

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041323\
 Data File : VN077330.D
 Acq On : 13 Apr 2023 15:50
 Operator : JC\MD
 Sample : PB152070ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152070ZHE#02

Quant Time: Apr 14 07:24:45 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)

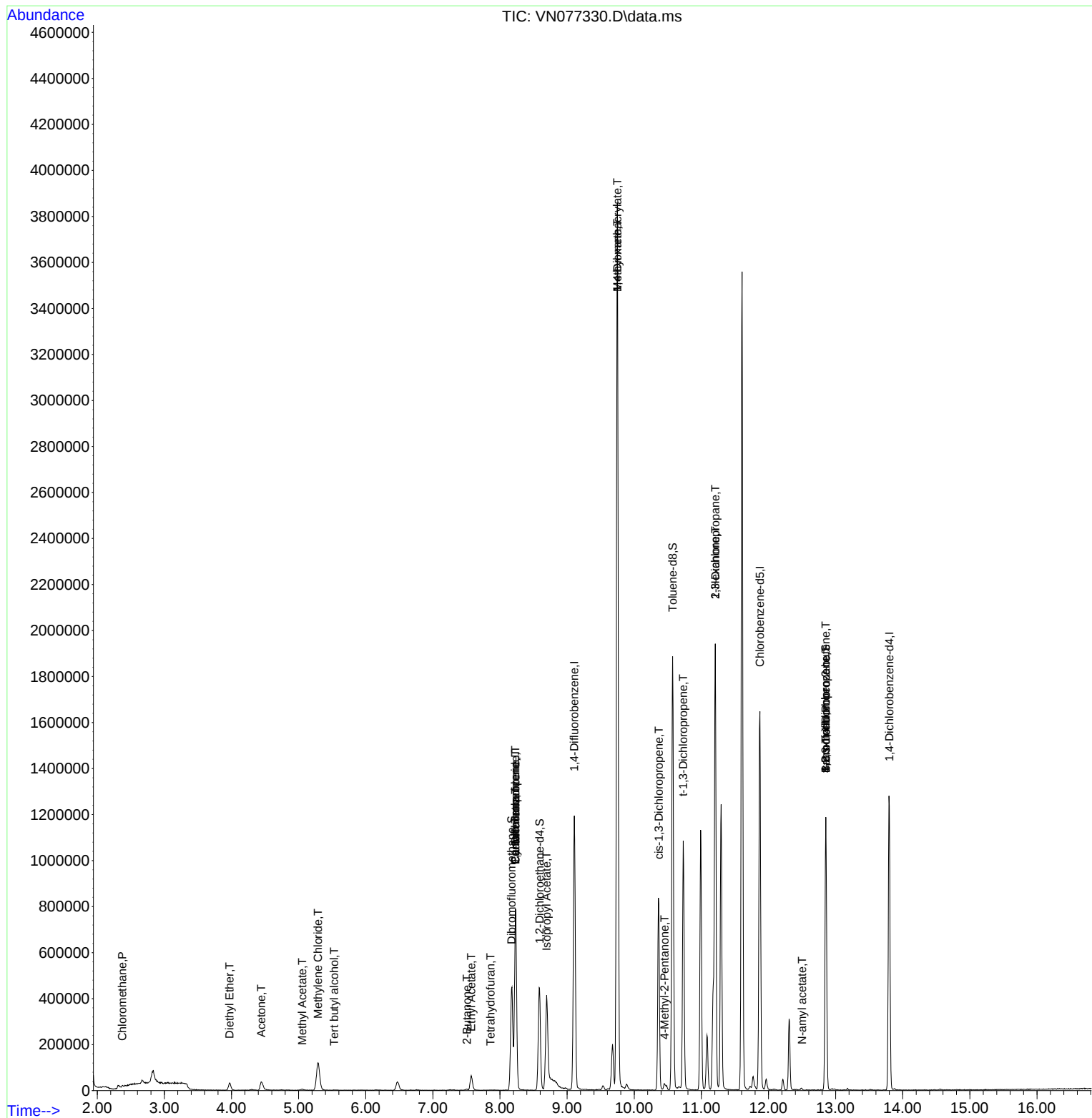
Internal Standards						
1) Pentafluorobenzene	8.230	168	552998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1082282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	992947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.801	152	350131	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	349894	46.294	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.580%
35) Dibromofluoromethane	8.172	113	329350	47.536	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.080%
50) Toluene-d8	10.572	98	1350803	48.430	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.860%
62) 4-Bromofluorobenzene	12.854	95	413244	44.548	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.100%
Target Compounds						
					Qvalue	
3) Chloromethane	2.372	50	1815	0.208	ug/l	95
8) Diethyl Ether	3.972	74	19999	4.641	ug/l	92
11) Tert butyl alcohol	5.531	59	2332	1.512	ug/l #	87
16) Acetone	4.443	43	72307	25.947	ug/l	92
18) Methyl Acetate	5.054	43	4176	0.393	ug/l #	19
20) Methylene Chloride	5.290	84	109286	13.886	ug/l	93
25) 2-Butanone	7.507	43	6898	1.525	ug/l	96
29) Tetrahydrofuran	7.860	42	1359	0.467	ug/l #	59
31) Cyclohexane	8.230	56	13049	1.111	ug/l #	39
36) 1,1-Dichloropropene	8.230	75	49023	4.784	ug/l #	50
37) Ethyl Acetate	7.572	43	91082	9.934	ug/l	99
38) Carbon Tetrachloride	8.230	117	61508	5.859	ug/l #	13
43) Isopropyl Acetate	8.695	43	529116	31.276	ug/l #	83
48) Methyl methacrylate	9.748	41	321708	44.577	ug/l #	33
49) 1,4-Dioxane	9.748	88	751	4.292	ug/l #	1
51) 4-Methyl-2-Pentanone	10.454	43	29439	3.011	ug/l #	76
53) t-1,3-Dichloropropene	10.730	75	3712	0.299	ug/l #	86
54) cis-1,3-Dichloropropene	10.366	75	171568	12.976	ug/l #	60
57) 1,3-Dichloropropane	11.207	76	22759	1.677	ug/l #	42
59) 2-Hexanone	11.207	43	199477	27.381	ug/l #	55
71) Bromoform	12.854	173	1625	0.279	ug/l #	1
74) N-amyl acetate	12.501	43	3222	0.250	ug/l #	51
76) 1,2,3-Trichloropropane	12.854	75	220242	26.416	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	220242	59.444	ug/l #	13

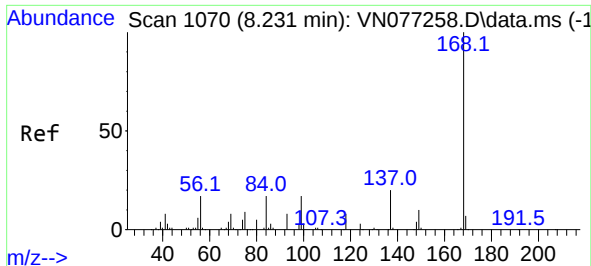
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN077330.D
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Quant Title : SW846 8260
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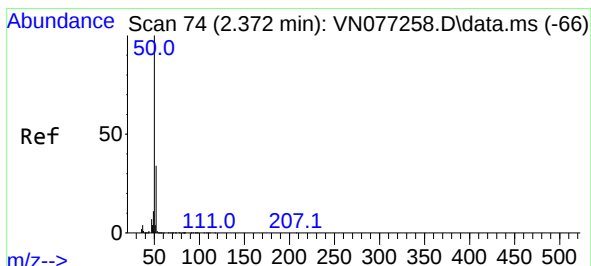
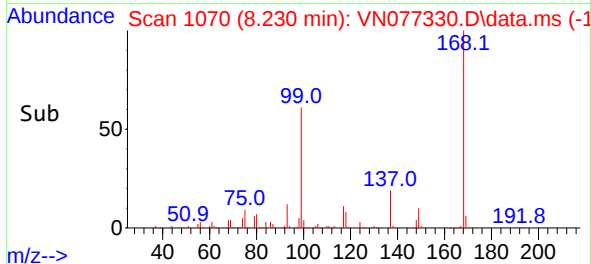
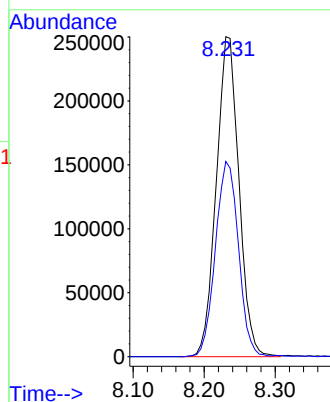
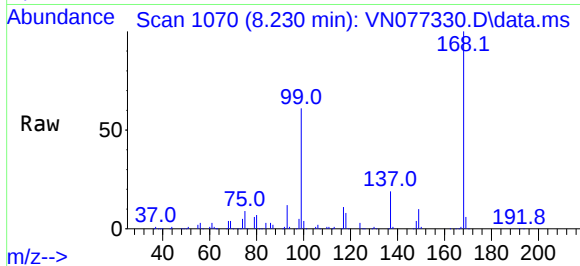




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

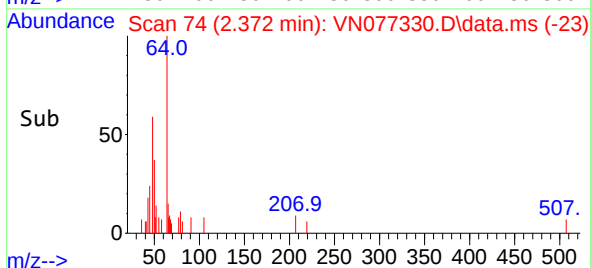
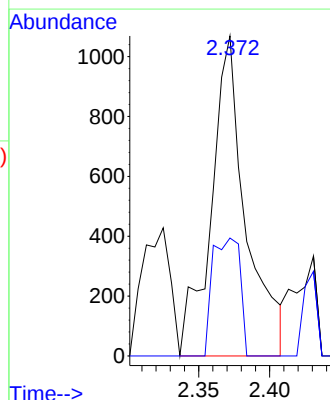
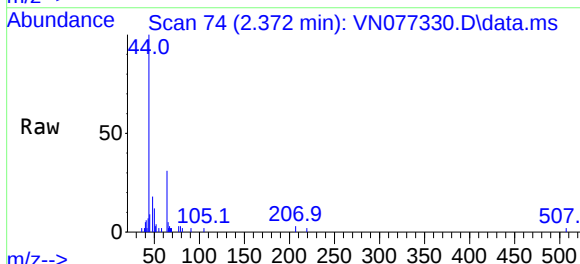
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#02

