

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041923\
 Data File : VN077383.D
 Acq On : 19 Apr 2023 18:22
 Operator : JC\MD
 Sample : PB152199ZHE#11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152199ZHE#11

Quant Time: Apr 20 04:27:40 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)

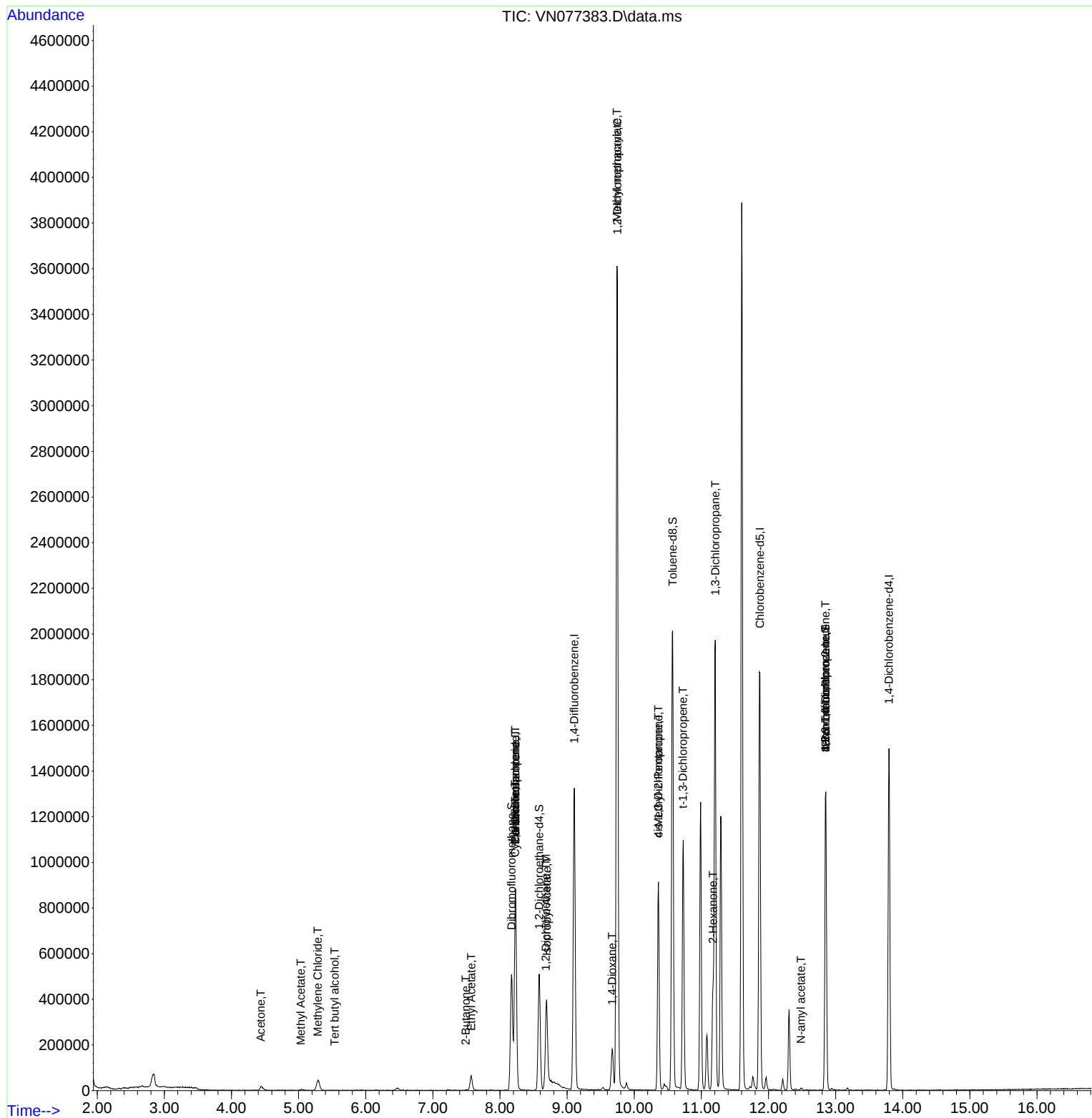
Internal Standards						
1) Pentafluorobenzene	8.230	168	643005	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1215308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	1134337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	407814	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	400237	45.543	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.080%		
35) Dibromofluoromethane	8.172	113	370215	47.585	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.180%		
50) Toluene-d8	10.571	98	1508676	48.170	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.340%		
62) 4-Bromofluorobenzene	12.848	95	477090	45.801	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.600%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.536	59	627	0.350	ug/l #	72
16) Acetone	4.437	43	34574	10.670	ug/l	98
18) Methyl Acetate	5.031	43	2820	0.229	ug/l #	22
20) Methylene Chloride	5.284	84	39838	4.353	ug/l	98
25) 2-Butanone	7.489	43	3679	0.700	ug/l #	41
31) Cyclohexane	8.225	56	16283	1.192	ug/l #	27
36) 1,1-Dichloropropene	8.230	75	53053	4.611	ug/l #	50
37) Ethyl Acetate	7.572	43	88390	8.586	ug/l	97
38) Carbon Tetrachloride	8.230	117	71957	6.104	ug/l #	14
42) 1,2-Dichloroethane	8.683	62	3275	0.296	ug/l	82
43) Isopropyl Acetate	8.695	43	459044	24.164	ug/l #	88
45) 1,2-Dichloropropane	9.748	63	4726	0.554	ug/l #	41
48) Methyl methacrylate	9.742	41	306498	37.821	ug/l #	34
49) 1,4-Dioxane	9.672	88	186	0.947	ug/l #	1
51) 4-Methyl-2-Pentanone	10.360	43	307859	28.036	ug/l #	43
53) t-1,3-Dichloropropene	10.724	75	3600	0.258	ug/l #	81
54) cis-1,3-Dichloropropene	10.360	75	185613	12.501	ug/l #	61
57) 1,3-Dichloropropane	11.207	76	24331	1.597	ug/l #	42
59) 2-Hexanone	11.171	43	322894	39.471	ug/l #	20
71) Bromoform	12.854	173	2238	0.336	ug/l #	1
74) N-amyl acetate	12.483	43	3361	0.224	ug/l #	48
76) 1,2,3-Trichloropropane	12.848	75	256069	26.369	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	256069	59.338	ug/l #	13

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

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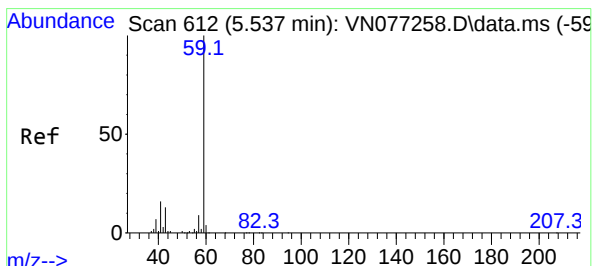
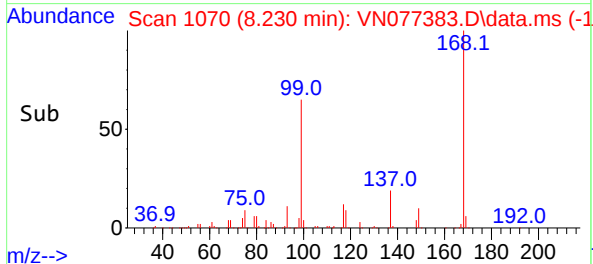
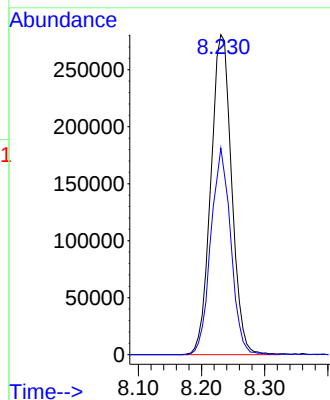
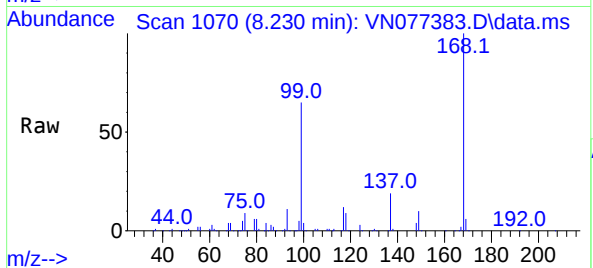




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.001 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

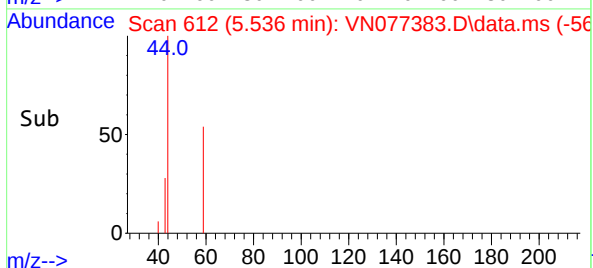
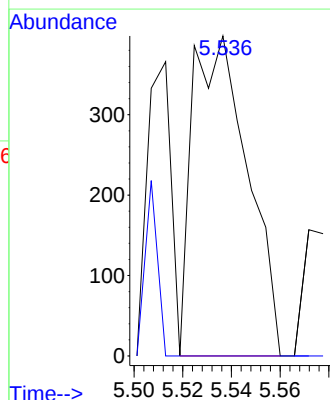
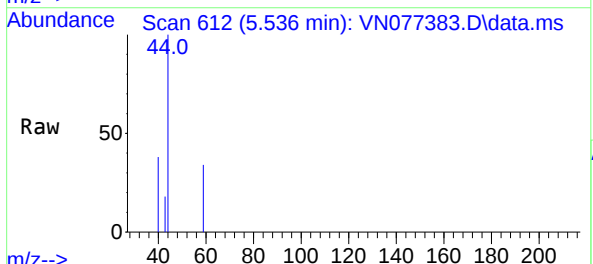
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#11

