

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041923\
 Data File : VN077380.D
 Acq On : 19 Apr 2023 17:10
 Operator : JC\MD
 Sample : PB152199ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152199ZHE#08

Quant Time: Apr 20 04:27:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

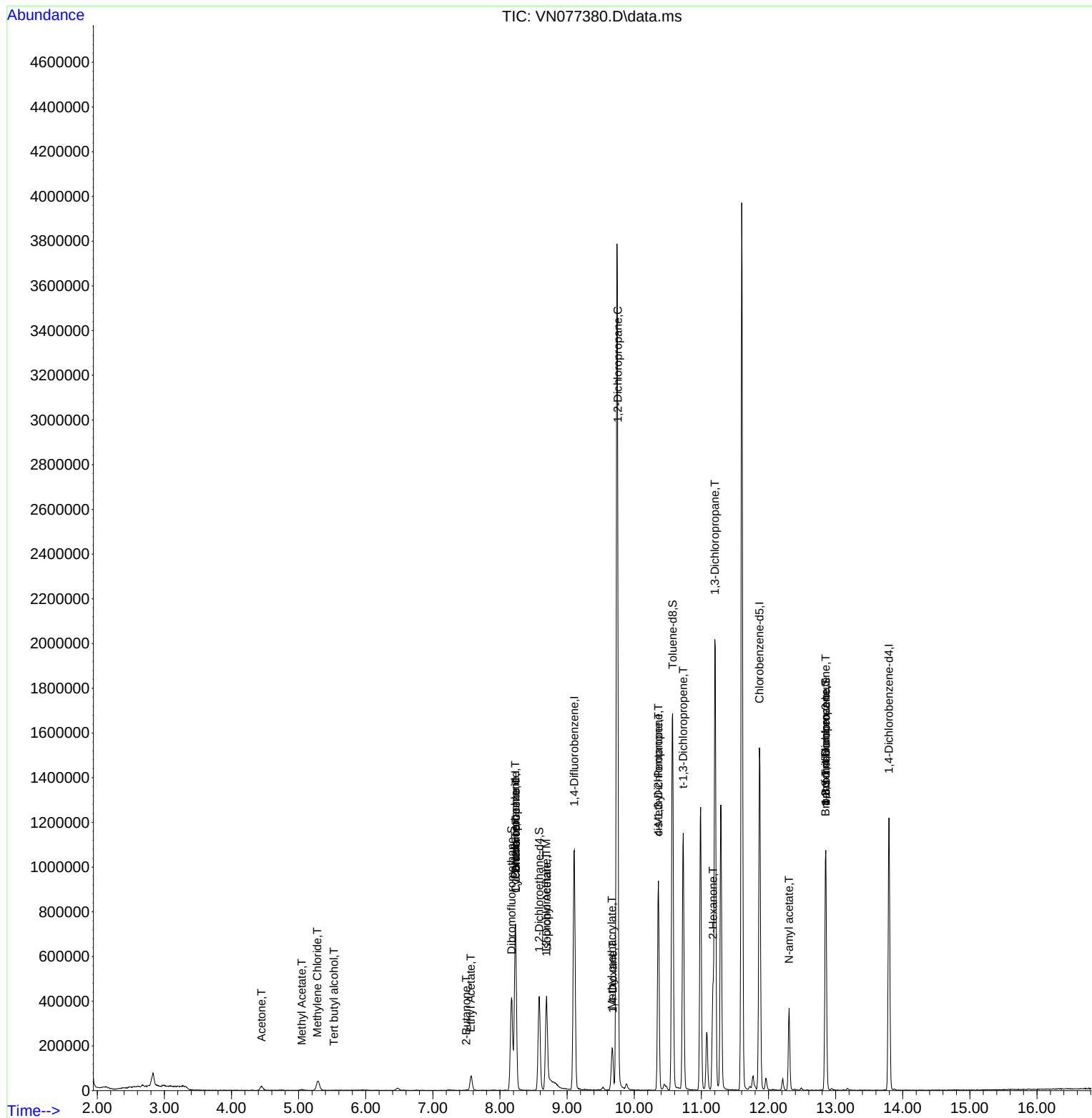
Internal Standards						
1) Pentafluorobenzene	8.231	168	539523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1003603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	937810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	331469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	330573	44.830	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.660%		
35) Dibromofluoromethane	8.172	113	303925	47.305	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.620%		
50) Toluene-d8	10.572	98	1223248	47.295	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.600%		
62) 4-Bromofluorobenzene	12.854	95	387222	45.015	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.040%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.525	59	682	0.453	ug/l #	72
16) Acetone	4.449	43	33104	12.176	ug/l #	83
18) Methyl Acetate	5.049	43	6991	0.675	ug/l #	88
20) Methylene Chloride	5.278	84	39053	5.086	ug/l #	82
25) 2-Butanone	7.495	43	2697	0.611	ug/l #	59
31) Cyclohexane	8.237	56	12411	1.083	ug/l #	10
36) 1,1-Dichloropropene	8.237	75	44181	4.650	ug/l #	50
37) Ethyl Acetate	7.566	43	89437	10.520	ug/l	96
38) Carbon Tetrachloride	8.231	117	60064	6.170	ug/l #	14
42) 1,2-Dichloroethane	8.690	62	3100	0.340	ug/l #	73
43) Isopropyl Acetate	8.695	43	517908	33.013	ug/l #	86
45) 1,2-Dichloropropane	9.754	63	5676	0.806	ug/l #	41
48) Methyl methacrylate	9.666	41	10388	1.552	ug/l #	34
49) 1,4-Dioxane	9.684	88	77	0.475	ug/l #	1
51) 4-Methyl-2-Pentanone	10.360	43	316293	34.881	ug/l #	44
53) t-1,3-Dichloropropene	10.731	75	3686	0.320	ug/l #	60
54) cis-1,3-Dichloropropene	10.360	75	191341	15.606	ug/l #	59
57) 1,3-Dichloropropane	11.201	76	24459	1.944	ug/l #	42
59) 2-Hexanone	11.172	43	338509	50.108	ug/l #	20
71) Bromoform	12.848	173	1829	0.333	ug/l #	1
74) N-amyl acetate	12.307	43	107211	8.787	ug/l #	48
76) 1,2,3-Trichloropropane	12.854	75	207880	26.337	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	207880	59.266	ug/l #	13