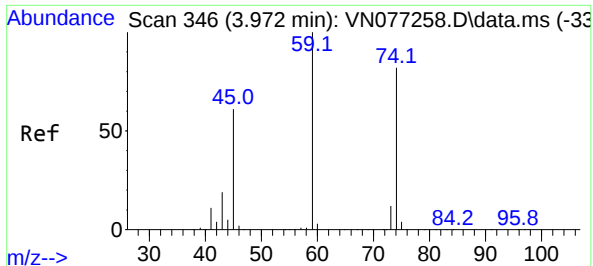
Tgt Ion:168 Resp: 552998
Ion Ratio Lower Upper
168 100
99 61.0 50.6 75.8



#3
Chloromethane
Concen: 0.208 ug/l
RT: 2.372 min Scan# 74
Delta R.T. 0.000 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

Tgt Ion: 50 Resp: 1815
Ion Ratio Lower Upper
50 100
52 36.9 27.3 40.9

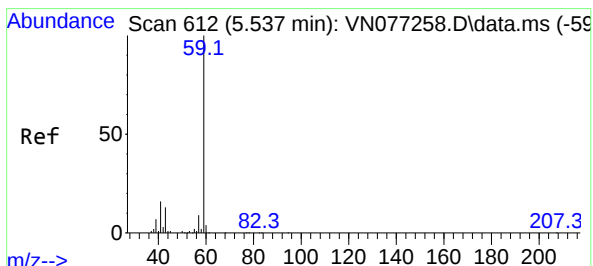
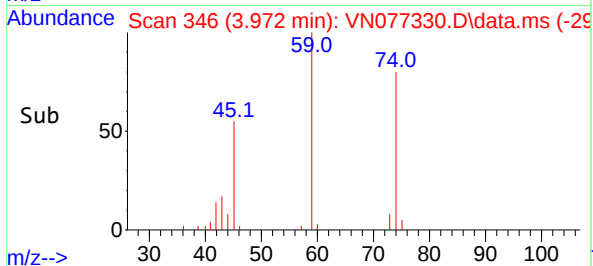
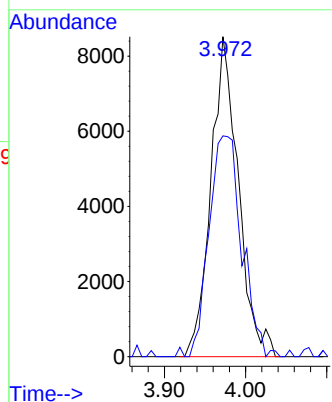
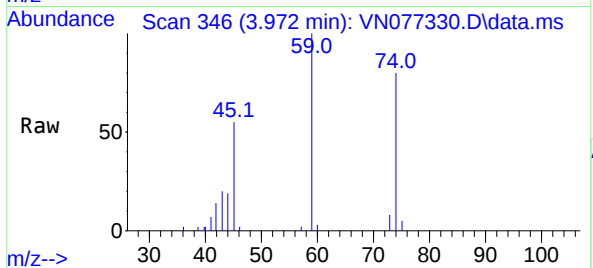




#8
Diethyl Ether
Concen: 4.641 ug/l
RT: 3.972 min Scan# 346
Delta R.T. -0.000 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

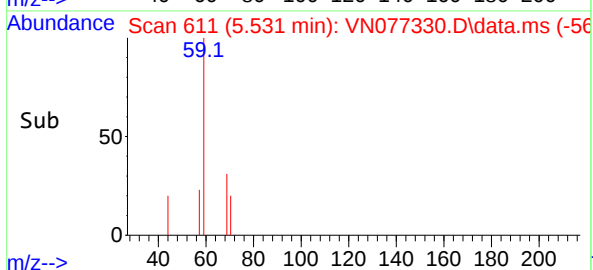
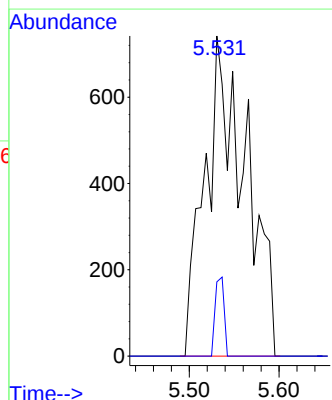
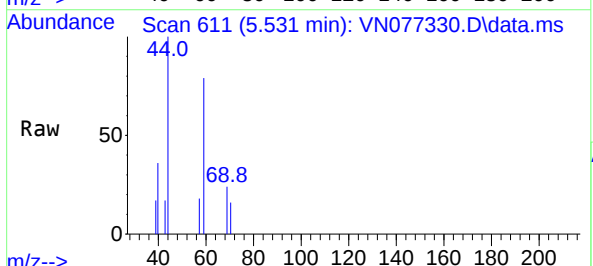
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#02

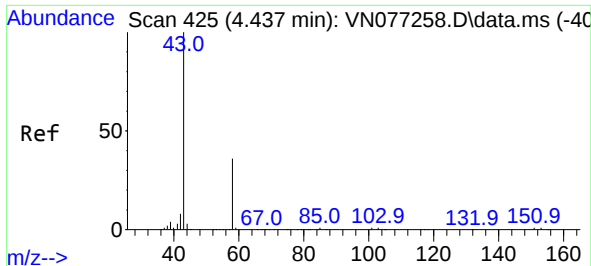
Tgt Ion: 74 Resp: 19999
Ion Ratio Lower Upper
74 100
45 82.4 37.8 113.4



#11
Tert butyl alcohol
Concen: 1.512 ug/l
RT: 5.531 min Scan# 611
Delta R.T. -0.006 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

Tgt Ion: 59 Resp: 2332
Ion Ratio Lower Upper
59 100
57 5.4 8.3 12.5#

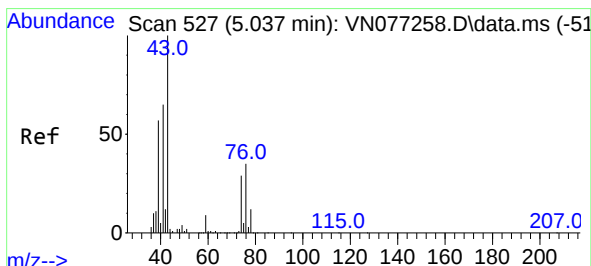
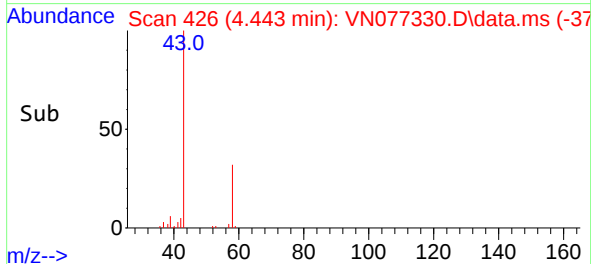
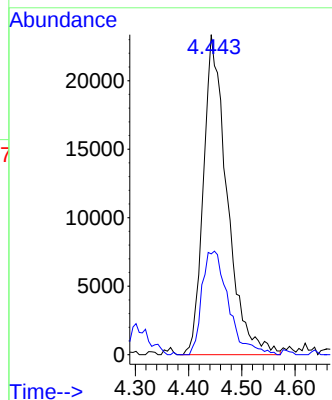
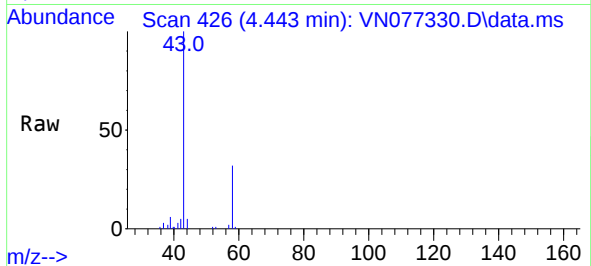




#16
Acetone
Concen: 25.947 ug/l
RT: 4.443 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

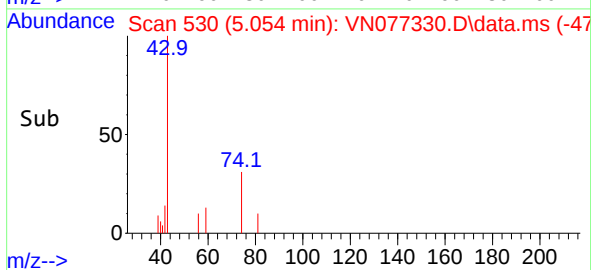
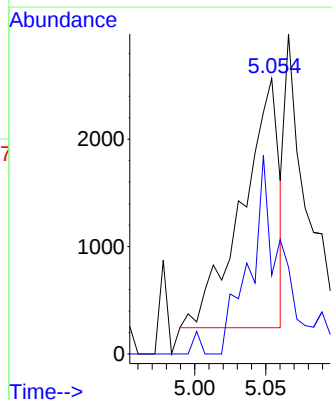
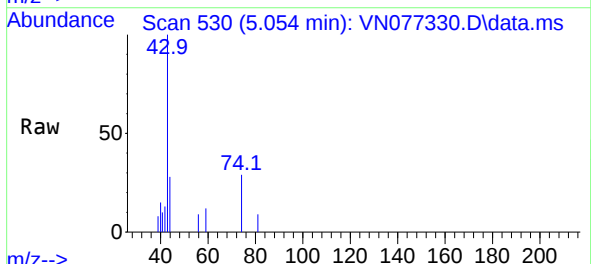
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#02

