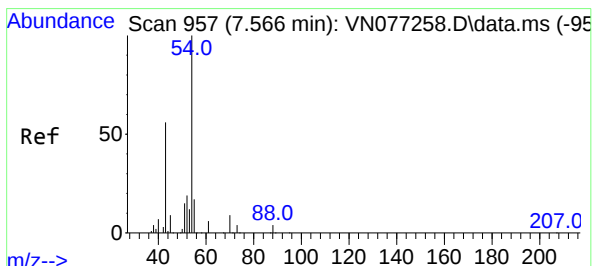
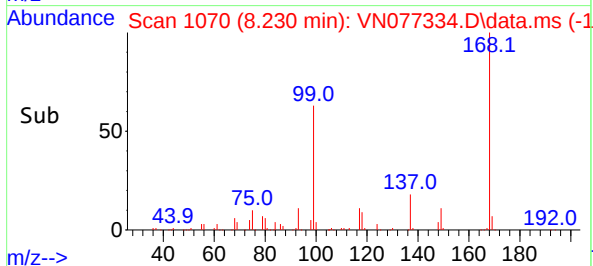
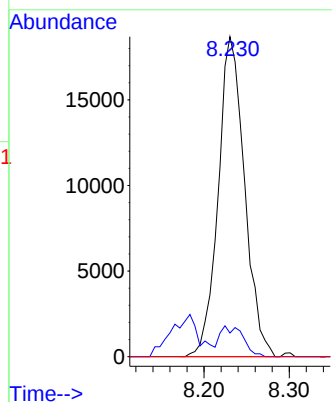
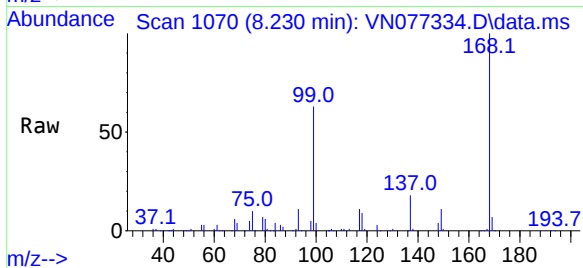
Tgt Ion: 75 Resp: 40193

Ion Ratio Lower Upper

75 100

110 8.3 17.8 53.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 12.392 ug/l

RT: 7.572 min Scan# 958

Delta R.T. 0.006 min

Lab File: VN077334.D

Acq: 13 Apr 2023 17:28

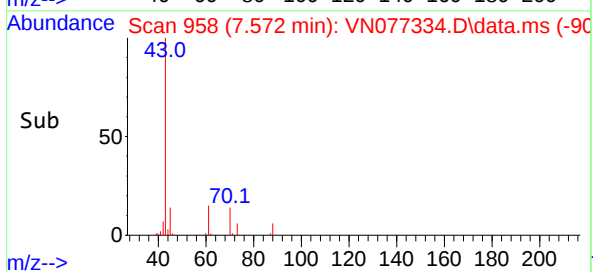
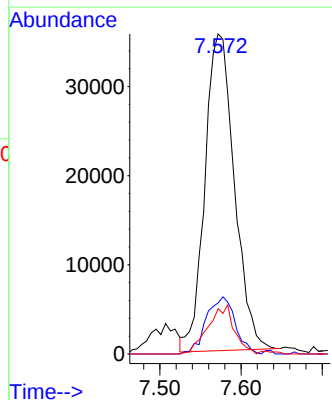
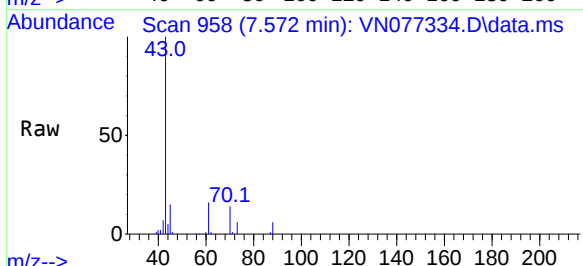
Tgt Ion: 43 Resp: 89703

