

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041923\
 Data File : VN077377.D
 Acq On : 19 Apr 2023 15:57
 Operator : JC\MD
 Sample : PB152199ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152199ZHE#05

Quant Time: Apr 20 04:26:30 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

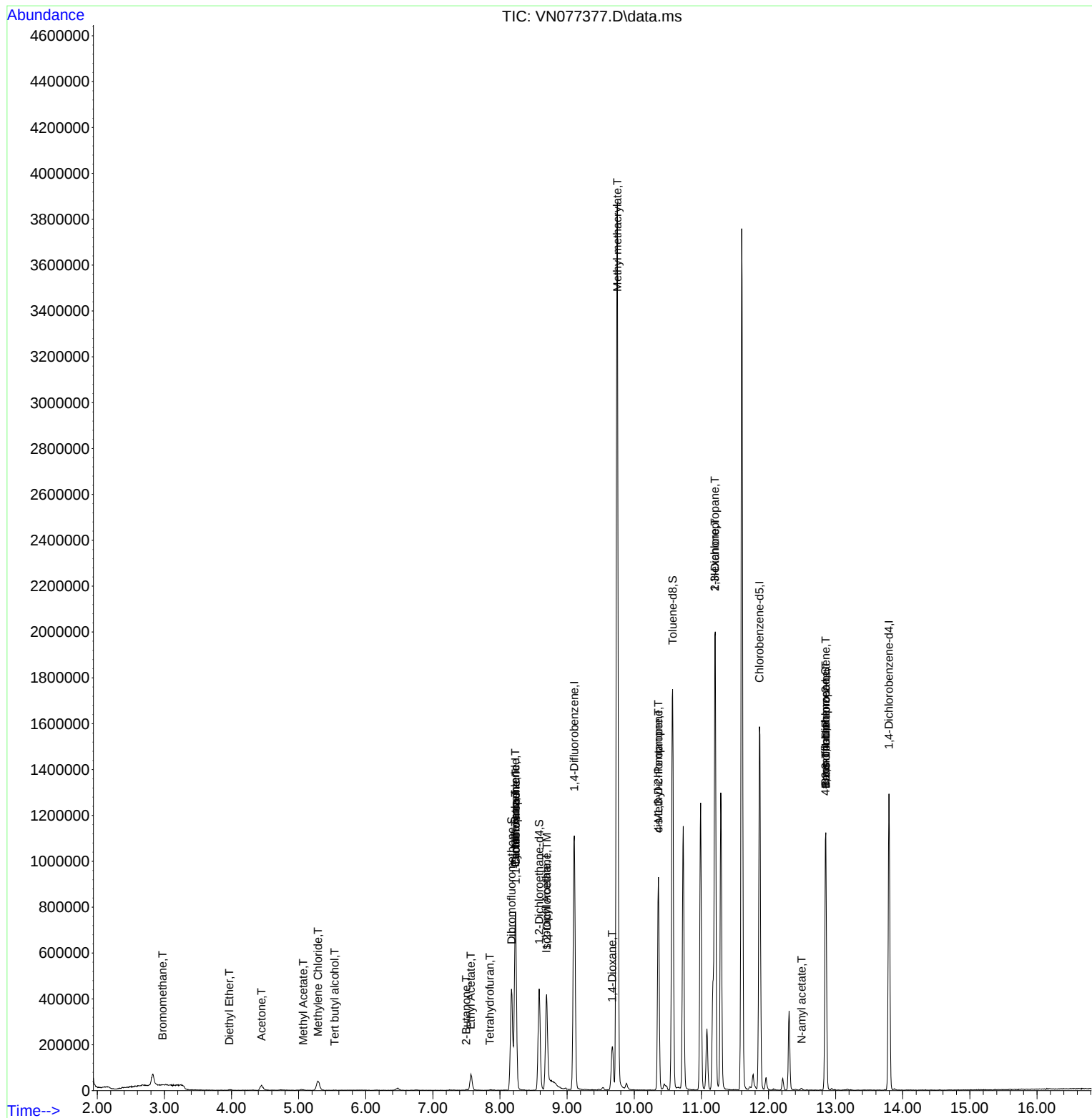
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.231	168	553507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1051103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	950224	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	341347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	345756	45.705	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.400%
35) Dibromofluoromethane	8.172	113	316784	47.079	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.160%
50) Toluene-d8	10.572	98	1273935	47.029	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.060%
62) 4-Bromofluorobenzene	12.848	95	392974	43.620	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.240%
Target Compounds						
					Qvalue	
5) Bromomethane	2.972	94	2975	0.346	ug/l #	79
8) Diethyl Ether	3.966	74	1163	0.270	ug/l #	37
11) Tert butyl alcohol	5.537	59	524	0.339	ug/l #	72
16) Acetone	4.449	43	40900	14.664	ug/l	99
18) Methyl Acetate	5.066	43	7172	0.675	ug/l #	45
20) Methylene Chloride	5.290	84	35379	4.491	ug/l	96
25) 2-Butanone	7.495	43	5065	1.119	ug/l #	87
29) Tetrahydrofuran	7.848	42	703	0.242	ug/l #	46
31) Cyclohexane	8.231	56	13942	1.186	ug/l #	16
36) 1,1-Dichloropropene	8.237	75	46859	4.708	ug/l #	50
37) Ethyl Acetate	7.566	43	93724	10.526	ug/l	94
38) Carbon Tetrachloride	8.231	117	60527	5.936	ug/l #	15
42) 1,2-Dichloroethane	8.695	62	3850	0.403	ug/l #	73
43) Isopropyl Acetate	8.689	43	479569	29.188	ug/l #	89
48) Methyl methacrylate	9.748	41	333851	47.632	ug/l #	33
49) 1,4-Dioxane	9.672	88	206	1.212	ug/l #	1
51) 4-Methyl-2-Pentanone	10.360	43	310080	32.650	ug/l #	43
54) cis-1,3-Dichloropropene	10.360	75	193632	15.079	ug/l #	60
57) 1,3-Dichloropropane	11.201	76	24608	1.868	ug/l #	42
59) 2-Hexanone	11.201	43	238957	33.773	ug/l #	51
71) Bromoform	12.854	173	1947	0.349	ug/l #	1
74) N-amyl acetate	12.495	43	3557	0.283	ug/l #	44
76) 1,2,3-Trichloropropane	12.854	75	219131	26.959	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	219131	60.666	ug/l #	13

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

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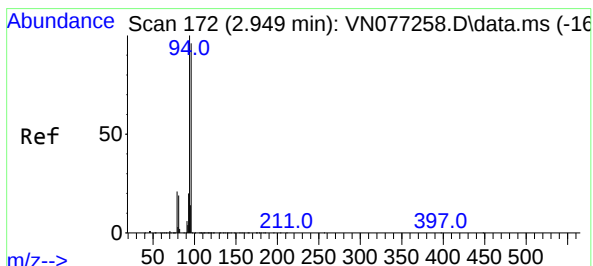
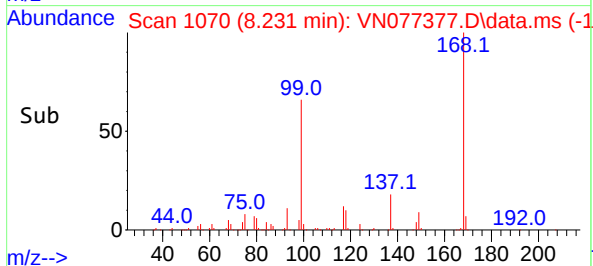
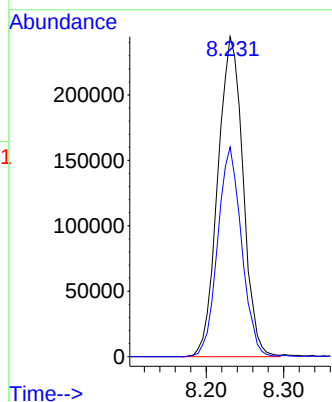
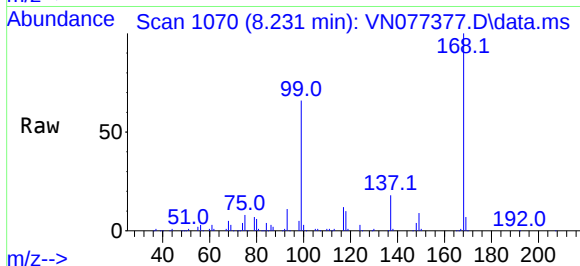




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

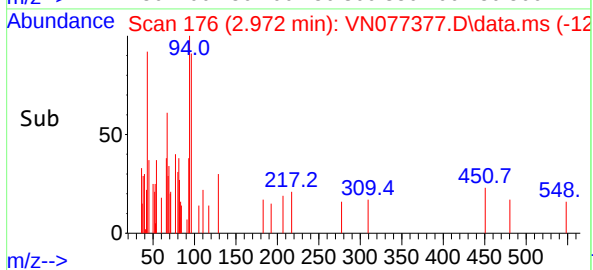
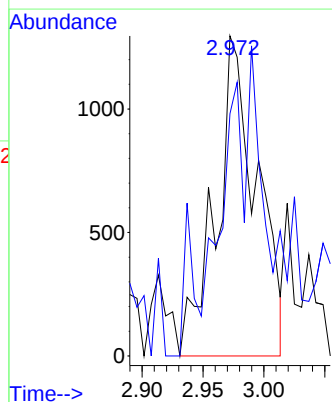
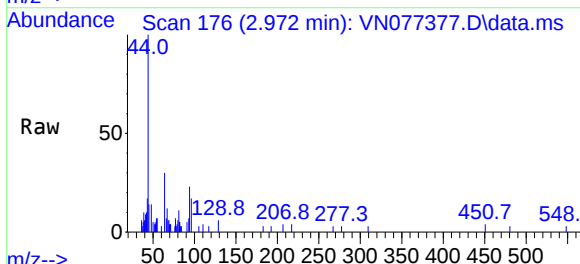
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#05

