

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041923\
 Data File : VN077387.D
 Acq On : 20 Apr 2023 02:30
 Operator : JC\MD
 Sample : PB152199ZHE#15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152199ZHE#15

Quant Time: Apr 20 04:28:25 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)

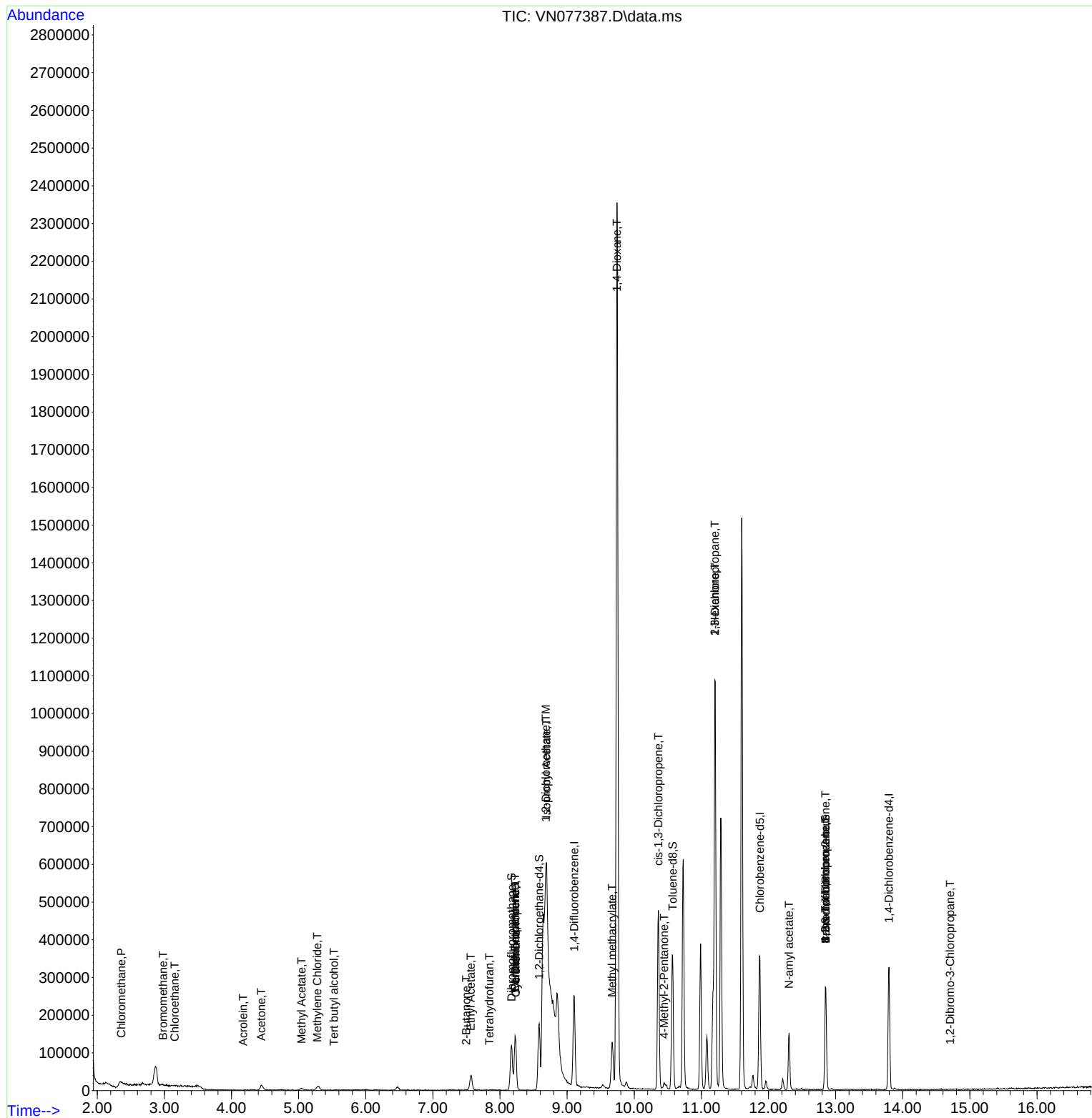
Internal Standards						
1) Pentafluorobenzene	8.225	168	103908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	220361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	221016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	87887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	139954	98.549	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 197.100%#			
35) Dibromofluoromethane	8.172	113	85226	60.415	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 120.820%			
50) Toluene-d8	10.572	98	262636	46.247	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.500%			
62) 4-Bromofluorobenzene	12.848	95	97530	51.638	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.280%			
Target Compounds						Qvalue
3) Chloromethane	2.360	50	448	0.273	ug/l #	41
5) Bromomethane	2.978	94	1441	0.892	ug/l	100
6) Chloroethane	3.155	64	1800	1.132	ug/l #	41
11) Tert butyl alcohol	5.525	59	83	0.286	ug/l #	72
13) Acrolein	4.172	56	58	0.211	ug/l #	58
16) Acetone	4.443	43	23695	45.253	ug/l	93
18) Methyl Acetate	5.043	43	11315	5.674	ug/l	99
20) Methylene Chloride	5.278	84	6793	4.594	ug/l	90
25) 2-Butanone	7.495	43	1883	2.216	ug/l #	72
29) Tetrahydrofuran	7.842	42	1243	2.275	ug/l #	53
31) Cyclohexane	8.237	56	2666	1.208	ug/l #	14
36) 1,1-Dichloropropene	8.231	75	8818	4.226	ug/l #	50
37) Ethyl Acetate	7.566	43	57959	31.048	ug/l	97
38) Carbon Tetrachloride	8.225	117	11412	5.339	ug/l #	14
42) 1,2-Dichloroethane	8.684	62	3154	1.575	ug/l	79
43) Isopropyl Acetate	8.689	43	1287057	373.649	ug/l #	62
48) Methyl methacrylate	9.672	41	6794	4.624	ug/l #	35
49) 1,4-Dioxane	9.742	88	305	8.561	ug/l #	1
51) 4-Methyl-2-Pentanone	10.442	43	16932	8.504	ug/l #	74
54) cis-1,3-Dichloropropene	10.360	75	97467	36.204	ug/l #	60
57) 1,3-Dichloropropane	11.201	76	13941	5.047	ug/l #	42
59) 2-Hexanone	11.201	43	126795	85.481	ug/l #	52
71) Bromoform	12.854	173	453	0.350	ug/l #	1
74) N-amyl acetate	12.307	43	43894	13.568	ug/l #	49
76) 1,2,3-Trichloropropane	12.848	75	52254	24.968	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	52254	56.187	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.707	75	203	0.400	ug/l #	2

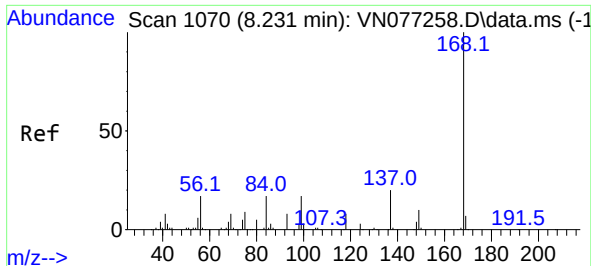
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041923\
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Acq On : 20 Apr 2023 02:30
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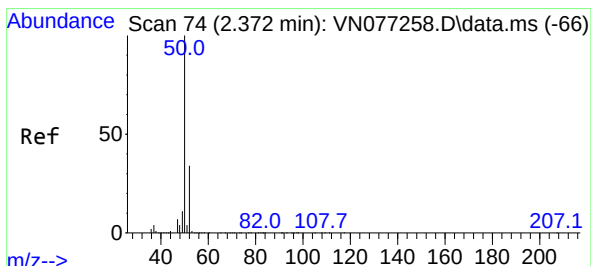
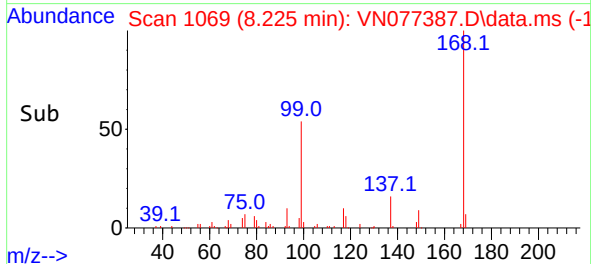
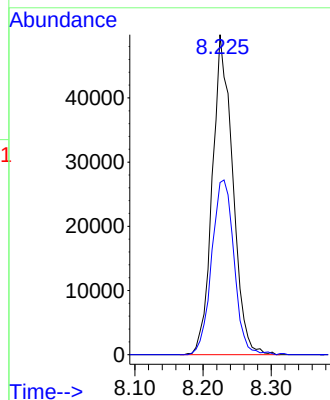
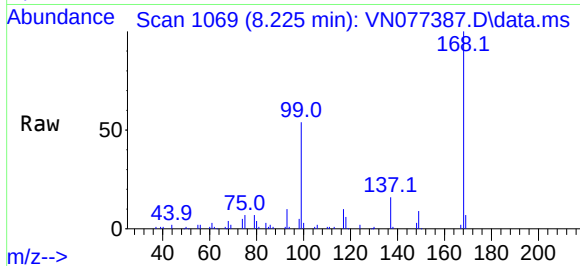




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.225 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

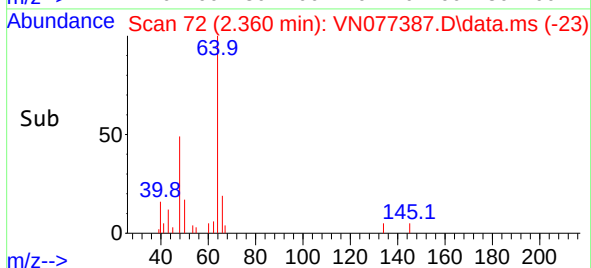
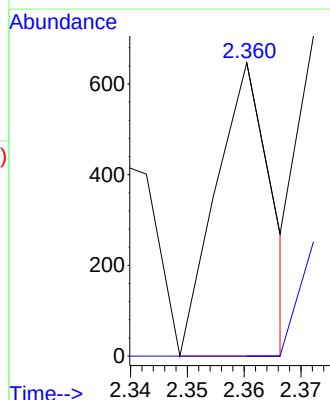
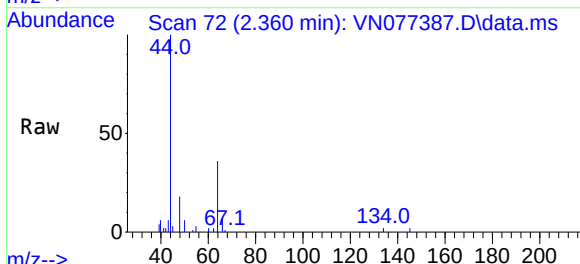
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#15