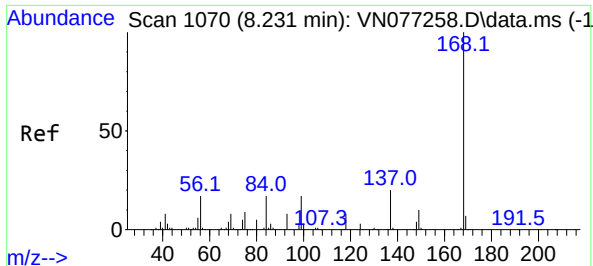
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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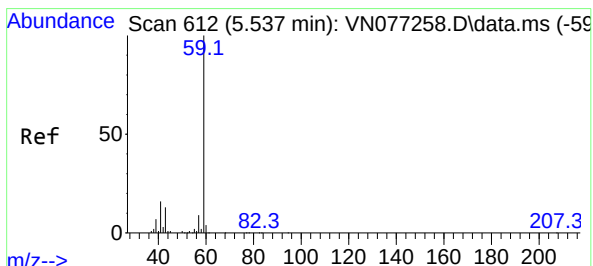
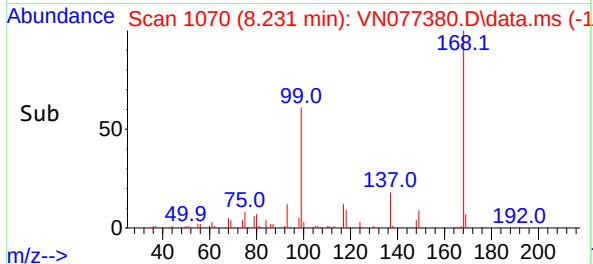
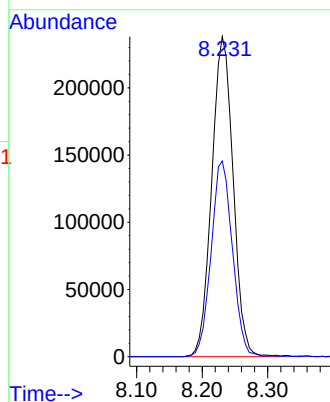
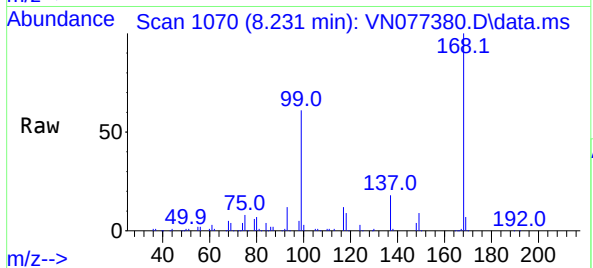