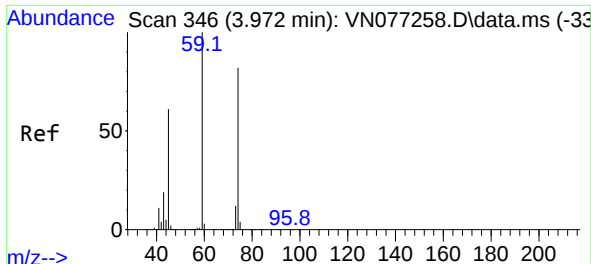
Tgt Ion:168 Resp: 553507
Ion Ratio Lower Upper
168 100
99 65.5 50.6 75.8



#5
Bromomethane
Concen: 0.346 ug/l
RT: 2.972 min Scan# 176
Delta R.T. 0.023 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

Tgt Ion: 94 Resp: 2975
Ion Ratio Lower Upper
94 100
96 75.7 77.0 115.4#

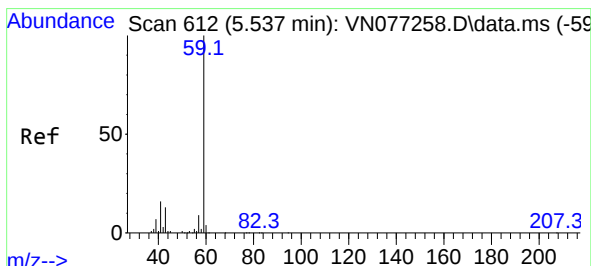
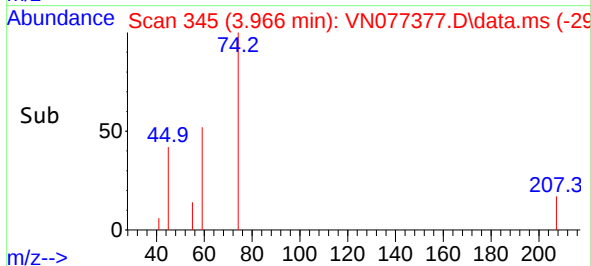
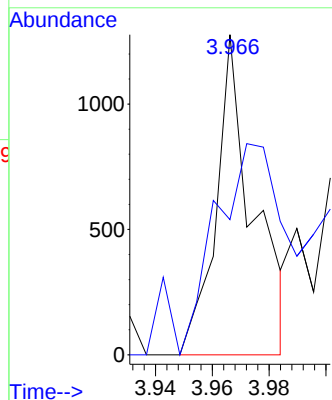
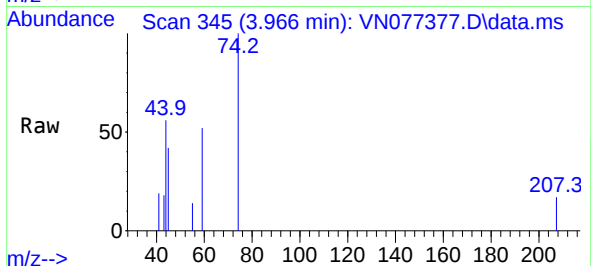




#8
Diethyl Ether
Concen: 0.270 ug/l
RT: 3.966 min Scan# 346
Delta R.T. -0.006 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

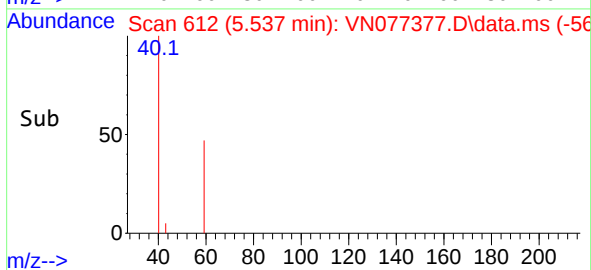
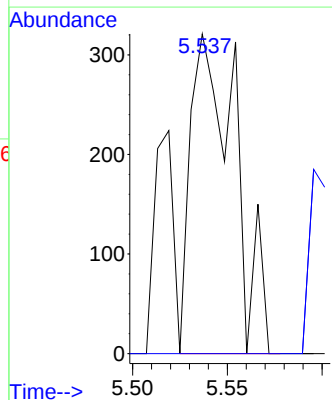
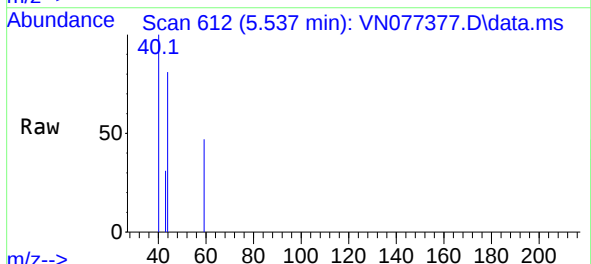
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#05

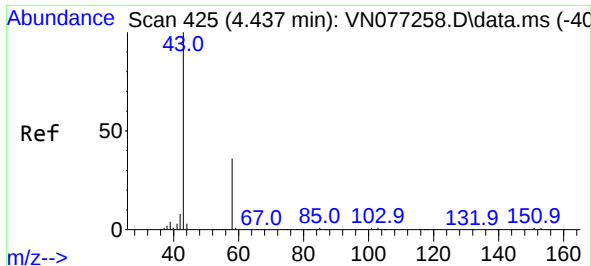
Tgt Ion: 74 Resp: 1163
Ion Ratio Lower Upper
74 100
45 129.6 37.8 113.4#



#11
Tert butyl alcohol
Concen: 0.339 ug/l
RT: 5.537 min Scan# 612
Delta R.T. -0.000 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

Tgt Ion: 59 Resp: 524
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

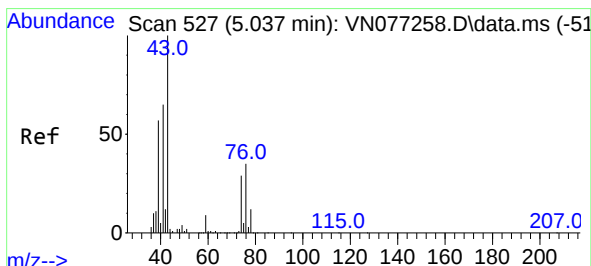
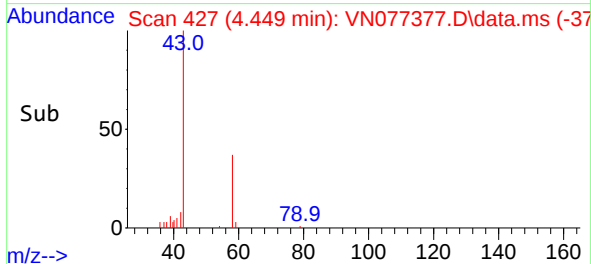
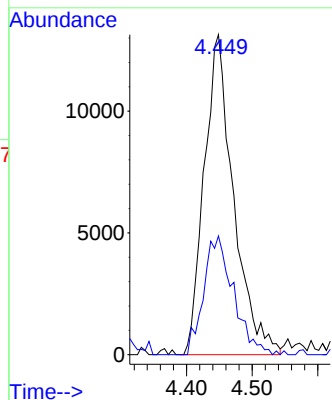
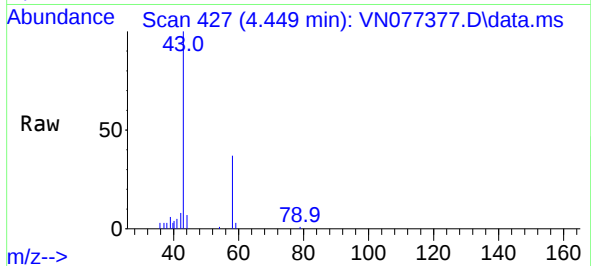




#16
Acetone
Concen: 14.664 ug/l
RT: 4.449 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

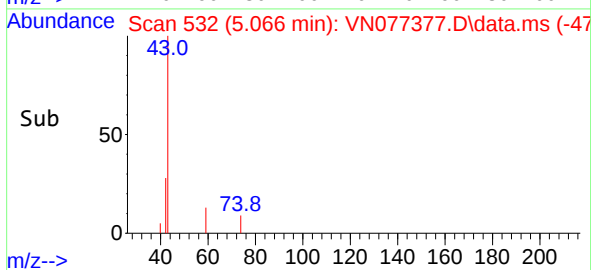
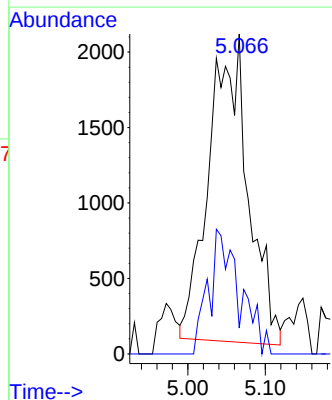
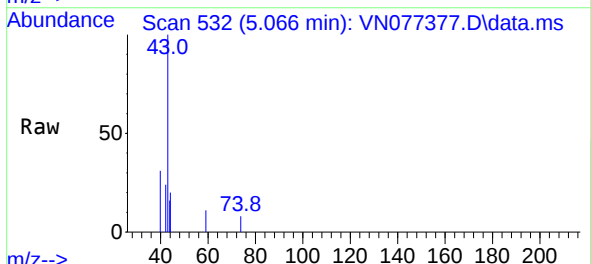
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#05