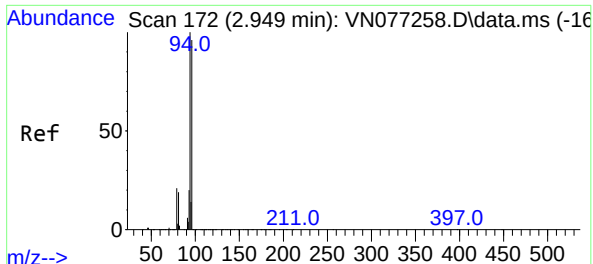
Tgt Ion:168 Resp: 103908
Ion Ratio Lower Upper
168 100
99 53.8 50.6 75.8



#3
Chloromethane
Concen: 0.273 ug/l
RT: 2.360 min Scan# 72
Delta R.T. -0.012 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

Tgt Ion: 50 Resp: 448
Ion Ratio Lower Upper
50 100
52 0.0 27.3 40.9#

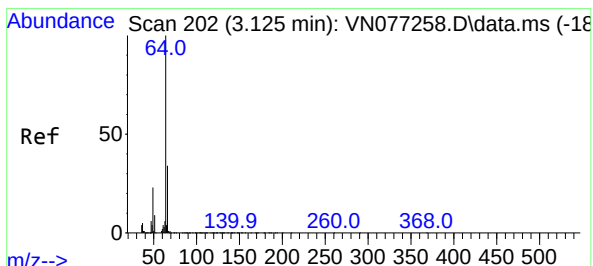
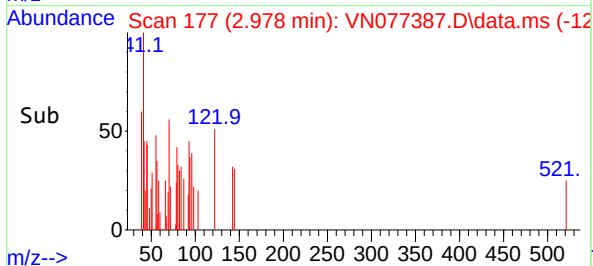
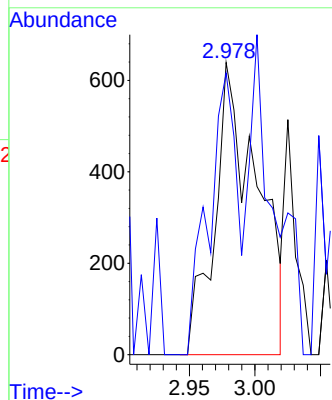
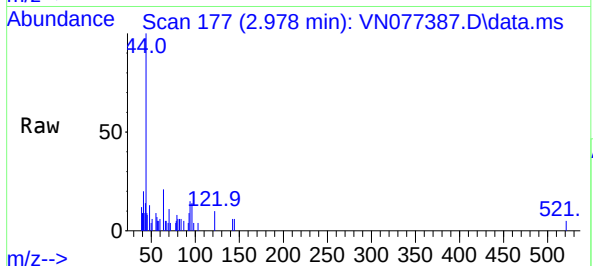




#5
Bromomethane
Concen: 0.892 ug/l
RT: 2.978 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

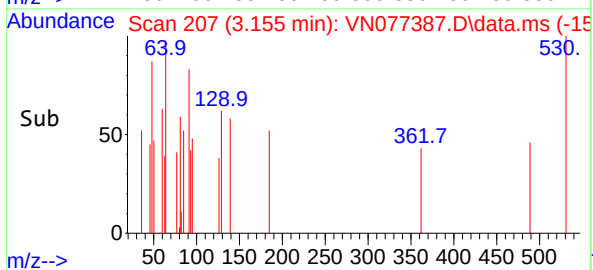
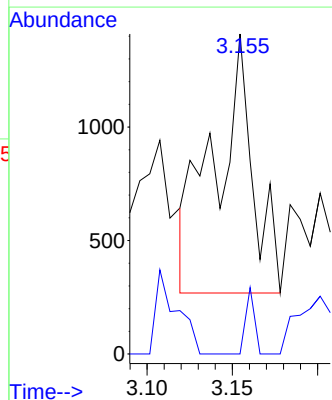
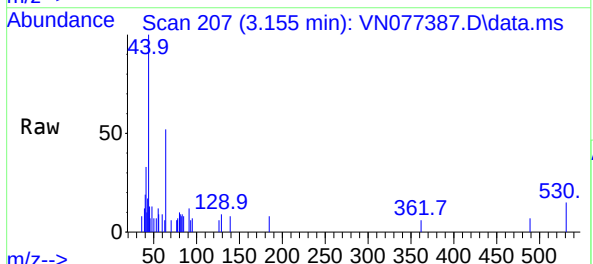
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#15

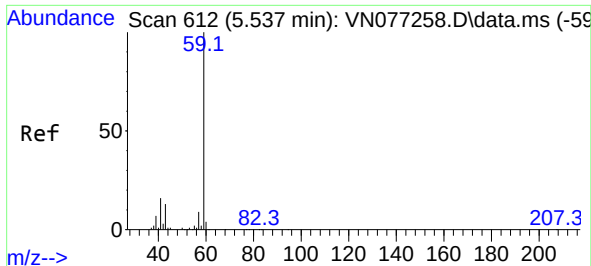
Tgt Ion: 94 Resp: 1441
Ion Ratio Lower Upper
94 100
96 96.4 77.0 115.4



#6
Chloroethane
Concen: 1.132 ug/l
RT: 3.155 min Scan# 207
Delta R.T. 0.030 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

Tgt Ion: 64 Resp: 1800
Ion Ratio Lower Upper
64 100
66 0.0 26.9 40.3#

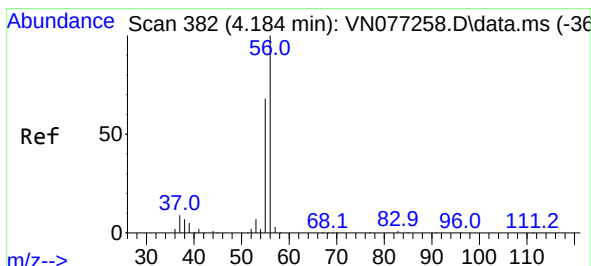
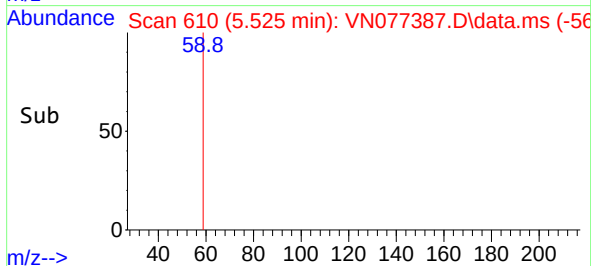
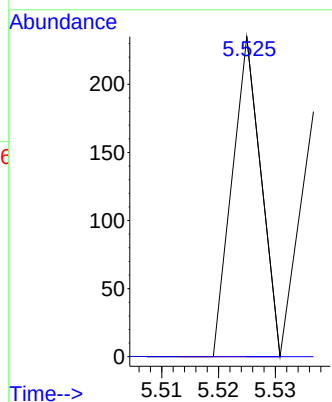
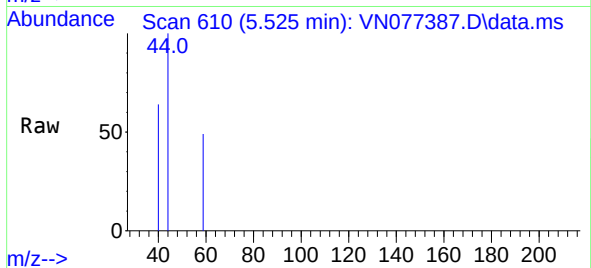




#11
Tert butyl alcohol
Concen: 0.286 ug/l
RT: 5.525 min Scan# 61
Delta R.T. -0.012 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

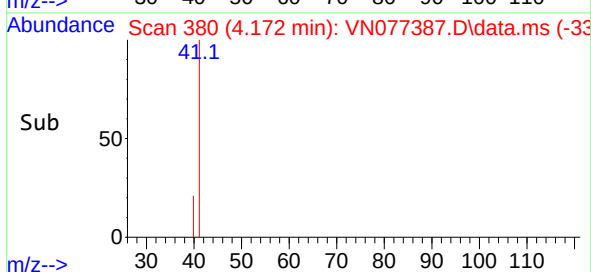
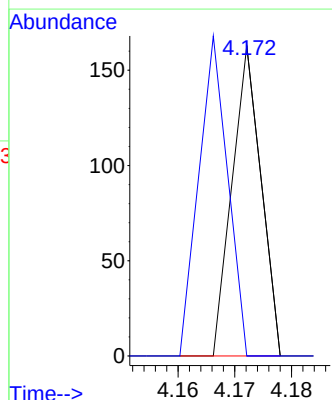
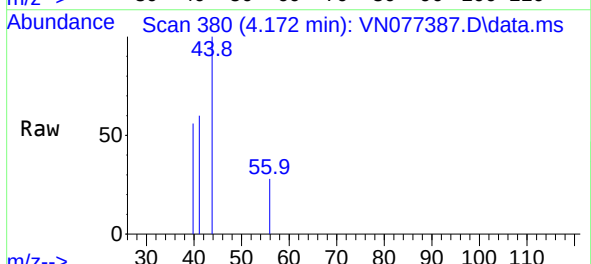
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#15

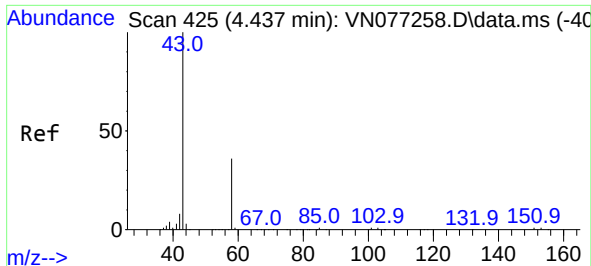
Tgt Ion: 59 Resp: 83
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.211 ug/l
RT: 4.172 min Scan# 380
Delta R.T. -0.012 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 101.7 54.2 81.2#

