

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041923\
 Data File : VN077384.D
 Acq On : 19 Apr 2023 18:47
 Operator : JC\MD
 Sample : PB152199ZHE#12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152199ZHE#12

Quant Time: Apr 20 04:27:52 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)

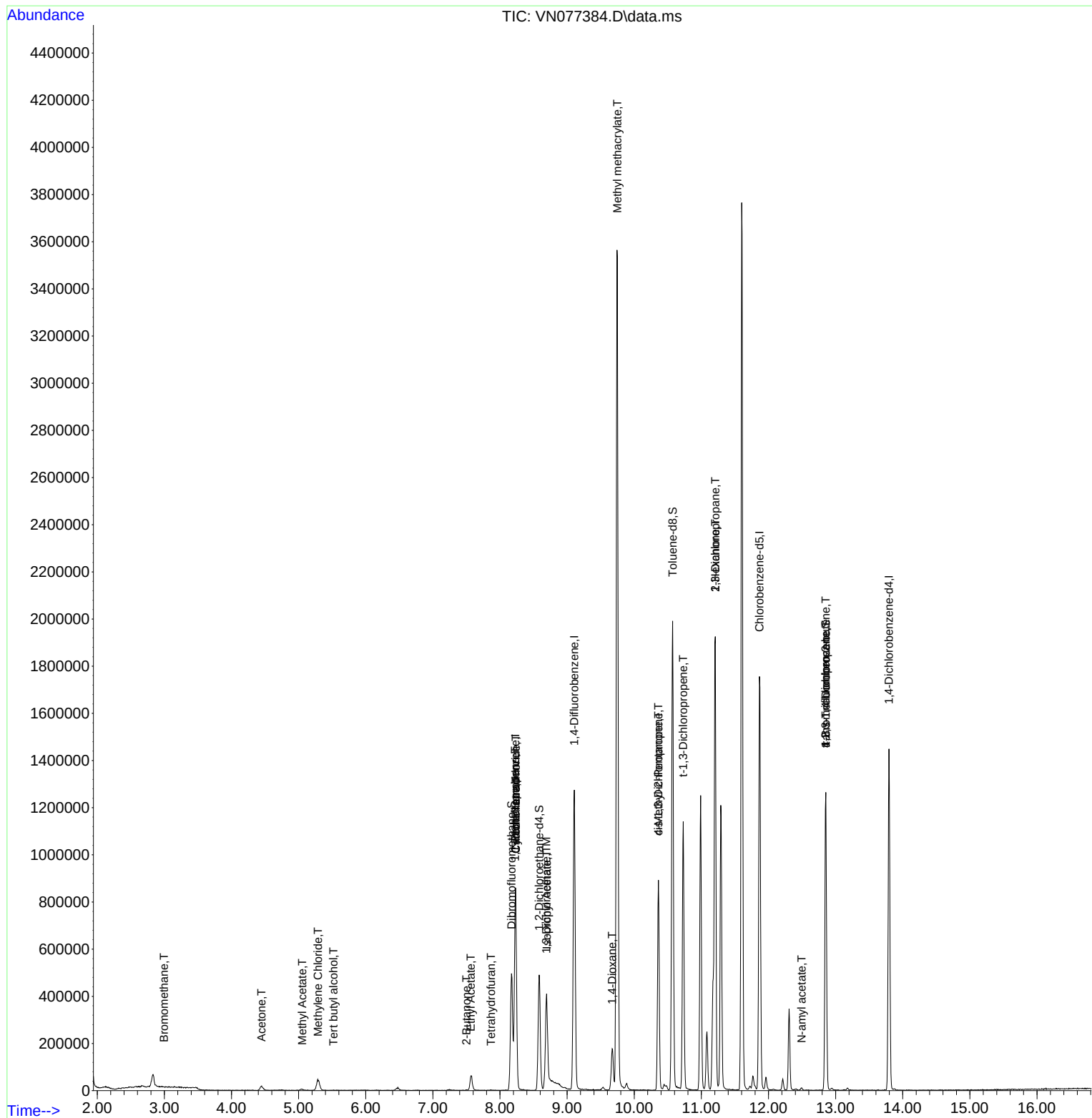
Internal Standards						
1) Pentafluorobenzene	8.230	168	612102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1168862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1082512	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	395558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	387387	46.306	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.620%		
35) Dibromofluoromethane	8.172	113	348638	46.593	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.180%		
50) Toluene-d8	10.571	98	1420356	47.152	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.300%		
62) 4-Bromofluorobenzene	12.854	95	445131	44.431	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.860%		
Target Compounds						Qvalue
5) Bromomethane	2.995	94	2001	0.210	ug/l #	53
11) Tert butyl alcohol	5.519	59	419	0.245	ug/l #	61
16) Acetone	4.448	43	32333	10.482	ug/l	98
18) Methyl Acetate	5.054	43	9024	0.768	ug/l #	83
20) Methylene Chloride	5.289	84	38530	4.423	ug/l	95
25) 2-Butanone	7.501	43	2966	0.592	ug/l #	74
29) Tetrahydrofuran	7.866	42	825	0.256	ug/l #	57
31) Cyclohexane	8.236	56	14633	1.126	ug/l #	45
36) 1,1-Dichloropropene	8.225	75	53443	4.829	ug/l #	50
37) Ethyl Acetate	7.566	43	88092	8.897	ug/l #	94
38) Carbon Tetrachloride	8.236	117	68600	6.050	ug/l #	16
42) 1,2-Dichloroethane	8.689	62	3779	0.356	ug/l #	73
43) Isopropyl Acetate	8.695	43	488263	26.723	ug/l #	85
48) Methyl methacrylate	9.748	41	311368	39.949	ug/l #	33
49) 1,4-Dioxane	9.672	88	164	0.868	ug/l #	1
51) 4-Methyl-2-Pentanone	10.360	43	307666	29.132	ug/l #	44
53) t-1,3-Dichloropropene	10.730	75	3665	0.273	ug/l #	71
54) cis-1,3-Dichloropropene	10.360	75	184955	12.952	ug/l #	63
57) 1,3-Dichloropropane	11.207	76	23700	1.617	ug/l #	42
59) 2-Hexanone	11.207	43	232632	29.567	ug/l #	49
74) N-amyl acetate	12.495	43	3221	0.221	ug/l #	41
76) 1,2,3-Trichloropropane	12.854	75	240712	25.555	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	240712	57.508	ug/l #	13

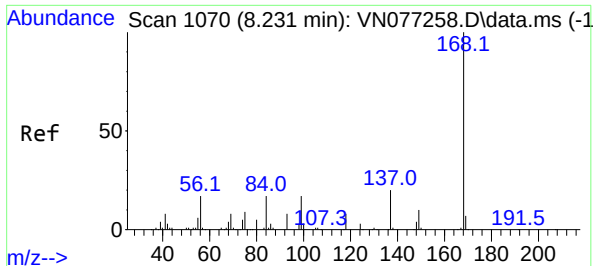
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 20 04:27:52 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

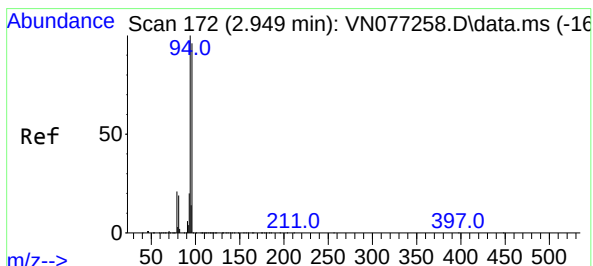
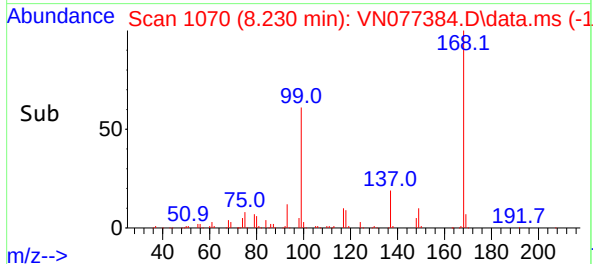
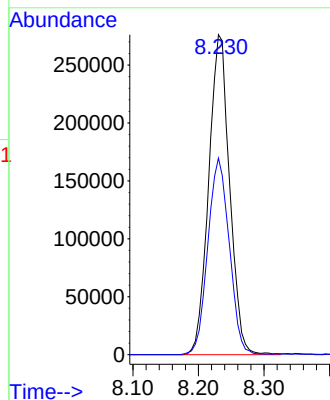
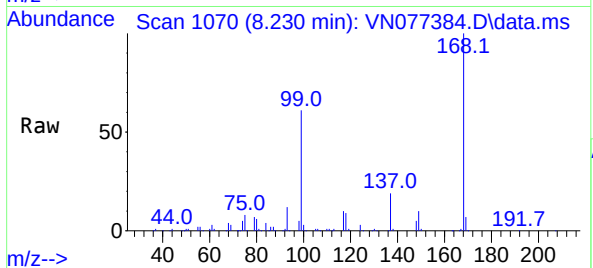