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

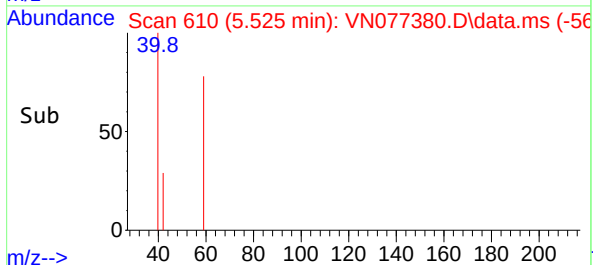
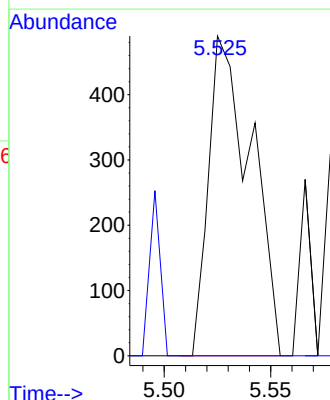
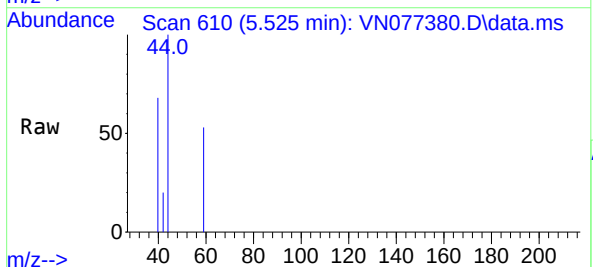
Instrument :
MSVOA_N
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PB152199ZHE#08

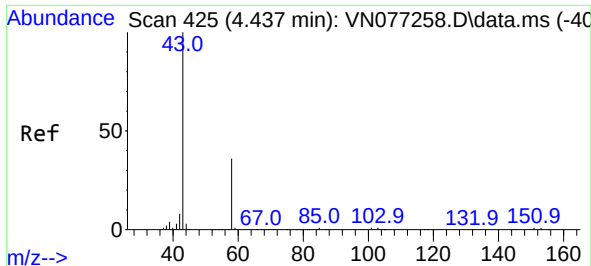
Tgt Ion:168 Resp: 539523
Ion Ratio Lower Upper
168 100
99 61.2 50.6 75.8



#11
Tert butyl alcohol
Concen: 0.453 ug/l
RT: 5.525 min Scan# 610
Delta R.T. -0.012 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

Tgt Ion: 59 Resp: 682
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

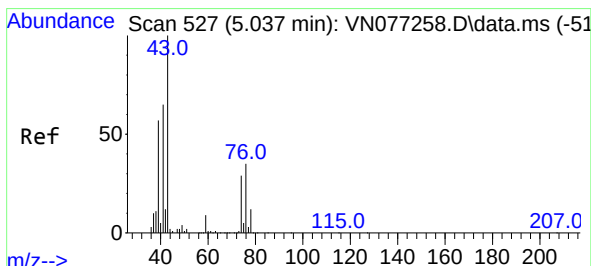
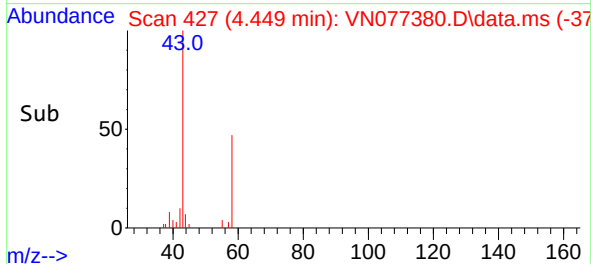
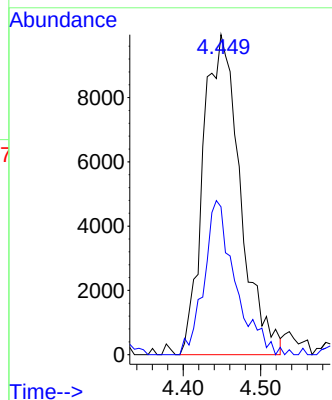
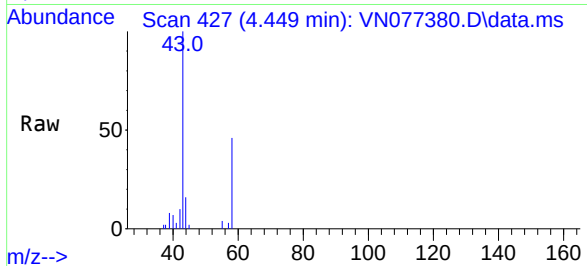