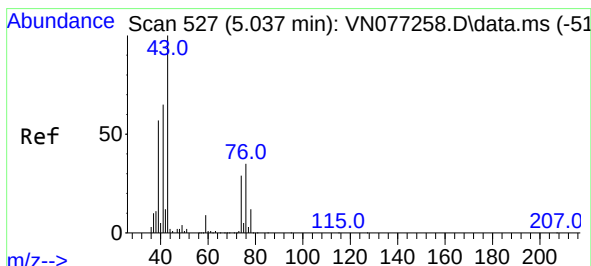
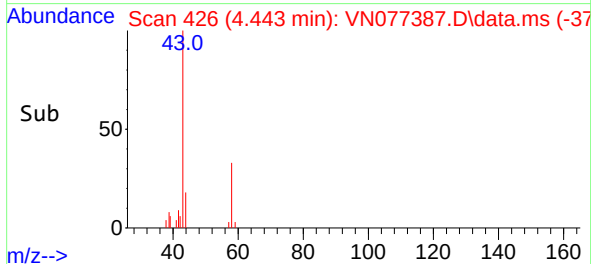
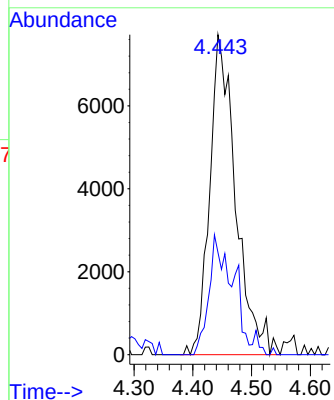
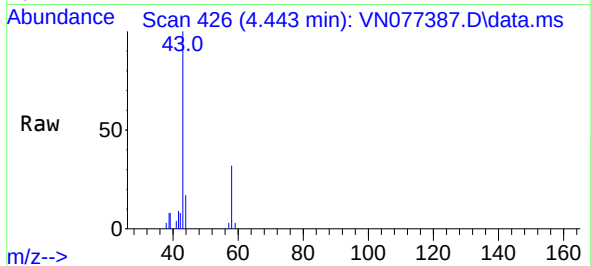




#16
Acetone
Concen: 45.253 ug/l
RT: 4.443 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

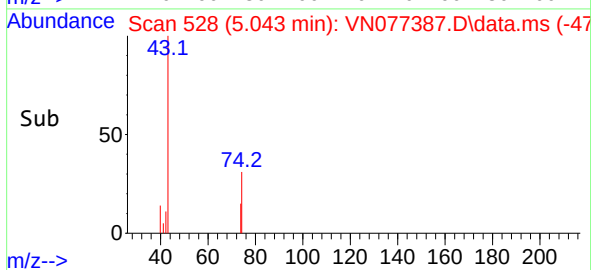
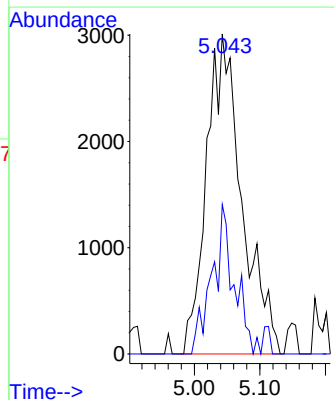
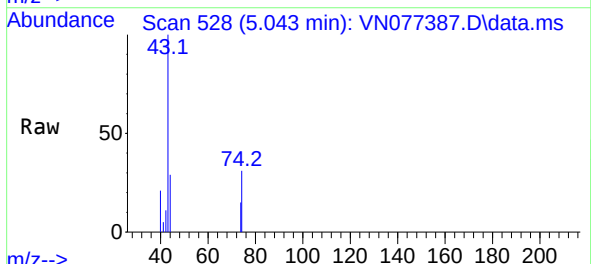
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#15

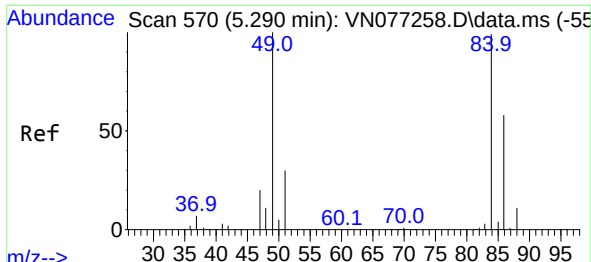
Tgt Ion: 43 Resp: 23695
Ion Ratio Lower Upper
43 100
58 32.0 29.0 43.6



#18
Methyl Acetate
Concen: 5.674 ug/l
RT: 5.043 min Scan# 528
Delta R.T. 0.006 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

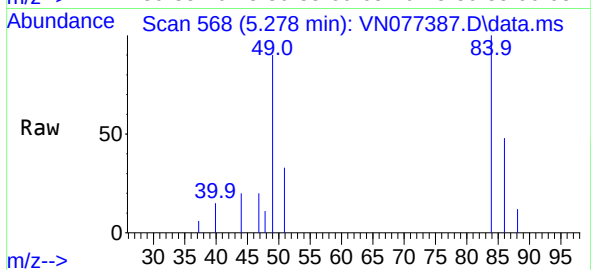
Tgt Ion: 43 Resp: 11315
Ion Ratio Lower Upper
43 100
74 28.6 23.4 35.2





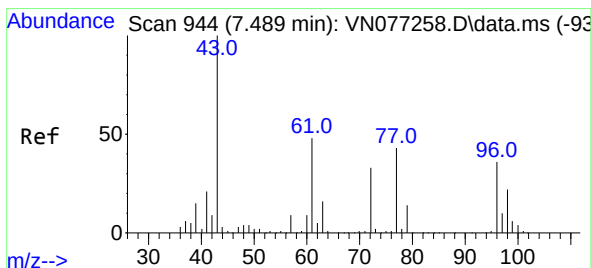
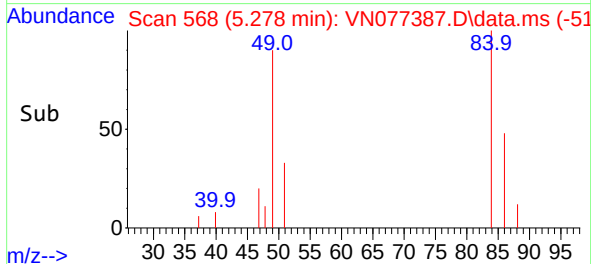
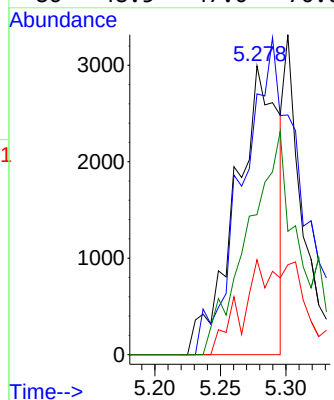
#20
Methylene Chloride
Concen: 4.594 ug/l
RT: 5.278 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#15



Tgt Ion: 84 Resp: 6793

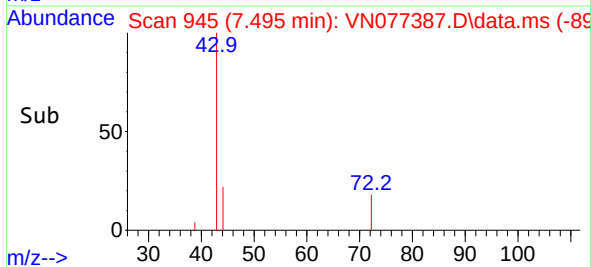
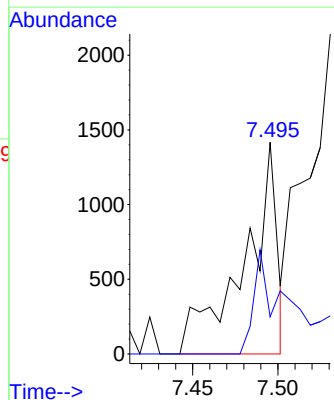
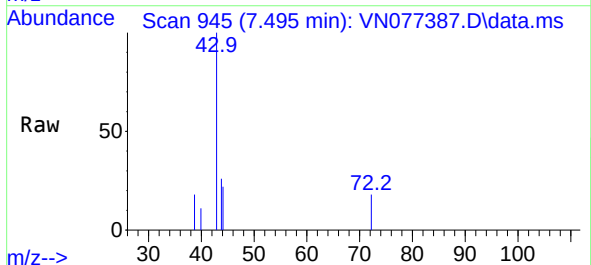
Ion	Ratio	Lower	Upper
84	100		
49	90.3	80.6	121.0
51	32.8	24.4	36.6
86	48.5	47.0	70.6

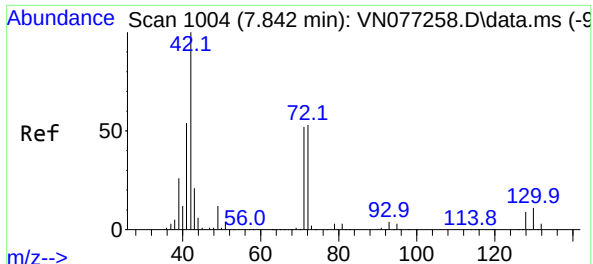


#25
2-Butanone
Concen: 2.216 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

Tgt Ion: 43 Resp: 1883

Ion	Ratio	Lower	Upper
43	100		
72	17.6	26.6	39.8#

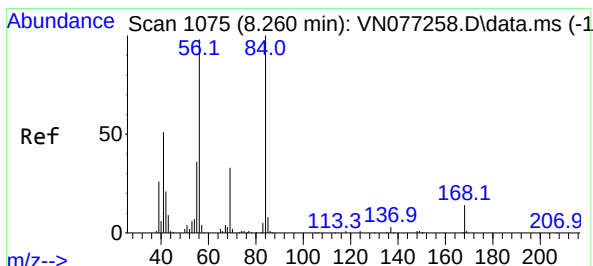
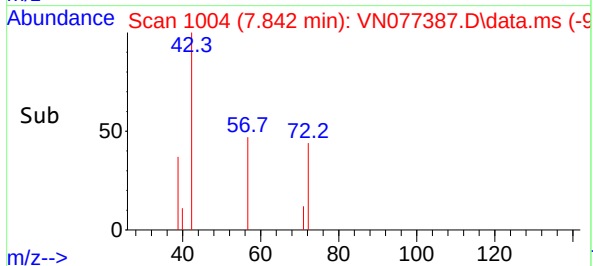
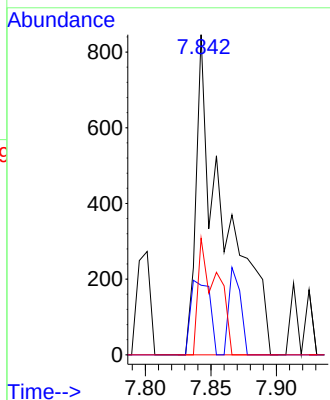
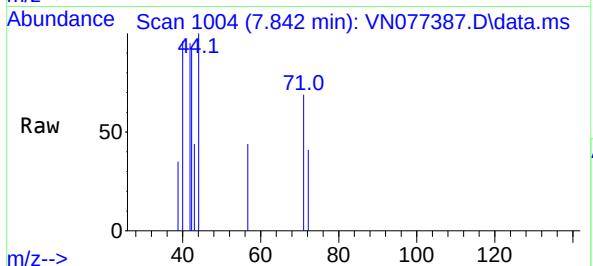




#29
Tetrahydrofuran
Concen: 2.275 ug/l
RT: 7.842 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