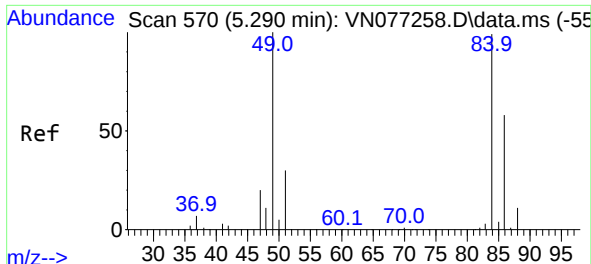
Tgt Ion: 43 Resp: 40900
Ion Ratio Lower Upper
43 100
58 37.1 29.0 43.6



#18
Methyl Acetate
Concen: 0.675 ug/l
RT: 5.066 min Scan# 532
Delta R.T. 0.029 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

Tgt Ion: 43 Resp: 7172
Ion Ratio Lower Upper
43 100
74 0.0 23.4 35.2#



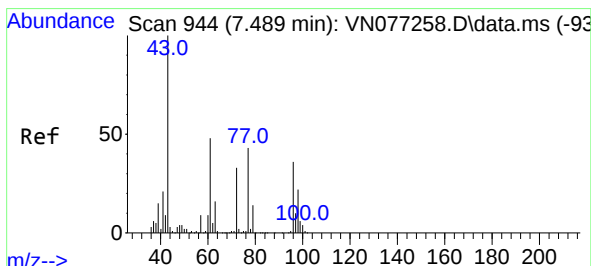
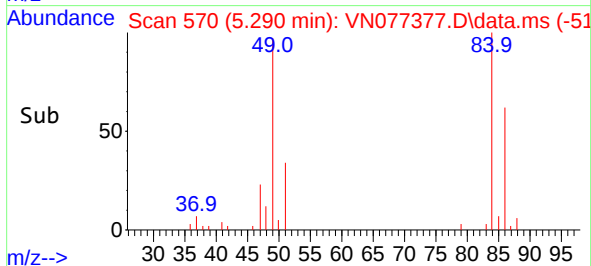
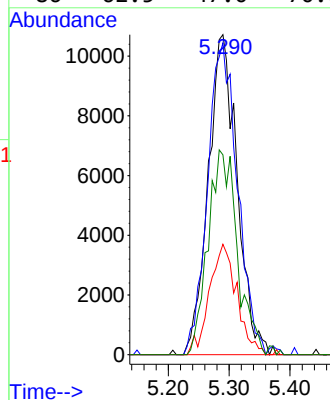
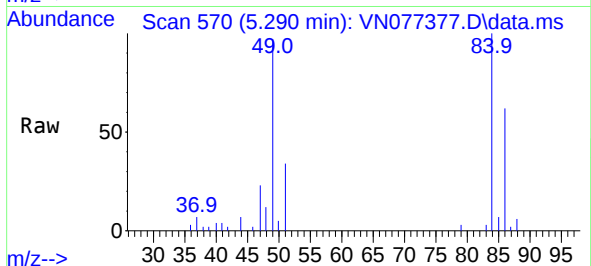


#20
Methylene Chloride
Concen: 4.491 ug/l
RT: 5.290 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#05

Tgt Ion: 84 Resp: 35379

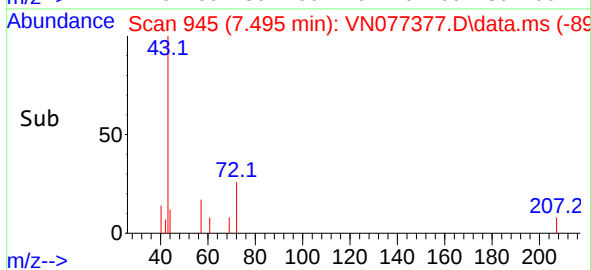
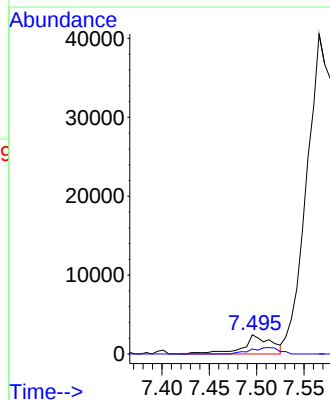
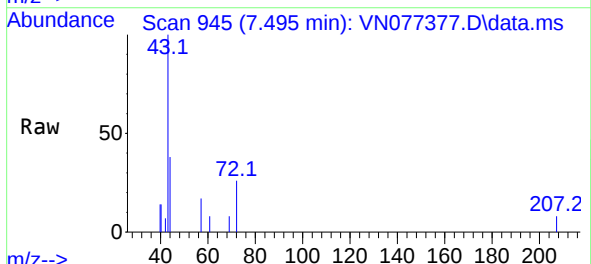
Ion	Ratio	Lower	Upper
84	100		
49	97.5	80.6	121.0
51	34.5	24.4	36.6
86	62.5	47.0	70.6

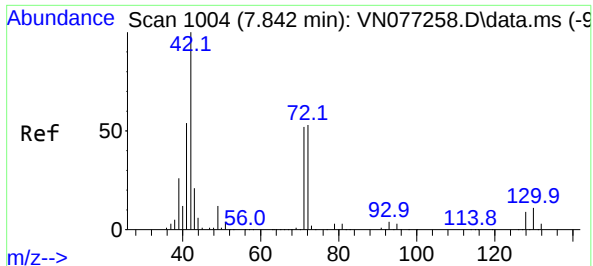


#25
2-Butanone
Concen: 1.119 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

Tgt Ion: 43 Resp: 5065

Ion	Ratio	Lower	Upper
43	100		
72	25.8	26.6	39.8#

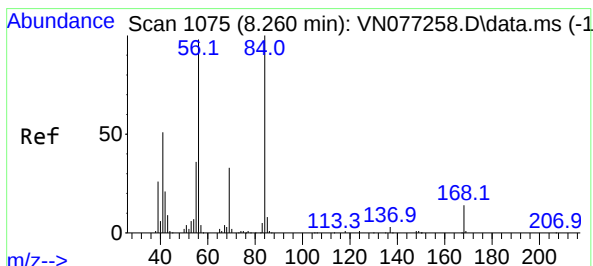
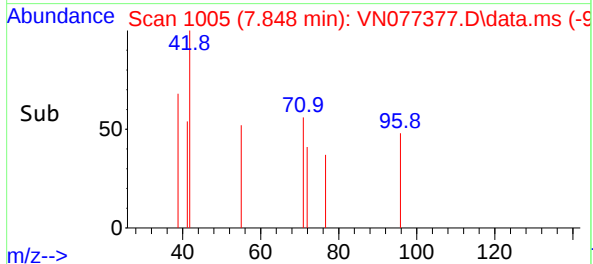
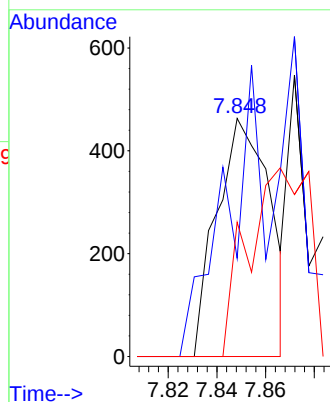
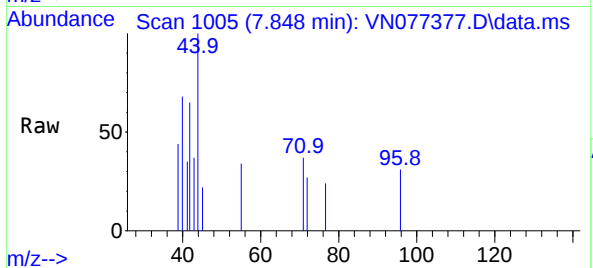




#29
Tetrahydrofuran
Concen: 0.242 ug/l
RT: 7.848 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

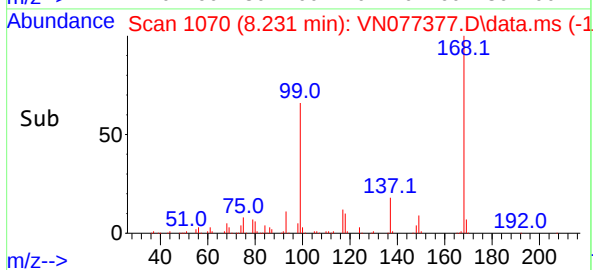
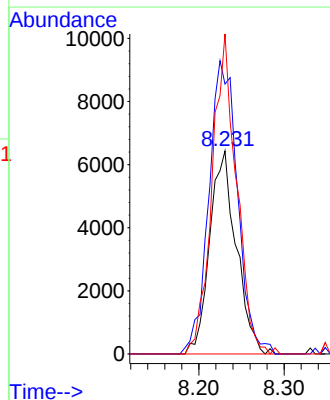
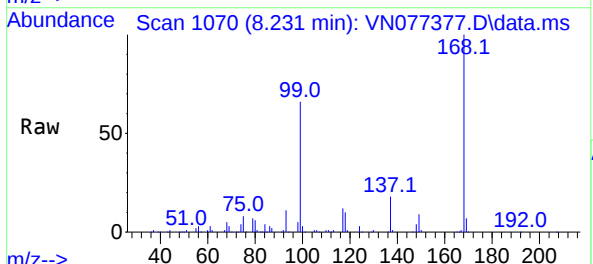
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MSVOA_N
ClientSampleId :
PB152199ZHE#05

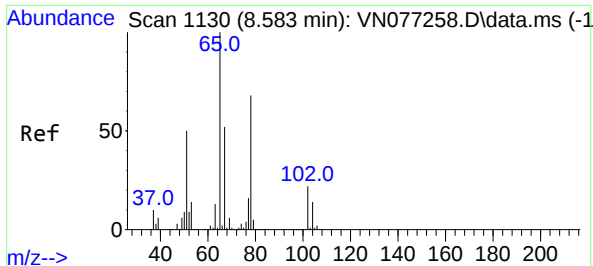
Tgt Ion:	42	Resp:	703
Ion	Ratio	Lower	Upper
42	100		
72	81.8	44.6	66.8#
71	0.0	41.3	61.9#