#16
Acetone
Concen: 12.176 ug/l
RT: 4.449 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

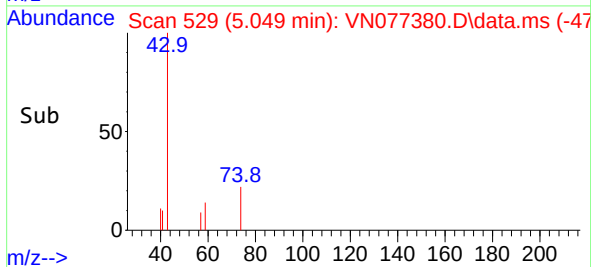
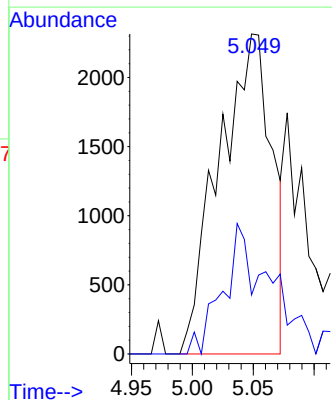
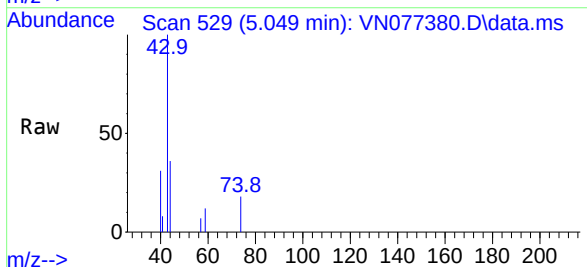
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#08

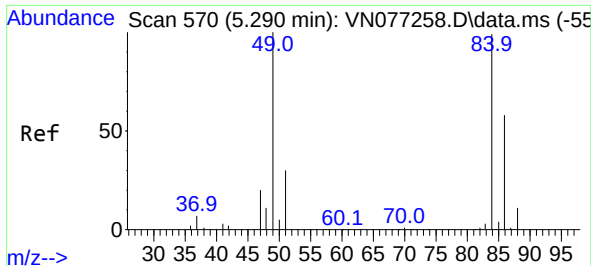
Tgt Ion: 43 Resp: 33104
Ion Ratio Lower Upper
43 100
58 46.2 29.0 43.6#



#18
Methyl Acetate
Concen: 0.675 ug/l
RT: 5.049 min Scan# 529
Delta R.T. 0.012 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

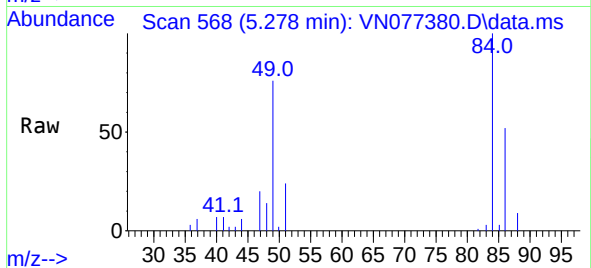
Tgt Ion: 43 Resp: 6991
Ion Ratio Lower Upper
43 100
74 22.9 23.4 35.2#