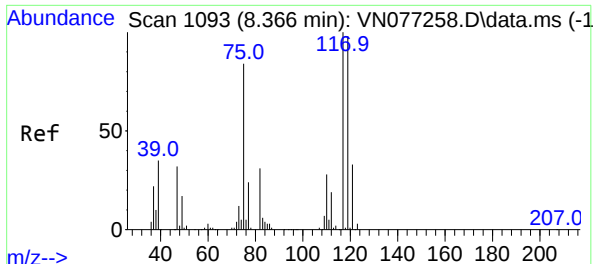
Ion Ratio Lower Upper

43 100

61 17.7 12.2 18.2

70 13.7 10.0 15.0

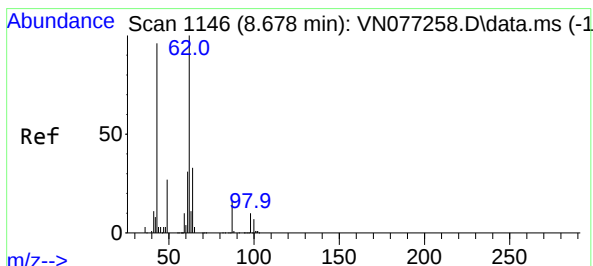
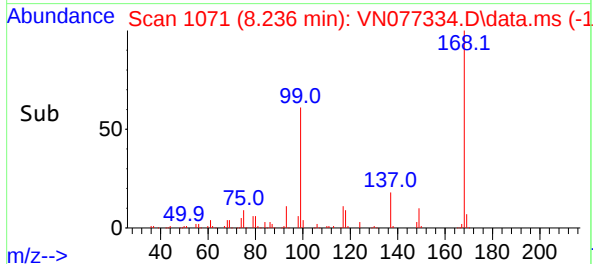
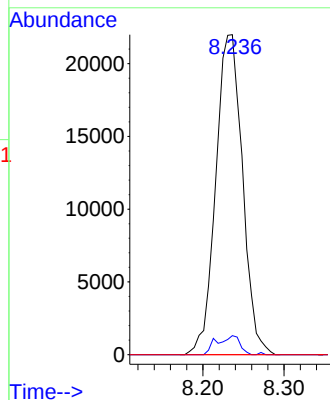
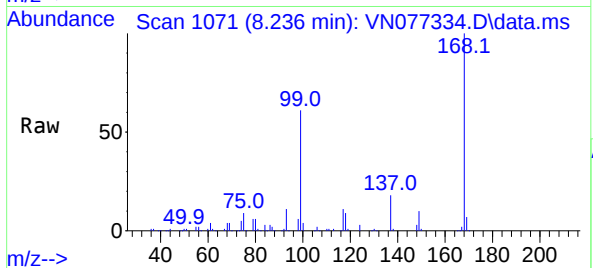




#38
Carbon Tetrachloride
Concen: 6.075 ug/l
RT: 8.236 min Scan# 1107
Delta R.T. -0.130 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

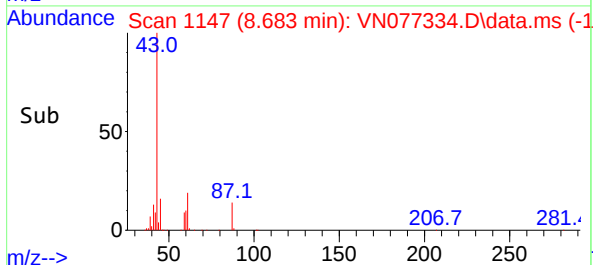
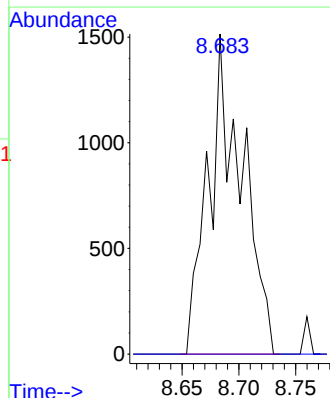
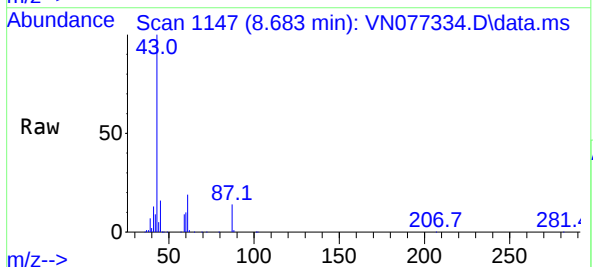
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#06

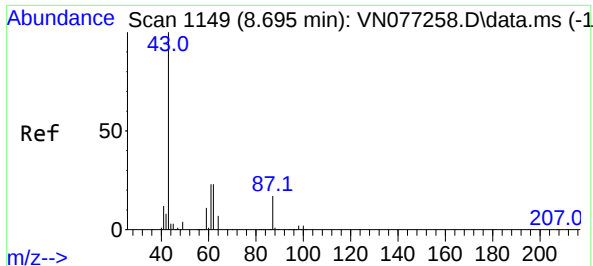
Tgt Ion:117 Resp: 50358
Ion Ratio Lower Upper
117 100
119 5.9 78.5 117.7#
121 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.402 ug/l
RT: 8.683 min Scan# 1147
Delta R.T. 0.005 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

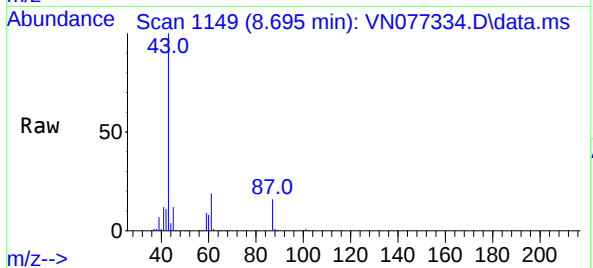
Tgt Ion: 62 Resp: 3121
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2



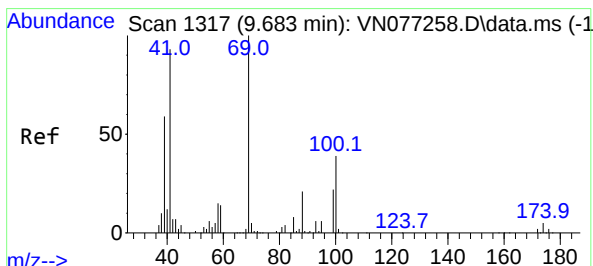
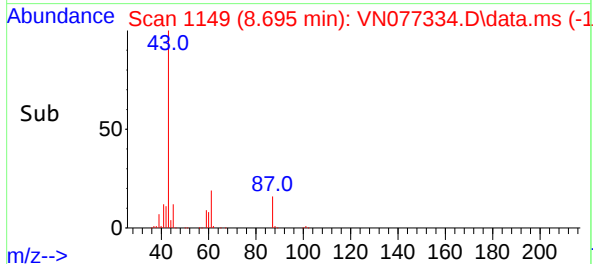
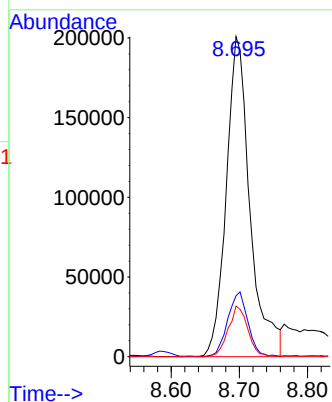