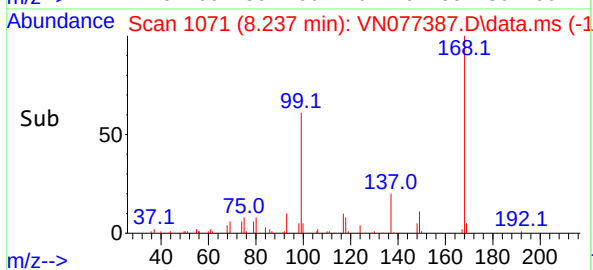
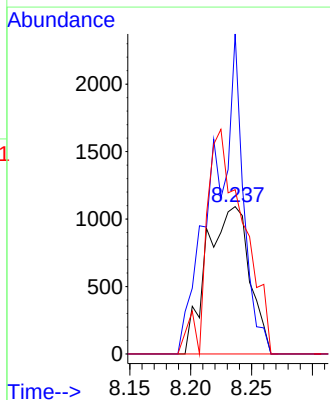
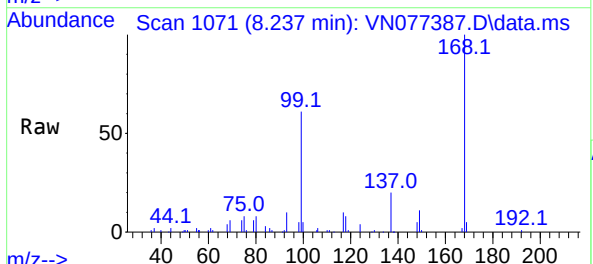
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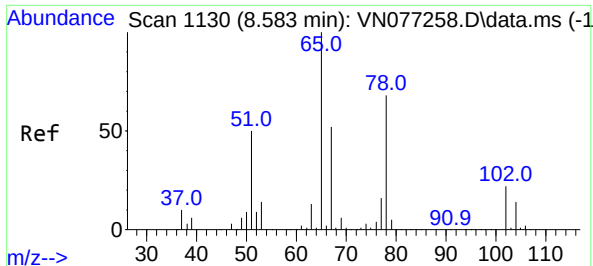
Tgt Ion:	42	Resp:	1243
Ion	Ratio	Lower	Upper
42	100		
72	15.9	44.6	66.8#
71	24.7	41.3	61.9#



#31
Cyclohexane
Concen: 1.208 ug/l
RT: 8.237 min Scan# 1071
Delta R.T. -0.023 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

Tgt Ion:	56	Resp:	2666
Ion	Ratio	Lower	Upper
56	100		
69	217.2	26.6	40.0#
84	111.5	81.8	122.8

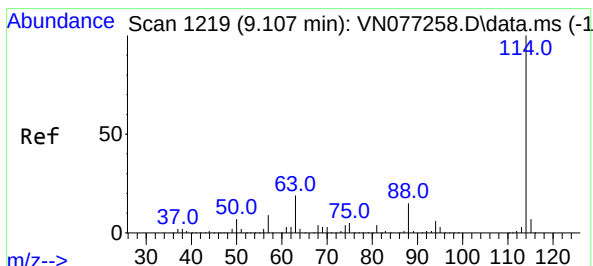
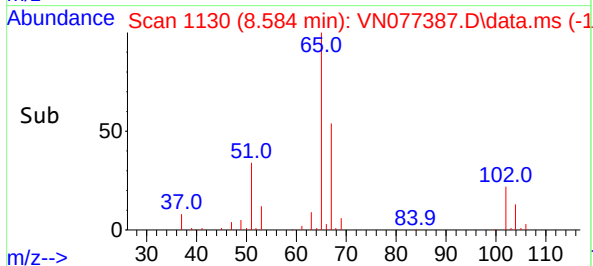
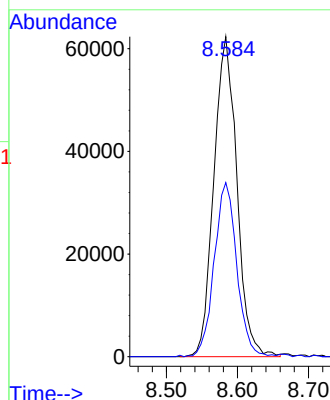
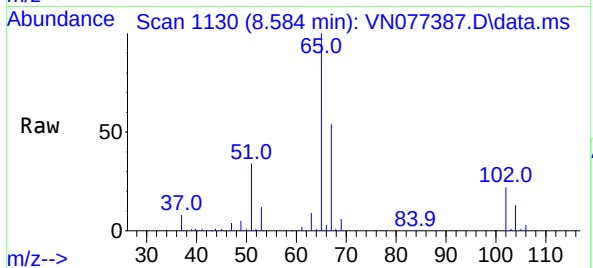




#33
1,2-Dichloroethane-d4
Concen: 98.549 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

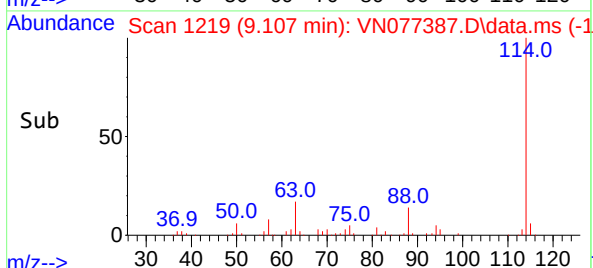
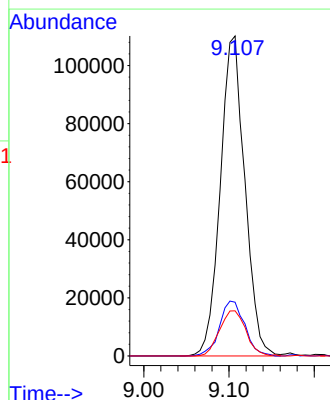
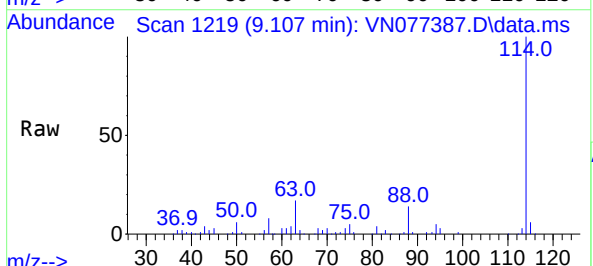
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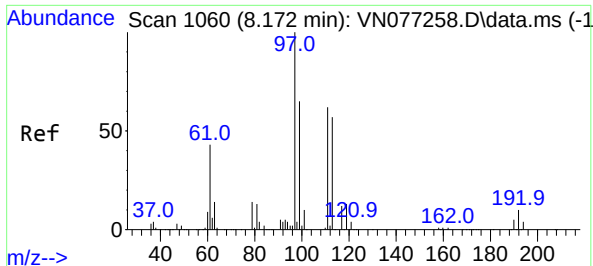
Tgt Ion: 65 Resp: 139954
Ion Ratio Lower Upper
65 100
67 53.4 0.0 108.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

Tgt Ion: 114 Resp: 220361
Ion Ratio Lower Upper
114 100
63 16.8 0.0 37.8
88 14.1 0.0 29.4

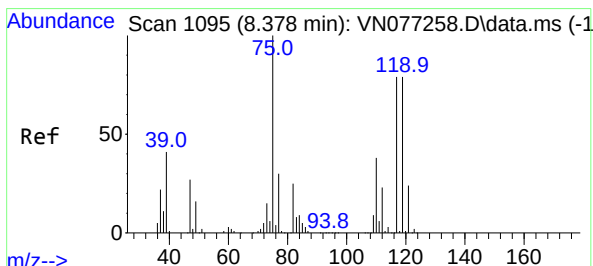
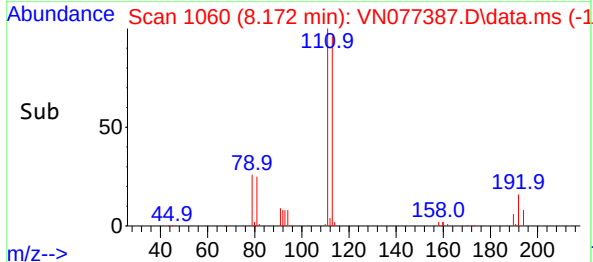
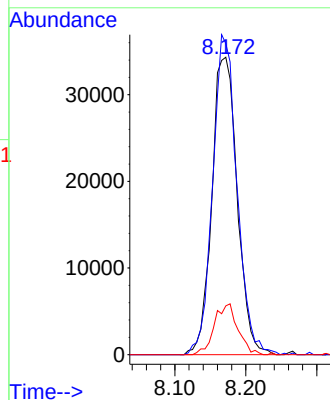
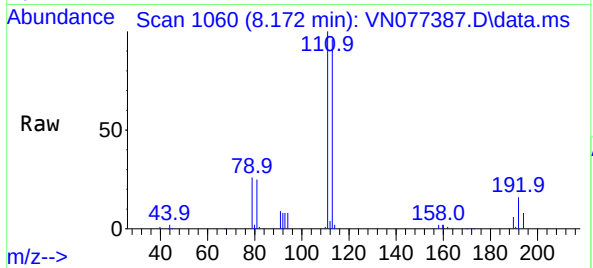




#35
Dibromofluoromethane
Concen: 60.415 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

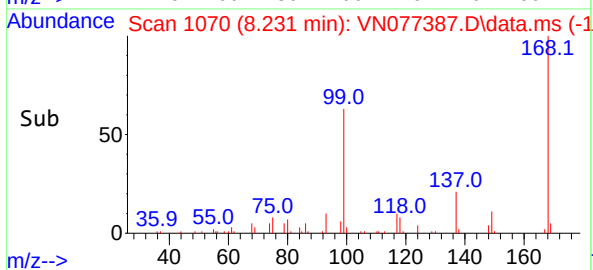
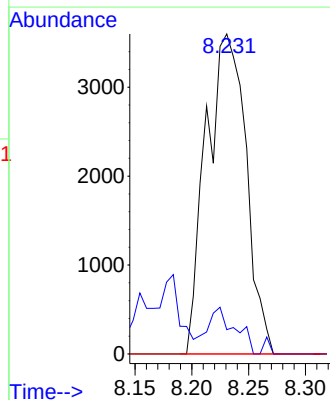
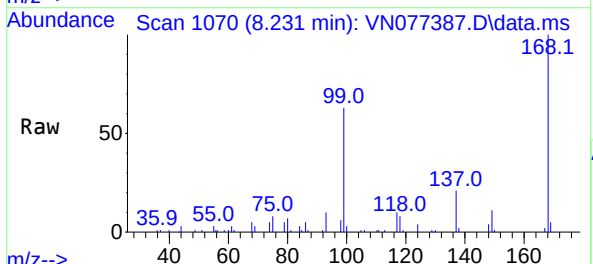
Instrument : MSVOA_N
ClientSampleId : PB152199ZHE#15