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

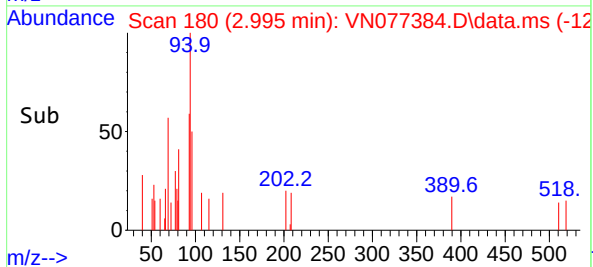
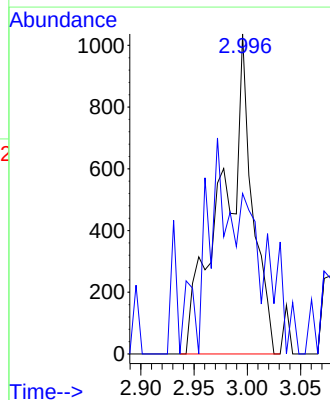
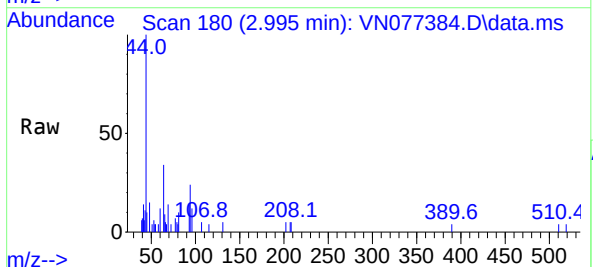
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#12

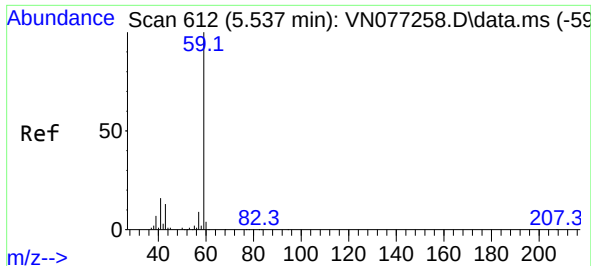
Tgt Ion:168 Resp: 612102
Ion Ratio Lower Upper
168 100
99 61.4 50.6 75.8



#5
Bromomethane
Concen: 0.210 ug/l
RT: 2.995 min Scan# 180
Delta R.T. 0.046 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

Tgt Ion: 94 Resp: 2001
Ion Ratio Lower Upper
94 100
96 50.1 77.0 115.4#

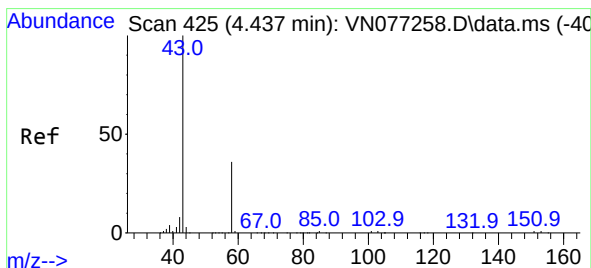
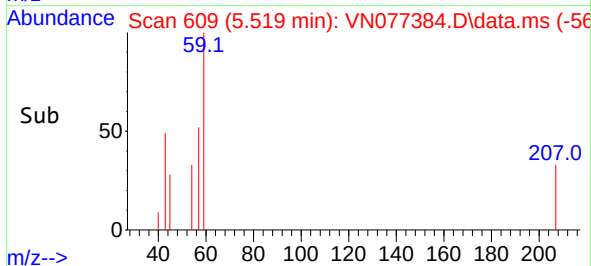
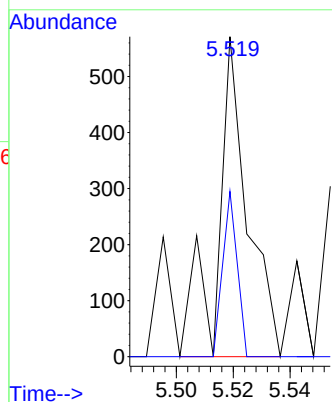
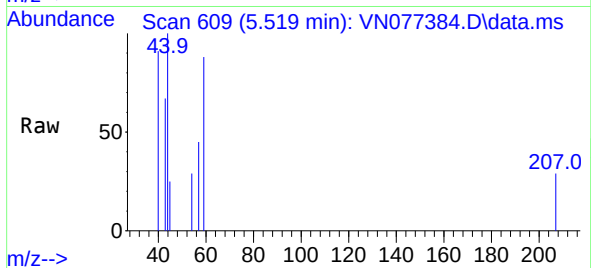




#11
Tert butyl alcohol
Concen: 0.245 ug/l
RT: 5.519 min Scan# 609
Delta R.T. -0.018 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

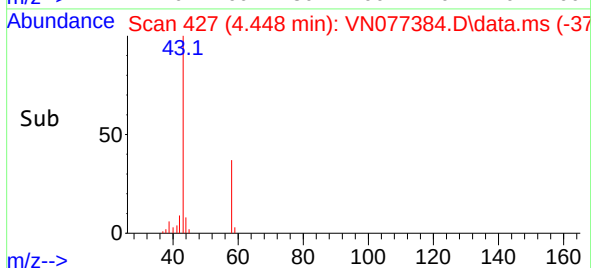
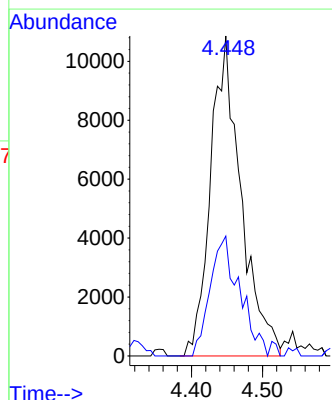
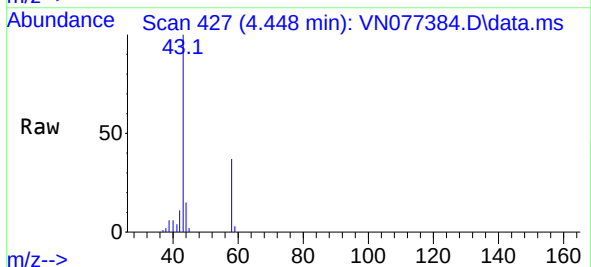
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#12

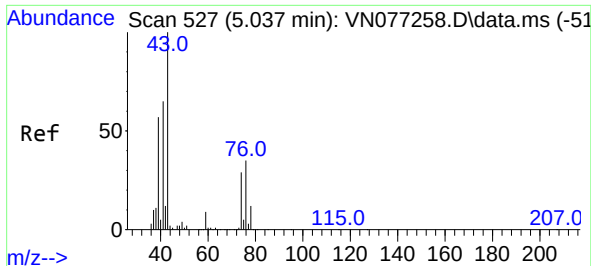
Tgt Ion: 59 Resp: 419
Ion Ratio Lower Upper
59 100
57 24.8 8.3 12.5#



#16
Acetone
Concen: 10.482 ug/l
RT: 4.448 min Scan# 427
Delta R.T. 0.011 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

Tgt Ion: 43 Resp: 32333
Ion Ratio Lower Upper
43 100
58 37.4 29.0 43.6

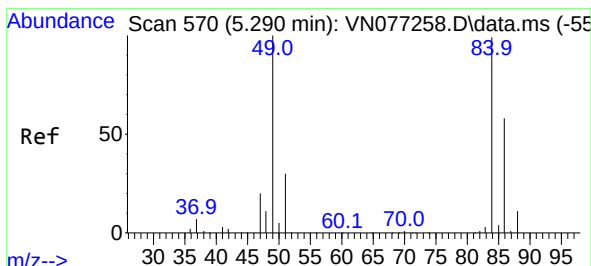
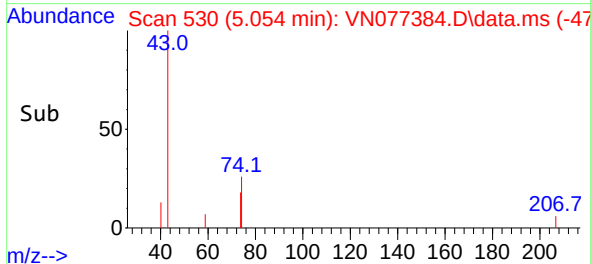
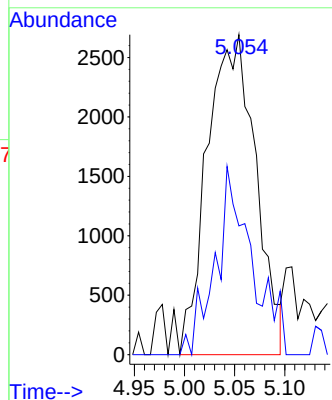
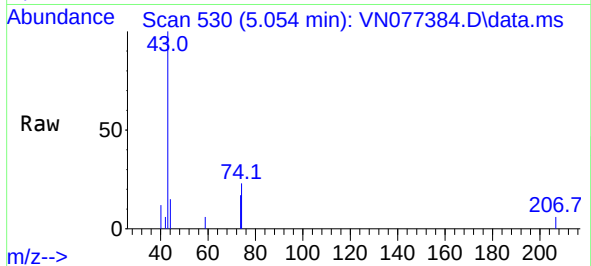




#18
Methyl Acetate
Concen: 0.768 ug/l
RT: 5.054 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

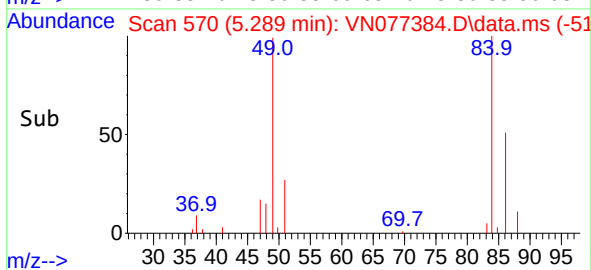
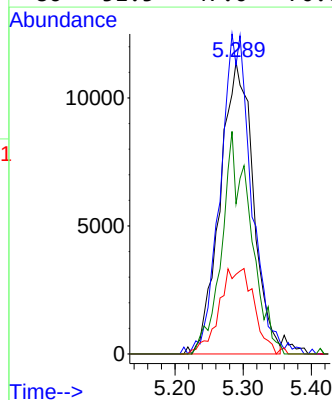
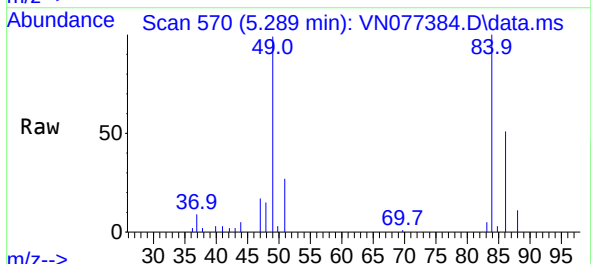
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#12