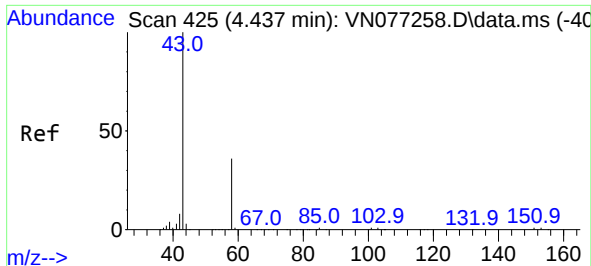
Tgt Ion:168 Resp: 643005
Ion Ratio Lower Upper
168 100
99 64.6 50.6 75.8



#11
Tert butyl alcohol
Concen: 0.350 ug/l
RT: 5.536 min Scan# 612
Delta R.T. -0.001 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

Tgt Ion: 59 Resp: 627
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

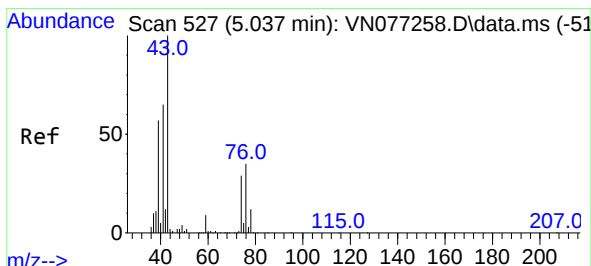
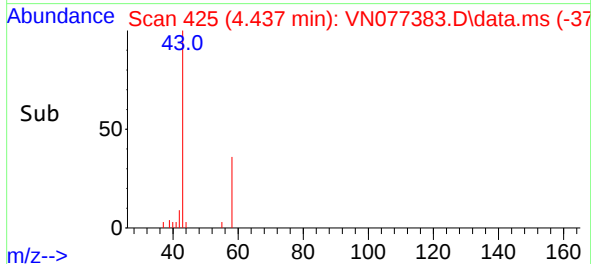
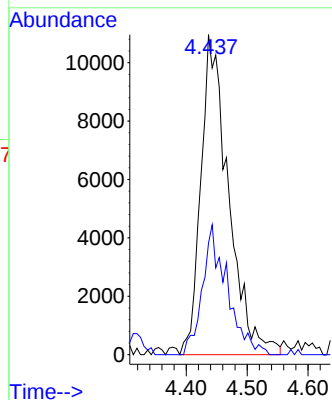
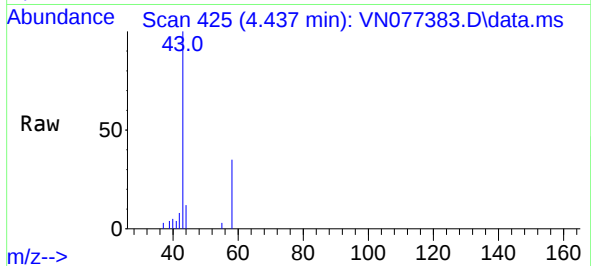




#16
Acetone
Concen: 10.670 ug/l
RT: 4.437 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

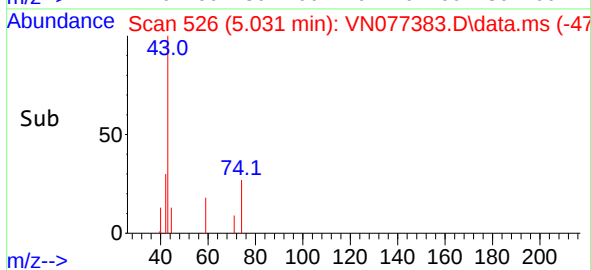
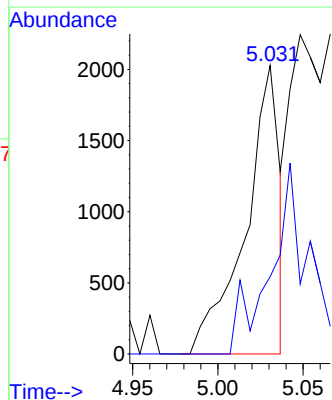
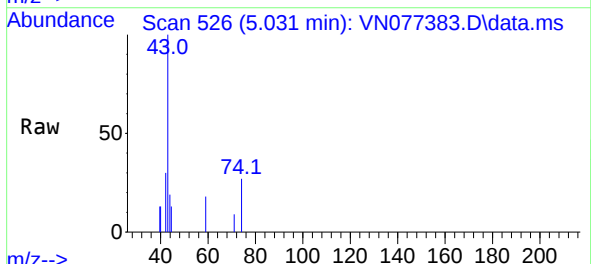
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#11

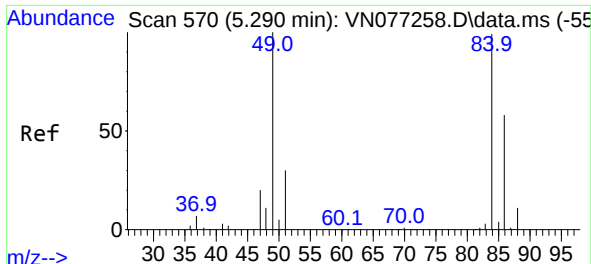
Tgt Ion: 43 Resp: 34574
Ion Ratio Lower Upper
43 100
58 34.9 29.0 43.6



#18
Methyl Acetate
Concen: 0.229 ug/l
RT: 5.031 min Scan# 526
Delta R.T. -0.006 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

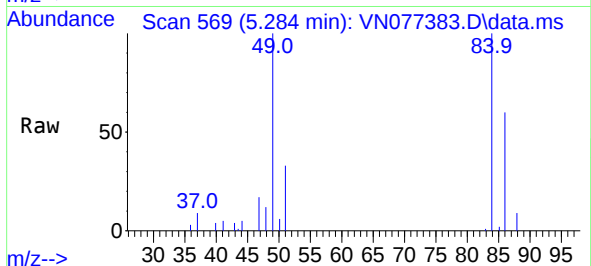
Tgt Ion: 43 Resp: 2820
Ion Ratio Lower Upper
43 100
74 70.9 23.4 35.2#





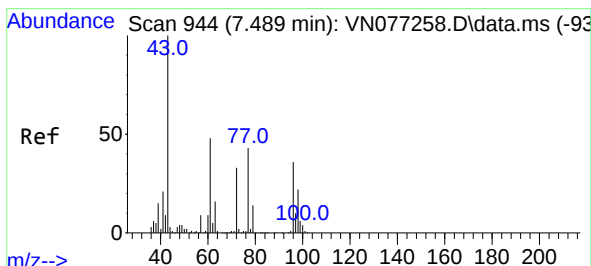
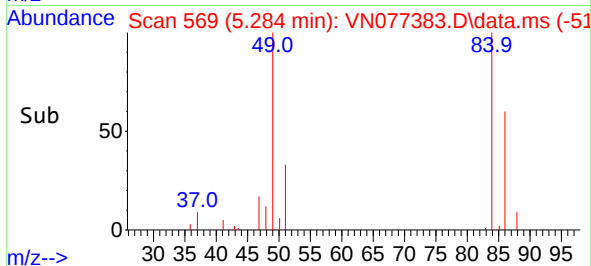
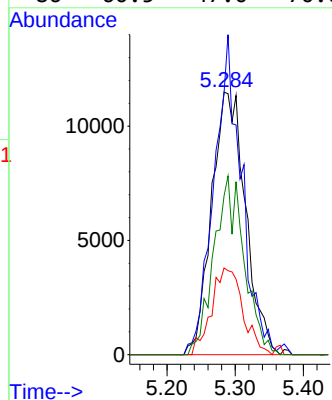
#20
Methylene Chloride
Concen: 4.353 ug/l
RT: 5.284 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#11



Tgt Ion: 84 Resp: 39838

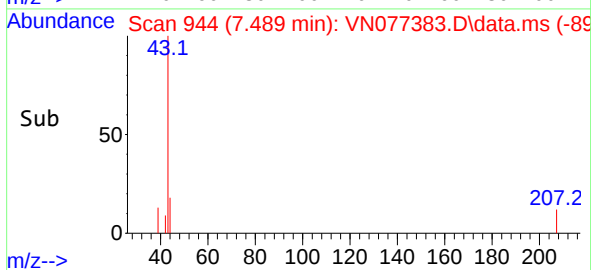
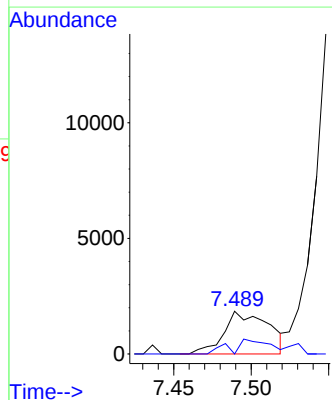
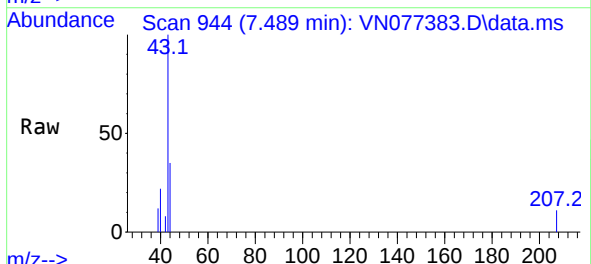
Ion	Ratio	Lower	Upper
84	100		
49	99.6	80.6	121.0
51	33.0	24.4	36.6
86	60.5	47.0	70.6