#43
Isopropyl Acetate
Concen: 36.379 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#06

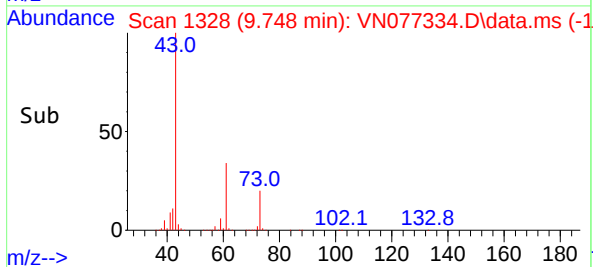
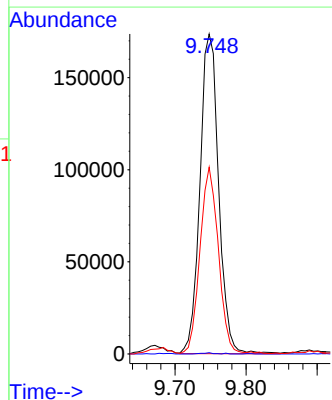
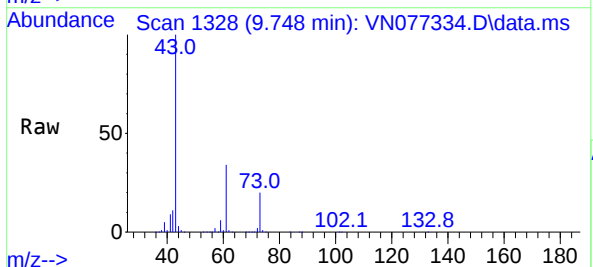


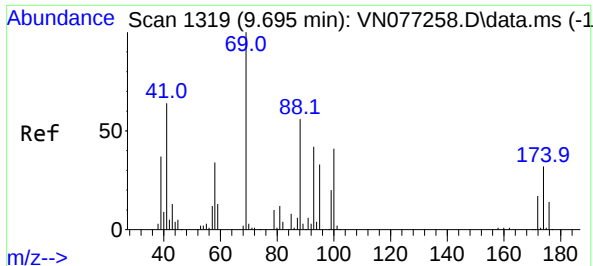
Tgt Ion: 43 Resp: 485940
Ion Ratio Lower Upper
43 100
61 17.4 22.7 34.1#
87 13.0 13.6 20.4#



#48
Methyl methacrylate
Concen: 55.877 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.065 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

Tgt Ion: 41 Resp: 318398
Ion Ratio Lower Upper
41 100
69 0.2 85.0 127.6#
39 56.9 53.5 80.3

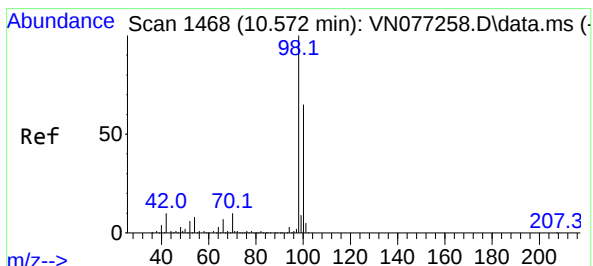
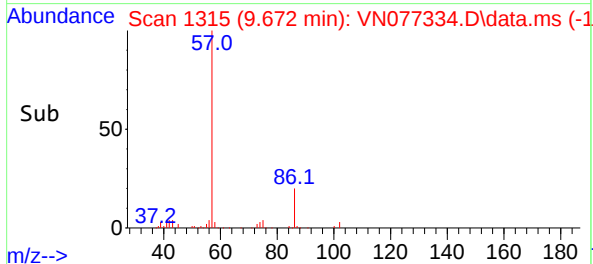
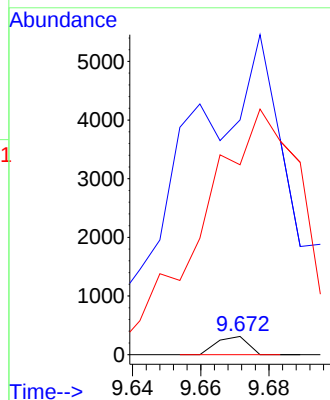
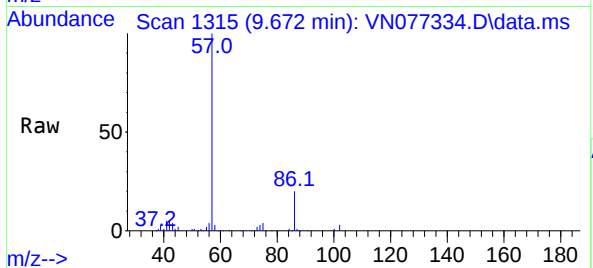




#49
1,4-Dioxane
Concen: 1.433 ug/l
RT: 9.672 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