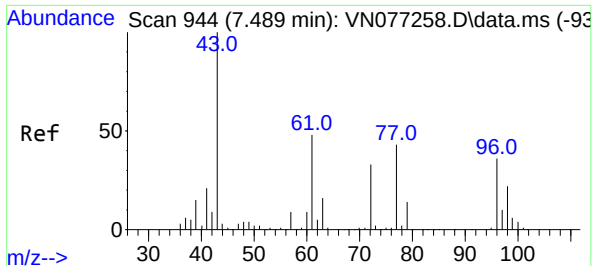
Tgt Ion: 43 Resp: 9024
Ion Ratio Lower Upper
43 100
74 38.4 23.4 35.2#



#20
Methylene Chloride
Concen: 4.423 ug/l
RT: 5.289 min Scan# 570
Delta R.T. -0.001 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

Tgt Ion: 84 Resp: 38530
Ion Ratio Lower Upper
84 100
49 99.0 80.6 121.0
51 27.3 24.4 36.6
86 51.5 47.0 70.6





#25

2-Butanone

Concen: 0.592 ug/l

RT: 7.501 min Scan# 94

Delta R.T. 0.012 min

Lab File: VN077384.D

Acq: 19 Apr 2023 18:47

Instrument :

MSVOA_N

ClientSampleId :

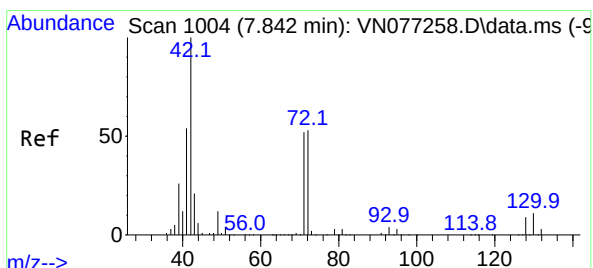
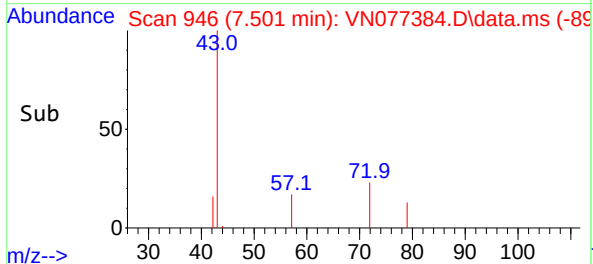
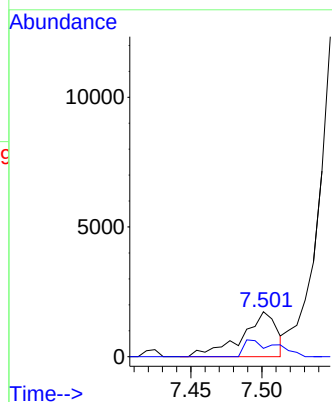
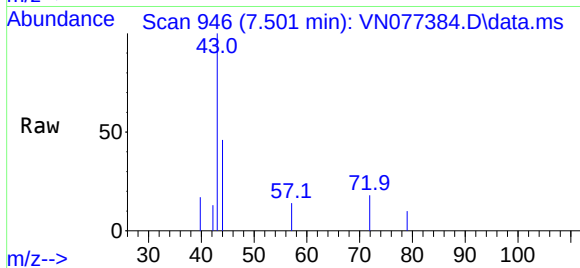
PB152199ZHE#12

Tgt Ion: 43 Resp: 2966

Ion Ratio Lower Upper

43 100

72 18.4 26.6 39.8#



#29

Tetrahydrofuran

Concen: 0.256 ug/l

RT: 7.866 min Scan# 1008

Delta R.T. 0.024 min

Lab File: VN077384.D

Acq: 19 Apr 2023 18:47

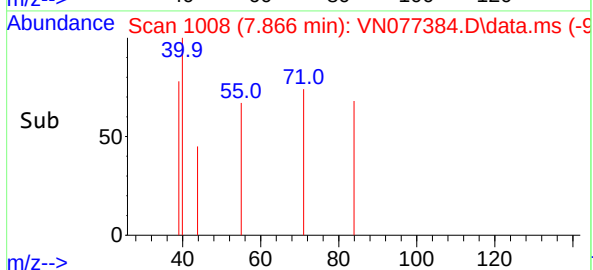
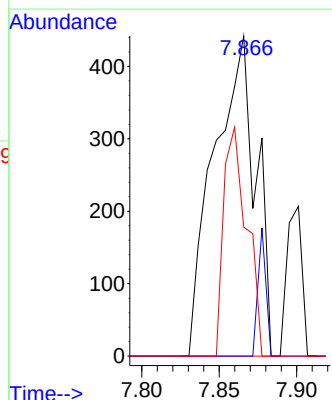
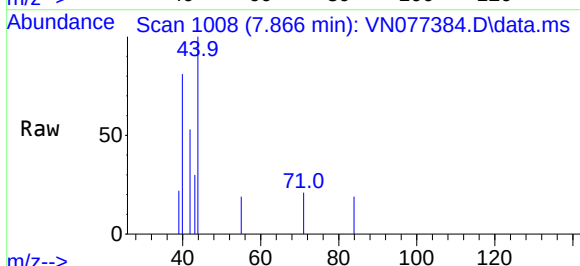
Tgt Ion: 42 Resp: 825

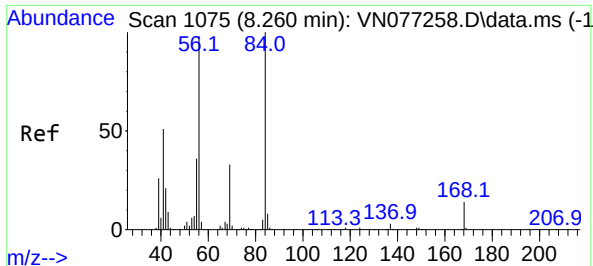
Ion Ratio Lower Upper

42 100

72 7.5 44.6 66.8#

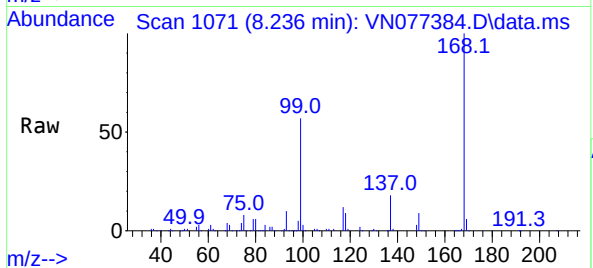
71 39.6 41.3 61.9#



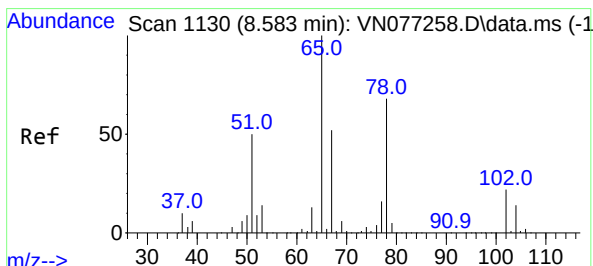
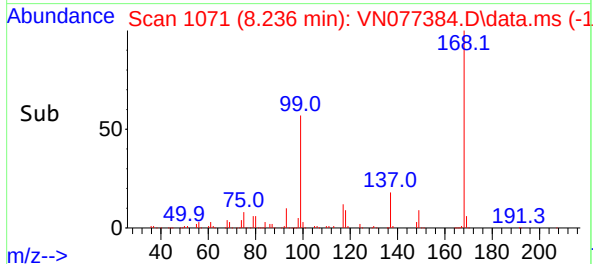
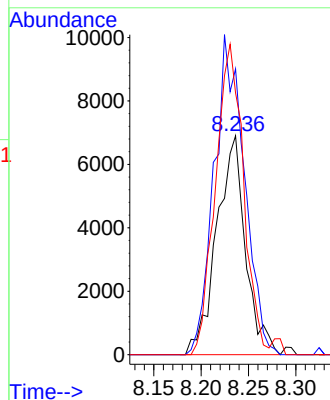


#31
Cyclohexane
Concen: 1.126 ug/l
RT: 8.236 min Scan# 1075
Delta R.T. -0.024 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#12

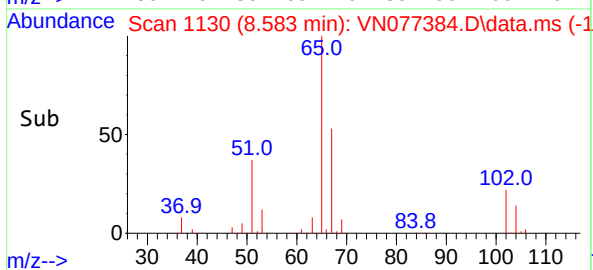
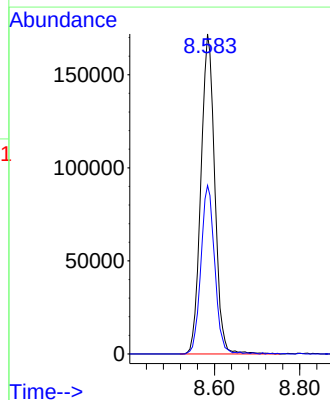
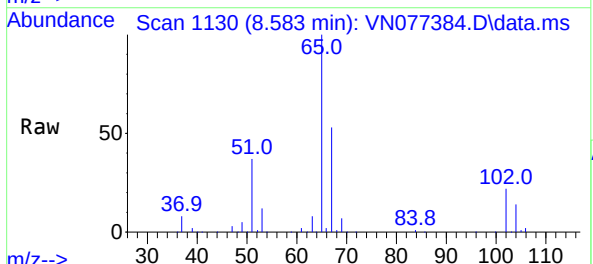