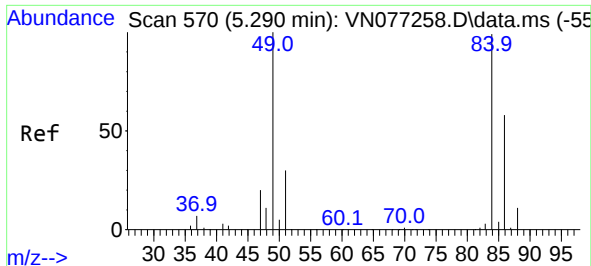
Tgt Ion: 43 Resp: 72307
Ion Ratio Lower Upper
43 100
58 31.5 29.0 43.6



#18
Methyl Acetate
Concen: 0.393 ug/l
RT: 5.054 min Scan# 530
Delta R.T. 0.017 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

Tgt Ion: 43 Resp: 4176
Ion Ratio Lower Upper
43 100
74 72.7 23.4 35.2#



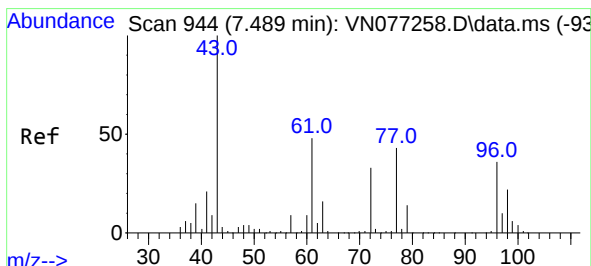
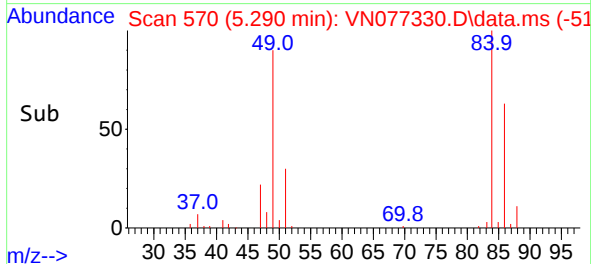
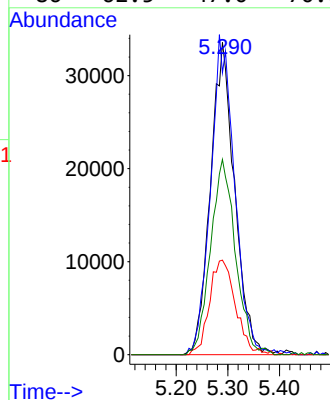
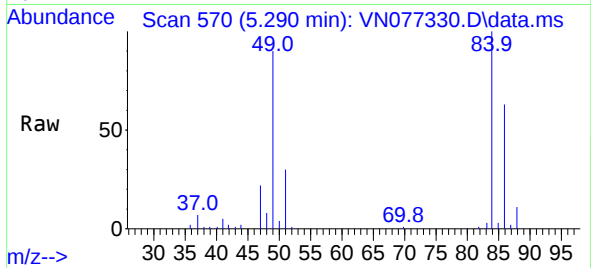


#20
Methylene Chloride
Concen: 13.886 ug/l
RT: 5.290 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#02

Tgt Ion: 84 Resp: 109286

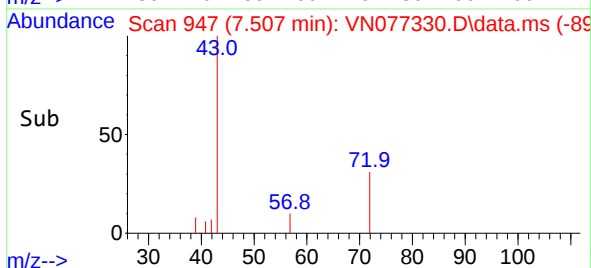
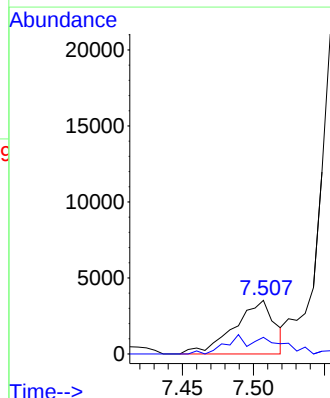
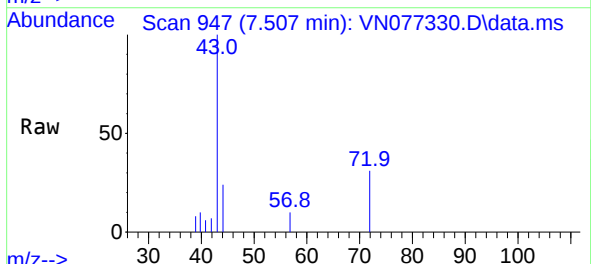
Ion	Ratio	Lower	Upper
84	100		
49	90.3	80.6	121.0
51	30.3	24.4	36.6
86	62.5	47.0	70.6

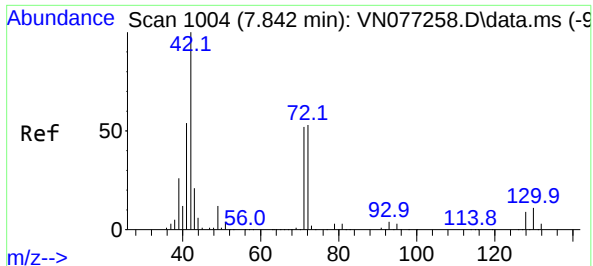


#25
2-Butanone
Concen: 1.525 ug/l
RT: 7.507 min Scan# 947
Delta R.T. 0.018 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

Tgt Ion: 43 Resp: 6898

Ion	Ratio	Lower	Upper
43	100		
72	31.0	26.6	39.8

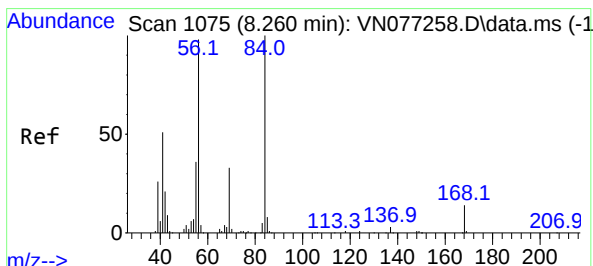
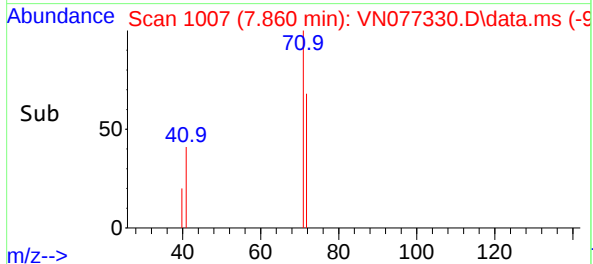
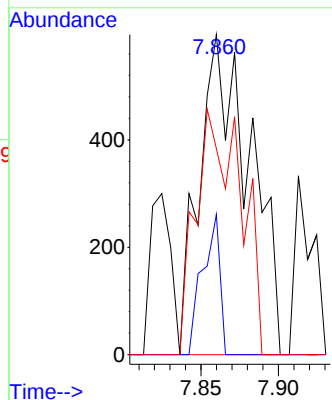
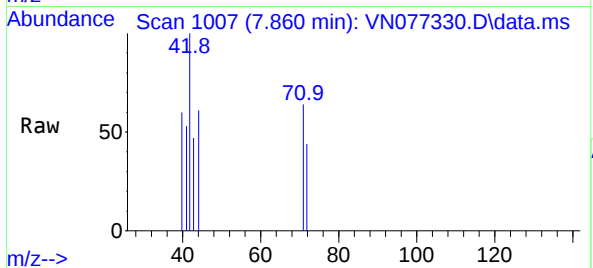




#29
Tetrahydrofuran
Concen: 0.467 ug/l
RT: 7.860 min Scan# 10
Delta R.T. 0.018 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

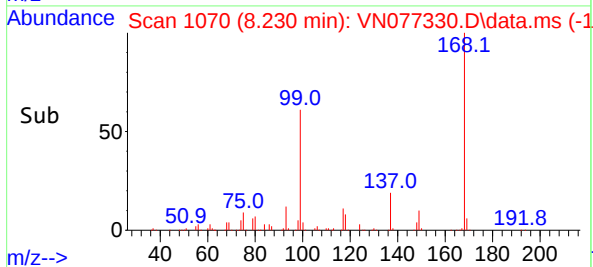
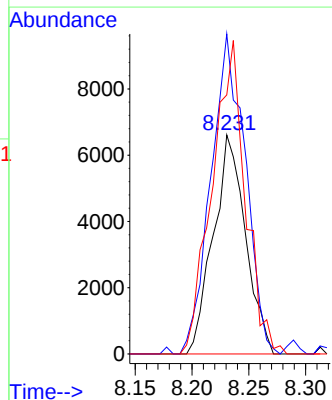
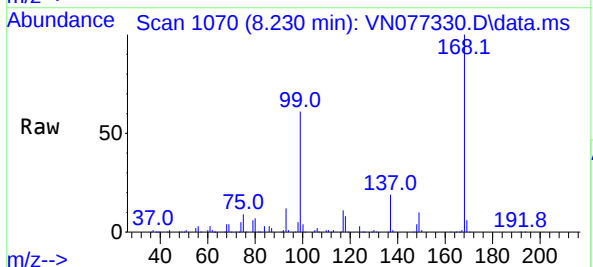
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#02

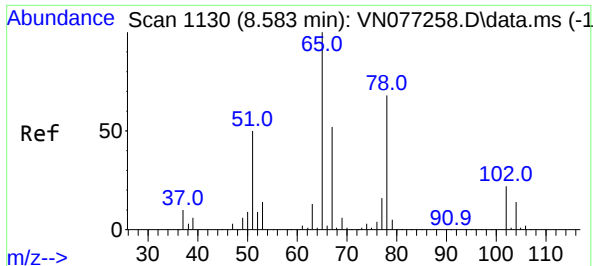
Tgt Ion: 42 Resp: 1359
Ion Ratio Lower Upper
42 100
72 15.0 44.6 66.8#
71 68.4 41.3 61.9#