#31
Cyclohexane
Concen: 1.186 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

Tgt Ion:	56	Resp:	13942
Ion	Ratio	Lower	Upper
56	100		
69	133.0	26.6	40.0#
84	157.6	81.8	122.8#

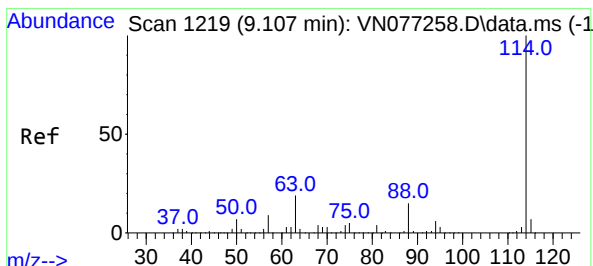
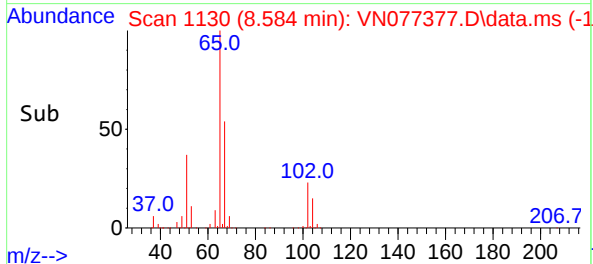
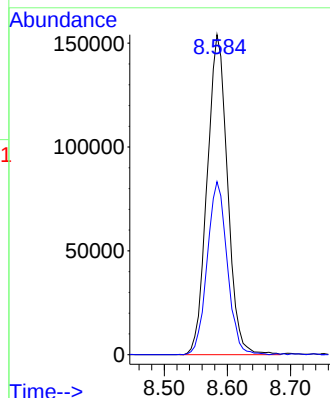
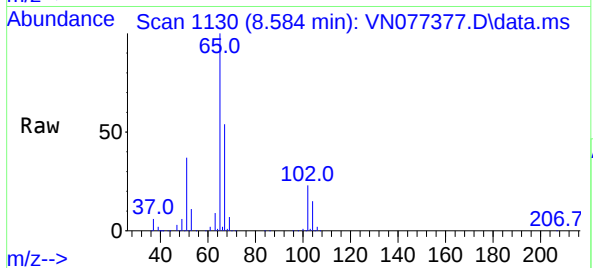




#33
1,2-Dichloroethane-d4
Concen: 45.705 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

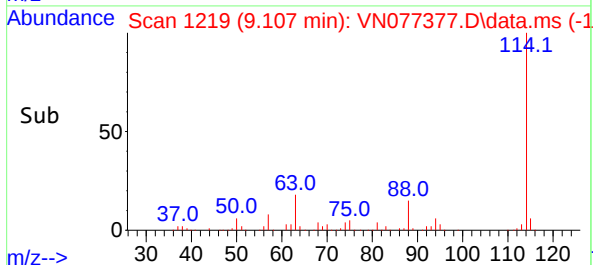
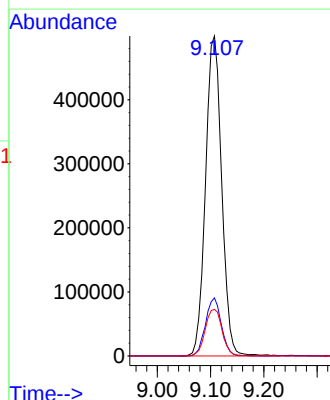
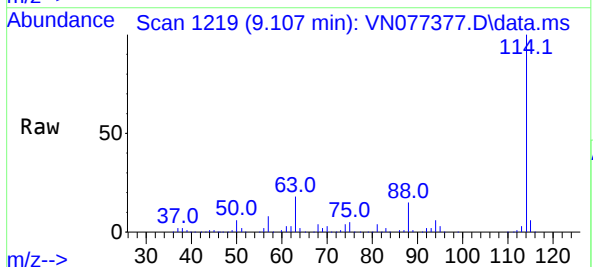
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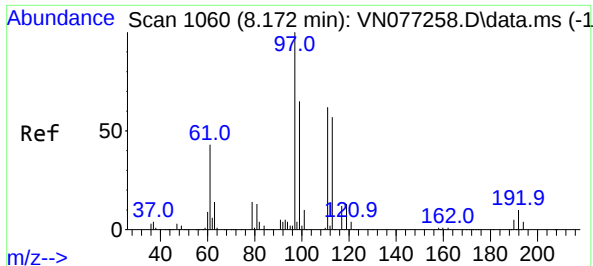
Tgt Ion: 65 Resp: 345756
Ion Ratio Lower Upper
65 100
67 53.0 0.0 108.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

Tgt Ion: 114 Resp: 1051103
Ion Ratio Lower Upper
114 100
63 18.2 0.0 37.8
88 14.5 0.0 29.4

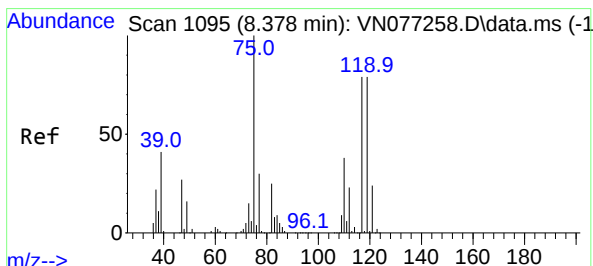
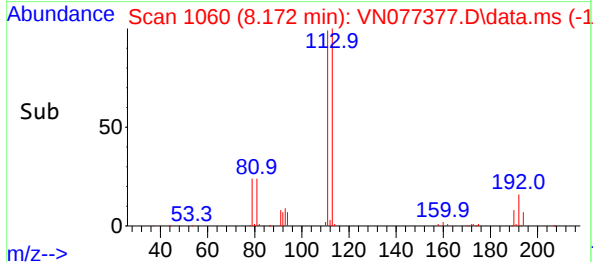
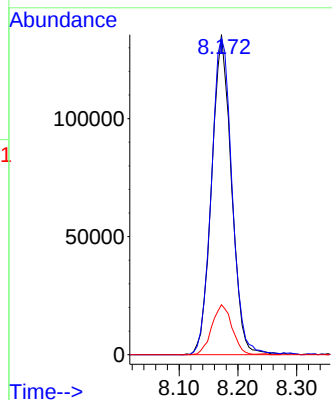
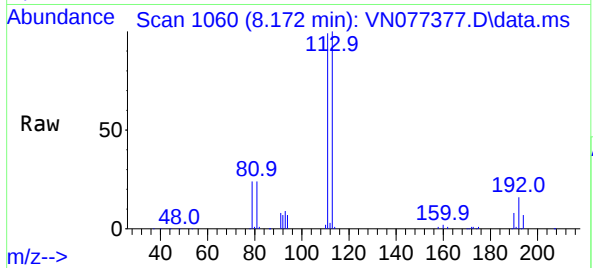




#35
Dibromofluoromethane
Concen: 47.079 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

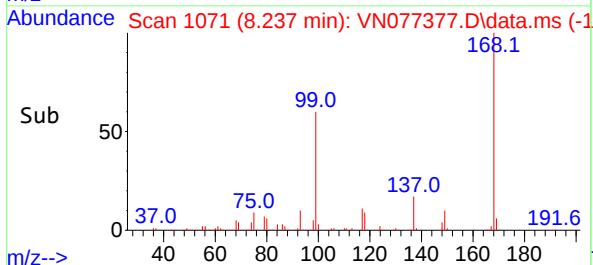
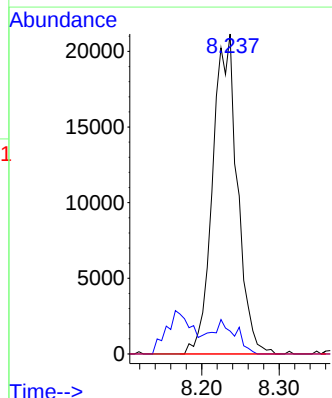
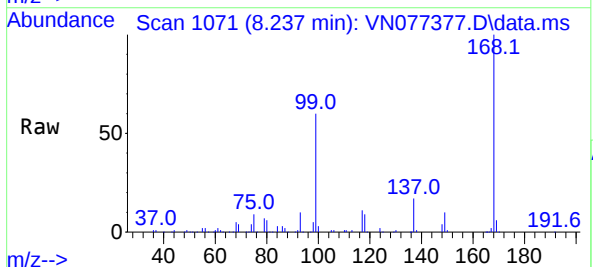
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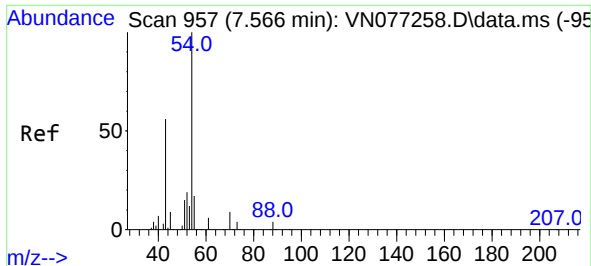
Tgt Ion:113 Resp: 316784
Ion Ratio Lower Upper
113 100
111 103.3 83.4 125.0
192 15.9 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.708 ug/l
RT: 8.237 min Scan# 1071
Delta R.T. -0.141 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

Tgt Ion: 75 Resp: 46859
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 25.0 37.4#