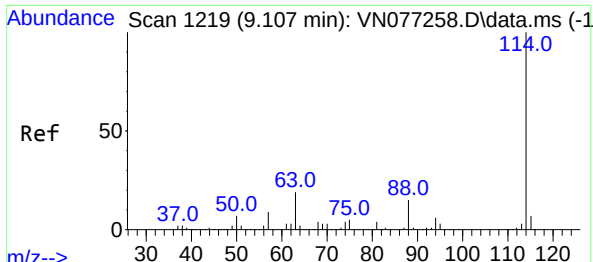
Tgt Ion: 56 Resp: 14633
Ion Ratio Lower Upper
56 100
69 130.6 26.6 40.0#
84 119.6 81.8 122.8



#33
1,2-Dichloroethane-d4
Concen: 46.306 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

Tgt Ion: 65 Resp: 387387
Ion Ratio Lower Upper
65 100
67 52.3 0.0 108.8

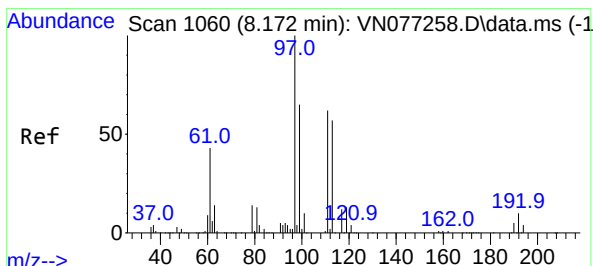
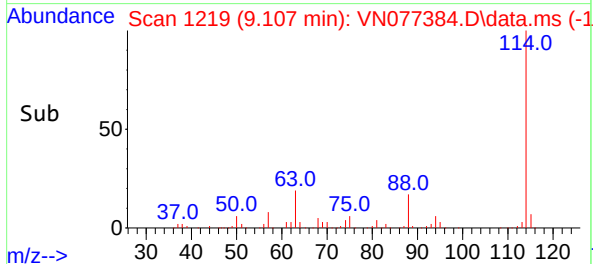
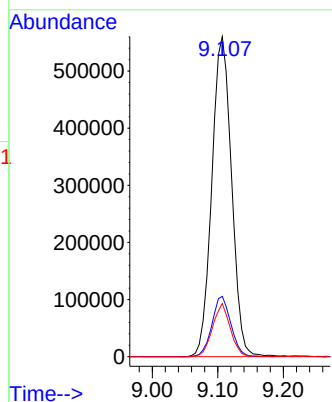
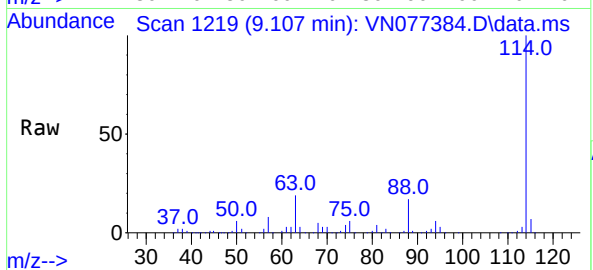




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

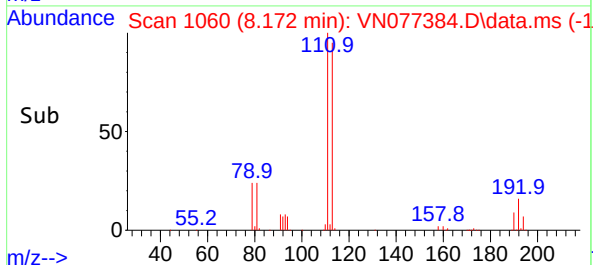
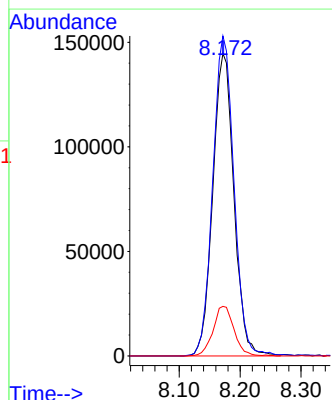
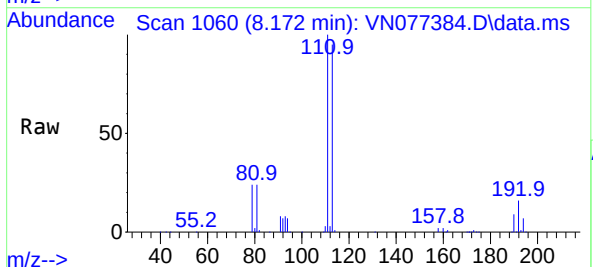
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MSVOA_N
ClientSampleId :
PB152199ZHE#12

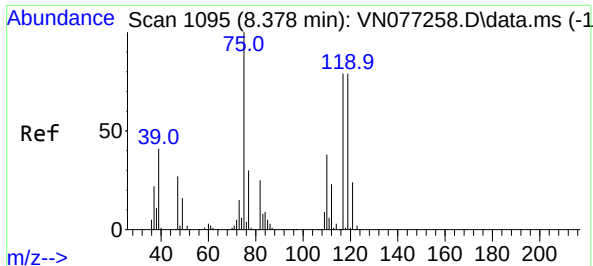
Tgt Ion:114 Resp: 1168862
Ion Ratio Lower Upper
114 100
63 18.9 0.0 37.8
88 16.6 0.0 29.4



#35
Dibromofluoromethane
Concen: 46.593 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

Tgt Ion:113 Resp: 348638
Ion Ratio Lower Upper
113 100
111 106.3 83.4 125.0
192 16.2 13.5 20.3

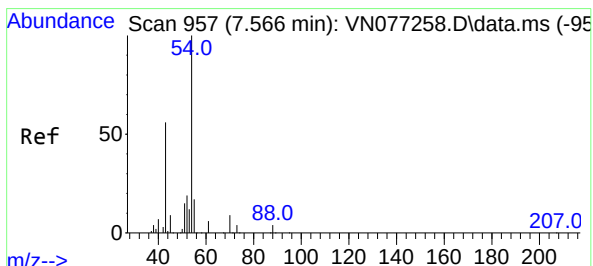
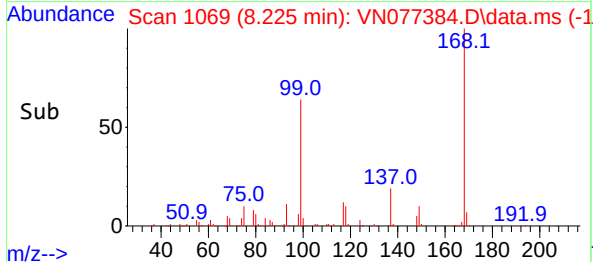
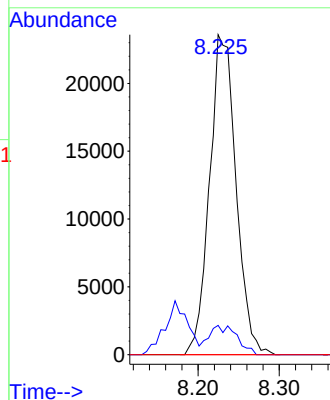
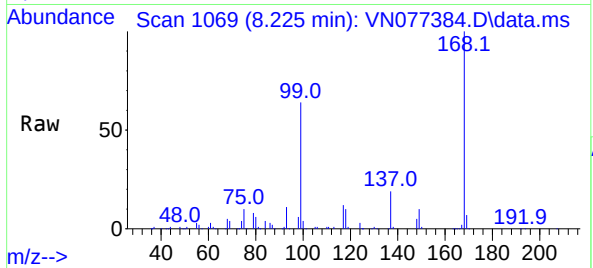




#36
1,1-Dichloropropene
Concen: 4.829 ug/l
RT: 8.225 min Scan# 1095
Delta R.T. -0.153 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

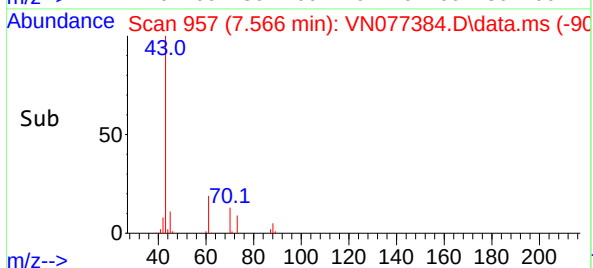
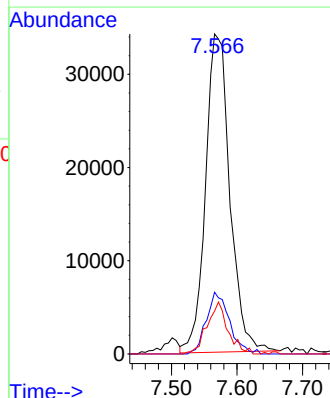
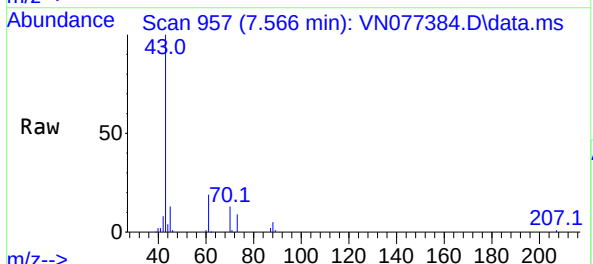
Instrument :
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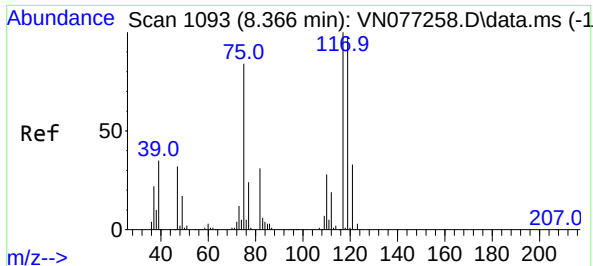
Tgt Ion: 75 Resp: 53443
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 8.897 ug/l
RT: 7.566 min Scan# 957
Delta R.T. -0.000 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