#31
Cyclohexane
Concen: 1.111 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.030 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

Tgt Ion: 56 Resp: 13049
Ion Ratio Lower Upper
56 100
69 146.1 26.6 40.0#
84 118.2 81.8 122.8





#33

1,2-Dichloroethane-d4

Concen: 46.294 ug/l

RT: 8.589 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VN077330.D

Acq: 13 Apr 2023 15:50

Instrument :

MSVOA_N

ClientSampleId :

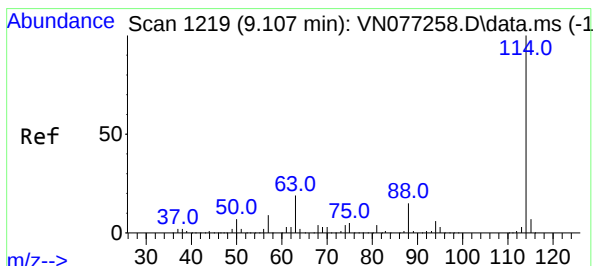
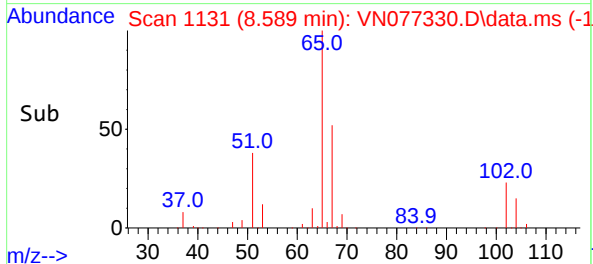
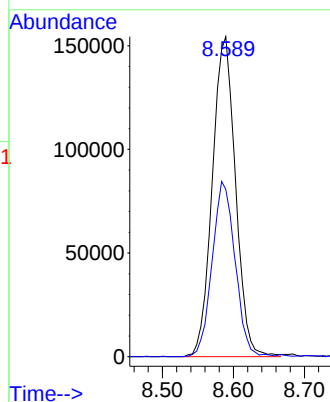
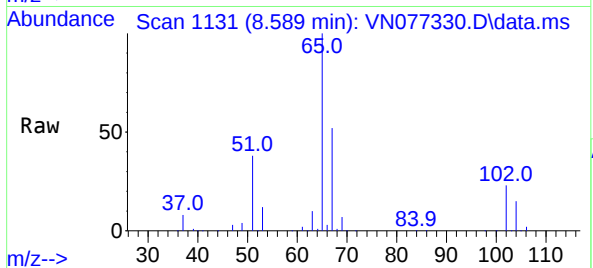
PB152070ZHE#02

Tgt Ion: 65 Resp: 349894

Ion Ratio Lower Upper

65 100

67 54.1 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: VN077330.D

Acq: 13 Apr 2023 15:50

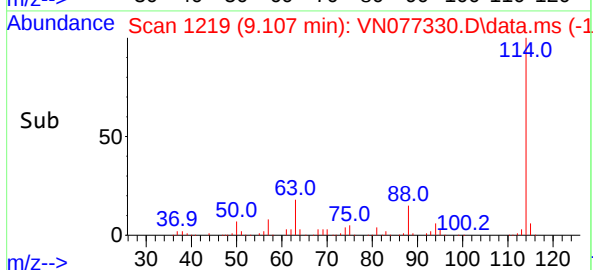
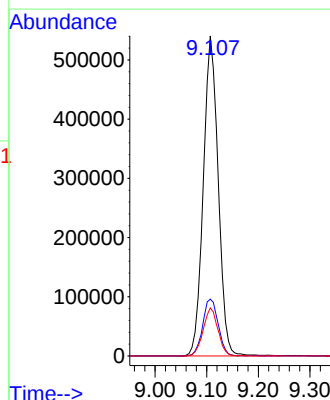
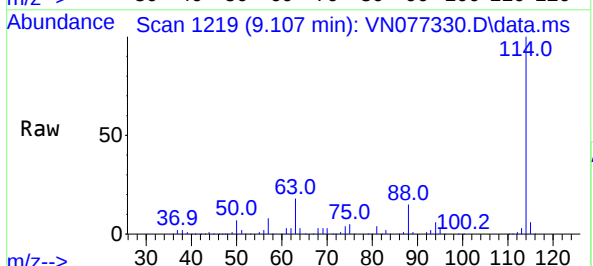
Tgt Ion: 114 Resp: 1082282

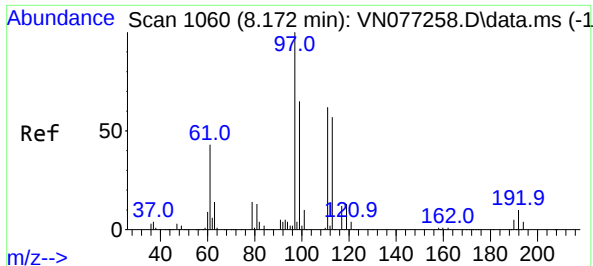
Ion Ratio Lower Upper

114 100

63 17.7 0.0 37.8

88 15.0 0.0 29.4

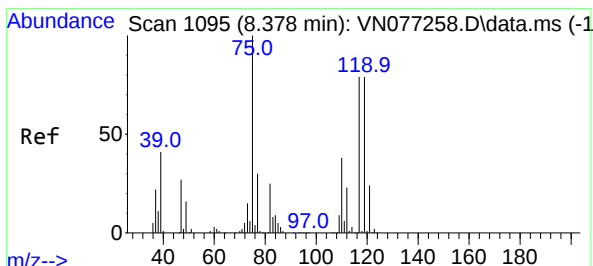
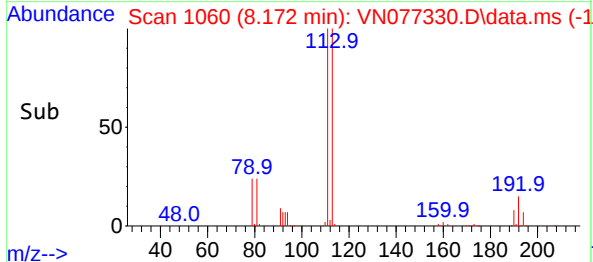
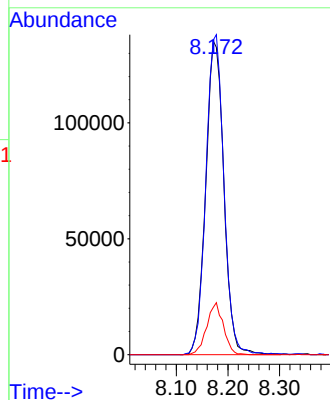
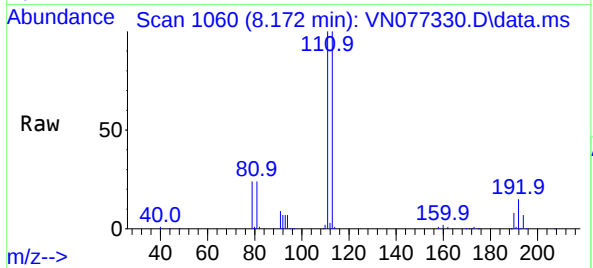




#35
Dibromofluoromethane
Concen: 47.536 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

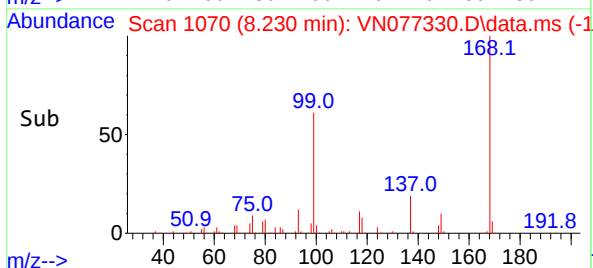
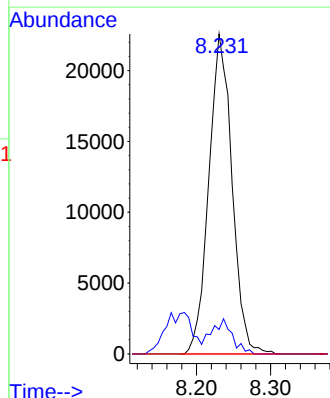
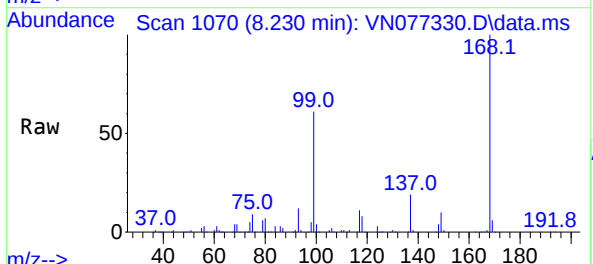
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#02

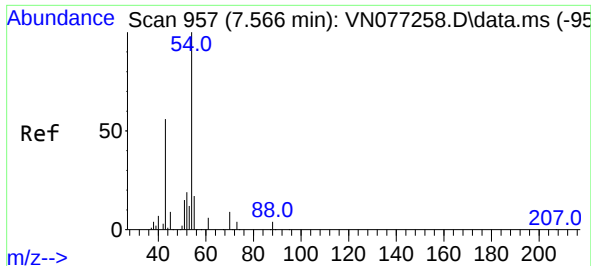
Tgt Ion:113 Resp: 329350
Ion Ratio Lower Upper
113 100
111 101.2 83.4 125.0
192 15.3 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.784 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.148 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

Tgt Ion: 75 Resp: 49023
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.5#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 9.934 ug/l

RT: 7.572 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN077330.D

Acq: 13 Apr 2023 15:50

Instrument :

MSVOA_N

ClientSampleId :