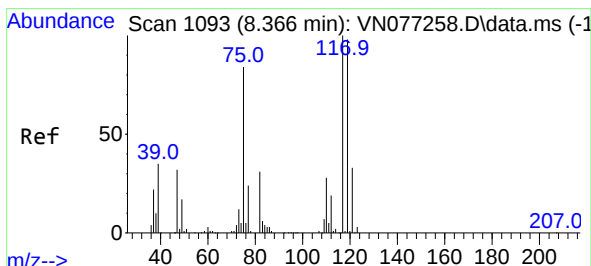
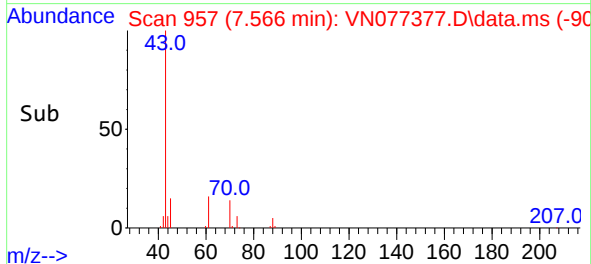
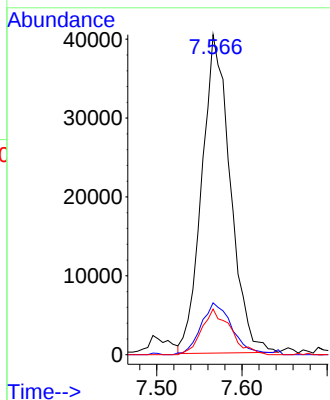
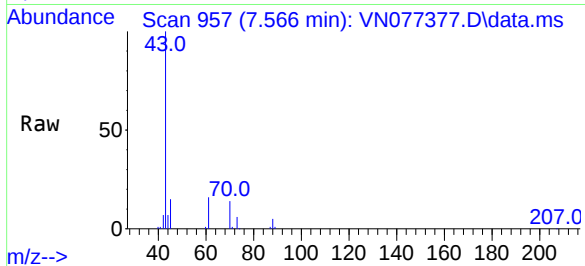




#37
Ethyl Acetate
Concen: 10.526 ug/l
RT: 7.566 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

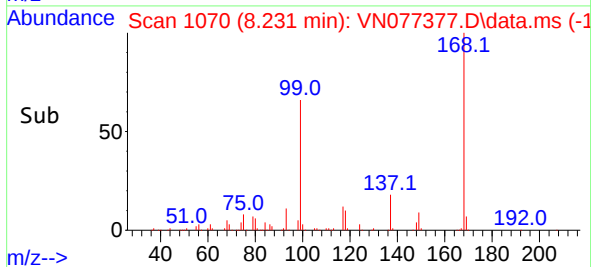
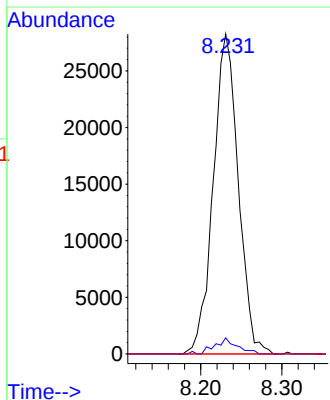
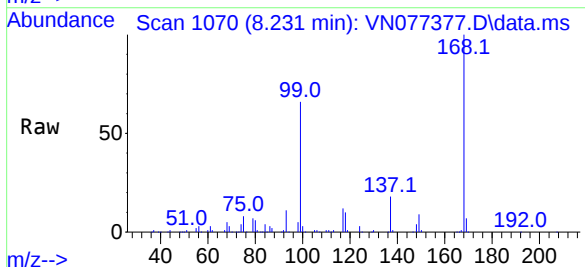
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#05

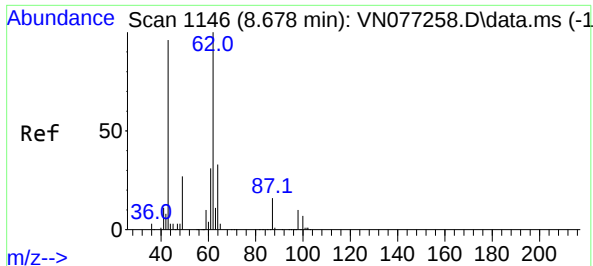
Tgt Ion: 43 Resp: 93724
Ion Ratio Lower Upper
43 100
61 17.8 12.2 18.2
70 14.5 10.0 15.0



#38
Carbon Tetrachloride
Concen: 5.936 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

Tgt Ion: 117 Resp: 60527
Ion Ratio Lower Upper
117 100
119 5.0 78.5 117.7#
121 0.0 26.6 40.0#





#42

1,2-Dichloroethane

Concen: 0.403 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.017 min

Lab File: VN077377.D

Acq: 19 Apr 2023 15:57

Instrument :

MSVOA_N

ClientSampleId :

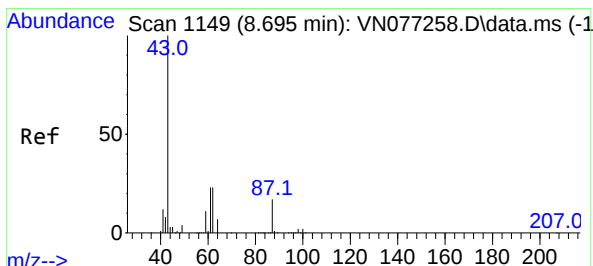
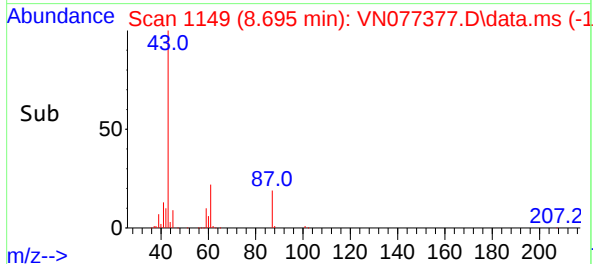
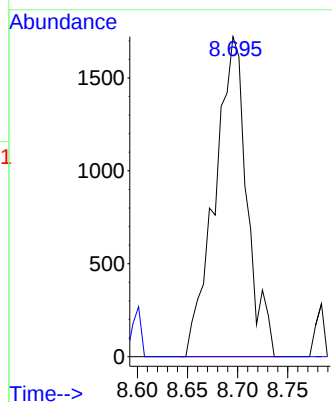
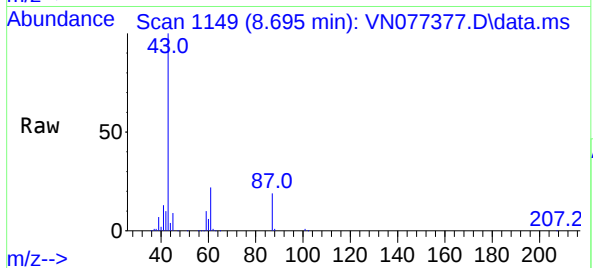
PB152199ZHE#05

Tgt Ion: 62 Resp: 3850

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#43

Isopropyl Acetate

Concen: 29.188 ug/l

RT: 8.689 min Scan# 1148

Delta R.T. -0.006 min

Lab File: VN077377.D

Acq: 19 Apr 2023 15:57

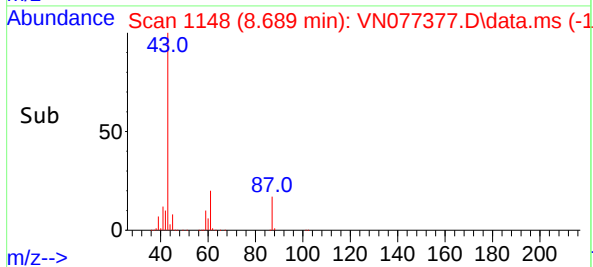
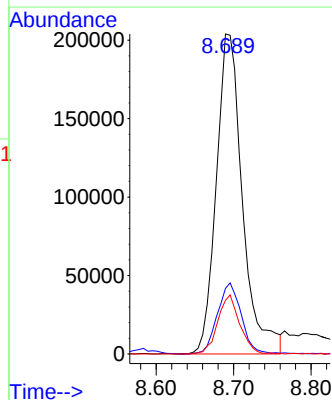
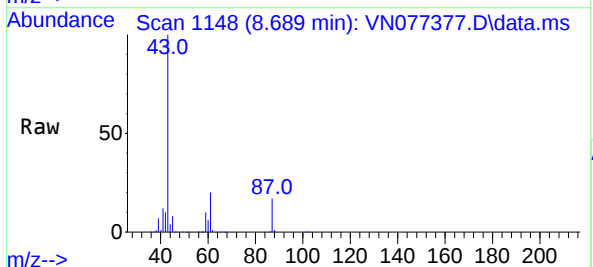
Tgt Ion: 43 Resp: 479569