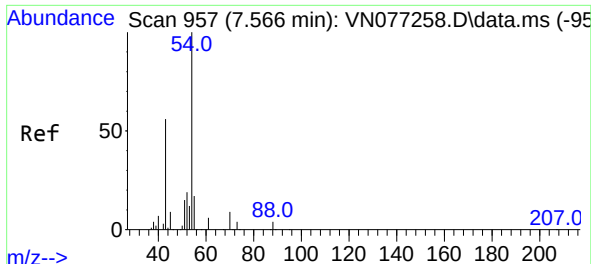
Tgt Ion: 113 Resp: 85226
Ion Ratio Lower Upper
113 100
111 103.1 83.4 125.0
192 15.8 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.226 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

Tgt Ion: 75 Resp: 8818
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.5#
77 0.0 25.0 37.4#

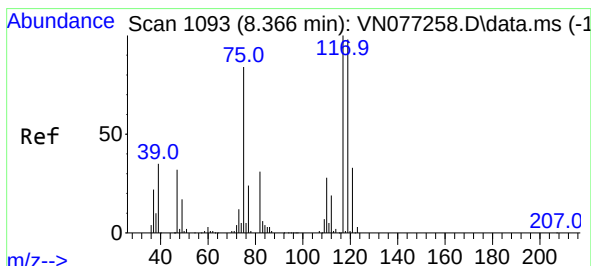
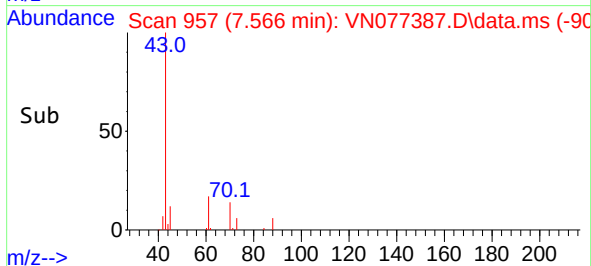
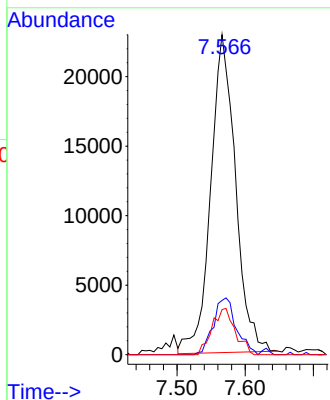
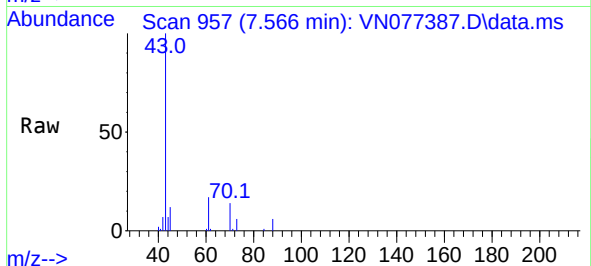




#37
Ethyl Acetate
Concen: 31.048 ug/l
RT: 7.566 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

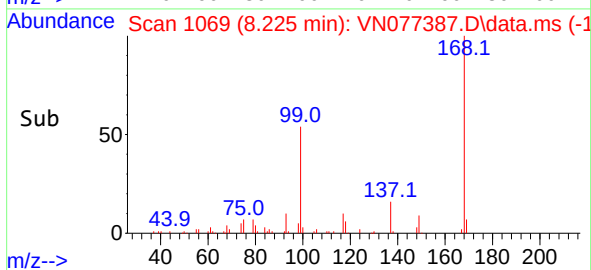
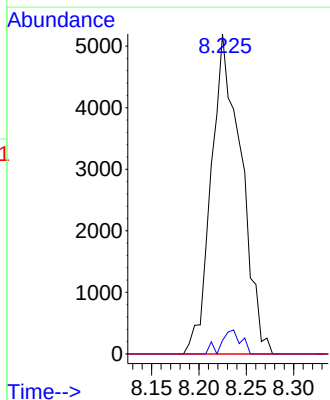
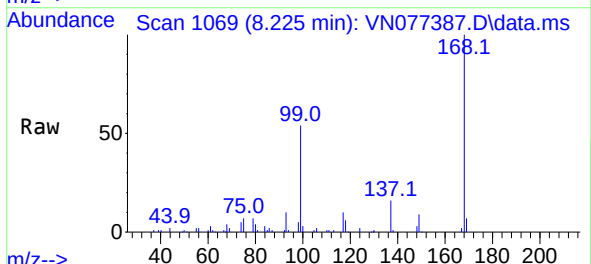
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#15

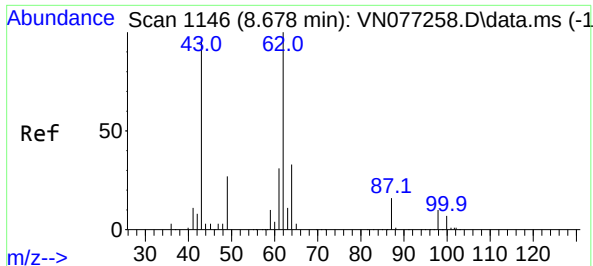
Tgt Ion:	43	Resp:	57959
Ion	Ratio	Lower	Upper
43	100		
61	16.6	12.2	18.2
70	13.5	10.0	15.0



#38
Carbon Tetrachloride
Concen: 5.339 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.141 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

Tgt Ion:	117	Resp:	11412
Ion	Ratio	Lower	Upper
117	100		
119	4.3	78.5	117.7#
121	0.0	26.6	40.0#





#42

1,2-Dichloroethane

Concen: 1.575 ug/l

RT: 8.684 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN077387.D

Acq: 20 Apr 2023 02:30

Instrument :

MSVOA_N

ClientSampleId :

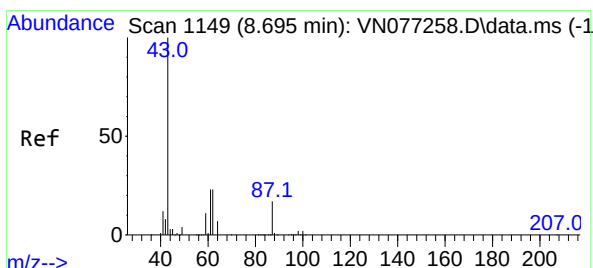
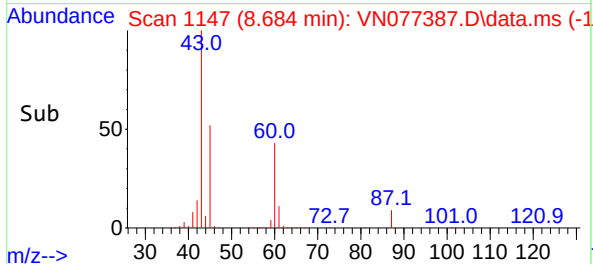
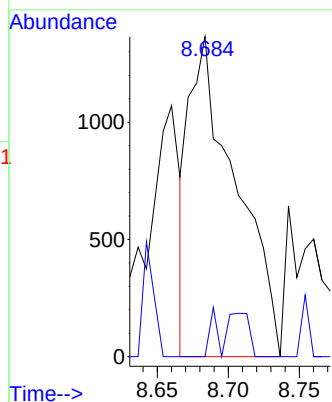
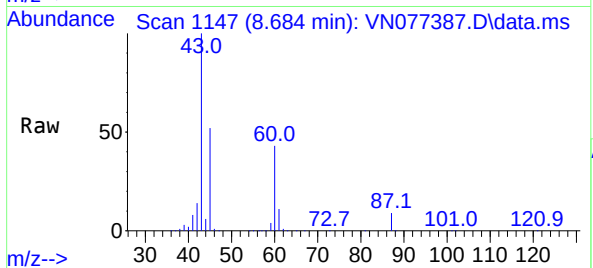
PB152199ZHE#15

Tgt Ion: 62 Resp: 3154

Ion Ratio Lower Upper

62 100

98 2.3 0.0 20.2



#43

Isopropyl Acetate

Concen: 373.649 ug/l

RT: 8.689 min Scan# 1148

Delta R.T. -0.006 min

Lab File: VN077387.D

Acq: 20 Apr 2023 02:30

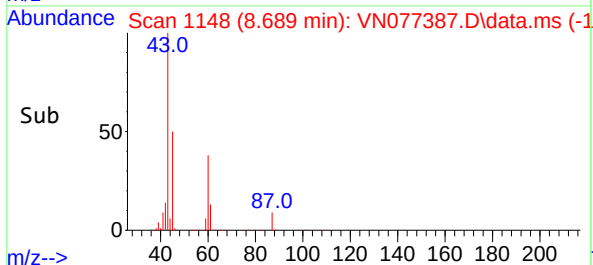
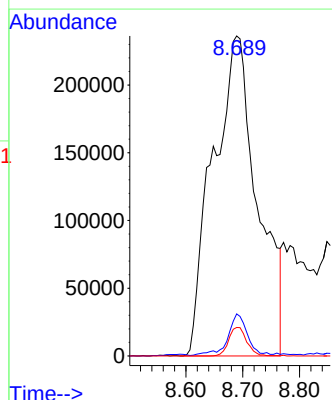
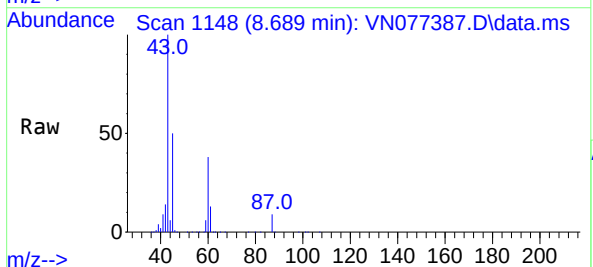
Tgt Ion: 43 Resp: 1287057