PB152070ZHE#02

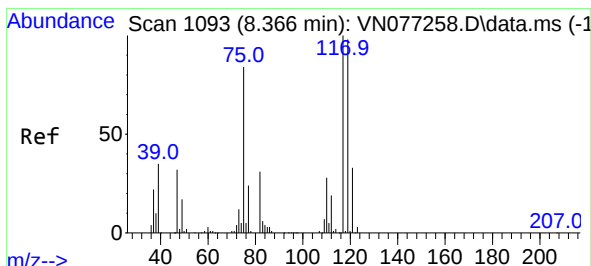
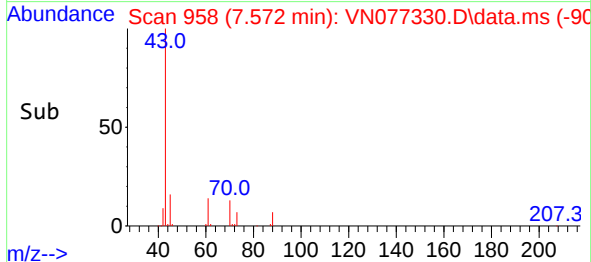
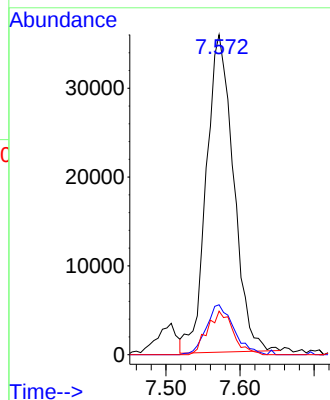
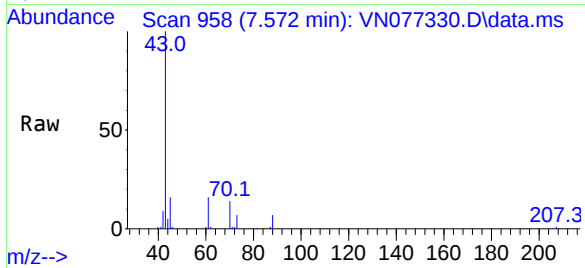
Tgt Ion: 43 Resp: 91082

Ion Ratio Lower Upper

43 100

61 15.9 12.2 18.2

70 13.0 10.0 15.0



#38

Carbon Tetrachloride

Concen: 5.859 ug/l

RT: 8.230 min Scan# 1070

Delta R.T. -0.136 min

Lab File: VN077330.D

Acq: 13 Apr 2023 15:50

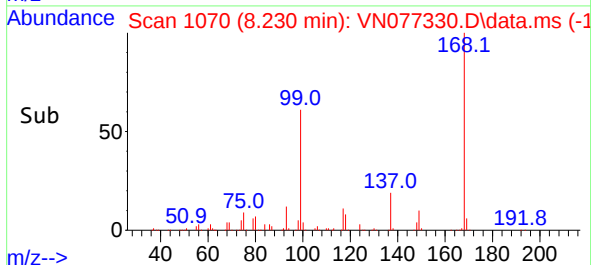
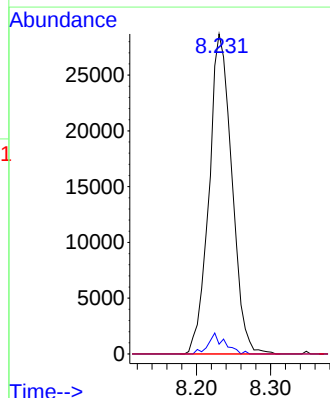
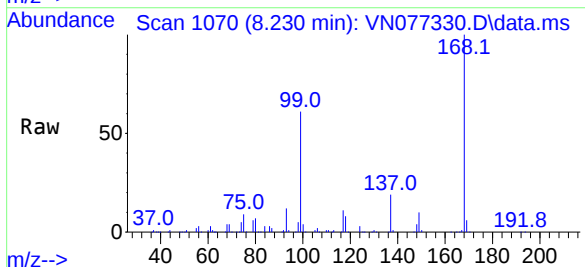
Tgt Ion: 117 Resp: 61508

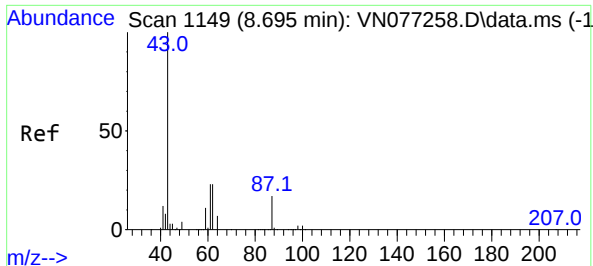
Ion Ratio Lower Upper

117 100

119 3.1 78.5 117.7#

121 0.0 26.6 40.0#

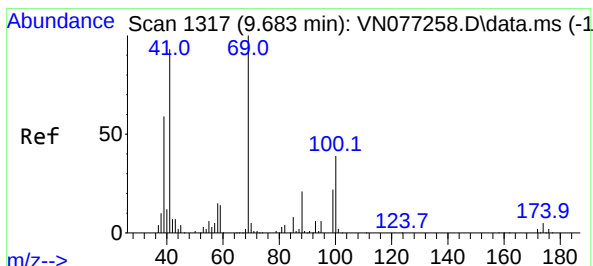
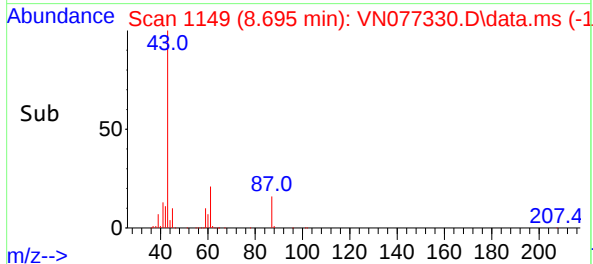
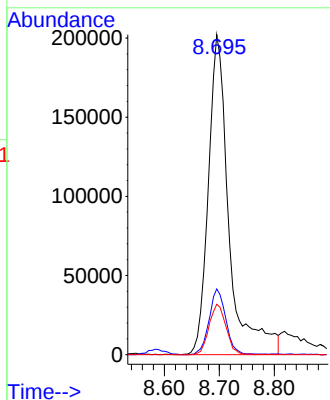
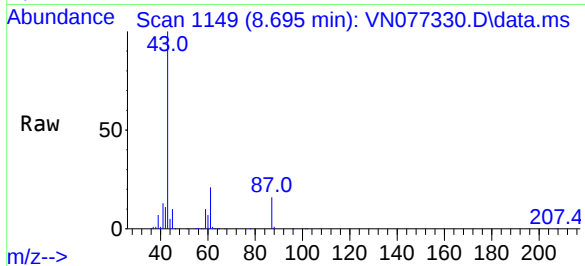




#43
Isopropyl Acetate
Concen: 31.276 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

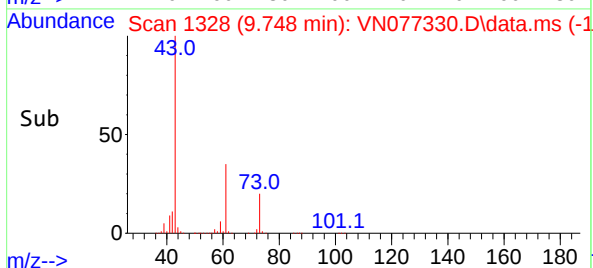
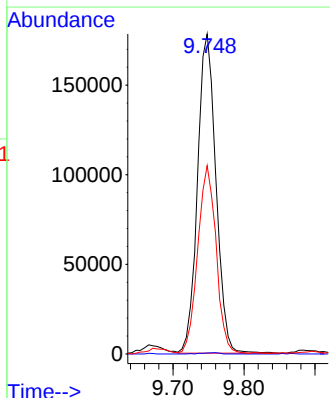
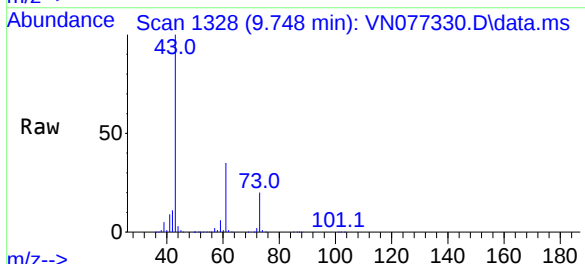
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#02

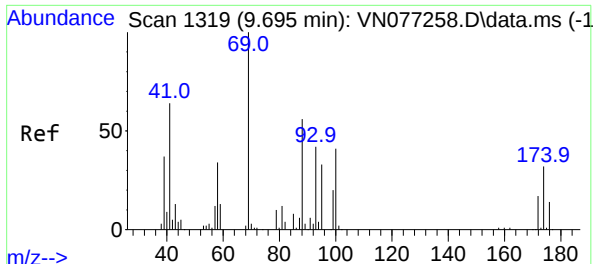
Tgt Ion: 43 Resp: 529116
Ion Ratio Lower Upper
43 100
61 16.7 22.7 34.1#
87 12.9 13.6 20.4#



#48
Methyl methacrylate
Concen: 44.577 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.065 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

Tgt Ion: 41 Resp: 321708
Ion Ratio Lower Upper
41 100
69 0.4 85.0 127.6#
39 58.9 53.5 80.3