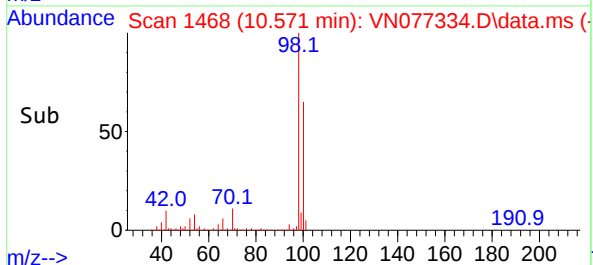
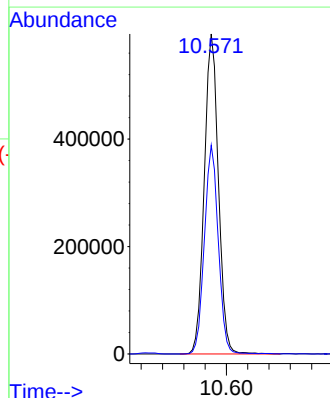
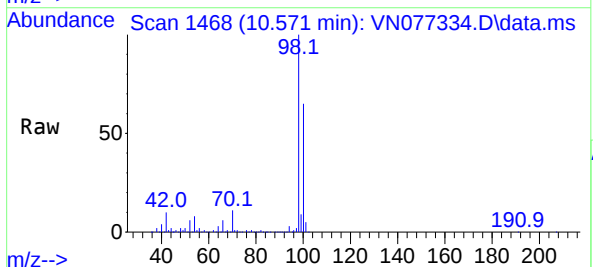
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#06

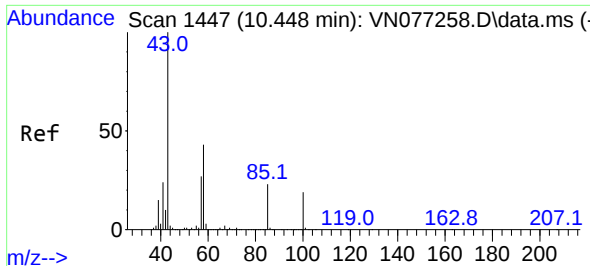
Tgt Ion: 88 Resp: 198
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 4681.8 49.8 74.6#



#50
Toluene-d8
Concen: 49.726 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

Tgt Ion: 98 Resp: 1095082
Ion Ratio Lower Upper
98 100
100 64.0 51.3 76.9

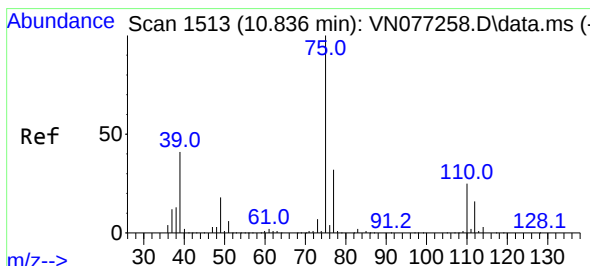
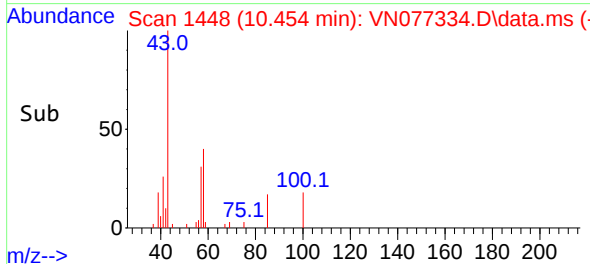
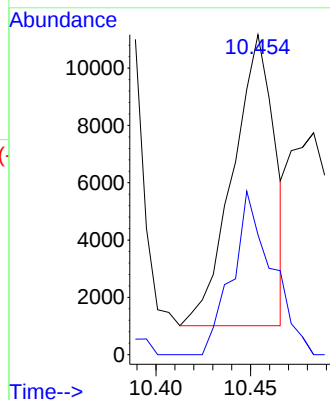
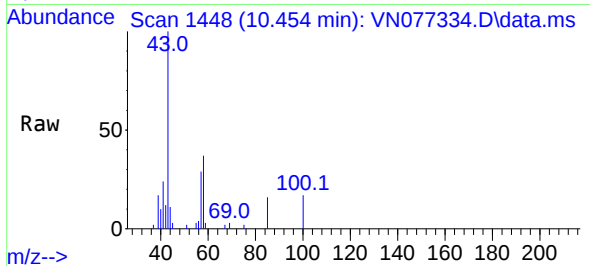




#51
4-Methyl-2-Pentanone
Concen: 2.030 ug/l
RT: 10.454 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

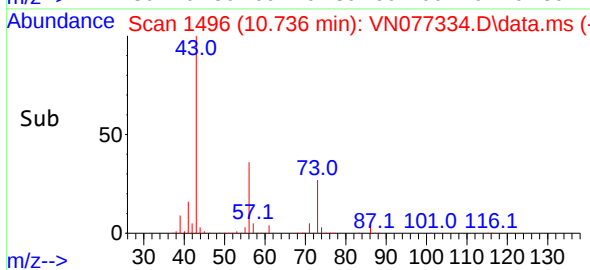
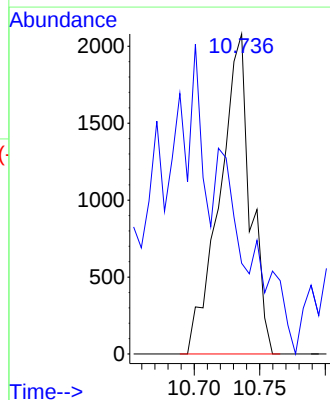
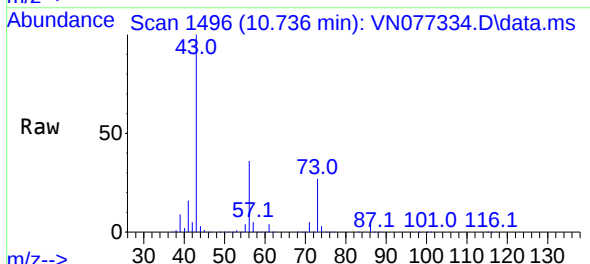
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#06