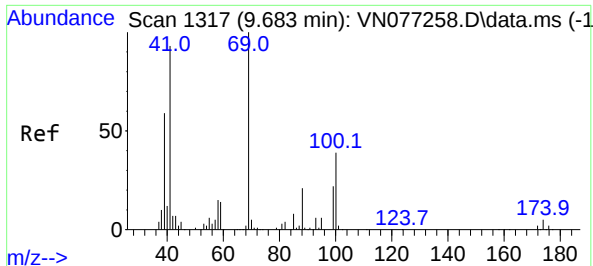
Ion Ratio Lower Upper

43 100

61 20.3 22.7 34.1#

87 15.5 13.6 20.4

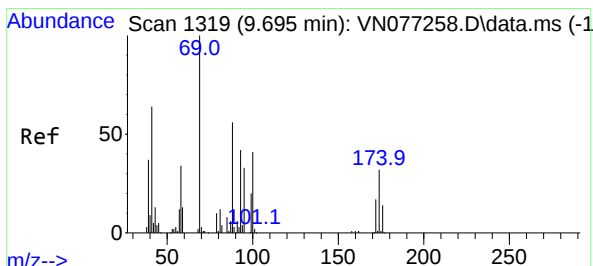
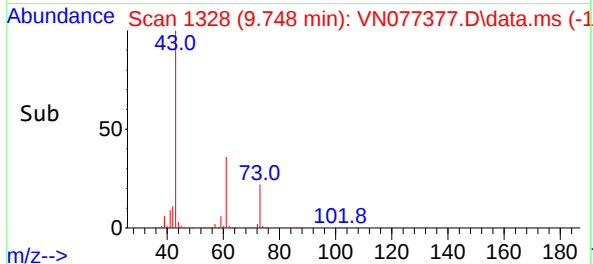
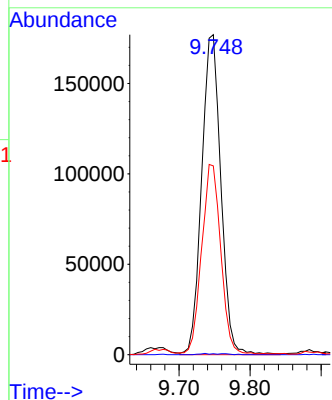
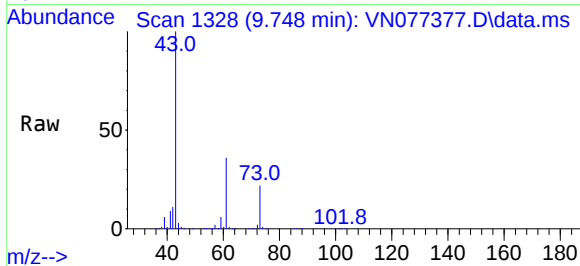




#48
Methyl methacrylate
Concen: 47.632 ug/l
RT: 9.748 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

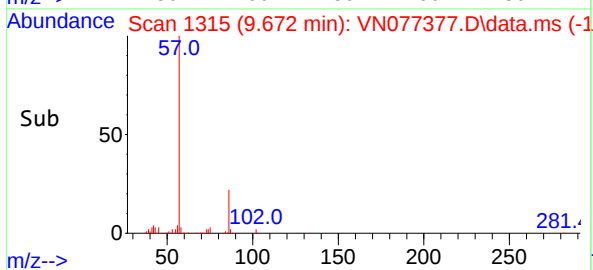
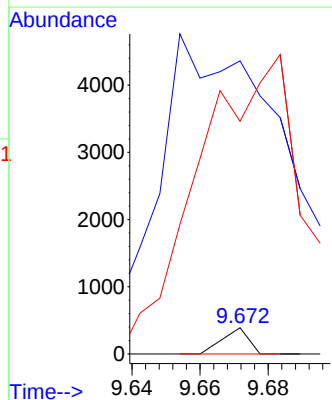
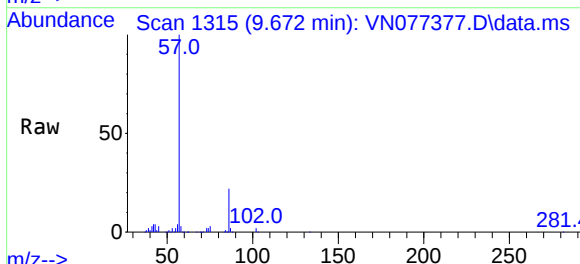
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#05

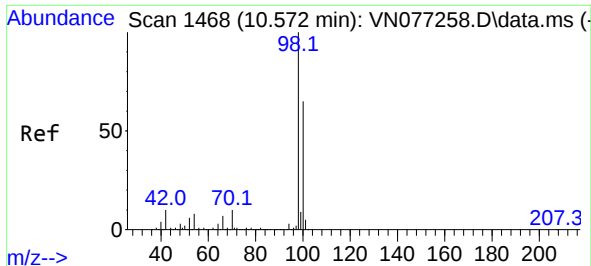
Tgt Ion: 41 Resp: 333851
Ion Ratio Lower Upper
41 100
69 0.2 85.0 127.6#
39 58.7 53.5 80.3



#49
1,4-Dioxane
Concen: 1.212 ug/l
RT: 9.672 min Scan# 1315
Delta R.T. -0.023 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

Tgt Ion: 88 Resp: 206
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 4622.3 49.8 74.6#

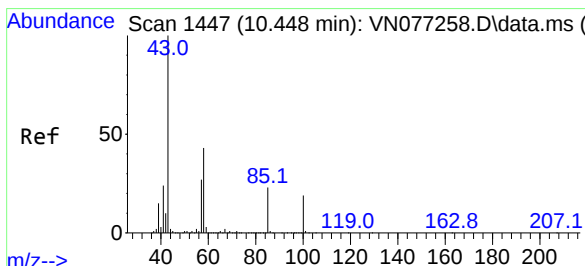
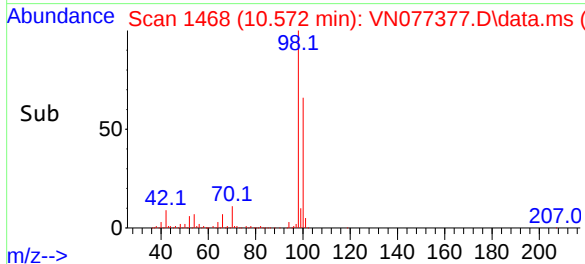
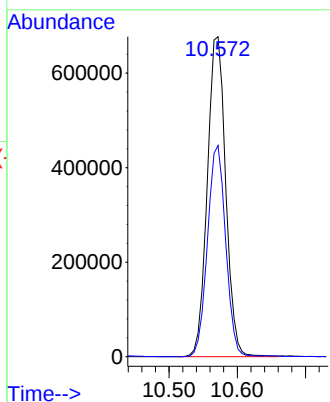
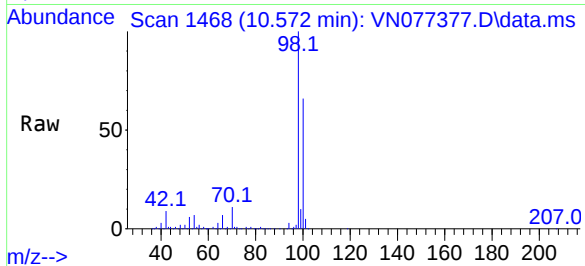




#50
Toluene-d8
Concen: 47.029 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

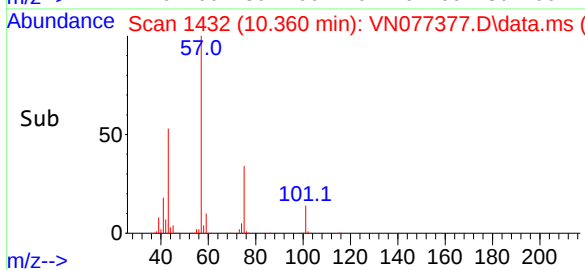
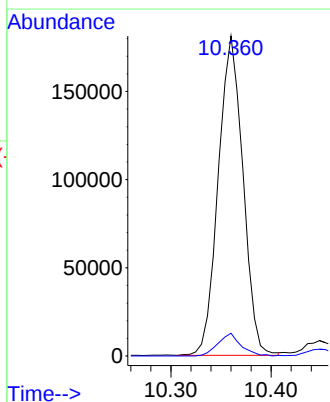
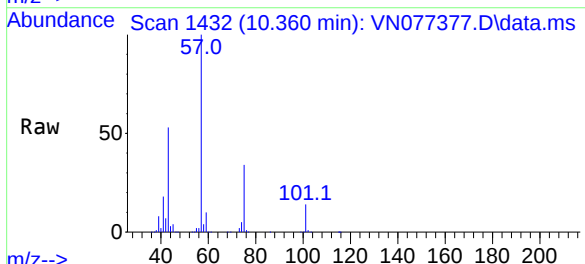
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#05

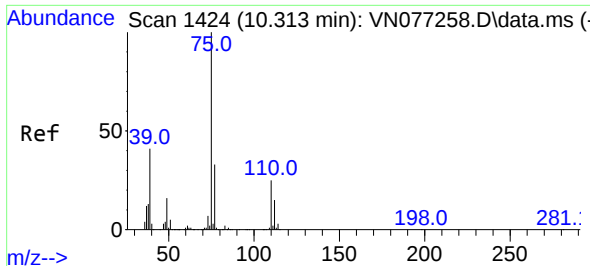
Tgt Ion: 98 Resp: 1273935
Ion Ratio Lower Upper
98 100
100 65.2 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 32.650 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. -0.088 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

Tgt Ion: 43 Resp: 310080
Ion Ratio Lower Upper
43 100
58 6.7 34.6 52.0#

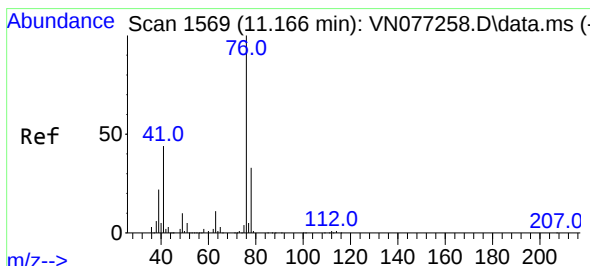
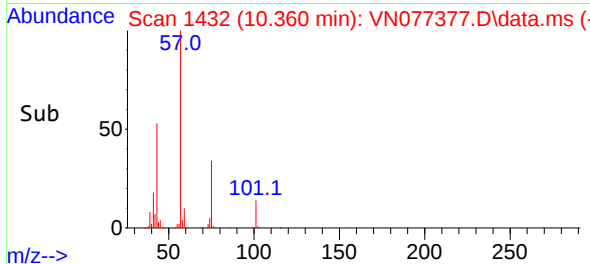
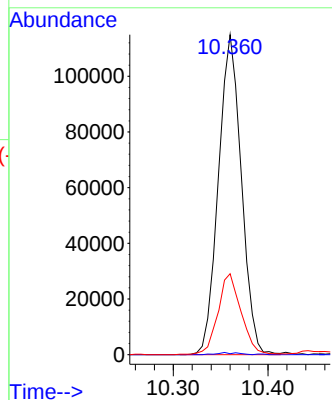
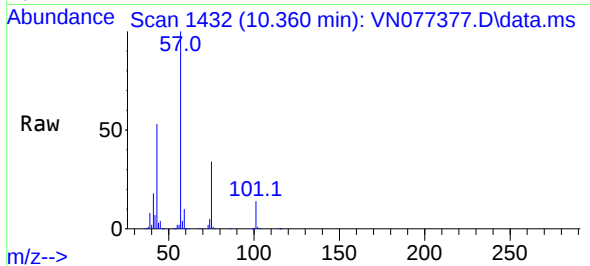