Tgt Ion: 43 Resp: 88092
Ion Ratio Lower Upper
43 100
61 18.4 12.2 18.2#
70 14.0 10.0 15.0

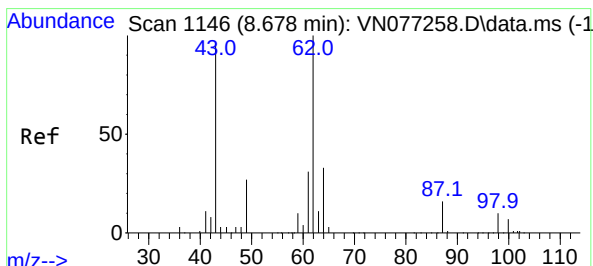
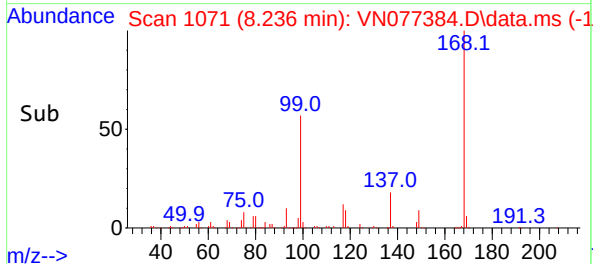
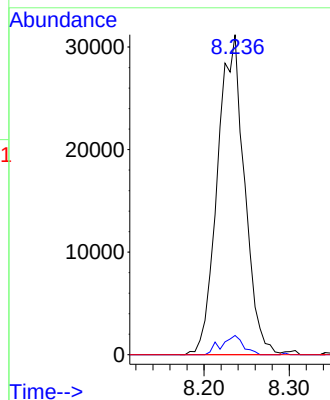
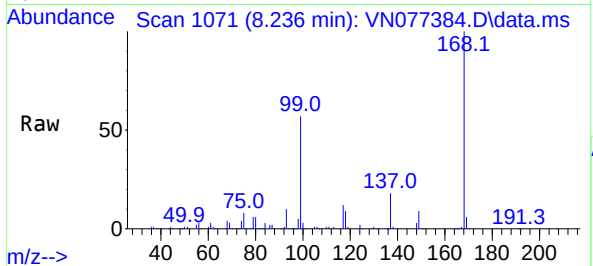




#38
Carbon Tetrachloride
Concen: 6.050 ug/l
RT: 8.236 min Scan# 1093
Delta R.T. -0.130 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

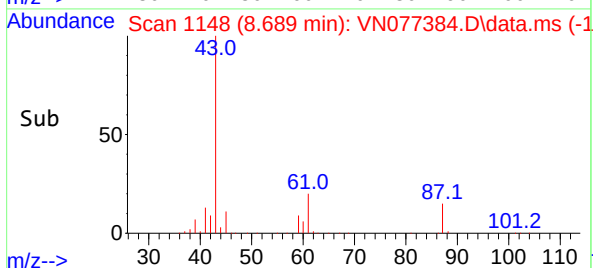
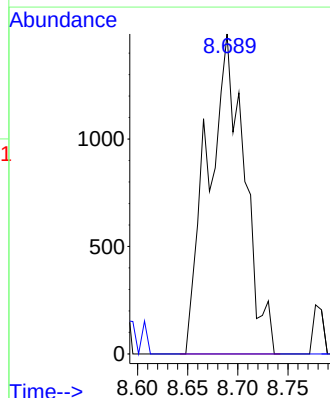
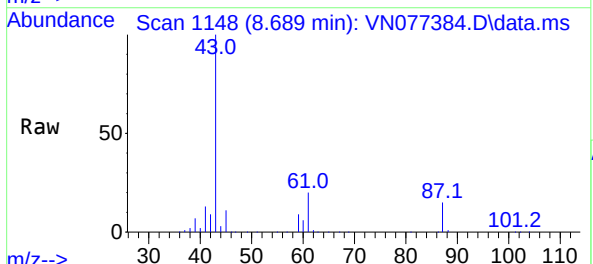
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#12

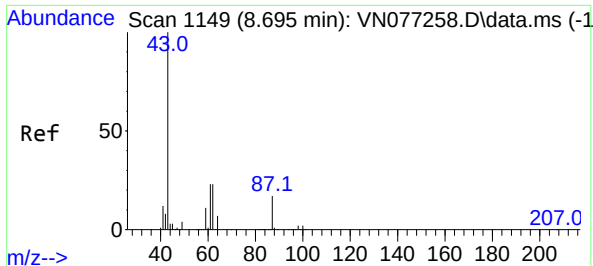
Tgt Ion:117 Resp: 68600
Ion Ratio Lower Upper
117 100
119 6.0 78.5 117.7#
121 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.356 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. 0.011 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

Tgt Ion: 62 Resp: 3779
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

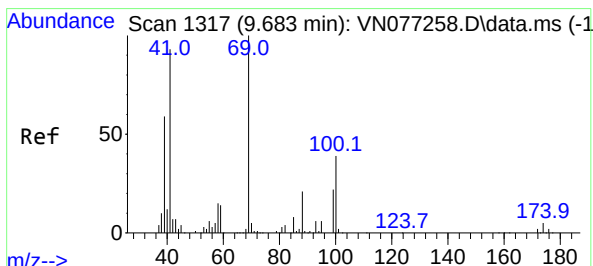
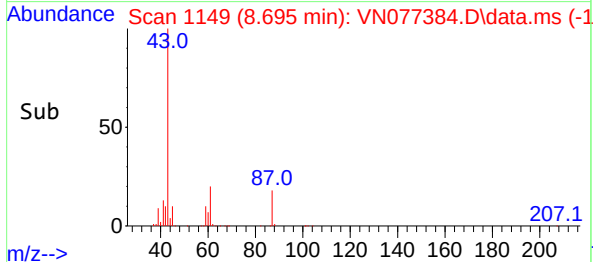
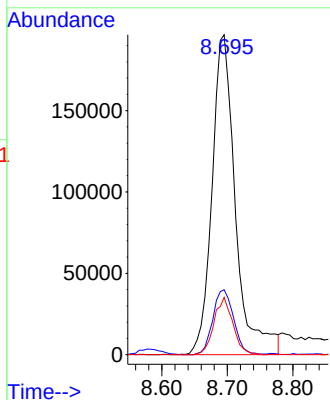
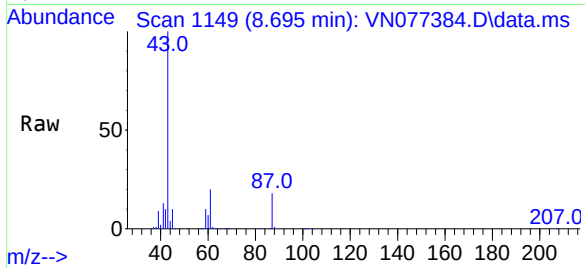




#43
Isopropyl Acetate
Concen: 26.723 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

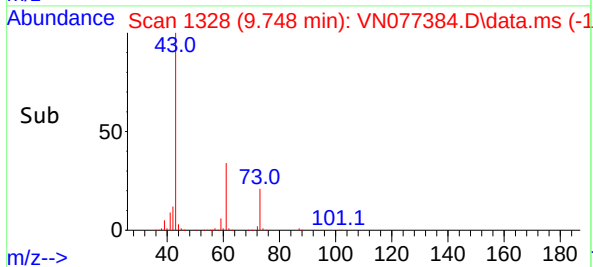
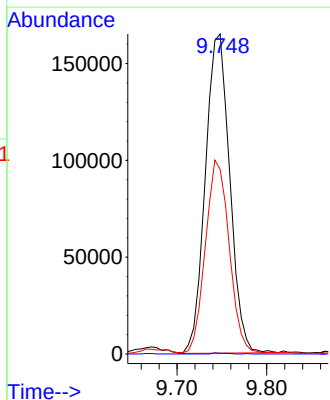
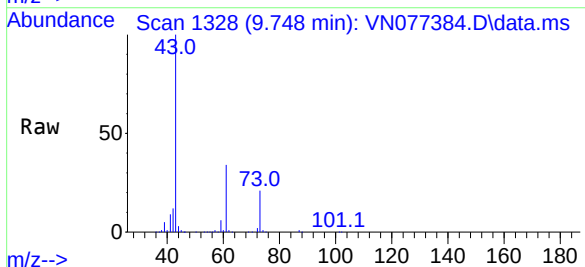
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#12

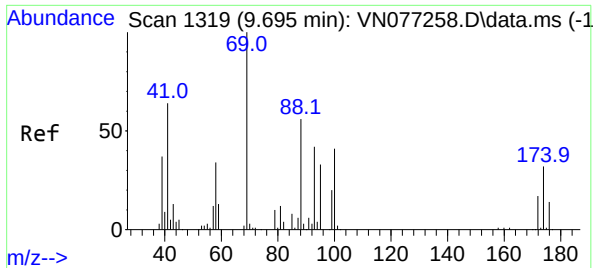
Tgt Ion: 43 Resp: 488263
Ion Ratio Lower Upper
43 100
61 18.0 22.7 34.1#
87 14.4 13.6 20.4