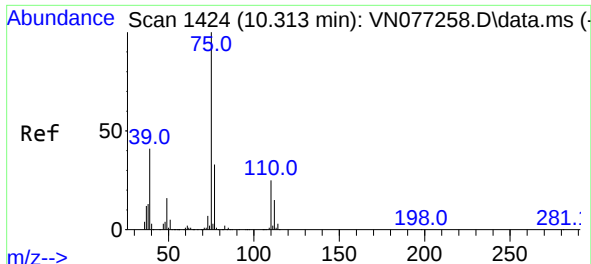
Tgt Ion: 43 Resp: 15677
Ion Ratio Lower Upper
43 100
58 53.1 34.6 52.0#



#53
t-1,3-Dichloropropene
Concen: 0.345 ug/l
RT: 10.736 min Scan# 1496
Delta R.T. -0.100 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

Tgt Ion: 75 Resp: 3382
Ion Ratio Lower Upper
75 100
77 5.4 25.4 38.0#

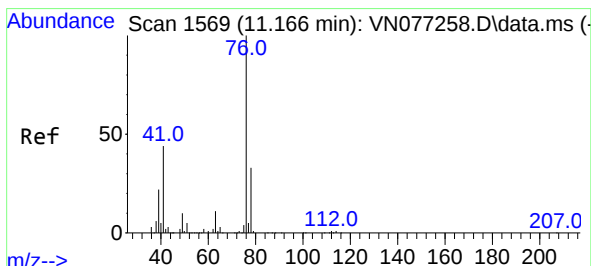
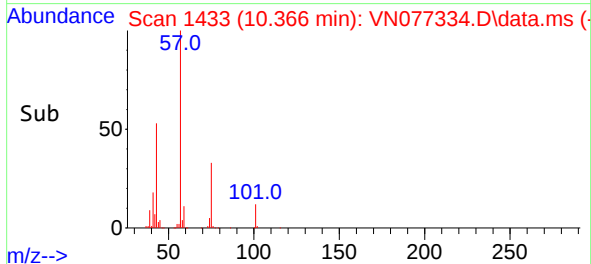
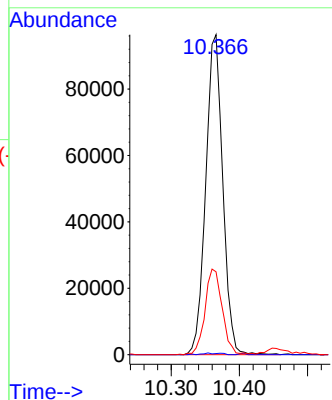
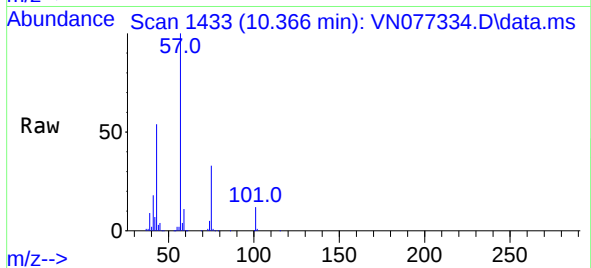




#54
cis-1,3-Dichloropropene
Concen: 16.048 ug/l
RT: 10.366 min Scan# 1424
Delta R.T. 0.053 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

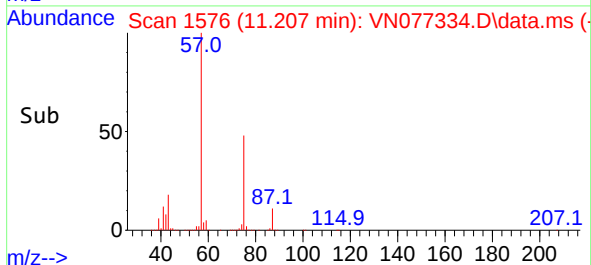
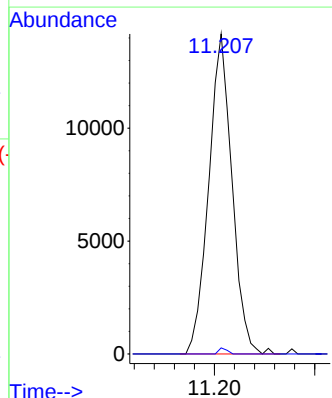
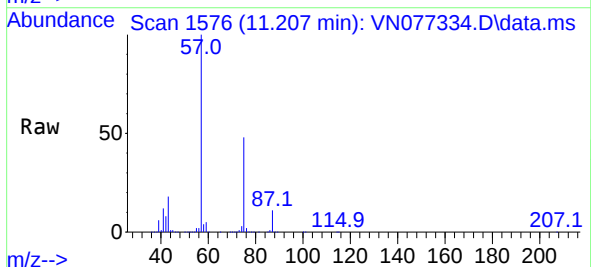
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#06

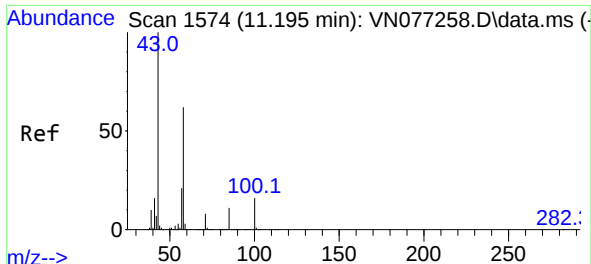
Tgt Ion: 75 Resp: 167542
Ion Ratio Lower Upper
75 100
77 0.3 26.7 40.1#
39 25.7 32.8 49.2#