#54
cis-1,3-Dichloropropene
Concen: 15.079 ug/l
RT: 10.360 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

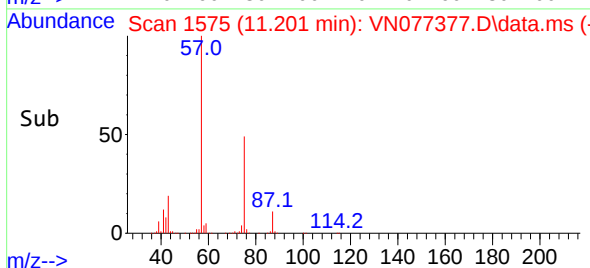
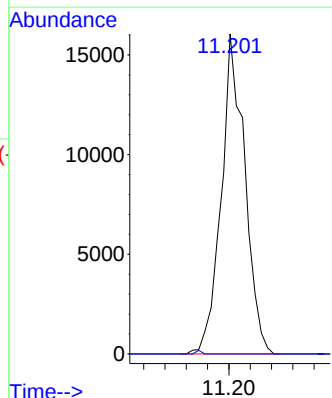
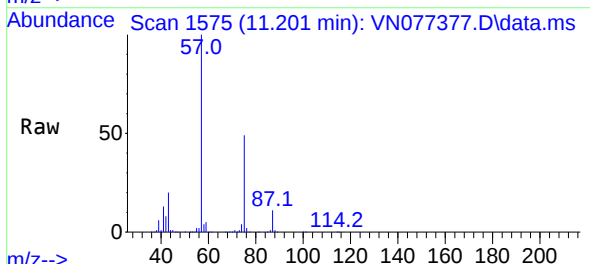
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#05

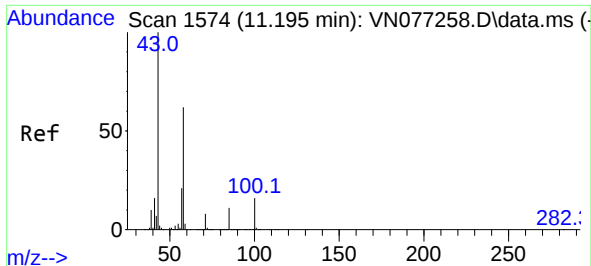
Tgt Ion: 75 Resp: 193632
Ion Ratio Lower Upper
75 100
77 0.3 26.7 40.1#
39 25.2 32.8 49.2#



#57
1,3-Dichloropropane
Concen: 1.868 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

Tgt Ion: 76 Resp: 24608
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.4#

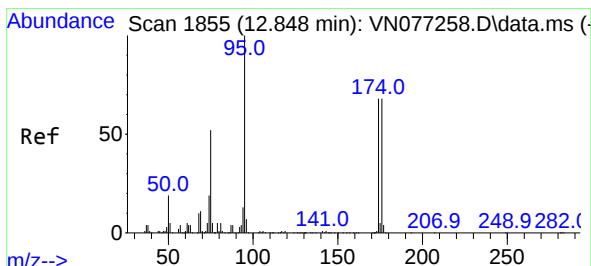
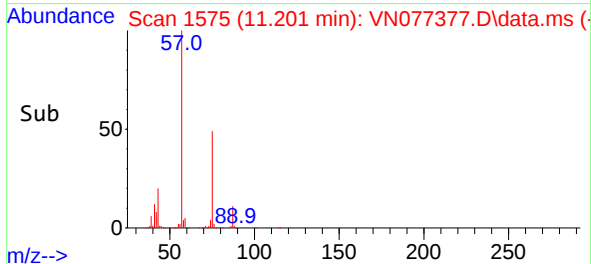
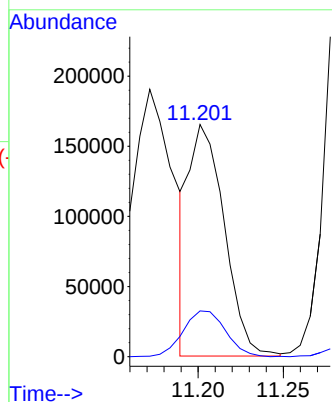
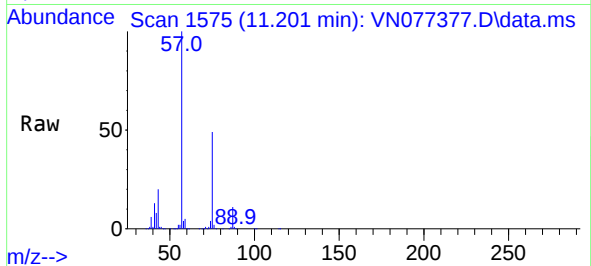




#59
2-Hexanone
Concen: 33.773 ug/l
RT: 11.201 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

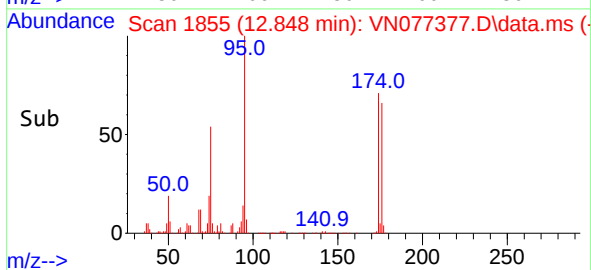
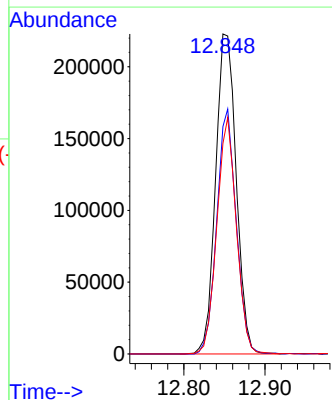
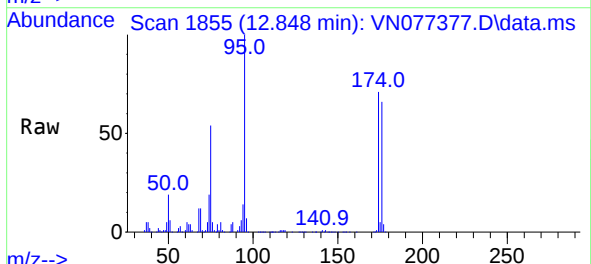
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#05

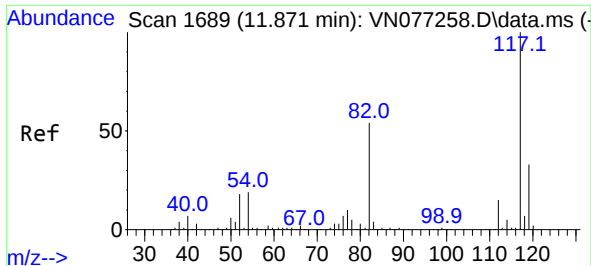
Tgt Ion: 43 Resp: 238957
Ion Ratio Lower Upper
43 100
58 23.7 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 43.620 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.000 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

Tgt Ion: 95 Resp: 392974
Ion Ratio Lower Upper
95 100
174 72.3 0.0 146.8
176 69.8 0.0 139.6

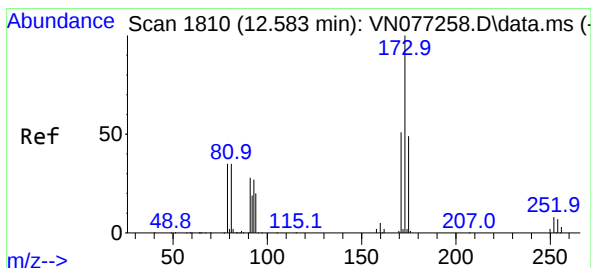
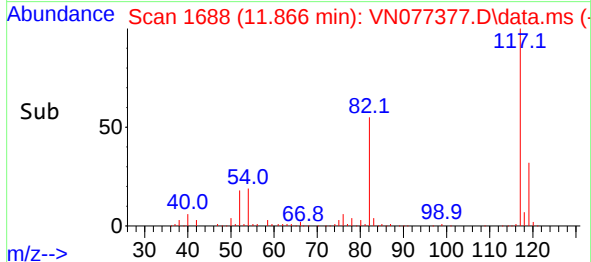
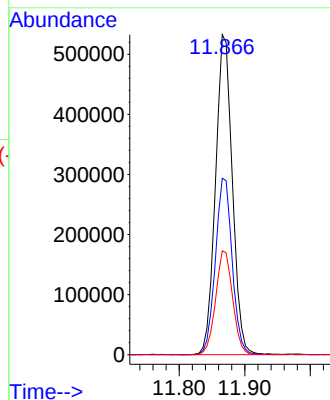
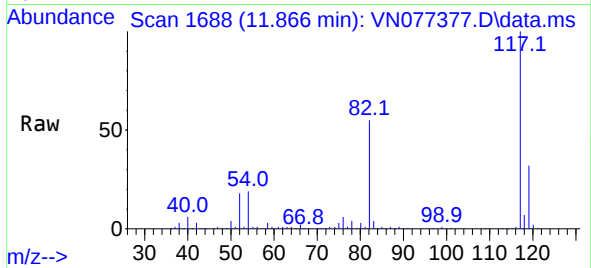