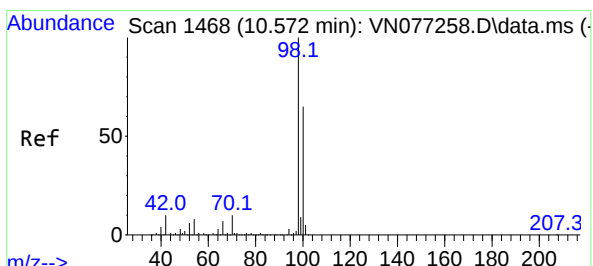
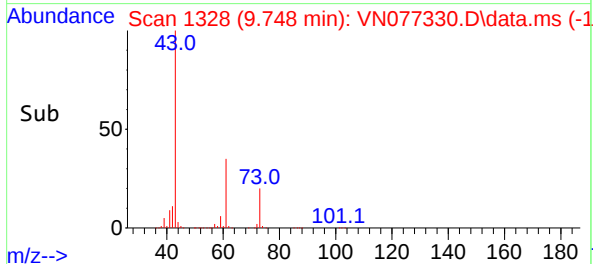
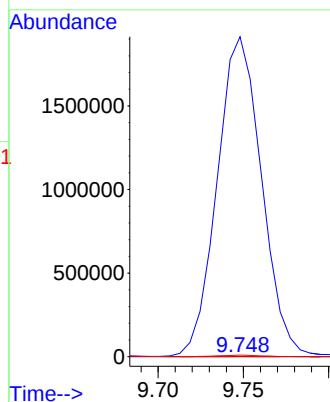
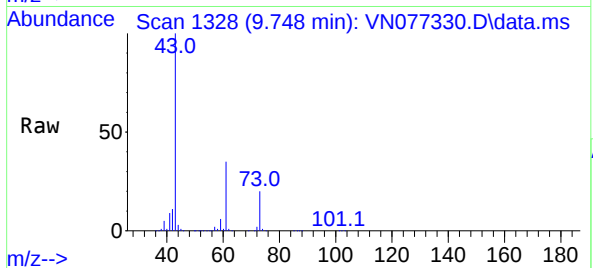




#49
1,4-Dioxane
Concen: 4.292 ug/l
RT: 9.748 min Scan# 1319
Delta R.T. 0.053 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

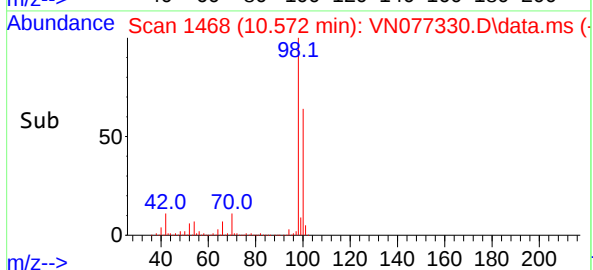
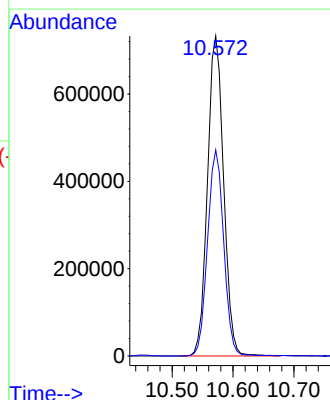
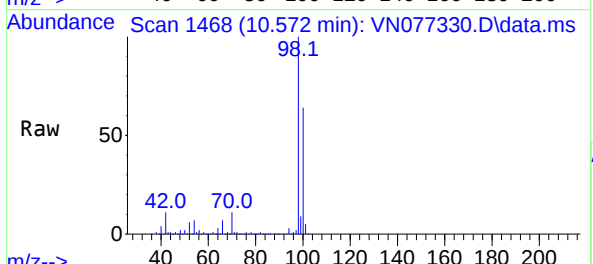
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#02

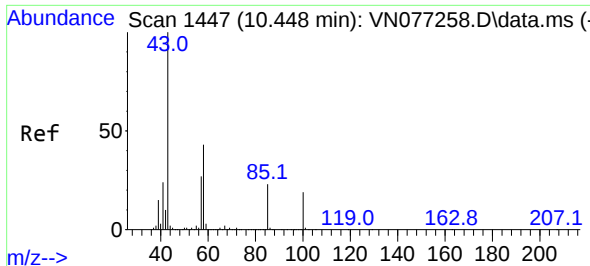
Tgt Ion: 88 Resp: 751
Ion Ratio Lower Upper
88 100
43 464519.3 17.0 25.6#
58 2214.8 49.8 74.6#



#50
Toluene-d8
Concen: 48.430 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

Tgt Ion: 98 Resp: 1350803
Ion Ratio Lower Upper
98 100
100 64.4 51.3 76.9

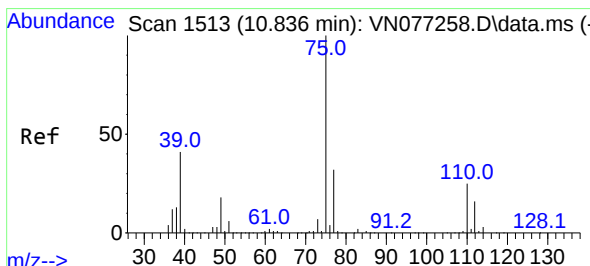
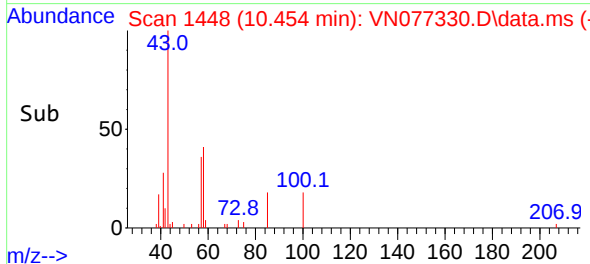
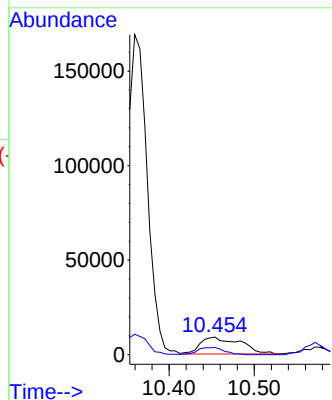
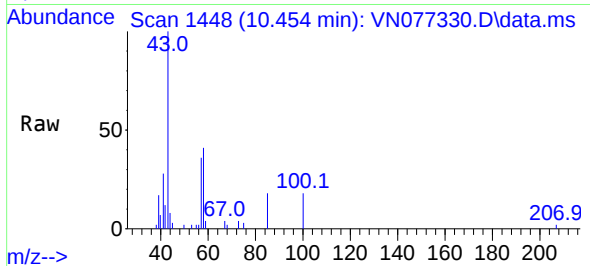




#51
4-Methyl-2-Pentanone
Concen: 3.011 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

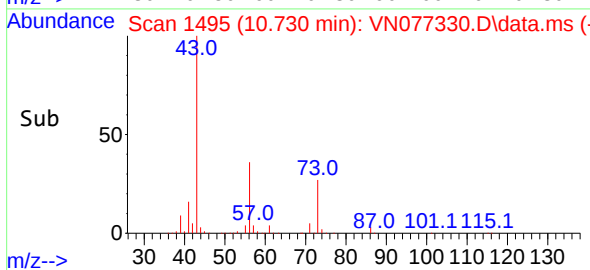
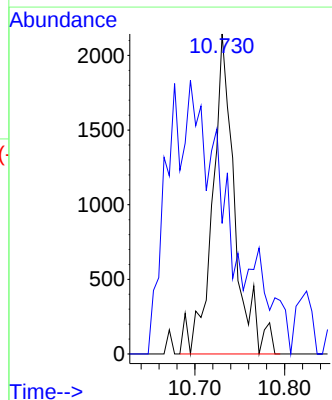
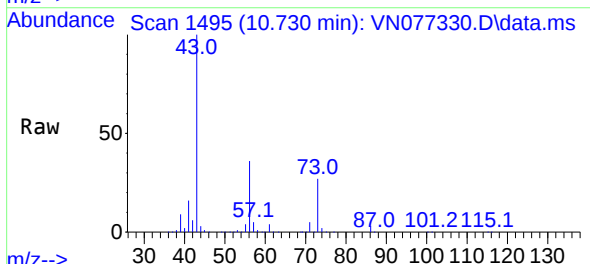
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#02

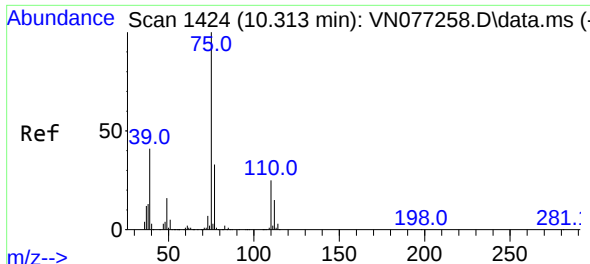
Tgt Ion: 43 Resp: 29439
Ion Ratio Lower Upper
43 100
58 27.6 34.6 52.0#



#53
t-1,3-Dichloropropene
Concen: 0.299 ug/l
RT: 10.730 min Scan# 1495
Delta R.T. -0.106 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

Tgt Ion: 75 Resp: 3712
Ion Ratio Lower Upper
75 100
77 24.1 25.4 38.0#

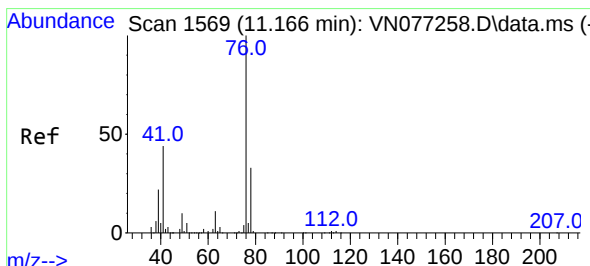
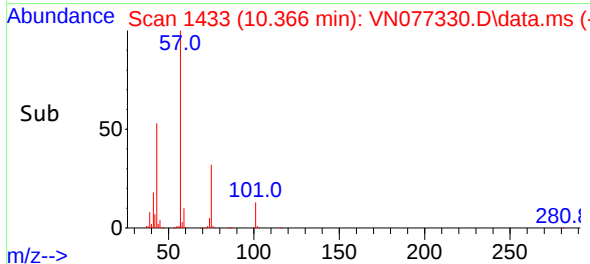
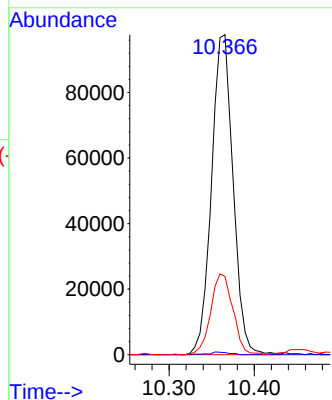
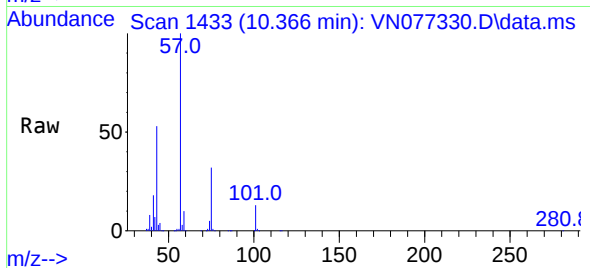