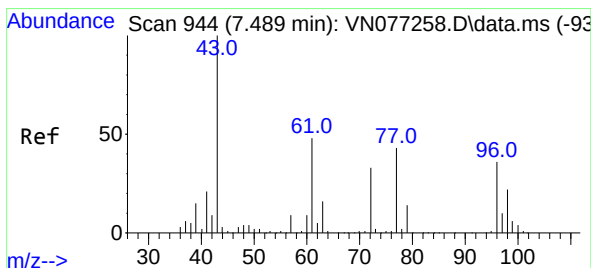
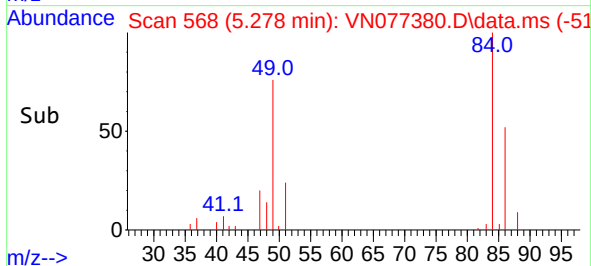
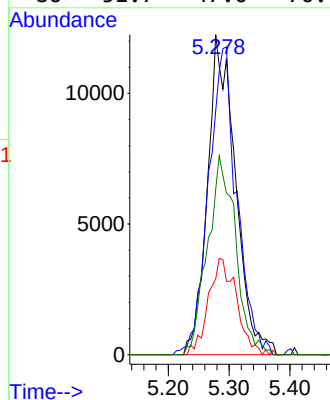
#20
Methylene Chloride
Concen: 5.086 ug/l
RT: 5.278 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#08



Tgt Ion: 84 Resp: 39053

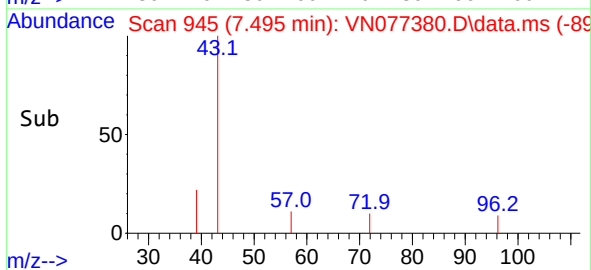
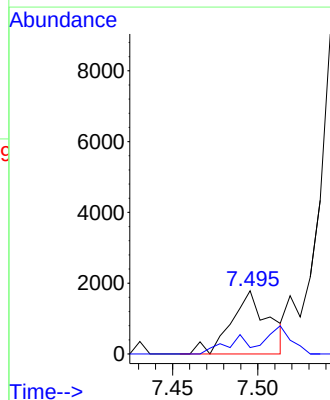
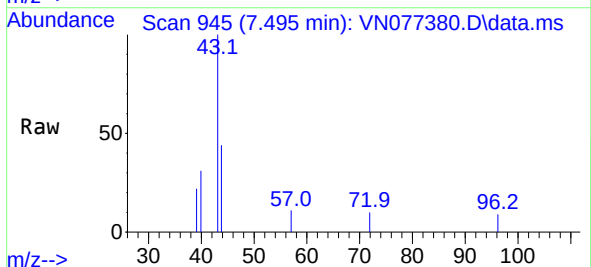
Ion	Ratio	Lower	Upper
84	100		
49	76.3	80.6	121.0#
51	23.7	24.4	36.6#
86	51.7	47.0	70.6

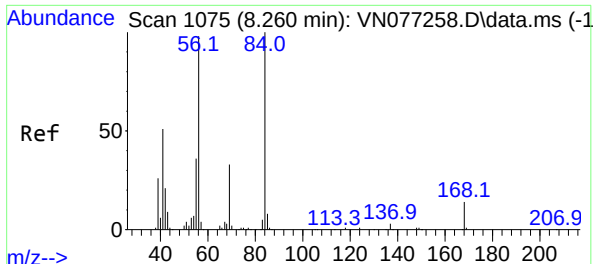


#25
2-Butanone
Concen: 0.611 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