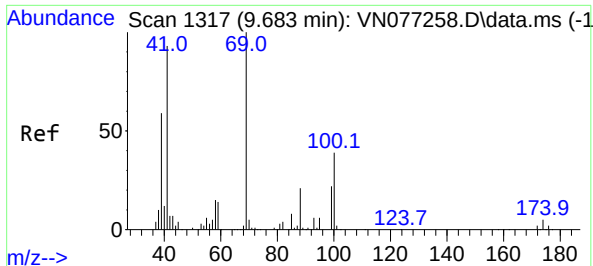
Ion Ratio Lower Upper

43 100

61 5.7 22.7 34.1#

87 3.6 13.6 20.4#

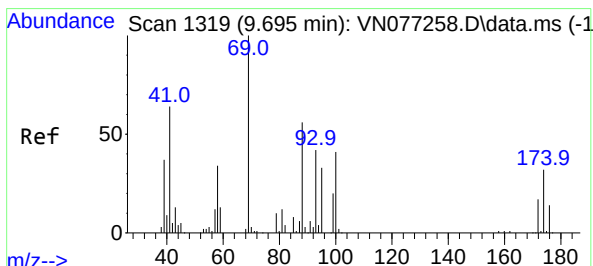
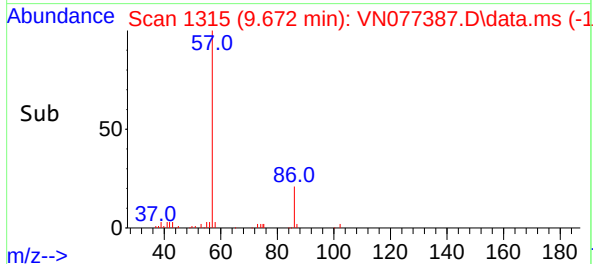
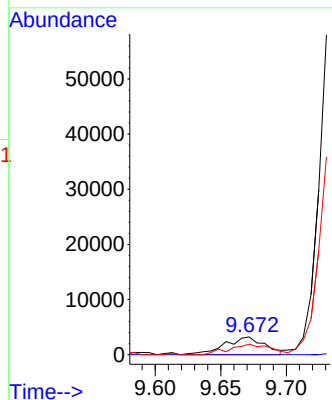
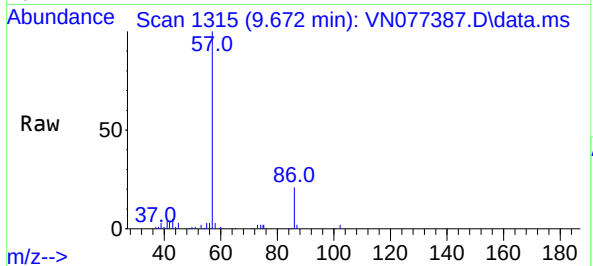




#48
Methyl methacrylate
Concen: 4.624 ug/l
RT: 9.672 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

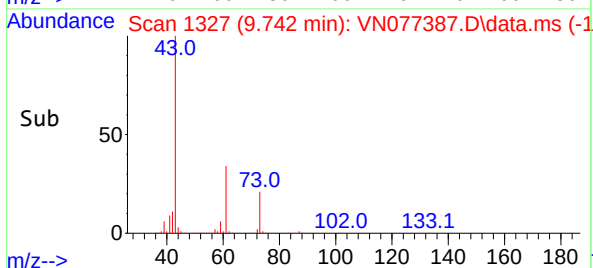
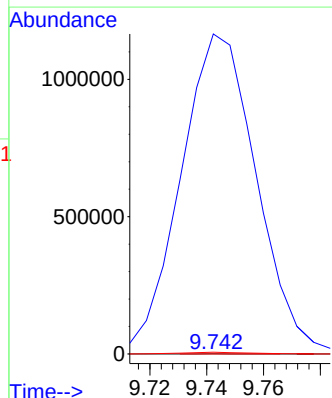
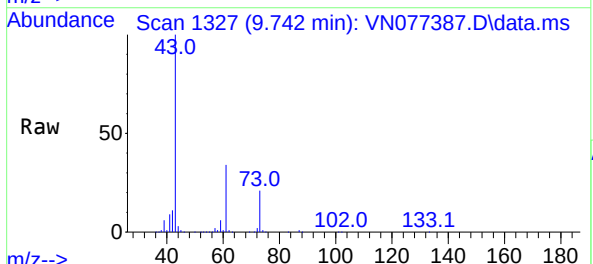
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#15

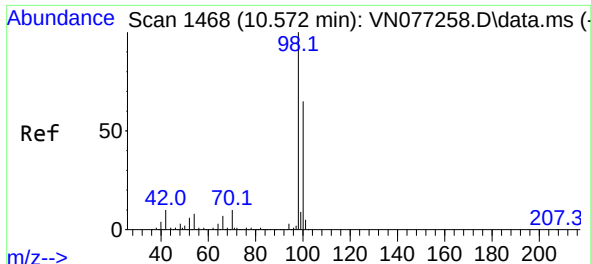
Tgt Ion: 41 Resp: 6794
Ion Ratio Lower Upper
41 100
69 0.0 85.0 127.6#
39 61.8 53.5 80.3



#49
1,4-Dioxane
Concen: 8.561 ug/l
RT: 9.742 min Scan# 1327
Delta R.T. 0.047 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

Tgt Ion: 88 Resp: 305
Ion Ratio Lower Upper
88 100
43 713670.2 17.0 25.6#
58 3608.5 49.8 74.6#

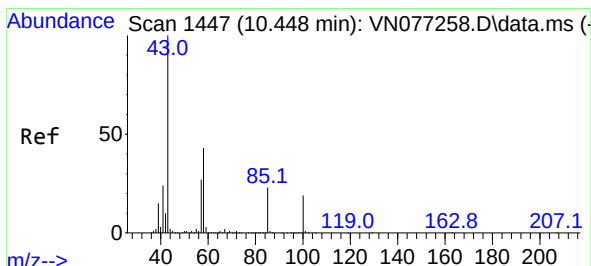
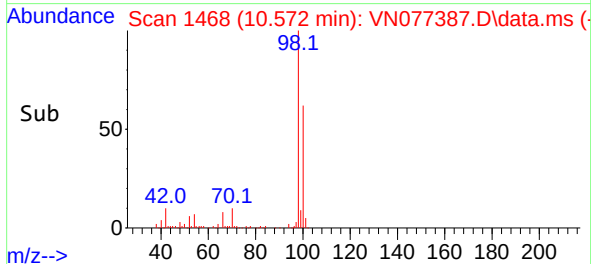
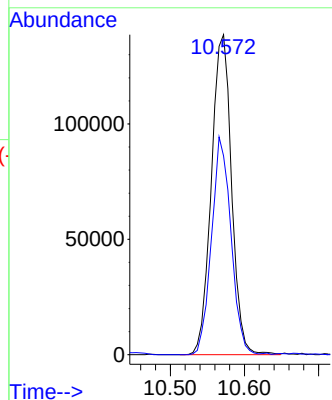
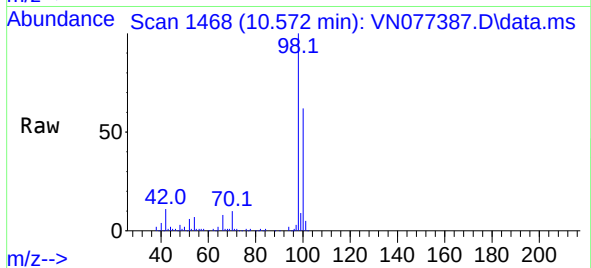




#50
Toluene-d8
Concen: 46.247 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

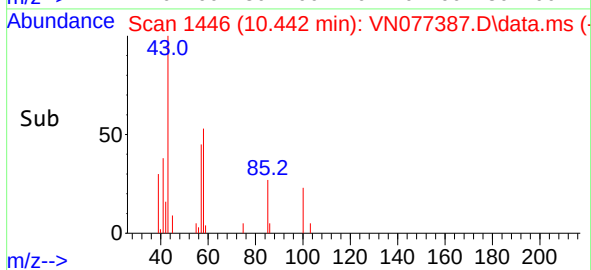
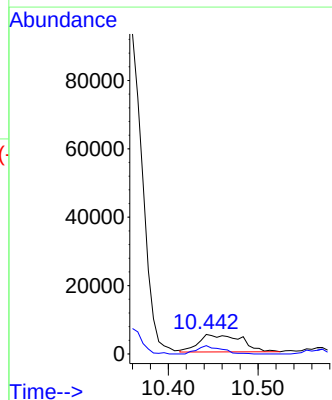
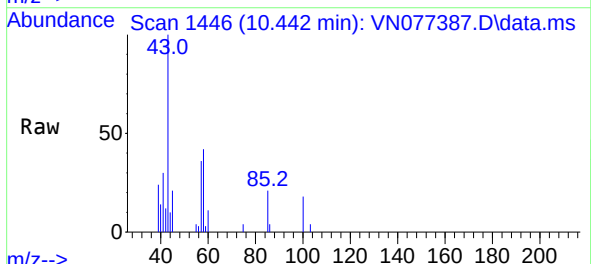
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#15

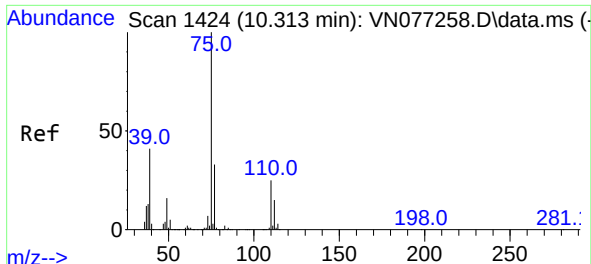
Tgt Ion: 98 Resp: 262636
Ion Ratio Lower Upper
98 100
100 65.5 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 8.504 ug/l
RT: 10.442 min Scan# 1446
Delta R.T. -0.006 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

Tgt Ion: 43 Resp: 16932
Ion Ratio Lower Upper
43 100
58 26.5 34.6 52.0#

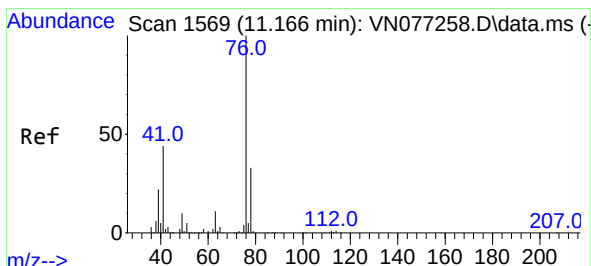
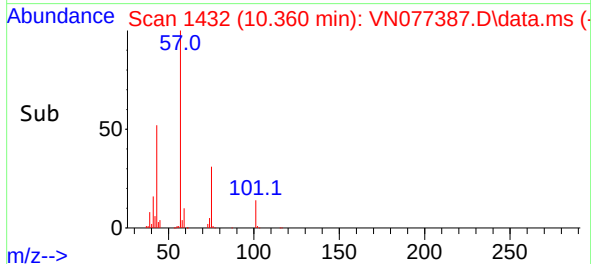
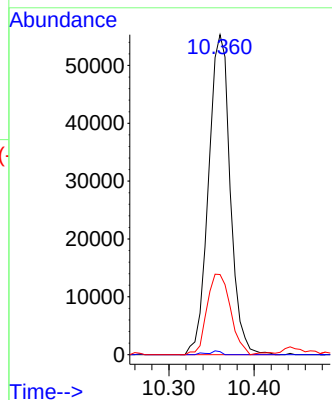
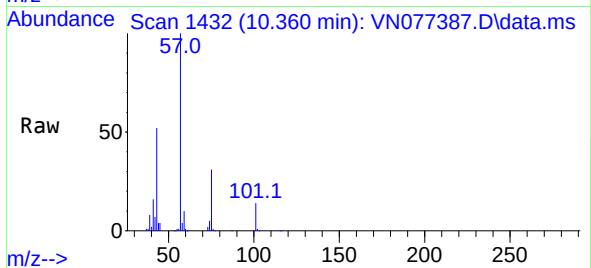