#48
Methyl methacrylate
Concen: 39.949 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.065 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

Tgt Ion: 41 Resp: 311368
Ion Ratio Lower Upper
41 100
69 0.2 85.0 127.6#
39 58.8 53.5 80.3

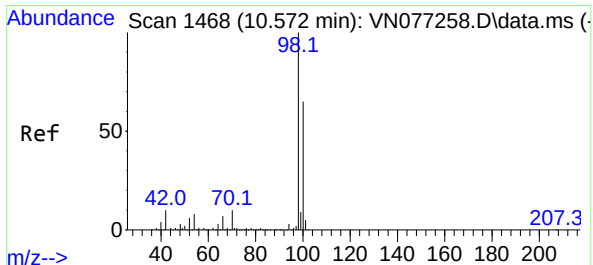
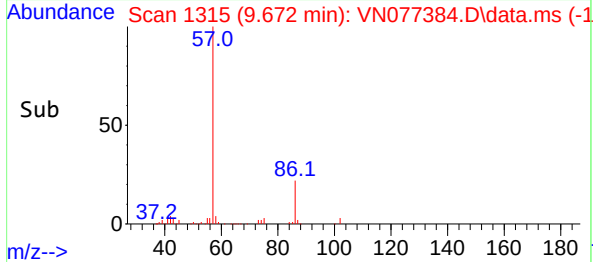
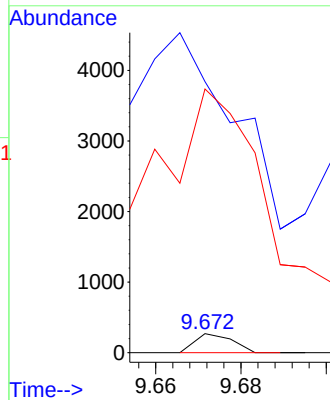
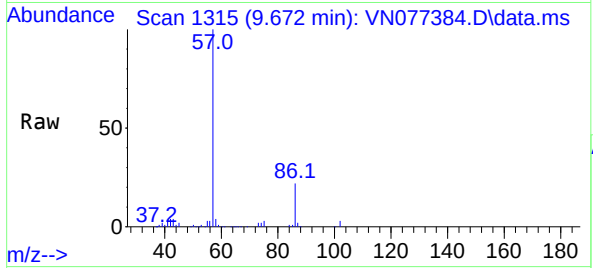




#49
1,4-Dioxane
Concen: 0.868 ug/l
RT: 9.672 min Scan# 1315
Delta R.T. -0.023 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

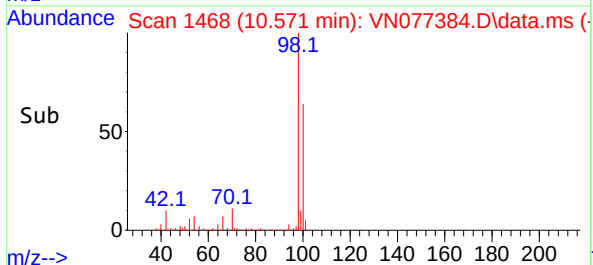
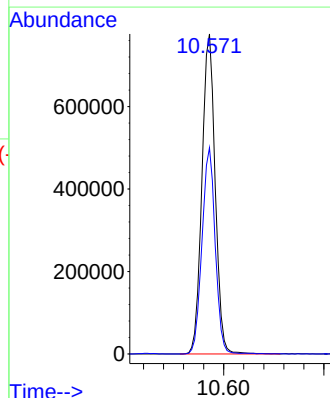
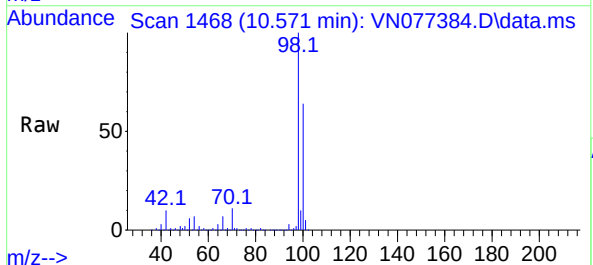
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#12

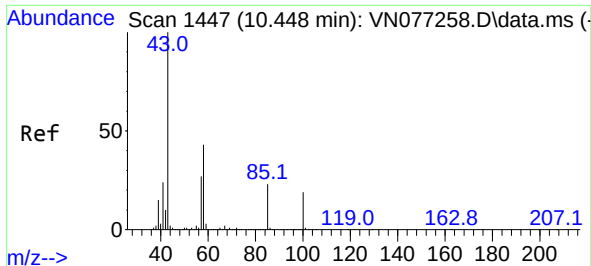
Tgt Ion: 88 Resp: 164
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 5040.9 49.8 74.6#



#50
Toluene-d8
Concen: 47.152 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

Tgt Ion: 98 Resp: 1420356
Ion Ratio Lower Upper
98 100
100 64.4 51.3 76.9

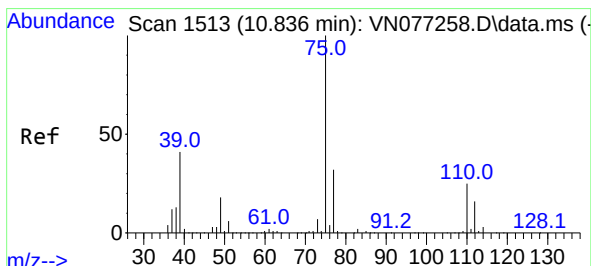
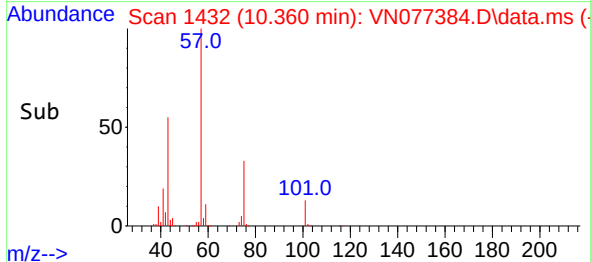
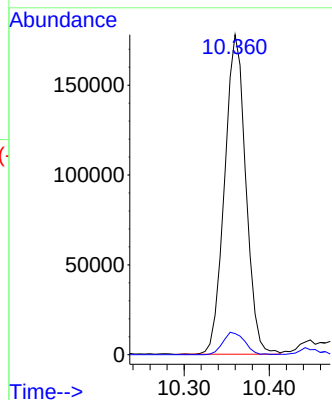
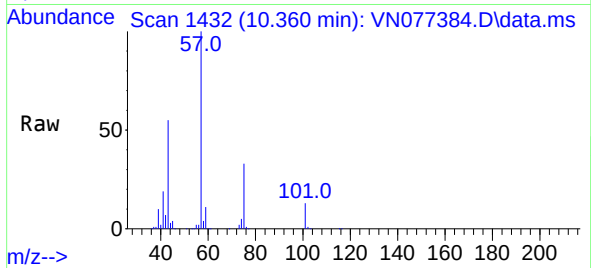




#51
4-Methyl-2-Pentanone
Concen: 29.132 ug/l
RT: 10.360 min Scan# 1447
Delta R.T. -0.088 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

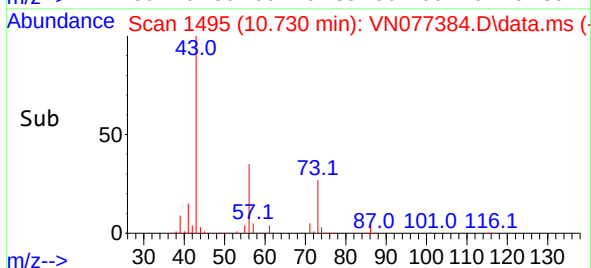
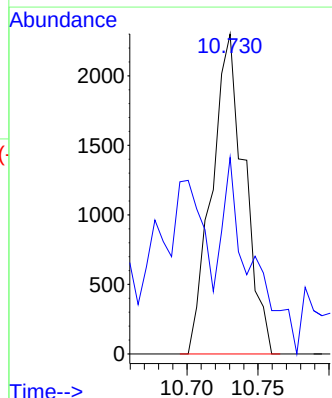
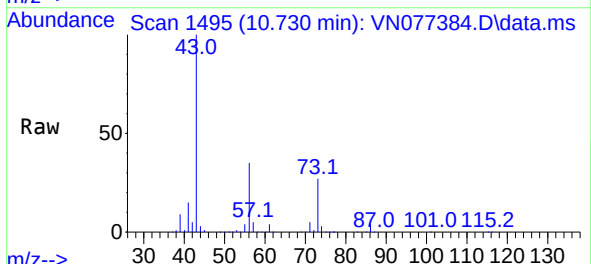
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#12

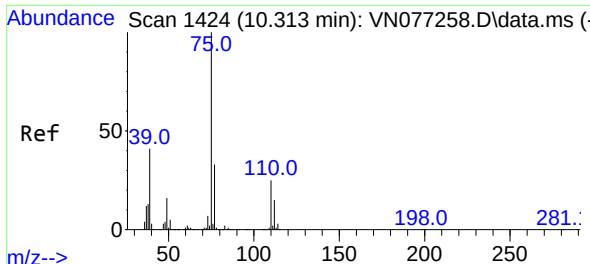
Tgt Ion: 43 Resp: 307666
Ion Ratio Lower Upper
43 100
58 7.2 34.6 52.0#