#54
cis-1,3-Dichloropropene
Concen: 12.976 ug/l
RT: 10.366 min Scan# 1424
Delta R.T. 0.053 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

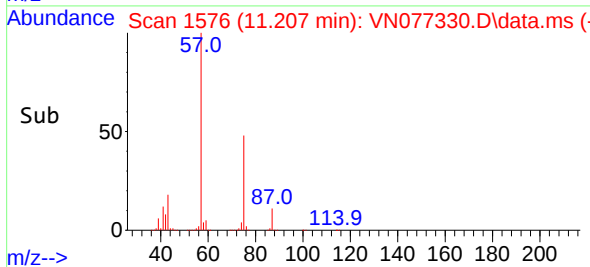
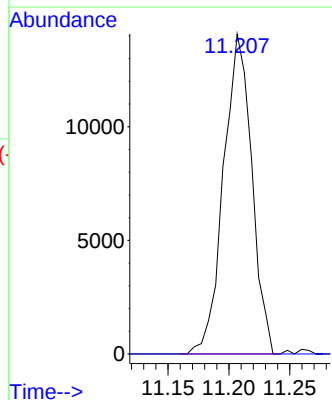
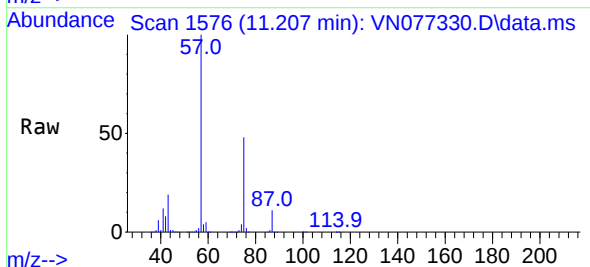
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#02

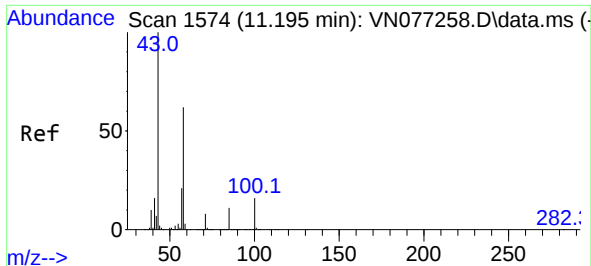
Tgt Ion: 75 Resp: 171568
Ion Ratio Lower Upper
75 100
77 0.6 26.7 40.1#
39 24.4 32.8 49.2#



#57
1,3-Dichloropropane
Concen: 1.677 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.041 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

Tgt Ion: 76 Resp: 22759
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.4#

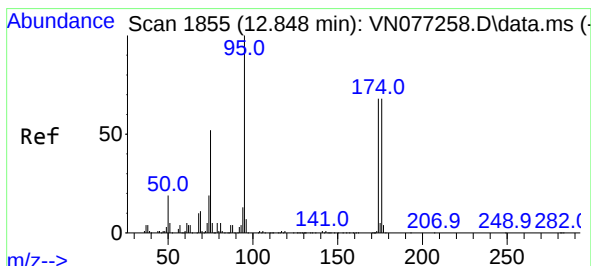
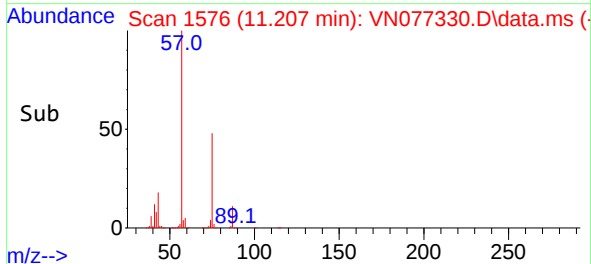
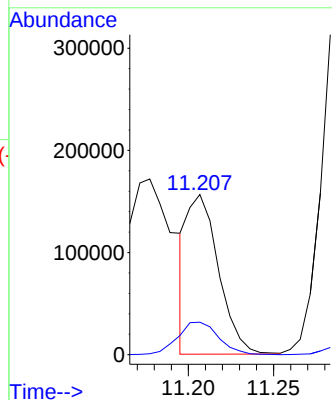
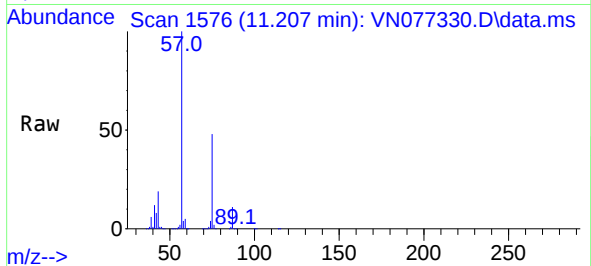




#59
2-Hexanone
Concen: 27.381 ug/l
RT: 11.207 min Scan# 111
Delta R.T. 0.012 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

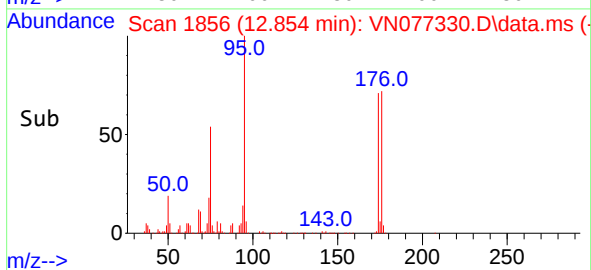
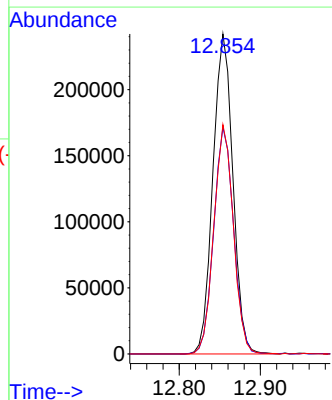
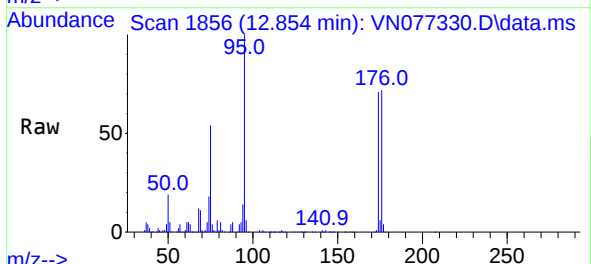
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#02

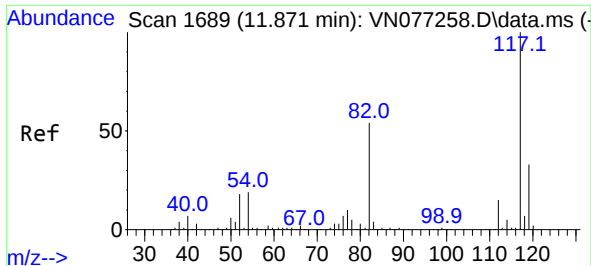
Tgt Ion: 43 Resp: 199477
Ion Ratio Lower Upper
43 100
58 26.9 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 44.548 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

Tgt Ion: 95 Resp: 413244
Ion Ratio Lower Upper
95 100
174 70.8 0.0 146.8
176 70.4 0.0 139.6

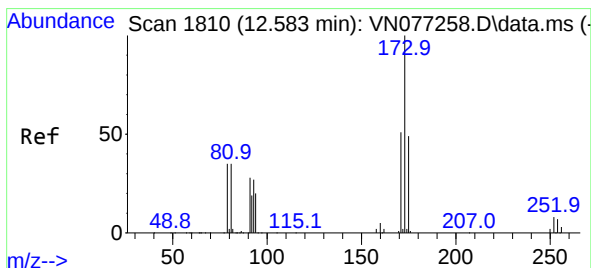
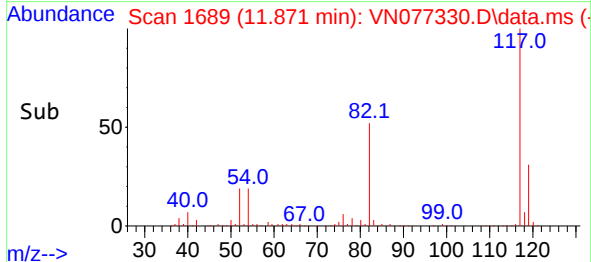
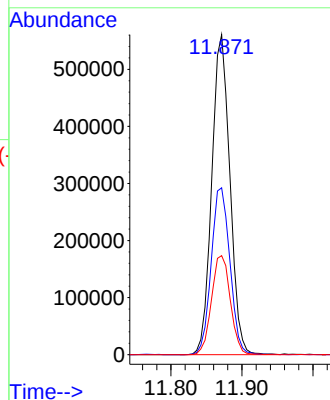
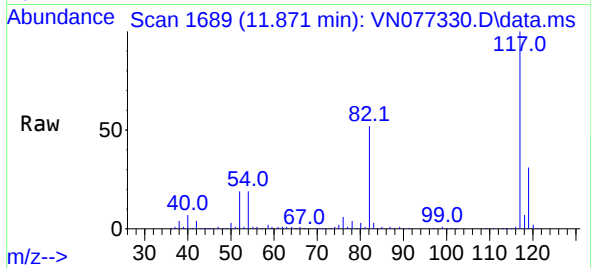