#54
cis-1,3-Dichloropropene
Concen: 36.204 ug/l
RT: 10.360 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

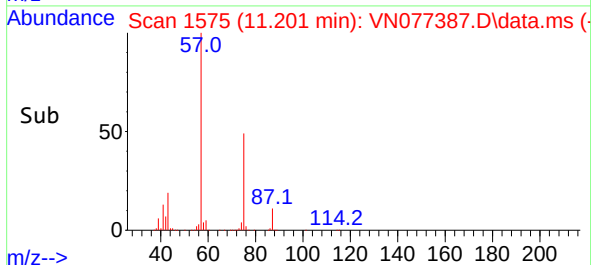
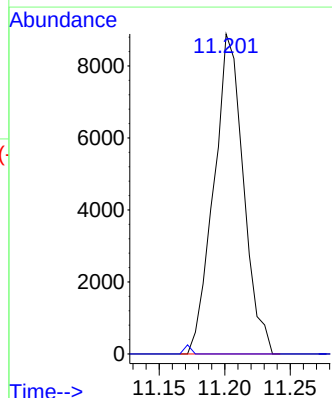
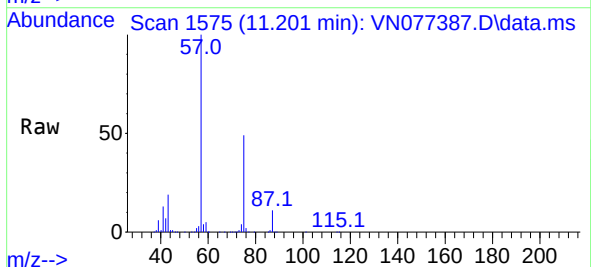
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#15

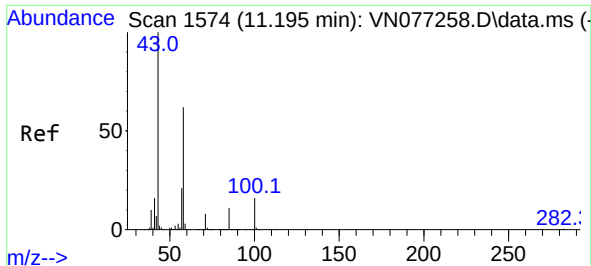
Tgt Ion: 75 Resp: 97467
Ion Ratio Lower Upper
75 100
77 1.0 26.7 40.1#
39 25.0 32.8 49.2#



#57
1,3-Dichloropropane
Concen: 5.047 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

Tgt Ion: 76 Resp: 13941
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.4#

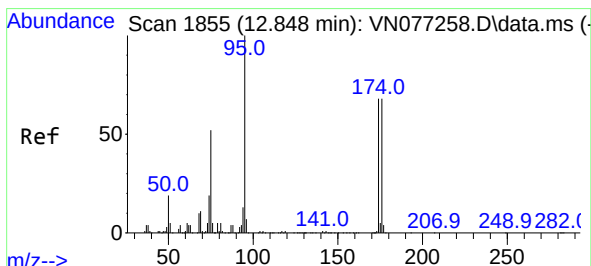
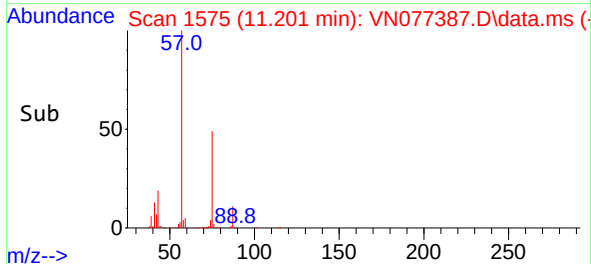
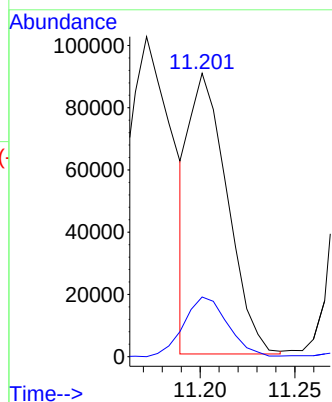
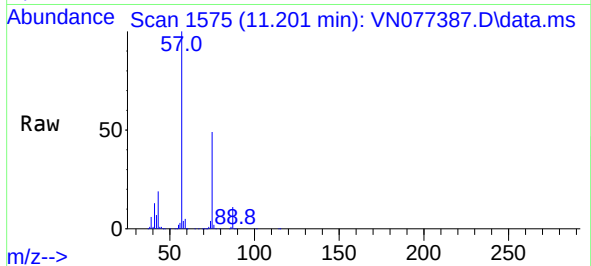




#59
2-Hexanone
Concen: 85.481 ug/l
RT: 11.201 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

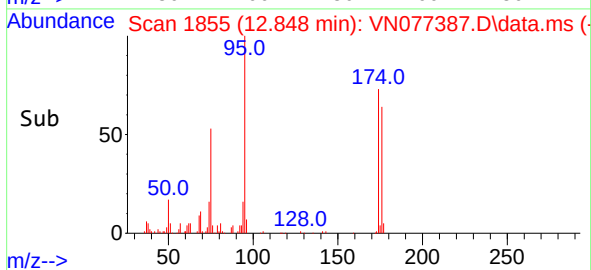
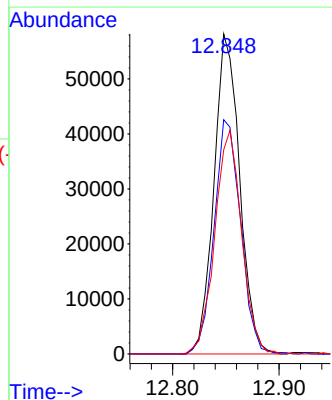
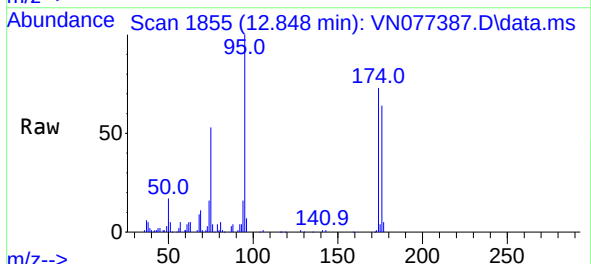
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#15

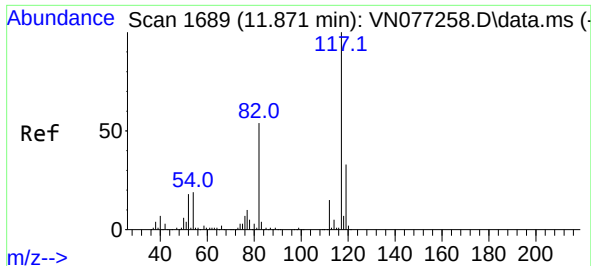
Tgt Ion: 43 Resp: 126795
Ion Ratio Lower Upper
43 100
58 24.6 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 51.638 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.000 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

Tgt Ion: 95 Resp: 97530
Ion Ratio Lower Upper
95 100
174 75.7 0.0 146.8
176 72.8 0.0 139.6

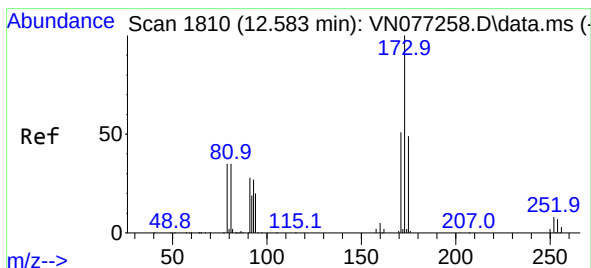
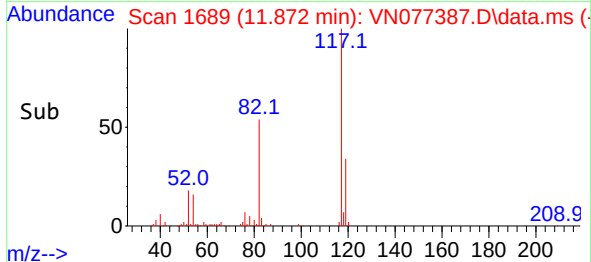
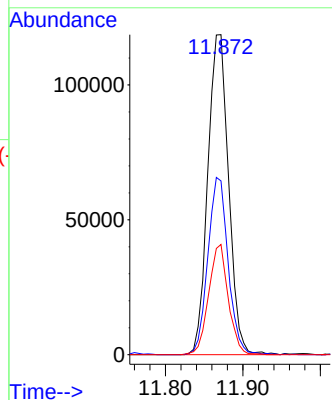
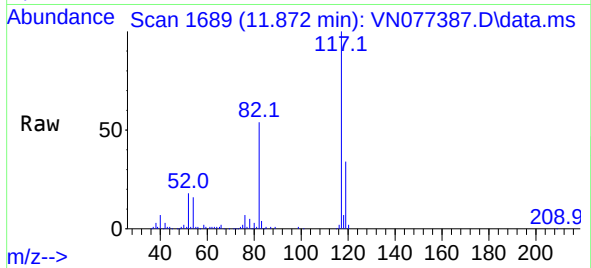




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

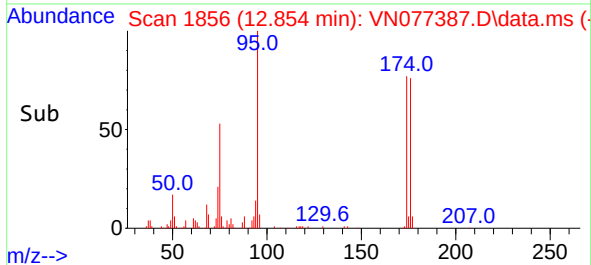
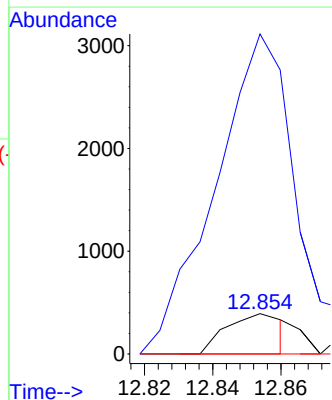
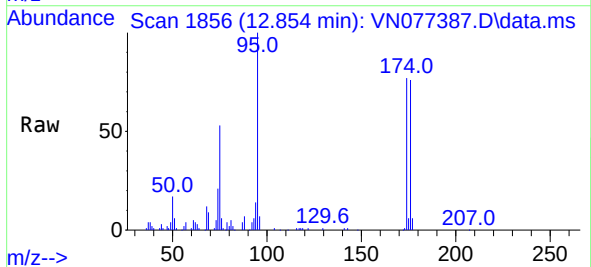
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#15