#53
t-1,3-Dichloropropene
Concen: 0.273 ug/l
RT: 10.730 min Scan# 1495
Delta R.T. -0.106 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

Tgt Ion: 75 Resp: 3665
Ion Ratio Lower Upper
75 100
77 47.8 25.4 38.0#

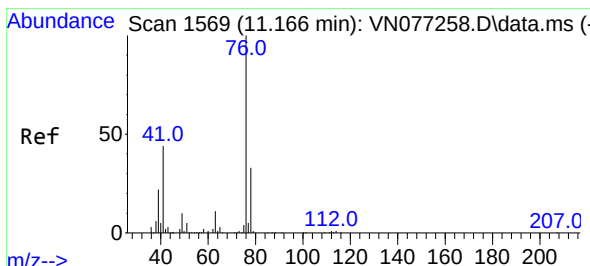
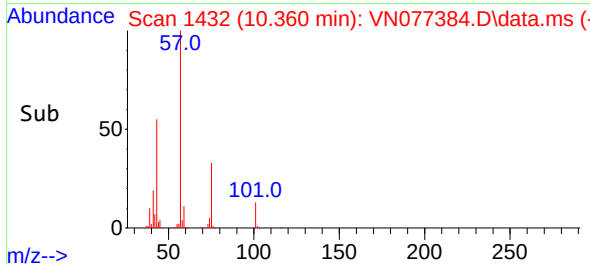
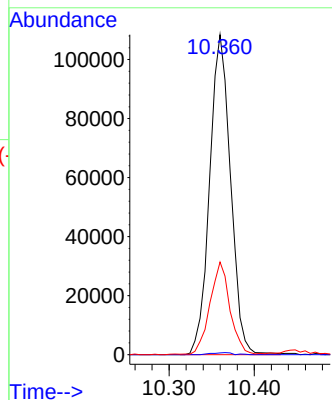
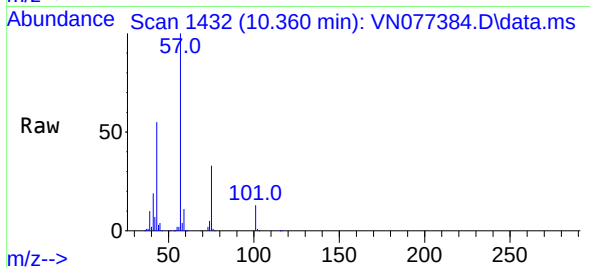




#54
cis-1,3-Dichloropropene
Concen: 12.952 ug/l
RT: 10.360 min Scan# 1424
Delta R.T. 0.047 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

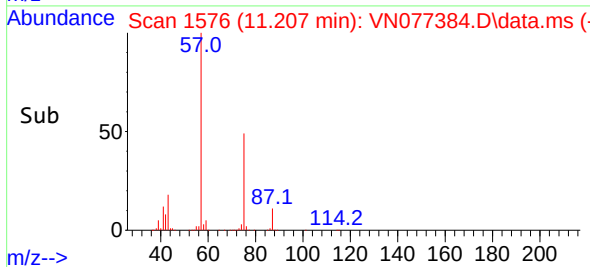
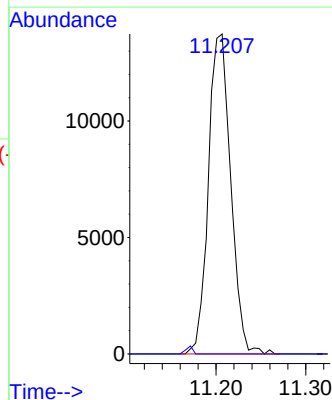
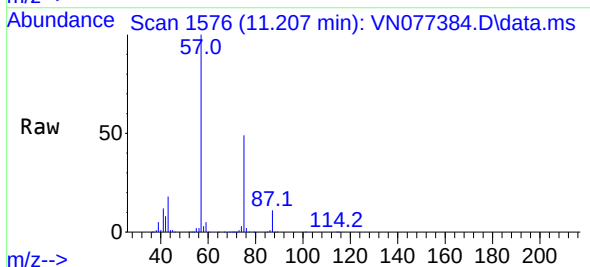
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#12

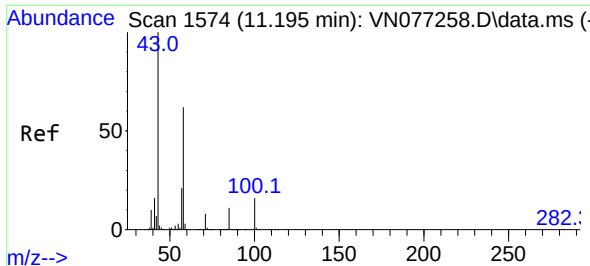
Tgt Ion: 75 Resp: 184955
Ion Ratio Lower Upper
75 100
77 0.5 26.7 40.1#
39 28.8 32.8 49.2#



#57
1,3-Dichloropropane
Concen: 1.617 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.041 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

Tgt Ion: 76 Resp: 23700
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.4#

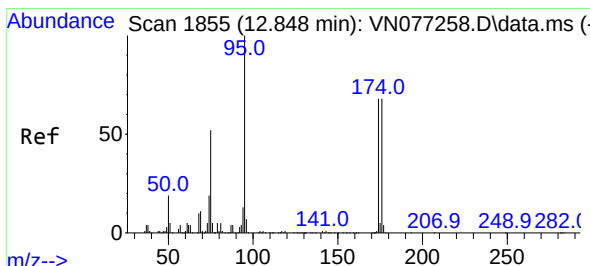
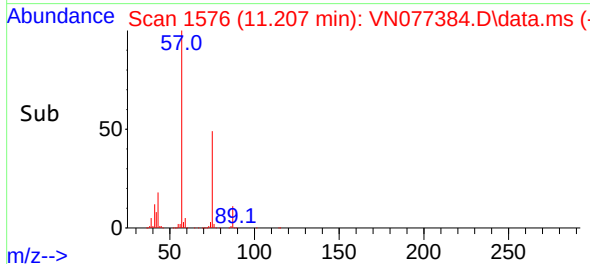
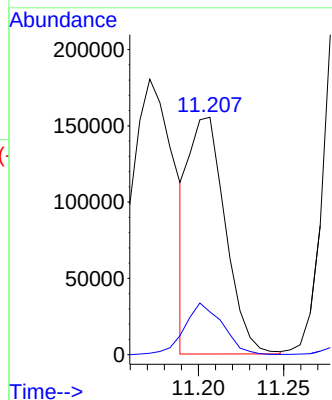
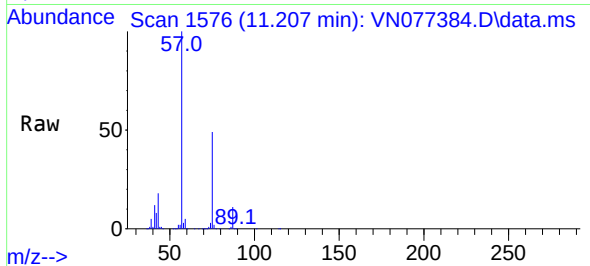




#59
2-Hexanone
Concen: 29.567 ug/l
RT: 11.207 min Scan# 111
Delta R.T. 0.012 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

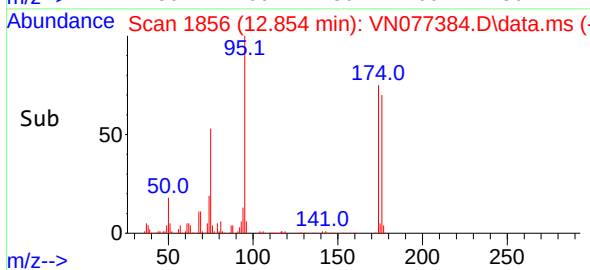
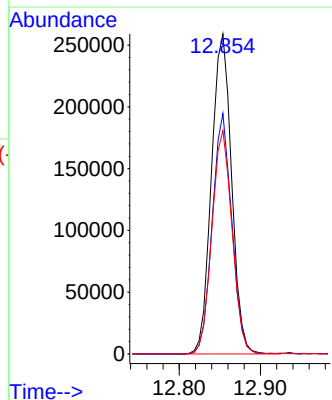
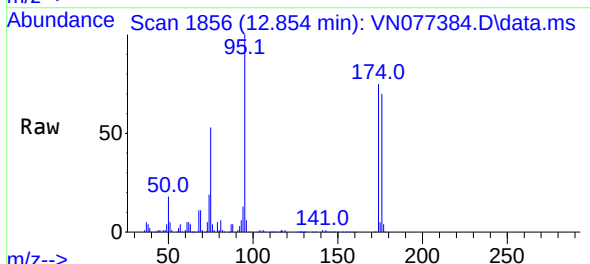
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#12

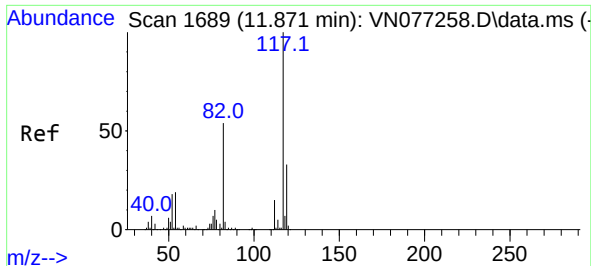
Tgt Ion: 43 Resp: 232632
Ion Ratio Lower Upper
43 100
58 22.9 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 44.431 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

Tgt Ion: 95 Resp: 445131
Ion Ratio Lower Upper
95 100
174 73.1 0.0 146.8
176 70.0 0.0 139.6