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

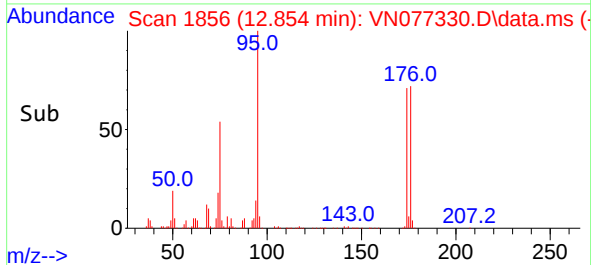
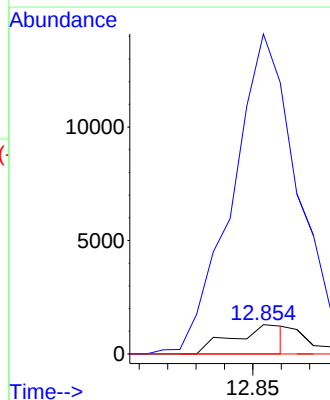
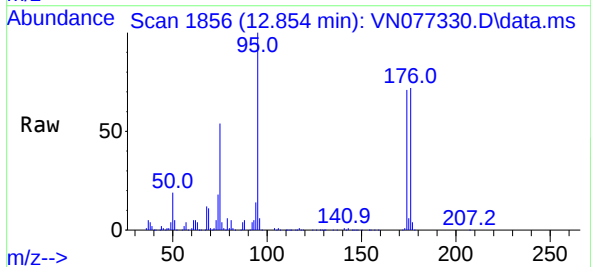
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#02

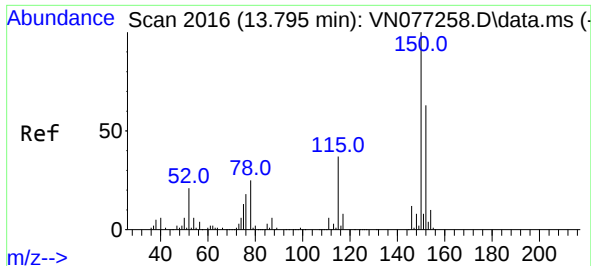
Tgt Ion:117 Resp: 992947
Ion Ratio Lower Upper
117 100
82 52.2 42.9 64.3
119 31.0 26.2 39.4



#71
Bromoform
Concen: 0.279 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

Tgt Ion:173 Resp: 1625
Ion Ratio Lower Upper
173 100
175 1077.8 24.1 72.4#
254 0.0 0.1 0.1#

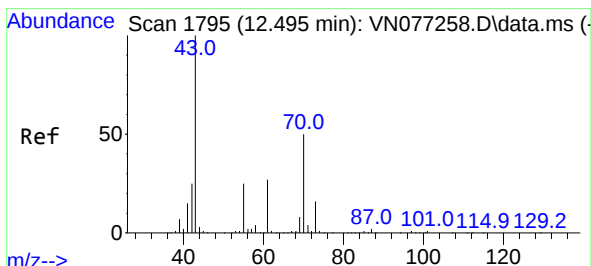
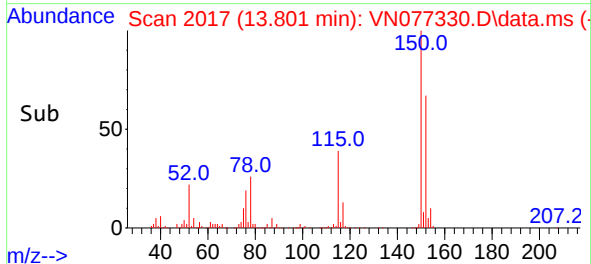
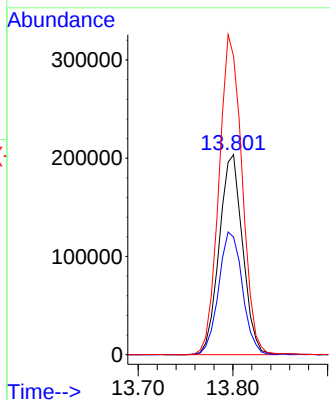
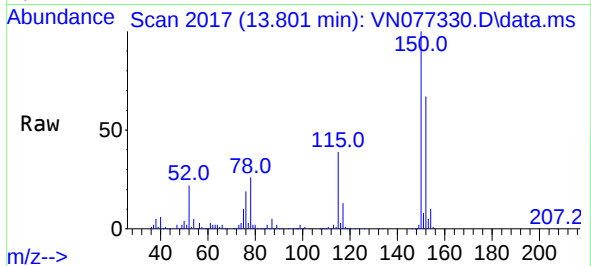




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.801 min Scan# 2016
Delta R.T. 0.006 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

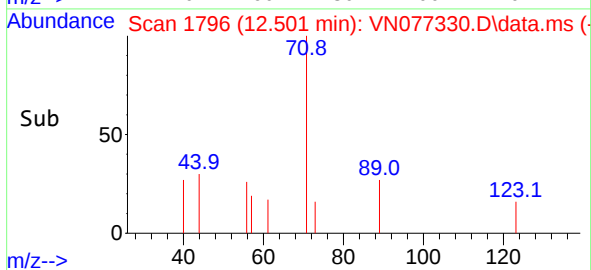
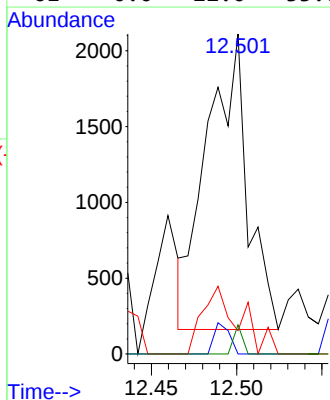
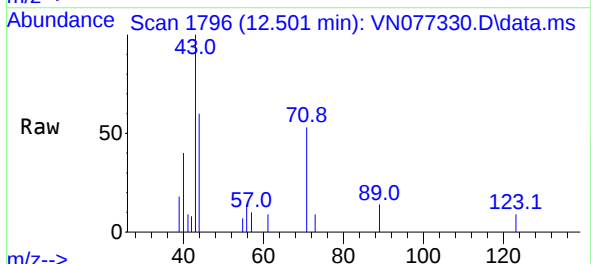
Instrument :
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ClientSampleId :
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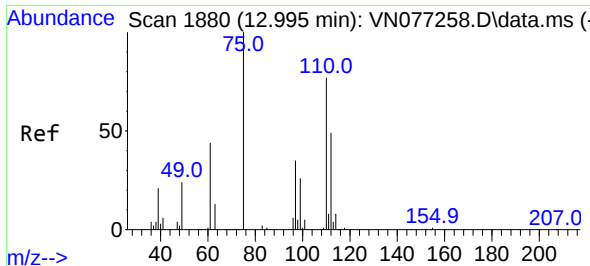
Tgt Ion:152 Resp: 350131
Ion Ratio Lower Upper
152 100
115 62.4 32.1 96.3
150 158.1 0.0 354.8



#74
N-ethyl acetate
Concen: 0.250 ug/l
RT: 12.501 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

Tgt Ion: 43 Resp: 3222
Ion Ratio Lower Upper
43 100
70 3.9 41.0 61.6#
55 21.1 19.3 28.9
61 0.0 22.0 33.0#

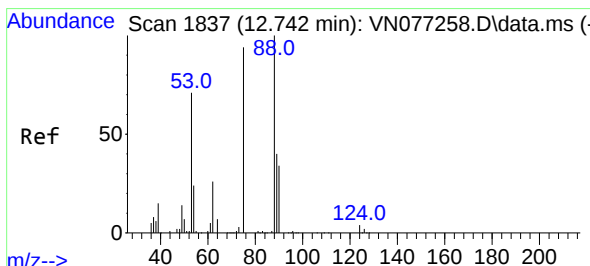
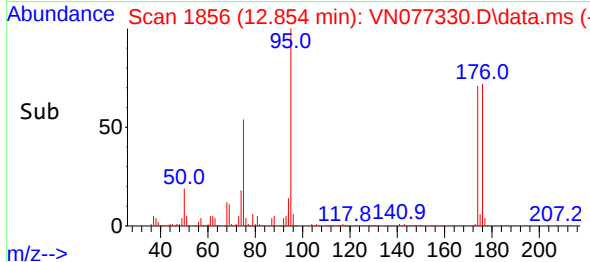
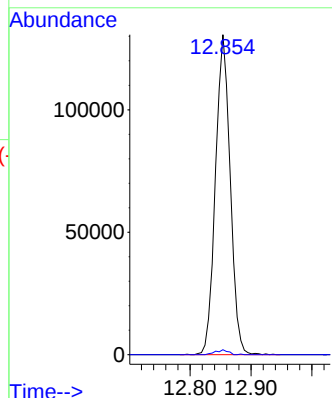
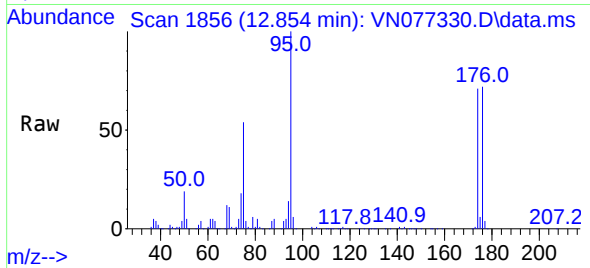




#76
1,2,3-Trichloropropane
Concen: 26.416 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#02

Tgt Ion: 75 Resp: 220242
Ion Ratio Lower Upper
75 100
77 1.3 88.3 264.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.444 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077330.D
Acq: 13 Apr 2023 15:50

Tgt Ion: 75 Resp: 220242
Ion Ratio Lower Upper
75 100
53 0.1 72.8 109.2#
89 0.0 37.4 56.2#