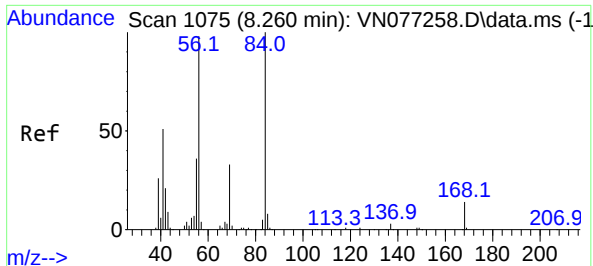


#25
2-Butanone
Concen: 0.700 ug/l
RT: 7.489 min Scan# 944
Delta R.T. 0.000 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

Tgt Ion: 43 Resp: 3679

Ion	Ratio	Lower	Upper
43	100		
72	0.0	26.6	39.8





#31

Cyclohexane

Concen: 1.192 ug/l

RT: 8.225 min Scan# 1

Delta R.T. -0.035 min

Lab File: VN077383.D

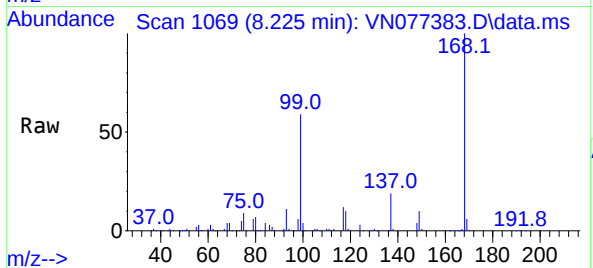
Acq: 19 Apr 2023 18:22

Instrument :

MSVOA_N

ClientSampleId :

PB152199ZHE#11



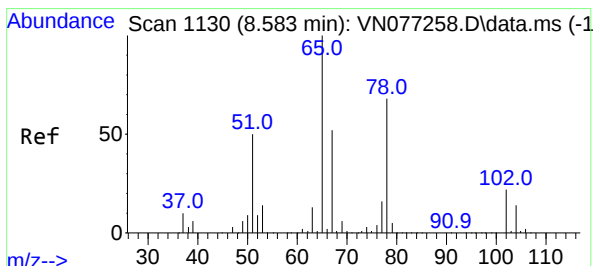
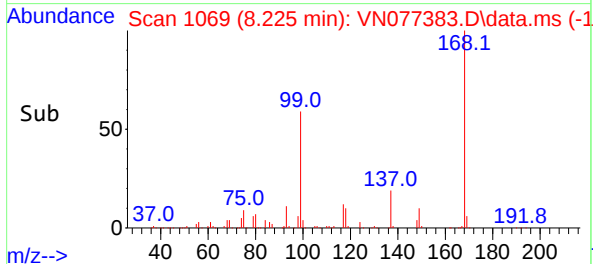
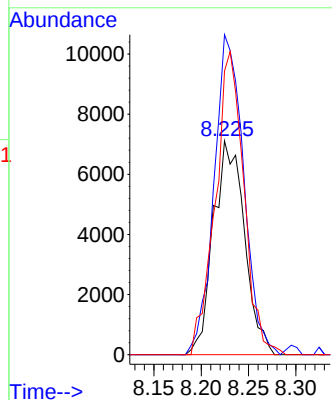
Tgt Ion: 56 Resp: 16283

Ion Ratio Lower Upper

56 100

69 149.7 26.6 40.0#

84 132.7 81.8 122.8#



#33

1,2-Dichloroethane-d4

Concen: 45.543 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077383.D

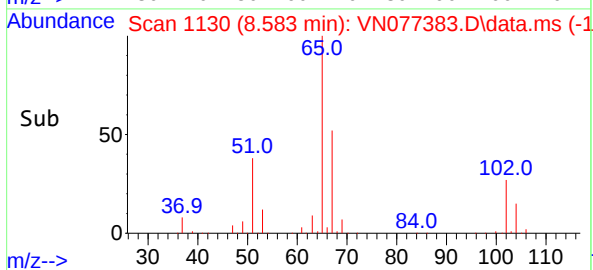
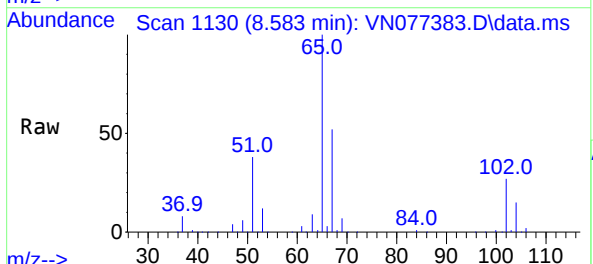
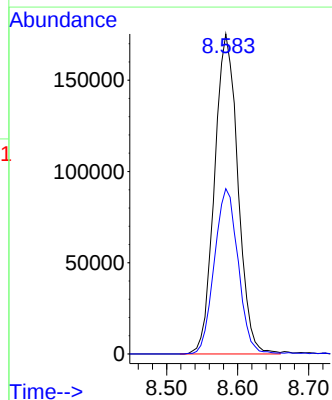
Acq: 19 Apr 2023 18:22

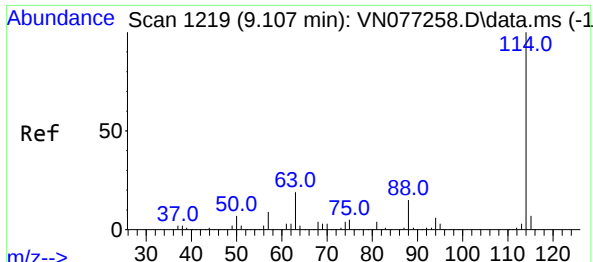
Tgt Ion: 65 Resp: 400237

Ion Ratio Lower Upper

65 100

67 52.6 0.0 108.8

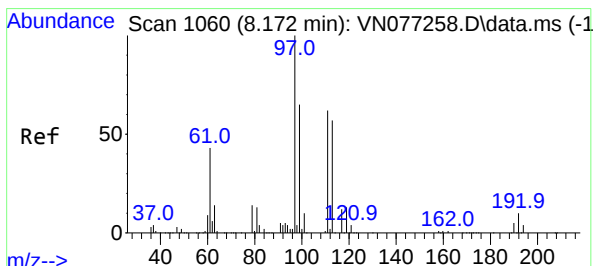
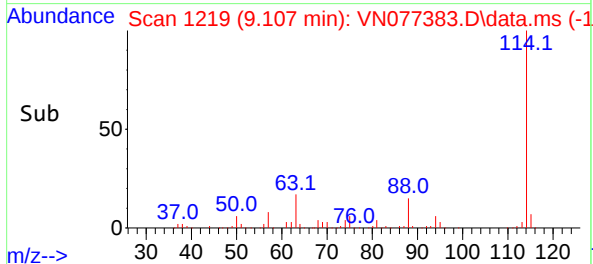
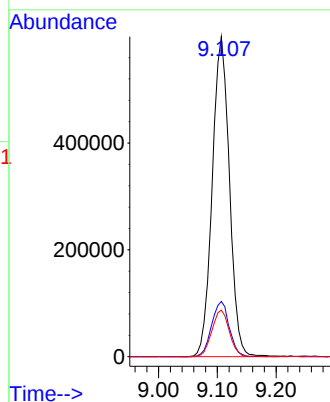
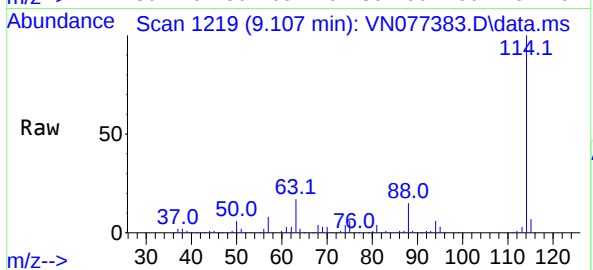




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

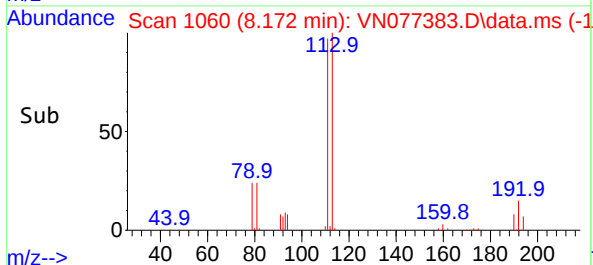
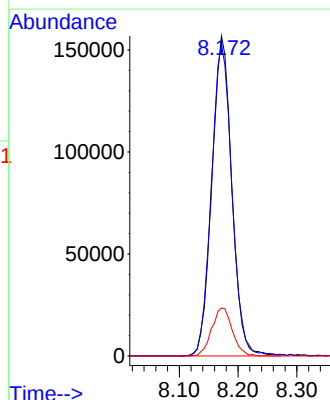
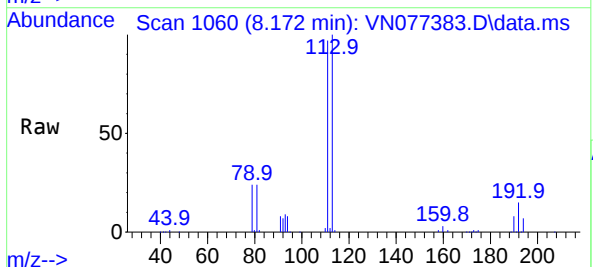
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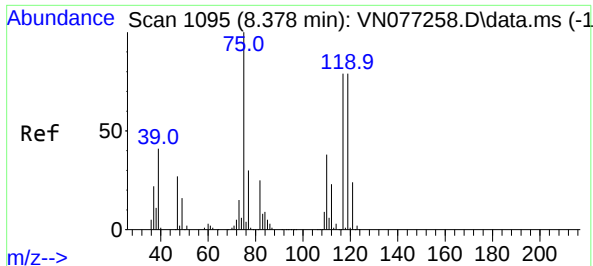
Tgt Ion:114 Resp: 1215308
Ion Ratio Lower Upper
114 100
63 17.2 0.0 37.8
88 14.6 0.0 29.4