#57
1,3-Dichloropropane
Concen: 2.135 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.041 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

Tgt Ion: 76 Resp: 22874
Ion Ratio Lower Upper
76 100
78 0.7 26.2 39.4#

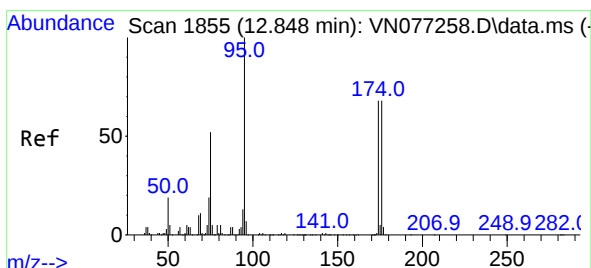
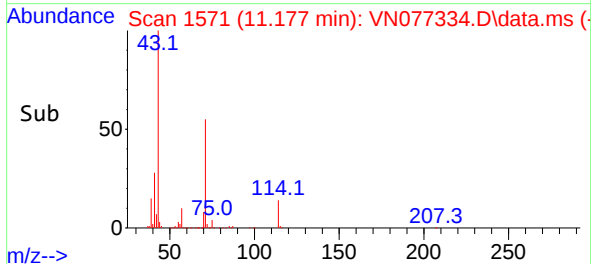
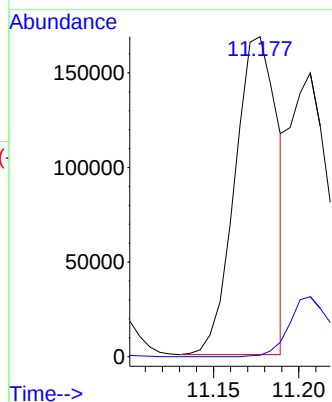
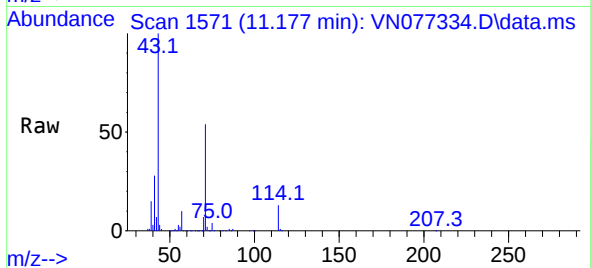




#59
2-Hexanone
Concen: 50.620 ug/l
RT: 11.177 min Scan# 11171
Delta R.T. -0.018 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

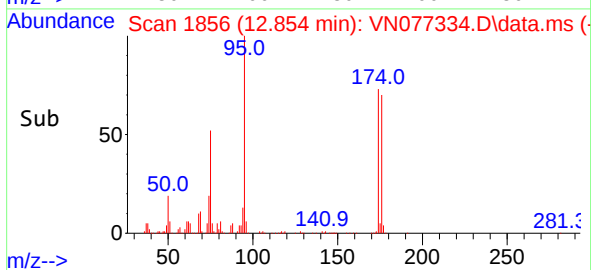
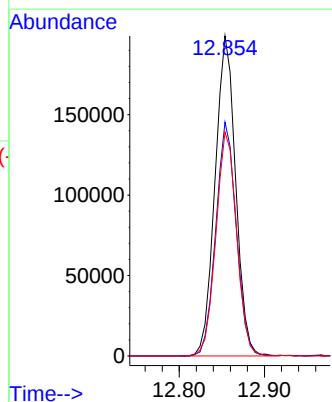
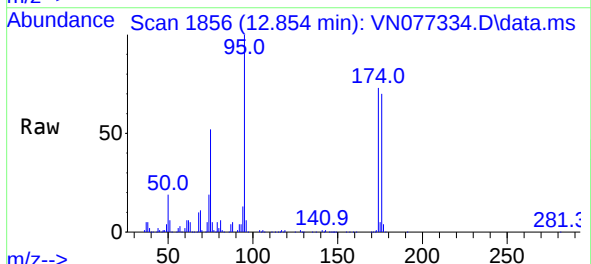
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#06

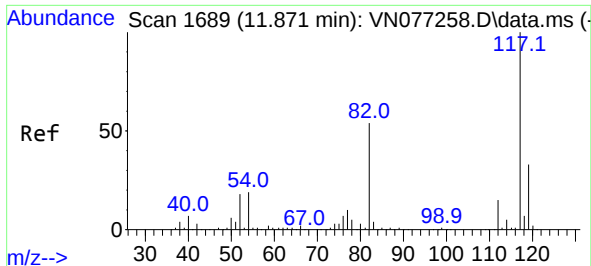
Tgt Ion: 43 Resp: 291171
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 45.523 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

Tgt Ion: 95 Resp: 333422
Ion Ratio Lower Upper
95 100
174 72.6 0.0 146.8
176 70.2 0.0 139.6