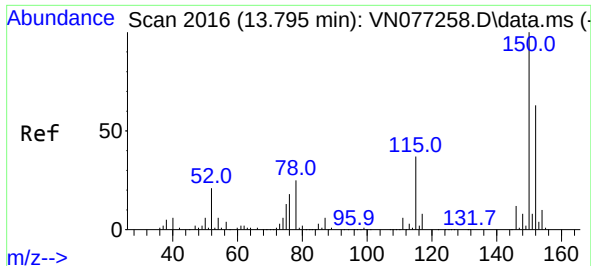
Tgt Ion:117 Resp: 221016
Ion Ratio Lower Upper
117 100
82 54.3 42.9 64.3
119 34.5 26.2 39.4



#71
Bromoform
Concen: 0.350 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

Tgt Ion:173 Resp: 453
Ion Ratio Lower Upper
173 100
175 960.9 24.1 72.4#
254 0.0 0.1 0.1#

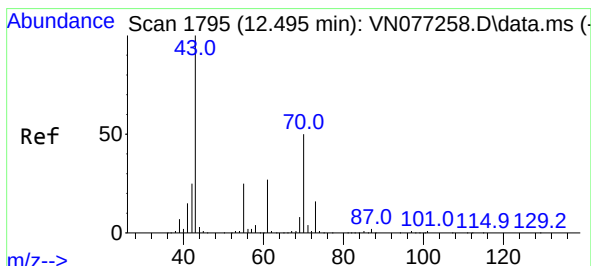
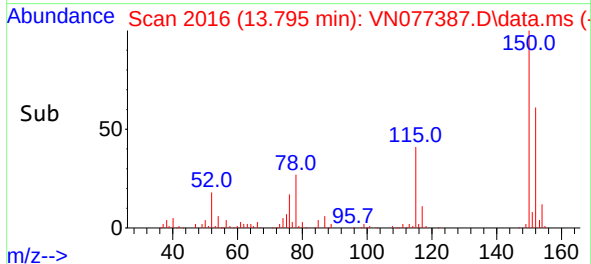
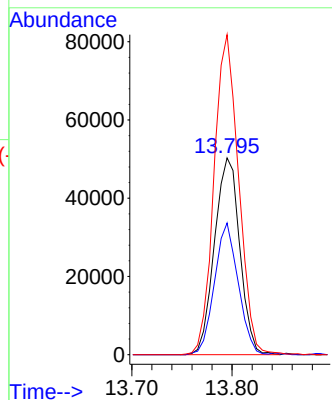
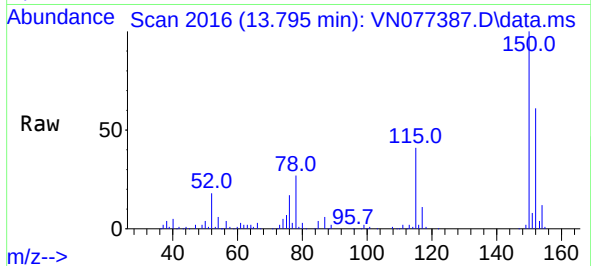




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

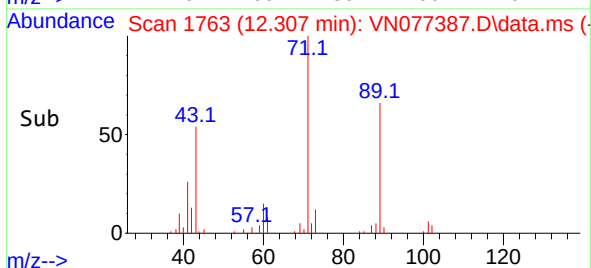
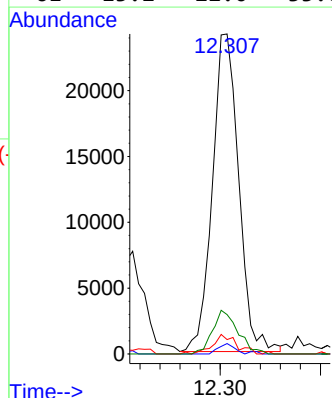
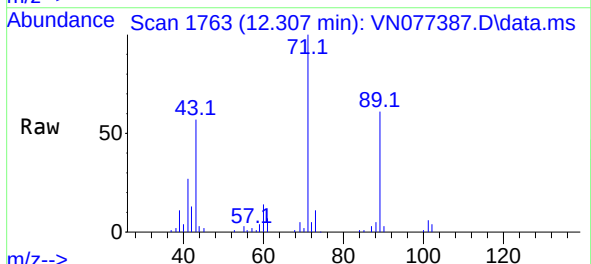
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#15

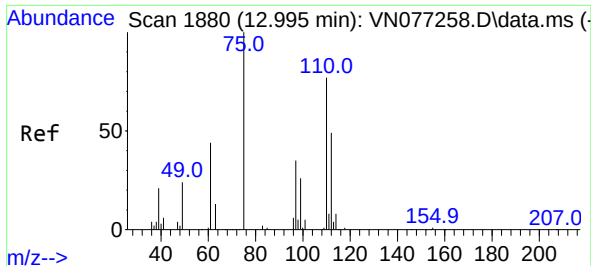
Tgt Ion:152 Resp: 87887
Ion Ratio Lower Upper
152 100
115 62.9 32.1 96.3
150 158.9 0.0 354.8



#74
N-ethyl acetate
Concen: 13.568 ug/l
RT: 12.307 min Scan# 1763
Delta R.T. -0.188 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

Tgt Ion: 43 Resp: 43894
Ion Ratio Lower Upper
43 100
70 2.0 41.0 61.6#
55 5.6 19.3 28.9#
61 13.2 22.0 33.0#

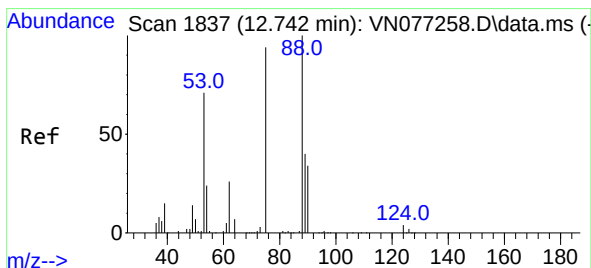
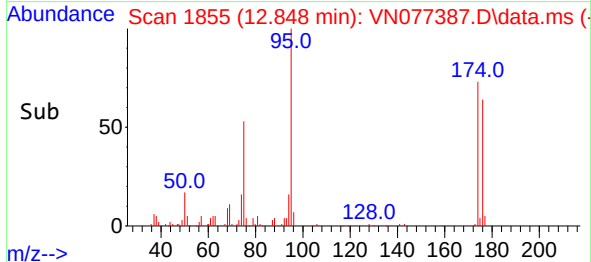
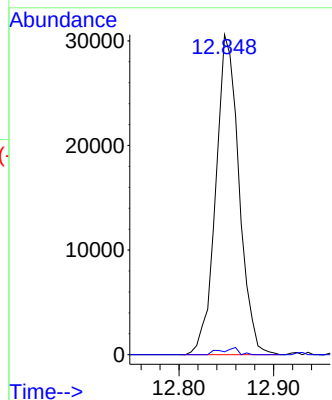
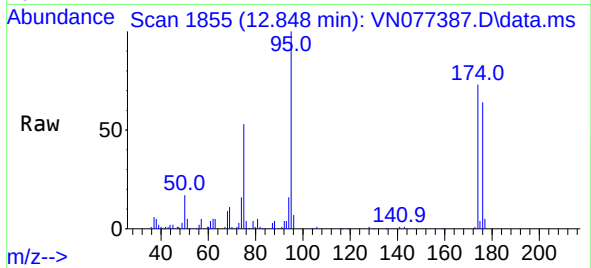




#76
1,2,3-Trichloropropane
Concen: 24.968 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

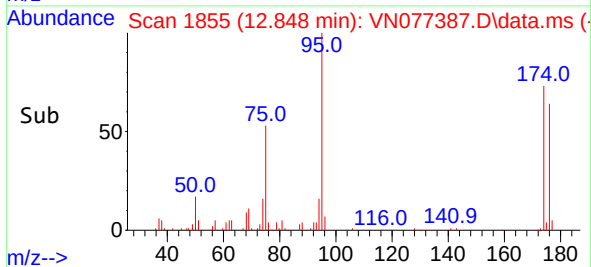
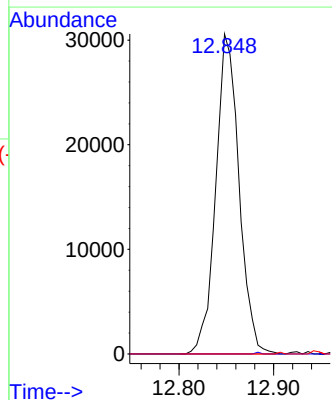
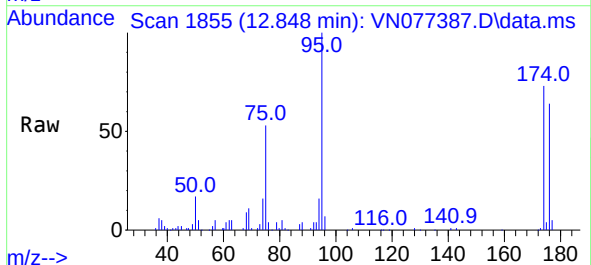
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#15

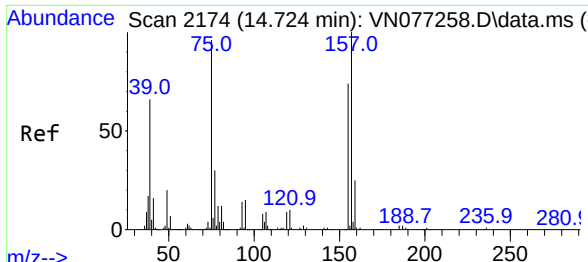
Tgt Ion: 75 Resp: 52254
Ion Ratio Lower Upper
75 100
77 1.7 88.3 264.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.187 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.106 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

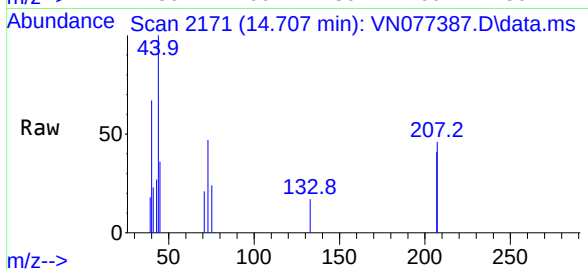
Tgt Ion: 75 Resp: 52254
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#





#92
1,2-Dibromo-3-Chloropropane
Concen: 0.400 ug/l
RT: 14.707 min Scan# 2171
Delta R.T. -0.017 min
Lab File: VN077387.D
Acq: 20 Apr 2023 02:30

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#15



Tgt Ion:	75	Resp:	203
Ion	Ratio	Lower	Upper
75	100		
155	0.0	41.0	123.2#
157	0.0	54.0	162.0#