#35
Dibromofluoromethane
Concen: 47.585 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

Tgt Ion:113 Resp: 370215
Ion Ratio Lower Upper
113 100
111 99.8 83.4 125.0
192 15.5 13.5 20.3

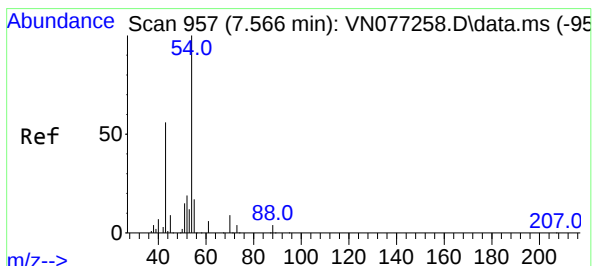
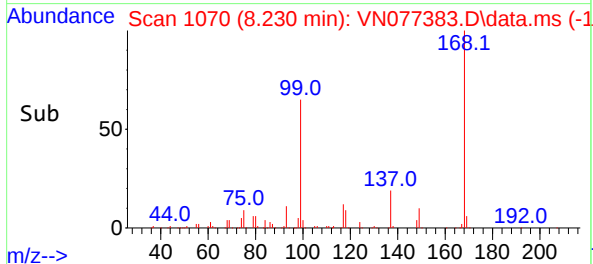
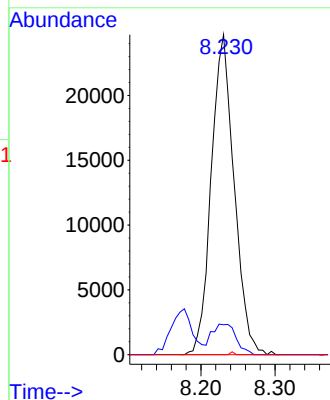
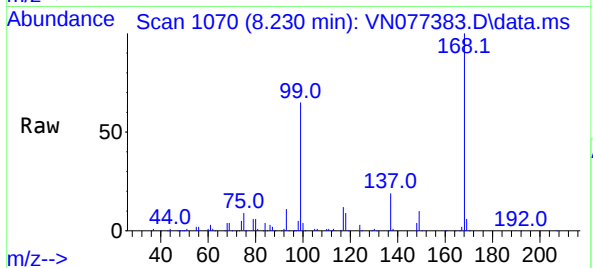




#36
1,1-Dichloropropene
Concen: 4.611 ug/l
RT: 8.230 min Scan# 1095
Delta R.T. -0.148 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

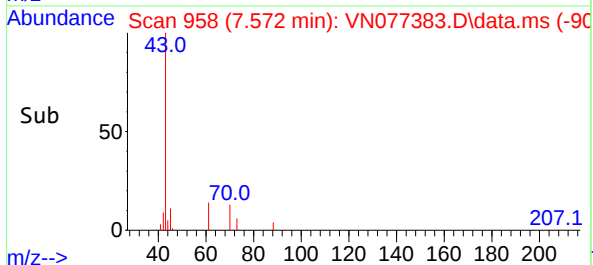
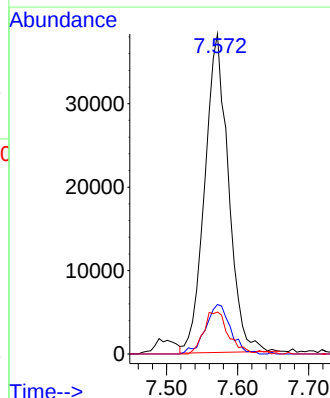
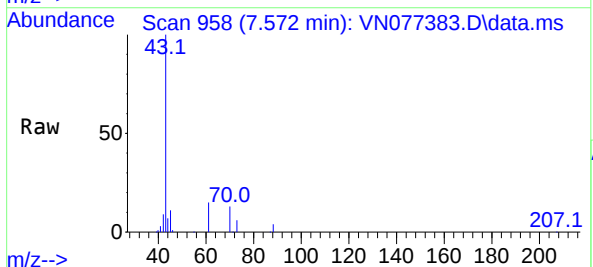
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PB152199ZHE#11

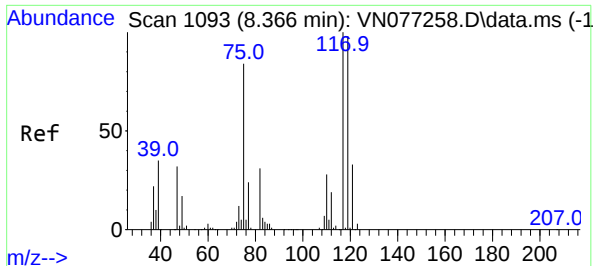
Tgt Ion: 75 Resp: 53053
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.5#
77 0.2 25.0 37.4#



#37
Ethyl Acetate
Concen: 8.586 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

Tgt Ion: 43 Resp: 88390
Ion Ratio Lower Upper
43 100
61 16.4 12.2 18.2
70 13.8 10.0 15.0

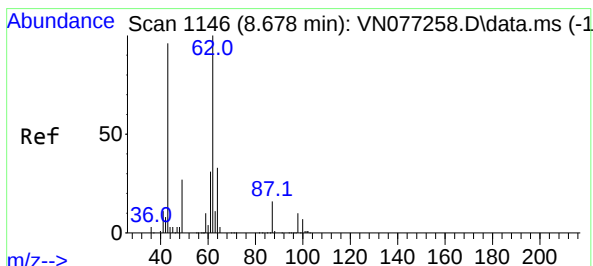
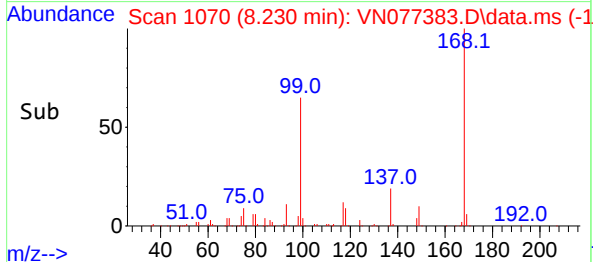
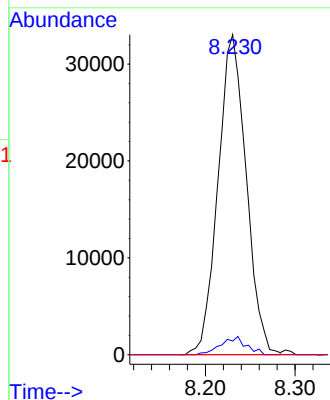
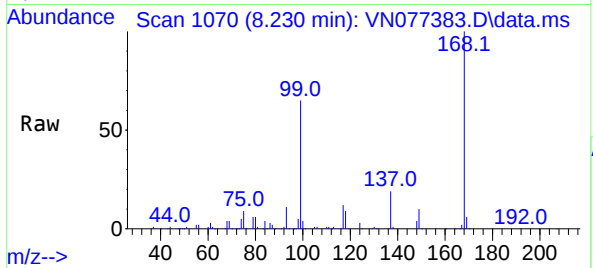




#38
Carbon Tetrachloride
Concen: 6.104 ug/l
RT: 8.230 min Scan# 110
Delta R.T. -0.136 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

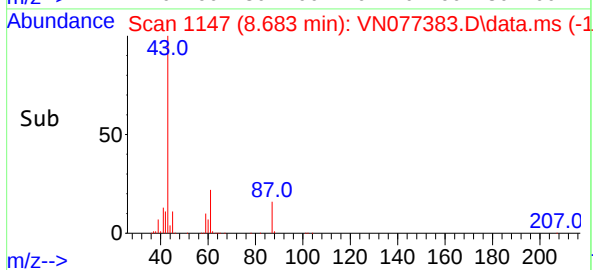
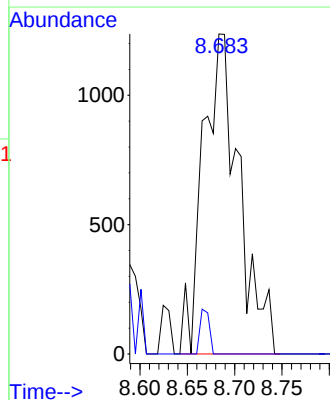
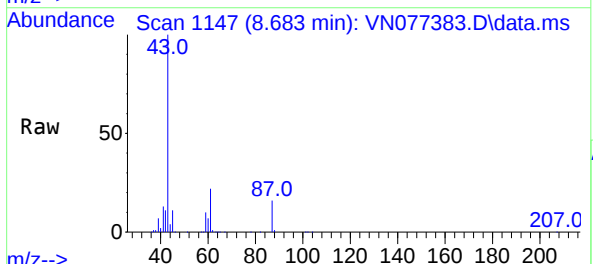
Instrument :
MSVOA_N
ClientSampleId :
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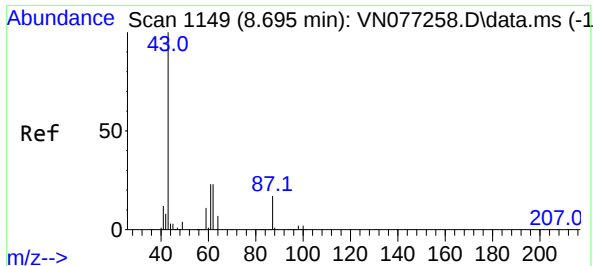
Tgt Ion:117 Resp: 71957
Ion Ratio Lower Upper
117 100
119 4.2 78.5 117.7#
121 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.296 ug/l
RT: 8.683 min Scan# 1147
Delta R.T. 0.005 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