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.005 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

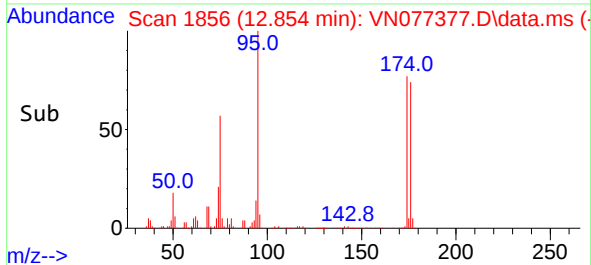
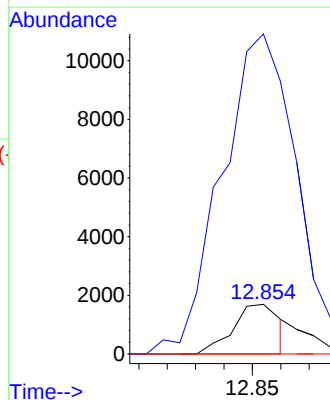
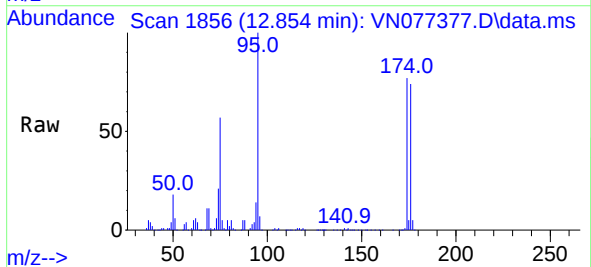
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#05

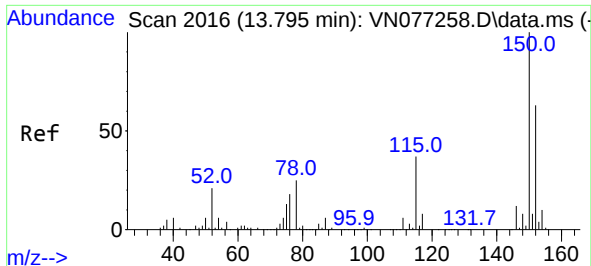
Tgt Ion:117 Resp: 950224
Ion Ratio Lower Upper
117 100
82 55.1 42.9 64.3
119 32.5 26.2 39.4



#71
Bromoform
Concen: 0.349 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

Tgt Ion:173 Resp: 1947
Ion Ratio Lower Upper
173 100
175 828.7 24.1 72.4#
254 0.0 0.1 0.1#

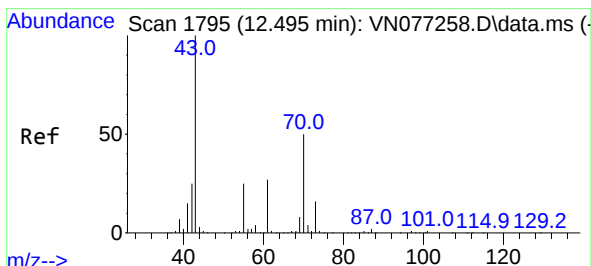
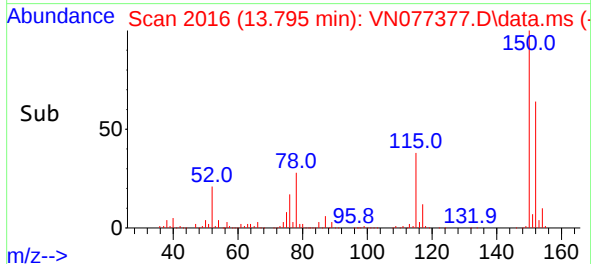
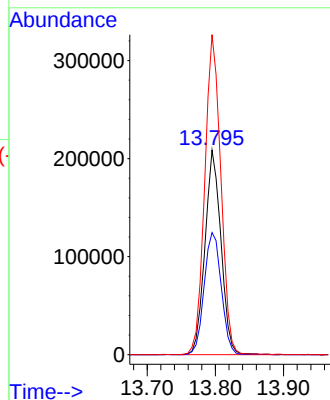
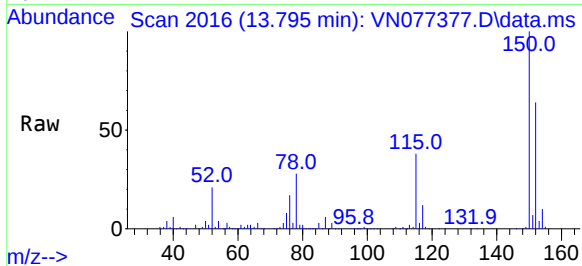




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

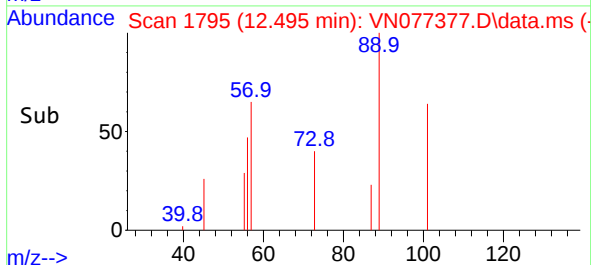
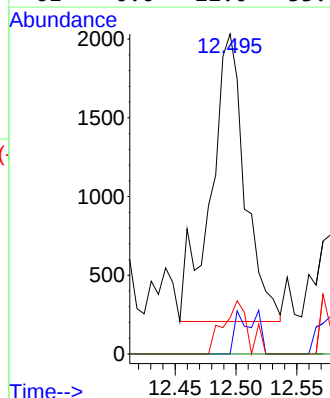
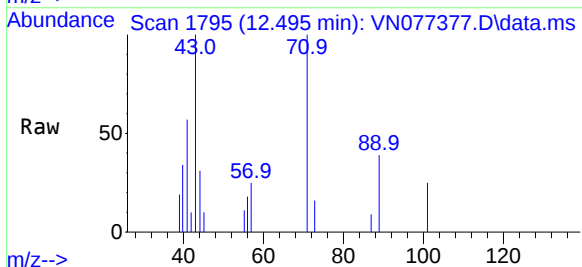
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#05

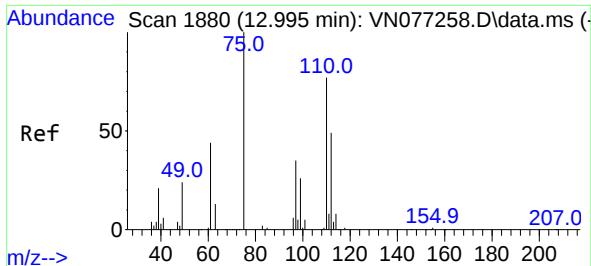
Tgt Ion:152 Resp: 341347
Ion Ratio Lower Upper
152 100
115 63.7 32.1 96.3
150 157.3 0.0 354.8



#74
N-ethyl acetate
Concen: 0.283 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

Tgt Ion: 43 Resp: 3557
Ion Ratio Lower Upper
43 100
70 0.0 41.0 61.6#
55 13.6 19.3 28.9#
61 0.0 22.0 33.0#

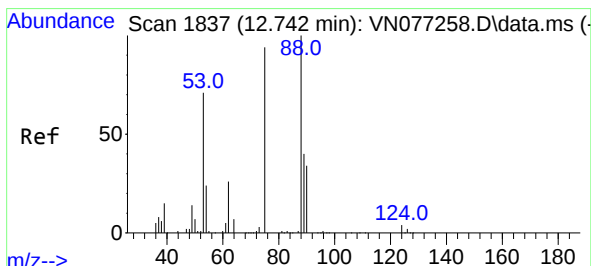
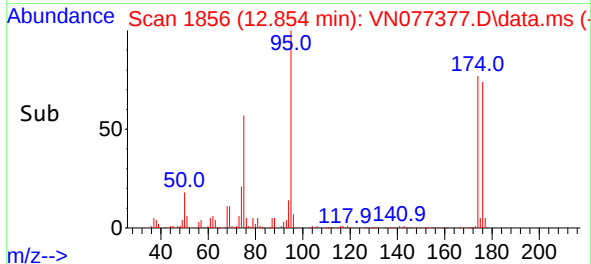
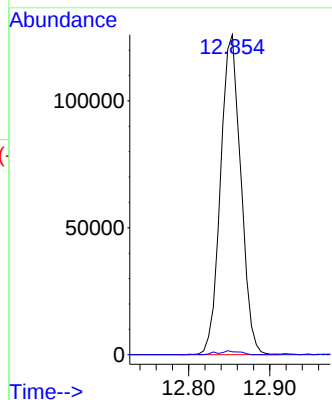
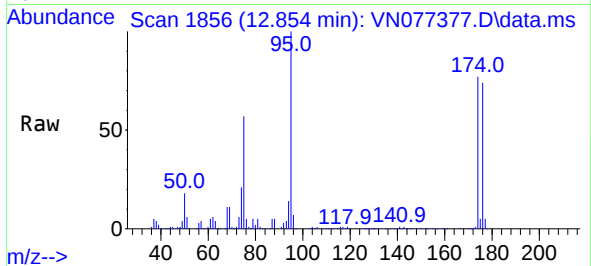




#76
1,2,3-Trichloropropane
Concen: 26.959 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#05

Tgt Ion: 75 Resp: 219131
Ion Ratio Lower Upper
75 100
77 1.3 88.3 264.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.666 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077377.D
Acq: 19 Apr 2023 15:57

Tgt Ion: 75 Resp: 219131
Ion Ratio Lower Upper
75 100
53 0.1 72.8 109.2#
89 0.0 37.4 56.2#