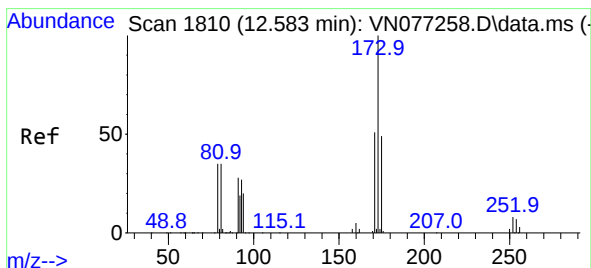
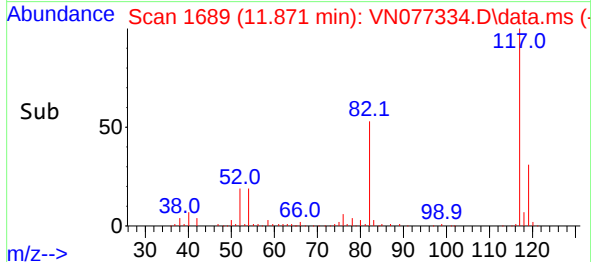
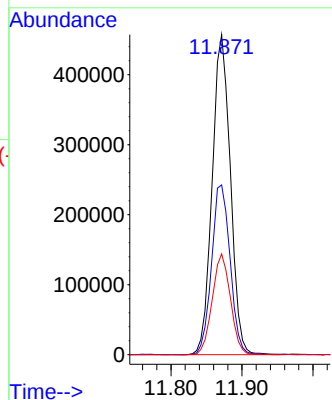
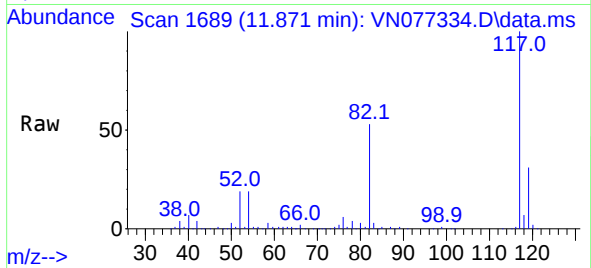




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

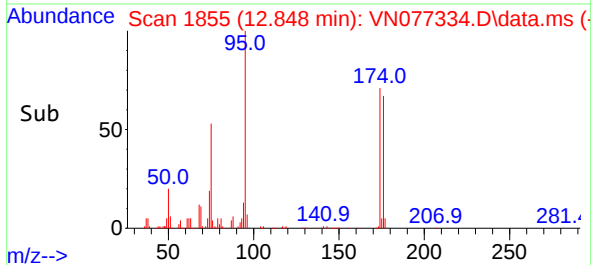
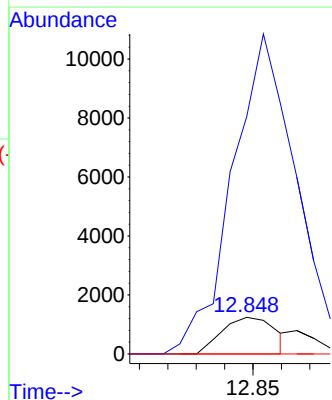
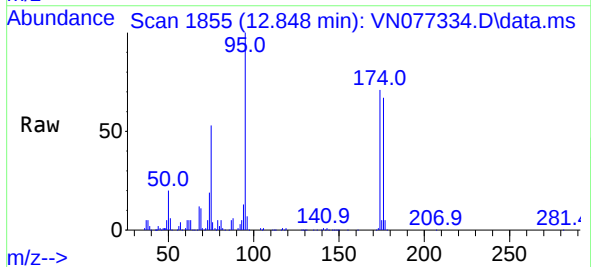
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#06

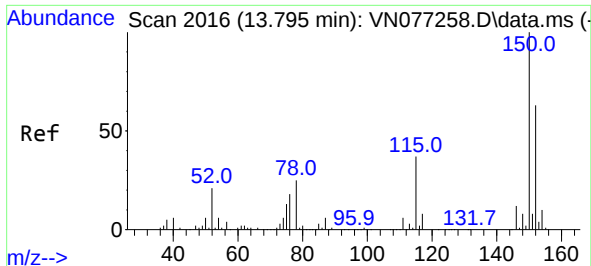
Tgt Ion:117 Resp: 812544
Ion Ratio Lower Upper
117 100
82 53.0 42.9 64.3
119 31.5 26.2 39.4



#71
Bromoform
Concen: 0.341 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.265 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

Tgt Ion:173 Resp: 1627
Ion Ratio Lower Upper
173 100
175 804.2 24.1 72.4#
254 0.0 0.1 0.1#

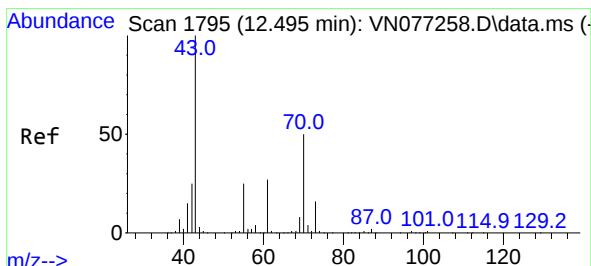
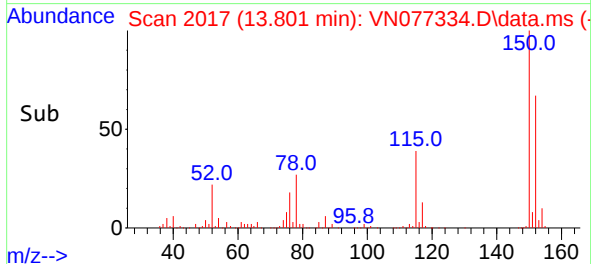
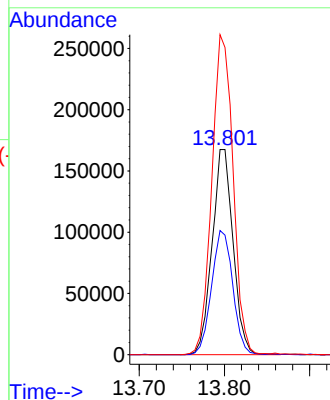
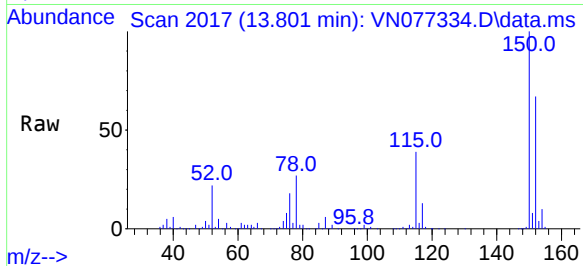