Tgt Ion: 62 Resp: 3275
Ion Ratio Lower Upper
62 100
98 3.6 0.0 20.2

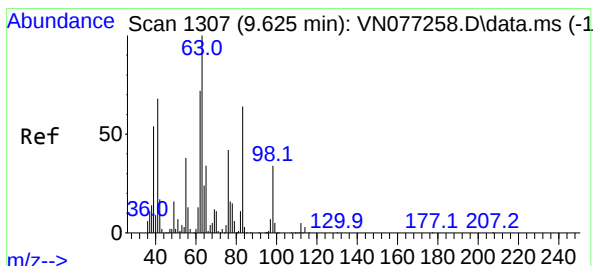
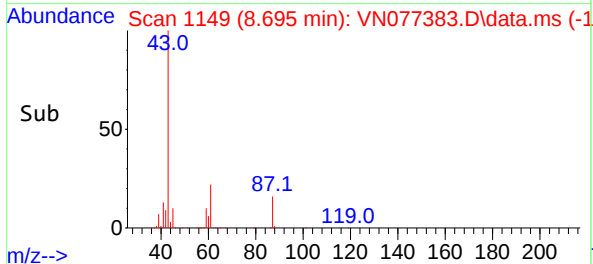
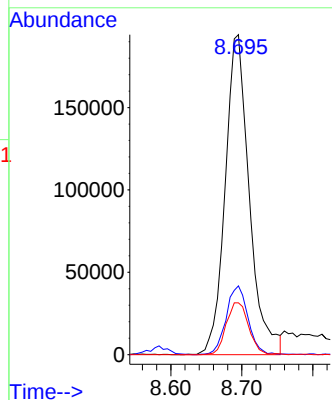
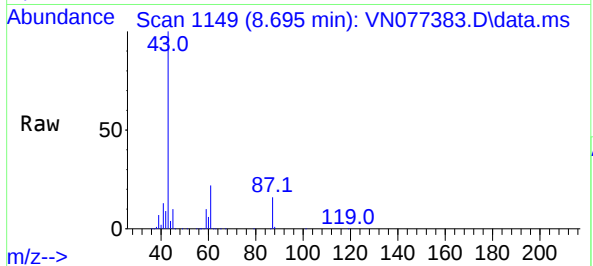




#43
Isopropyl Acetate
Concen: 24.164 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

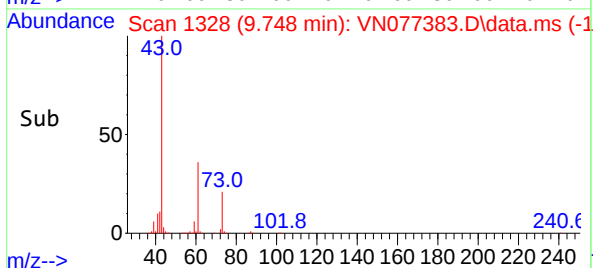
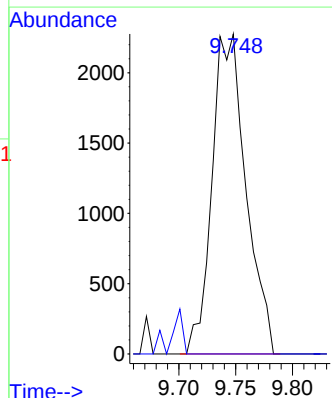
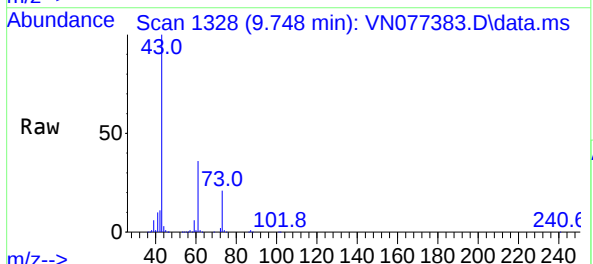
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#11

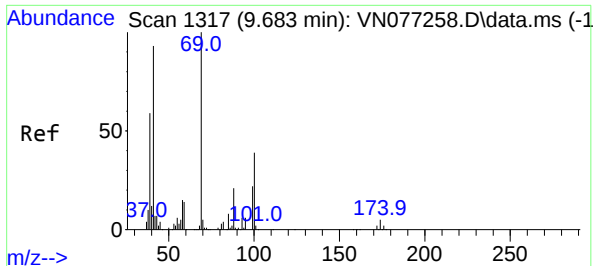
Tgt Ion: 43 Resp: 459044
Ion Ratio Lower Upper
43 100
61 19.6 22.7 34.1#
87 15.1 13.6 20.4



#45
1,2-Dichloropropane
Concen: 0.554 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.123 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

Tgt Ion: 63 Resp: 4726
Ion Ratio Lower Upper
63 100
65 0.0 27.1 40.7#





#48

Methyl methacrylate

Concen: 37.821 ug/l

RT: 9.742 min Scan# 1

Delta R.T. 0.059 min

Lab File: VN077383.D

Acq: 19 Apr 2023 18:22

Instrument :

MSVOA_N

ClientSampleId :

PB152199ZHE#11

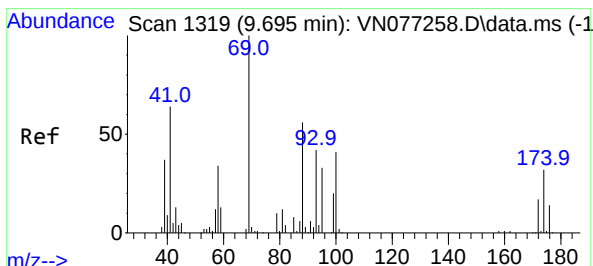
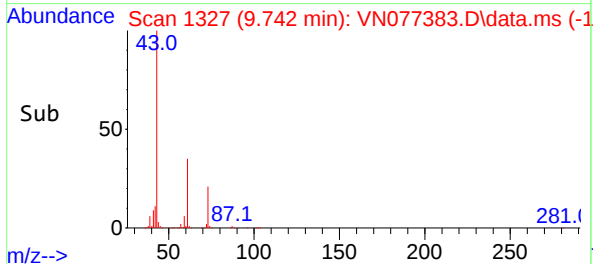
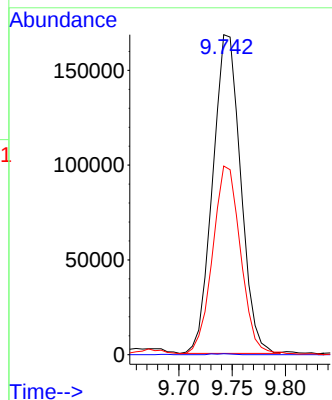
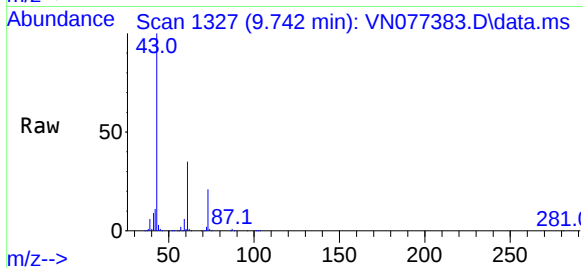
Tgt Ion: 41 Resp: 306498

Ion Ratio Lower Upper

41 100

69 0.2 85.0 127.6#

39 59.9 53.5 80.3



#49

1,4-Dioxane

Concen: 0.947 ug/l

RT: 9.672 min Scan# 1315

Delta R.T. -0.024 min

Lab File: VN077383.D

Acq: 19 Apr 2023 18:22

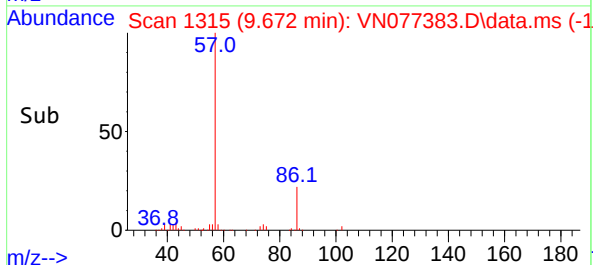
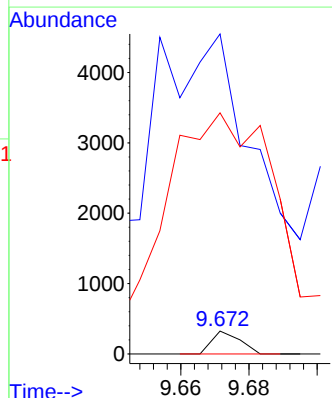
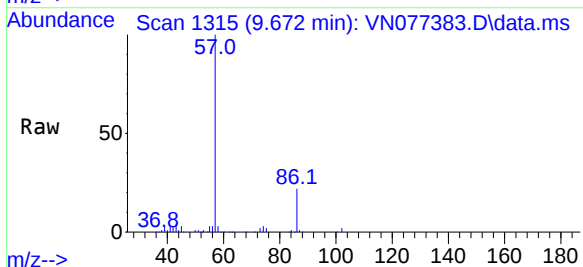
Tgt Ion: 88 Resp: 186