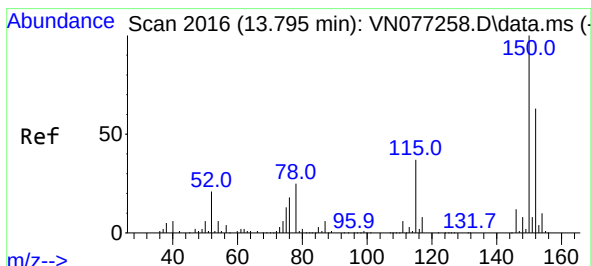
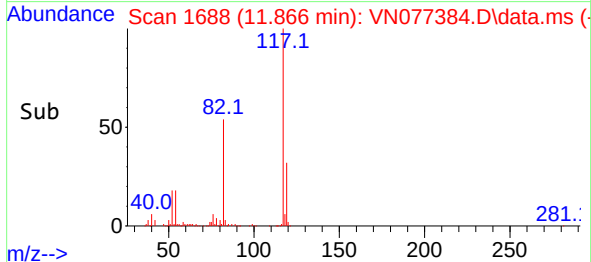
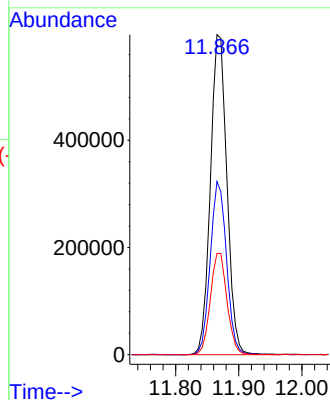
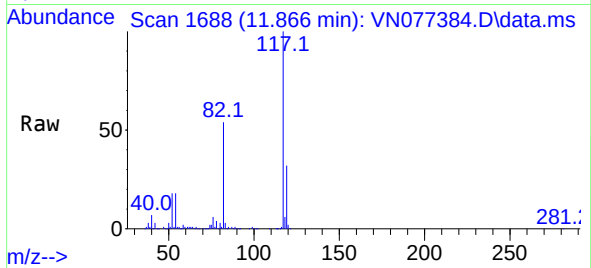




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.005 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

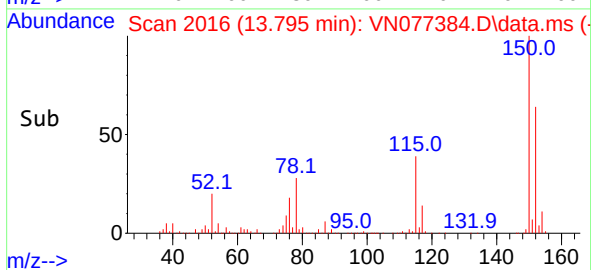
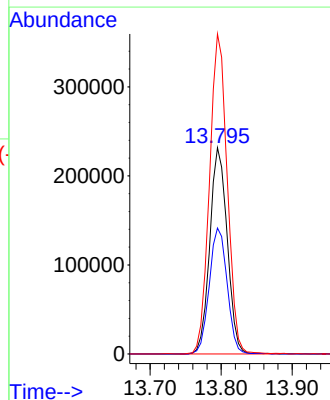
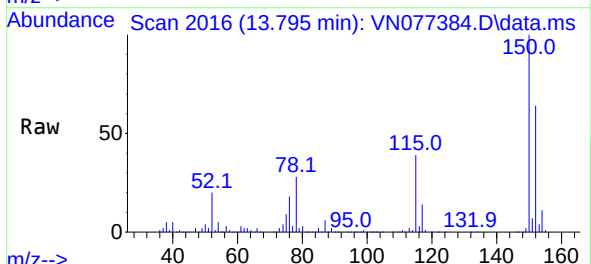
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#12

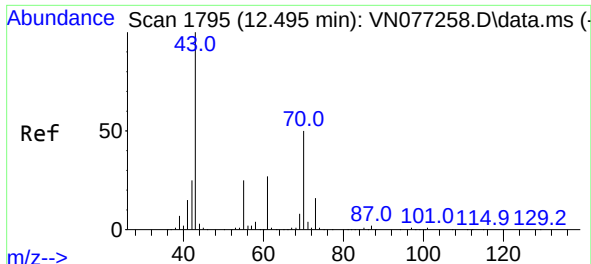
Tgt Ion:117 Resp: 1082512
Ion Ratio Lower Upper
117 100
82 54.1 42.9 64.3
119 31.7 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

Tgt Ion:152 Resp: 395558
Ion Ratio Lower Upper
152 100
115 62.6 32.1 96.3
150 157.3 0.0 354.8

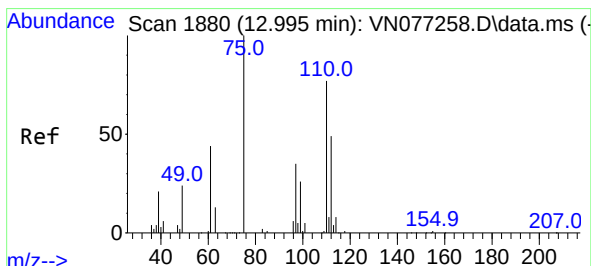
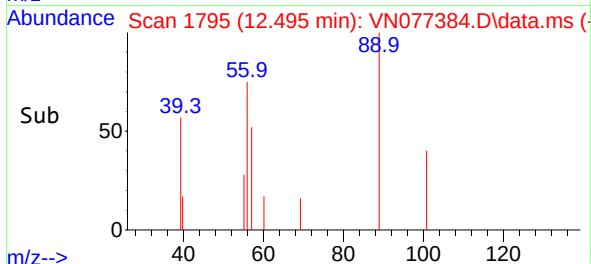
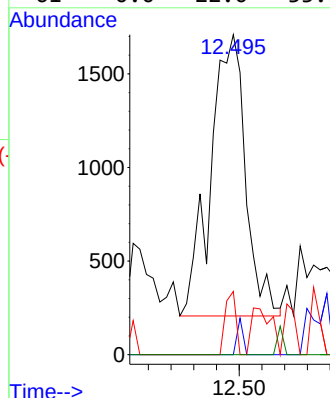
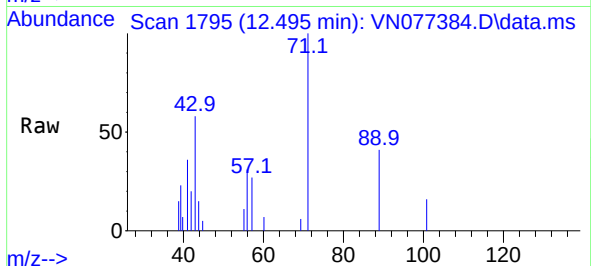




#74
N-amy1 acetate
Concen: 0.221 ug/l
RT: 12.495 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

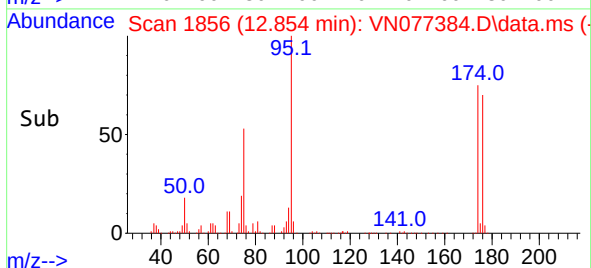
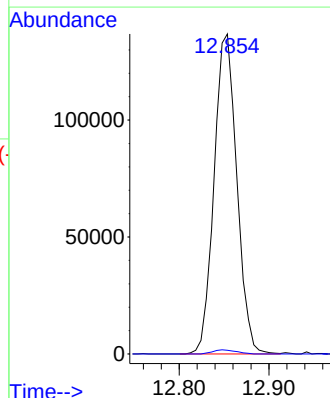
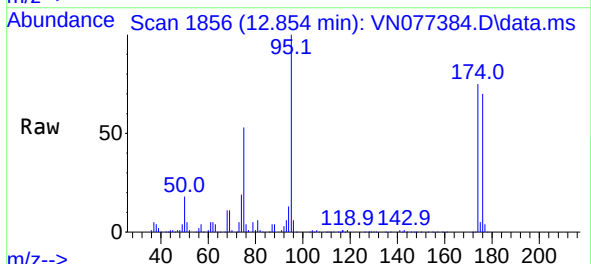
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#12

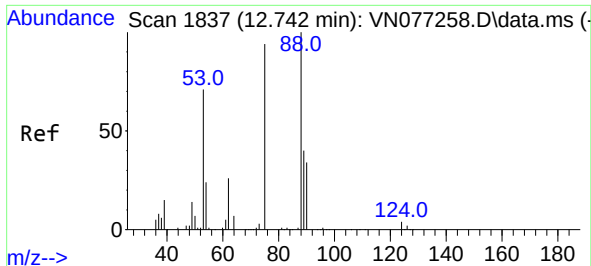
Tgt Ion:	43	Resp:	3221
Ion	Ratio	Lower	Upper
43	100		
70	0.0	41.0	61.6#
55	6.8	19.3	28.9#
61	0.0	22.0	33.0#



#76
1,2,3-Trichloropropane
Concen: 25.555 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

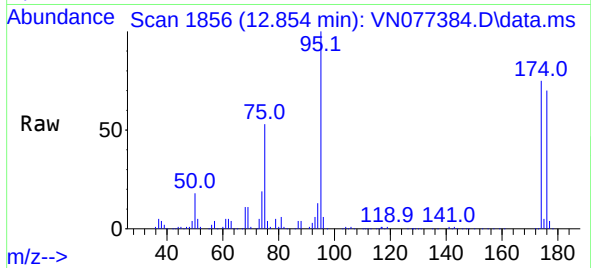
Tgt Ion:	75	Resp:	240712
Ion	Ratio	Lower	Upper
75	100		
77	1.3	88.3	264.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 57.508 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN077384.D
Acq: 19 Apr 2023 18:47

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#12



Tgt Ion: 75 Resp: 240712
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#