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.801 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

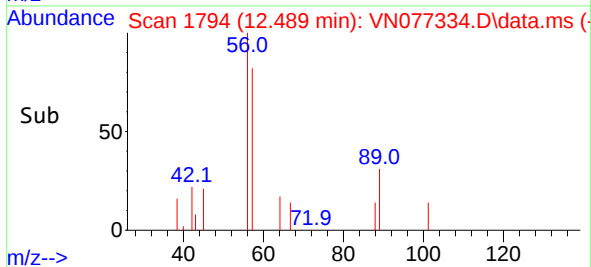
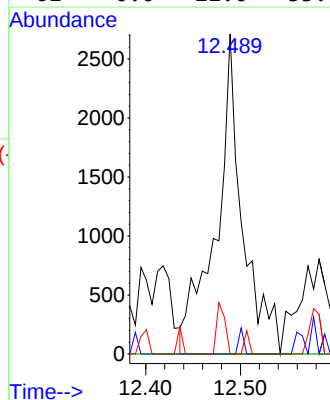
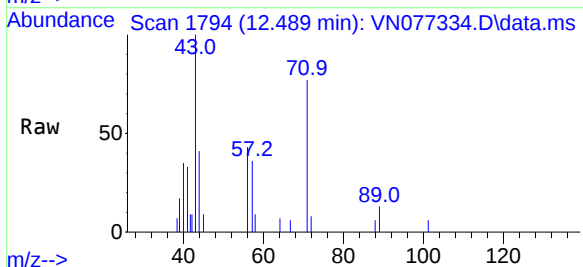
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#06

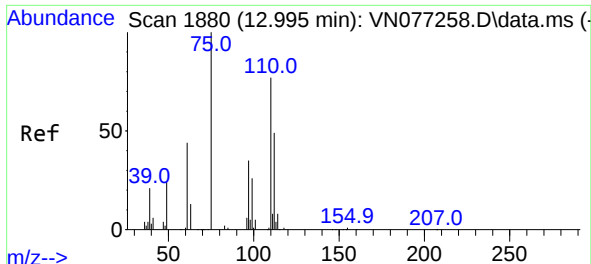
Tgt Ion:152 Resp: 286296
Ion Ratio Lower Upper
152 100
115 61.1 32.1 96.3
150 158.6 0.0 354.8



#74
N-ethyl acetate
Concen: 0.499 ug/l
RT: 12.489 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

Tgt Ion: 43 Resp: 5258
Ion Ratio Lower Upper
43 100
70 1.5 41.0 61.6#
55 0.0 19.3 28.9#
61 0.0 22.0 33.0#

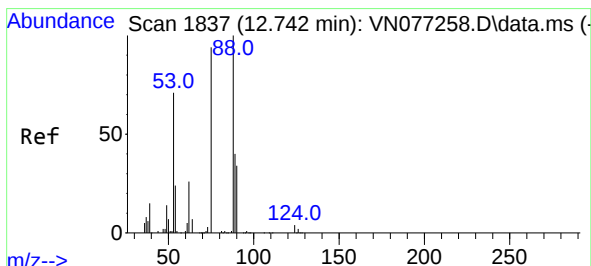
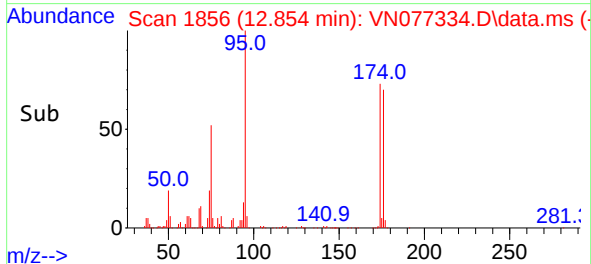
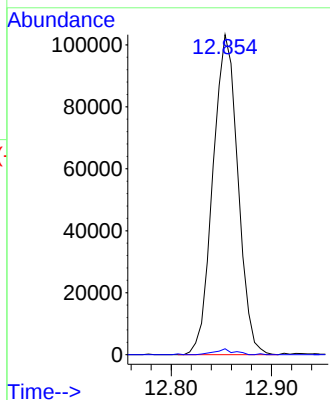
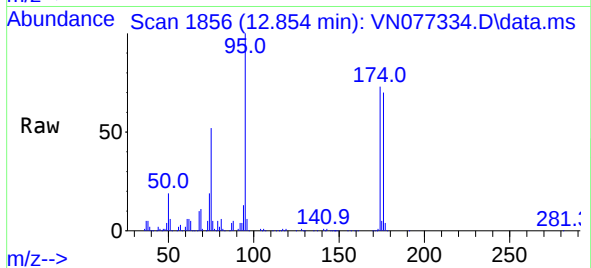




#76
1,2,3-Trichloropropane
Concen: 26.173 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#06

Tgt Ion: 75 Resp: 178434
Ion Ratio Lower Upper
75 100
77 1.4 88.3 264.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.898 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077334.D
Acq: 13 Apr 2023 17:28

Tgt Ion: 75 Resp: 178434
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#