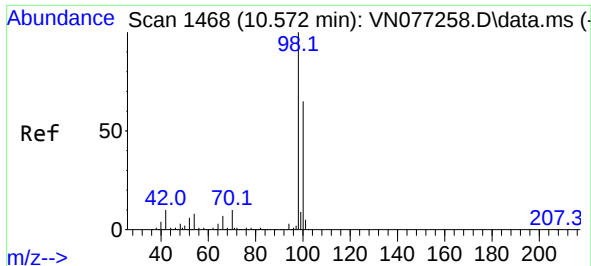
Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 4463.4 49.8 74.6#

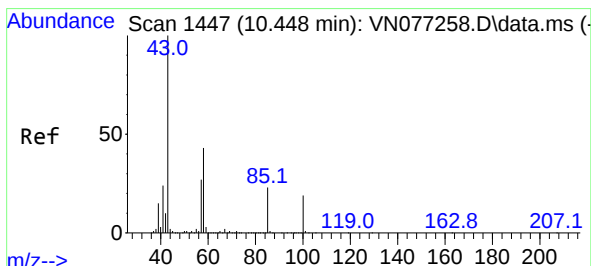
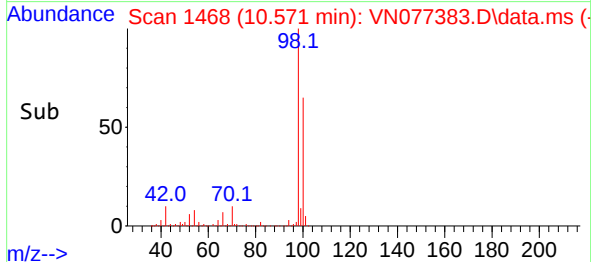
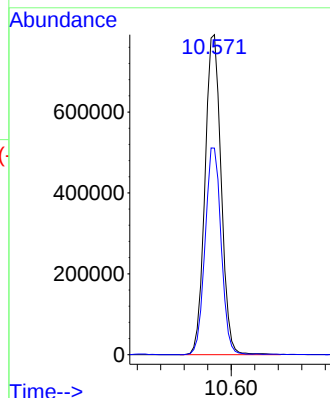
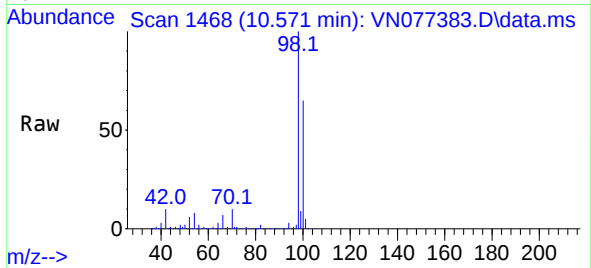




#50
Toluene-d8
Concen: 48.170 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

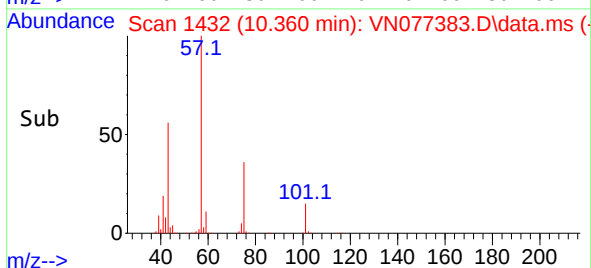
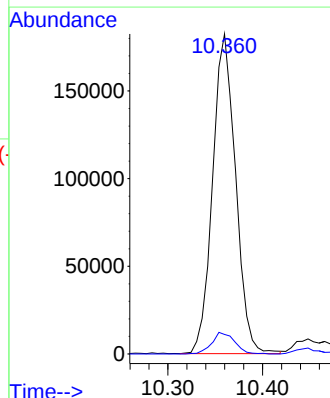
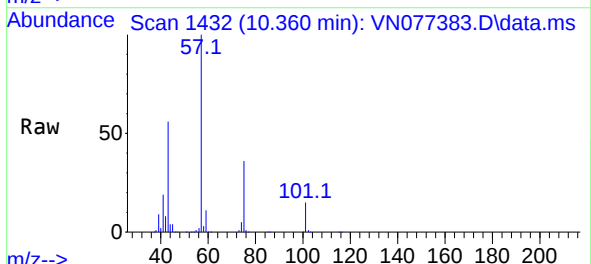
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#11

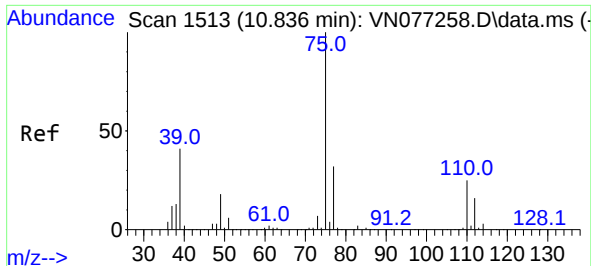
Tgt Ion: 98 Resp: 1508676
Ion Ratio Lower Upper
98 100
100 64.1 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 28.036 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. -0.088 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

Tgt Ion: 43 Resp: 307859
Ion Ratio Lower Upper
43 100
58 6.7 34.6 52.0#

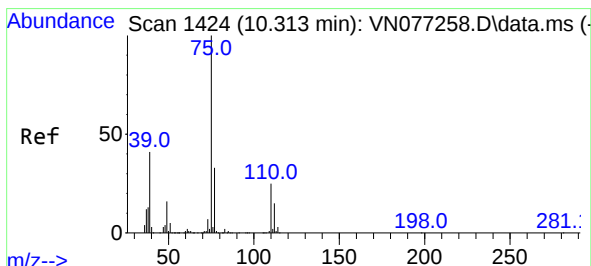
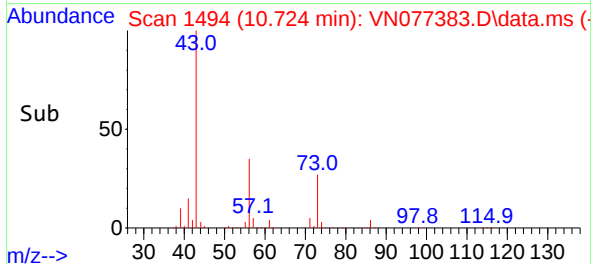
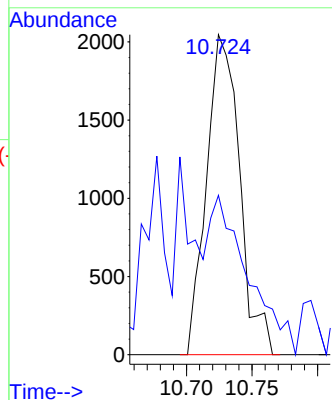
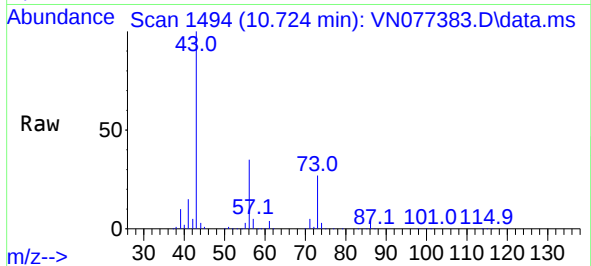




#53
t-1,3-Dichloropropene
Concen: 0.258 ug/l
RT: 10.724 min Scan# 1414
Delta R.T. -0.112 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

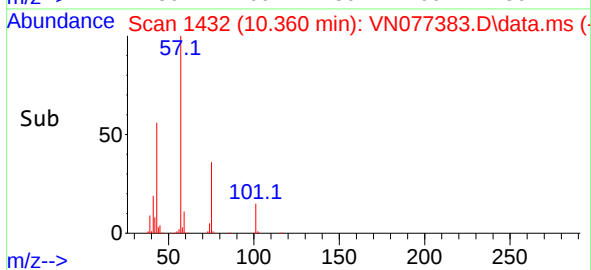
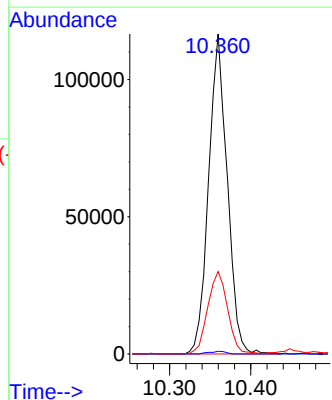
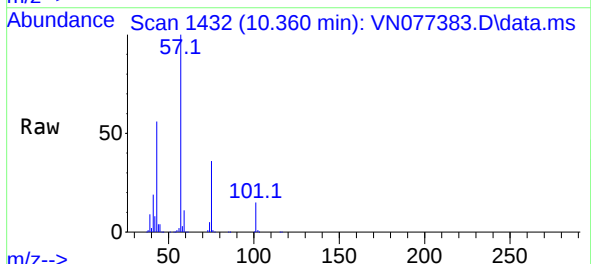
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#11

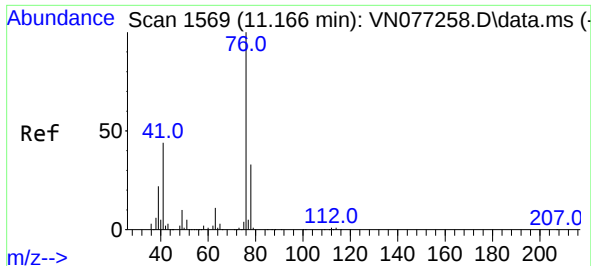
Tgt Ion: 75 Resp: 3600
Ion Ratio Lower Upper
75 100
77 42.0 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 12.501 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

Tgt Ion: 75 Resp: 185613
Ion Ratio Lower Upper
75 100
77 0.8 26.7 40.1#
39 25.8 32.8 49.2#

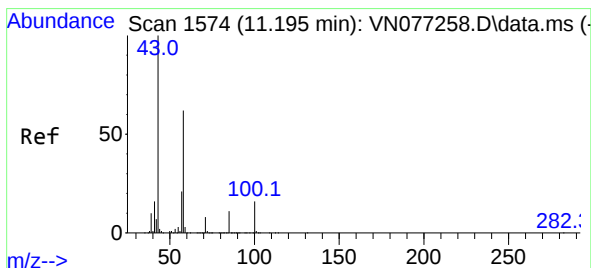
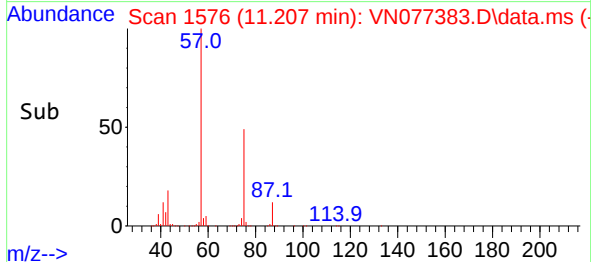
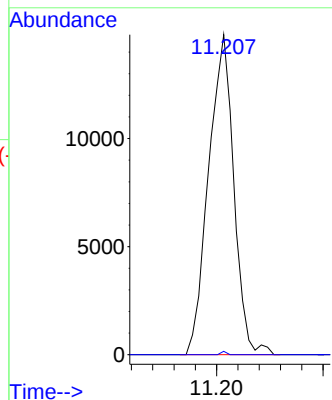
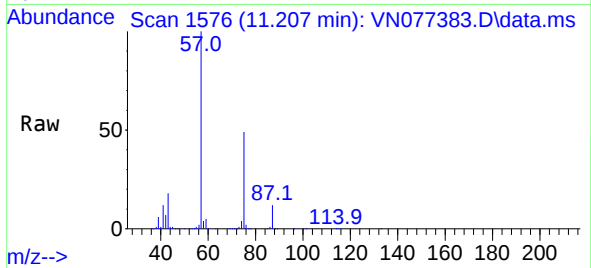




#57
1,3-Dichloropropane
Concen: 1.597 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.041 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

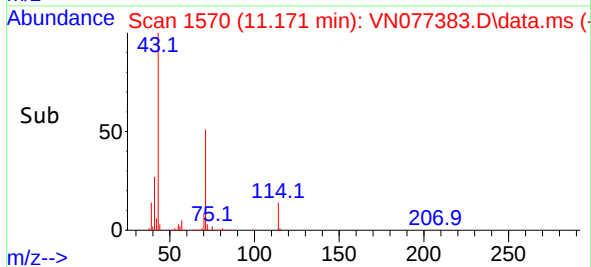
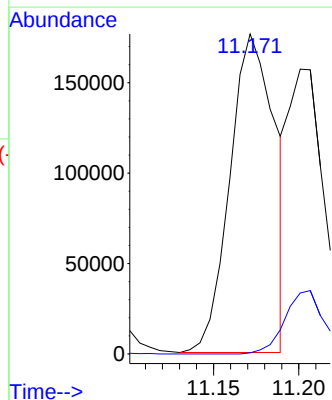
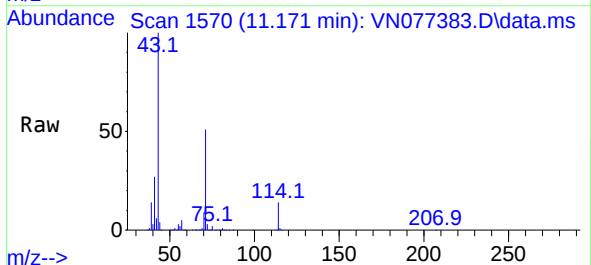
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#11

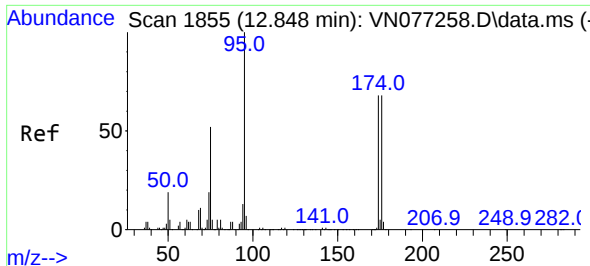
Tgt Ion: 76 Resp: 24331
Ion Ratio Lower Upper
76 100
78 0.2 26.2 39.4#



#59
2-Hexanone
Concen: 39.471 ug/l
RT: 11.171 min Scan# 1570
Delta R.T. -0.024 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

Tgt Ion: 43 Resp: 322894
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#

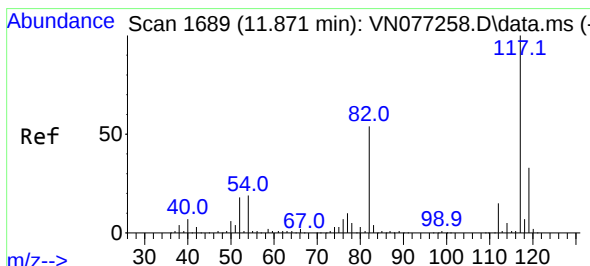
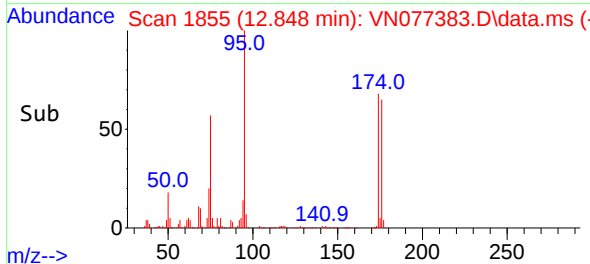
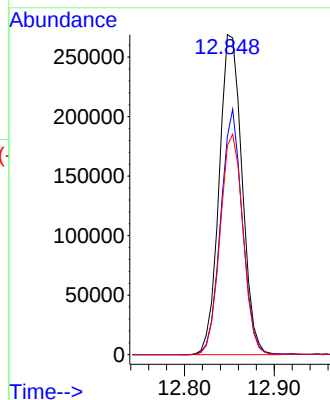
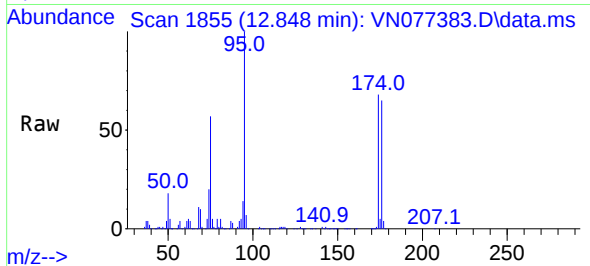




#62
4-Bromofluorobenzene
Concen: 45.801 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

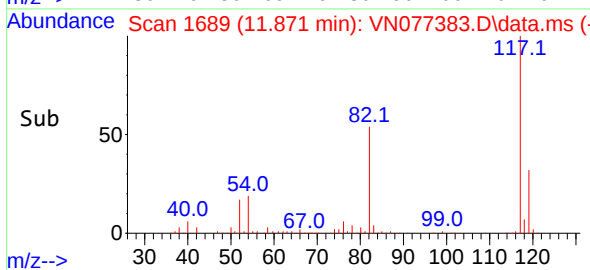
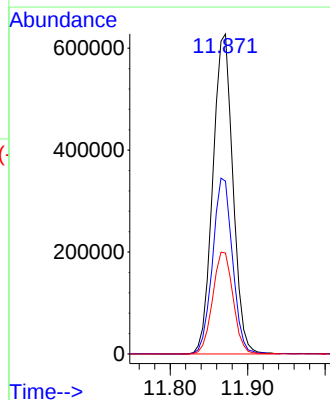
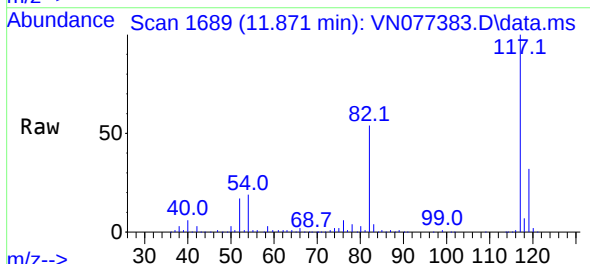
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#11

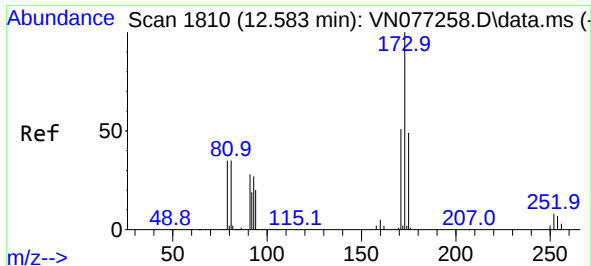
Tgt Ion: 95 Resp: 477090
Ion Ratio Lower Upper
95 100
174 72.6 0.0 146.8
176 68.6 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

Tgt Ion: 117 Resp: 1134337
Ion Ratio Lower Upper
117 100
82 54.0 42.9 64.3
119 31.6 26.2 39.4

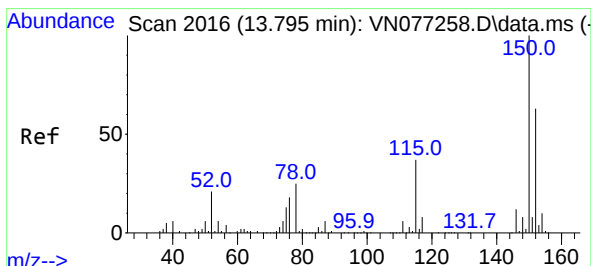
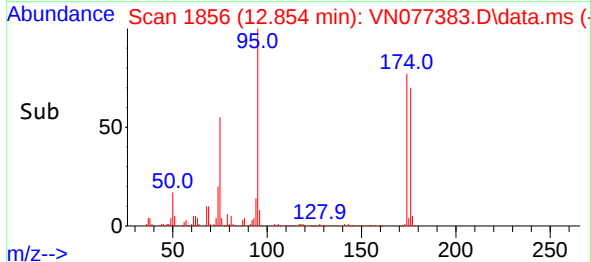
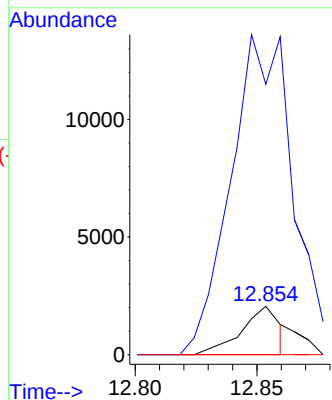
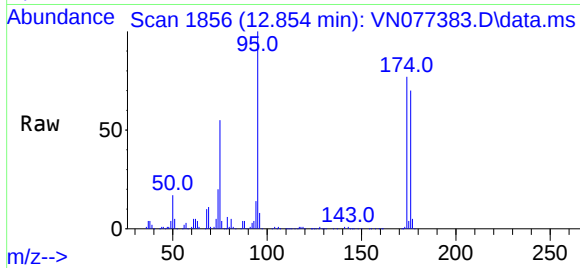




#71
Bromoform
Concen: 0.336 ug/l
RT: 12.854 min Scan# 1810
Delta R.T. 0.271 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

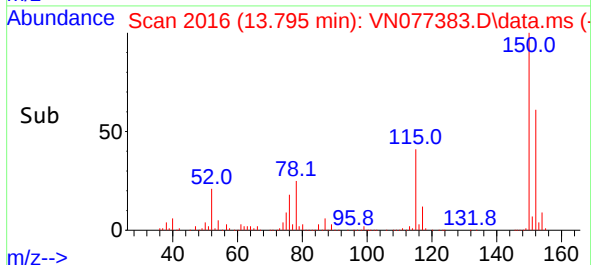
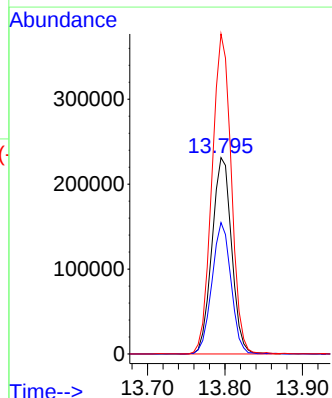
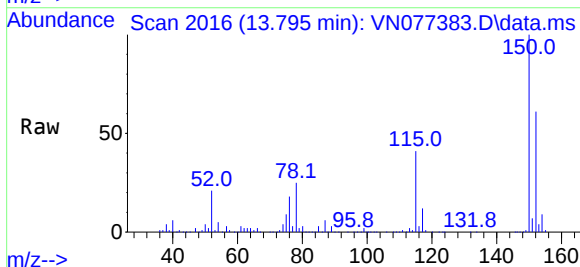
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#11

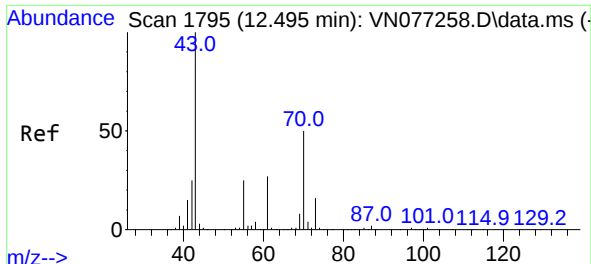
Tgt Ion:173 Resp: 2238
Ion Ratio Lower Upper
173 100
175 676.9 24.1 72.4#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

Tgt Ion:152 Resp: 407814
Ion Ratio Lower Upper
152 100
115 64.8 32.1 96.3
150 160.4 0.0 354.8

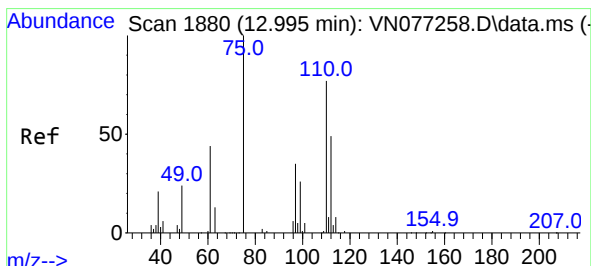
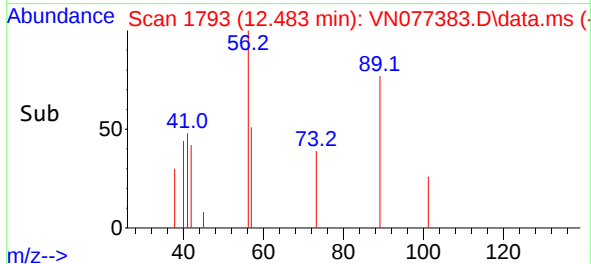
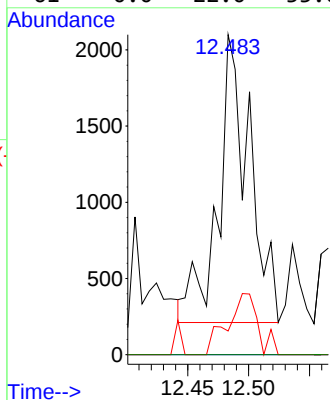
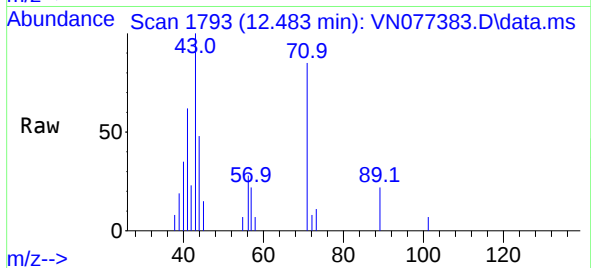




#74
N-amy1 acetate
Concen: 0.224 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

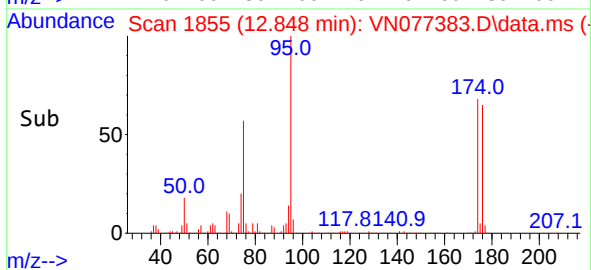
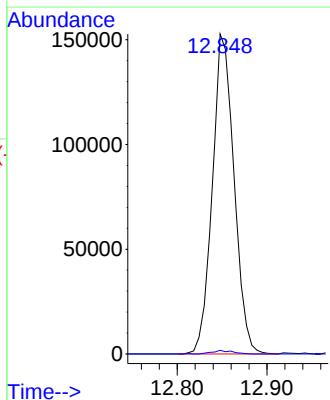
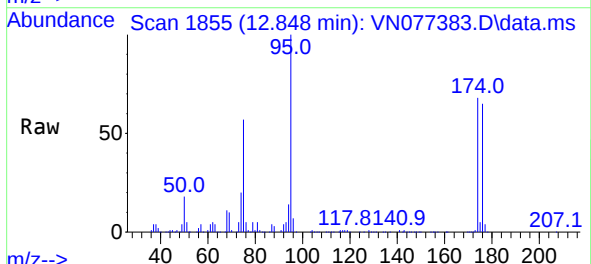
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#11

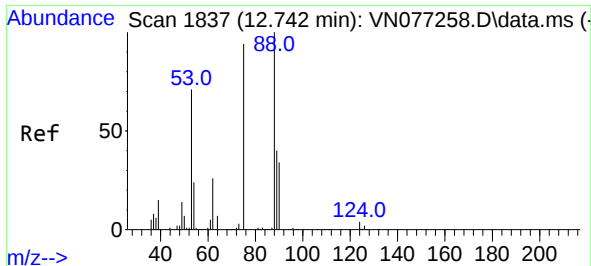
Tgt Ion: 43	Resp:	3361
Ion	Ratio	Lower Upper
43	100	
70	0.0	41.0 61.6#
55	20.9	19.3 28.9
61	0.0	22.0 33.0#



#76
1,2,3-Trichloropropane
Concen: 26.369 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN077383.D
Acq: 19 Apr 2023 18:22

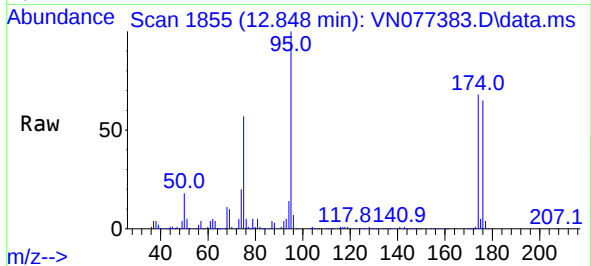
Tgt Ion: 75	Resp:	256069
Ion	Ratio	Lower Upper
75	100	
77	1.1	88.3 264.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.338 ug/l
 RT: 12.848 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN077383.D
 Acq: 19 Apr 2023 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152199ZHE#11



Tgt Ion: 75 Resp: 256069
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.8 109.2#
 89 0.0 37.4 56.2#