Tgt Ion: 43 Resp: 2697

Ion	Ratio	Lower	Upper
43	100		
72	10.2	26.6	39.8#

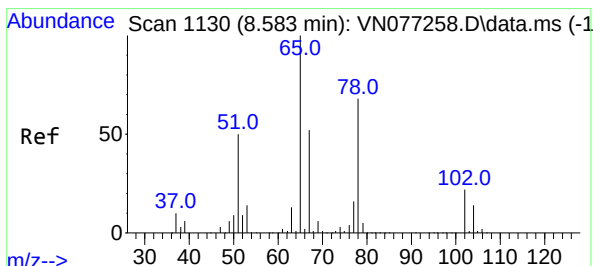
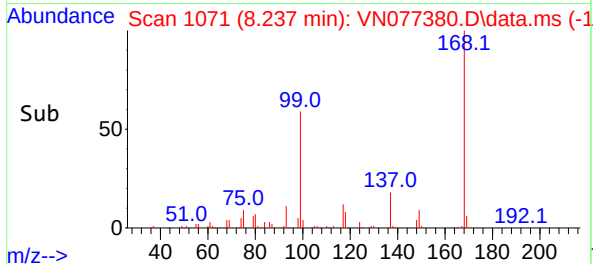
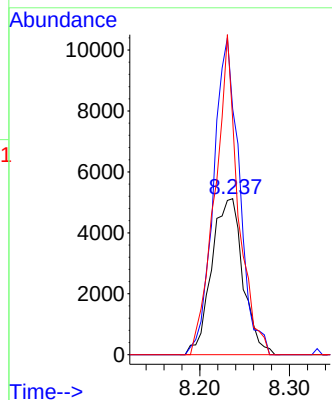
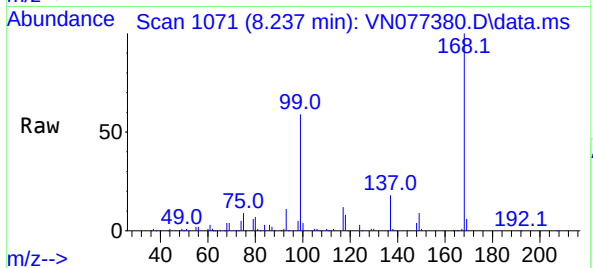




#31
Cyclohexane
Concen: 1.083 ug/l
RT: 8.237 min Scan# 1071
Delta R.T. -0.023 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

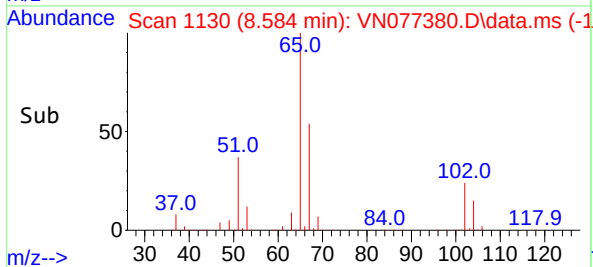
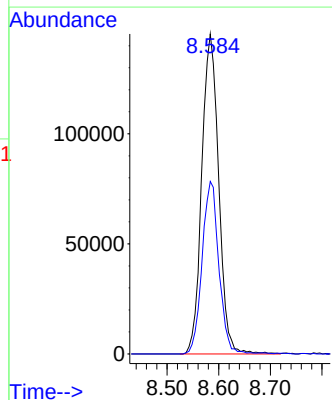
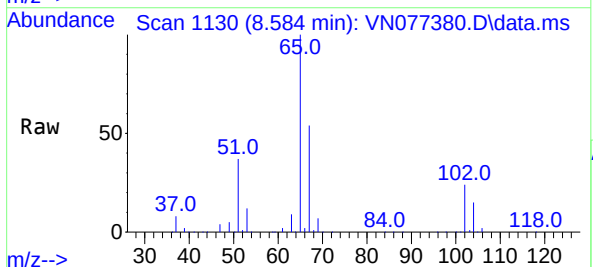
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#08

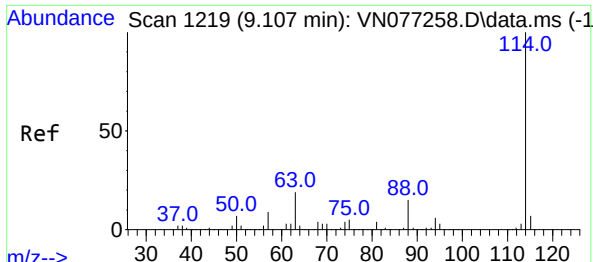
Tgt Ion: 56 Resp: 12411
Ion Ratio Lower Upper
56 100
69 157.6 26.6 40.0#
84 150.6 81.8 122.8#



#33
1,2-Dichloroethane-d4
Concen: 44.830 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

Tgt Ion: 65 Resp: 330573
Ion Ratio Lower Upper
65 100
67 53.3 0.0 108.8

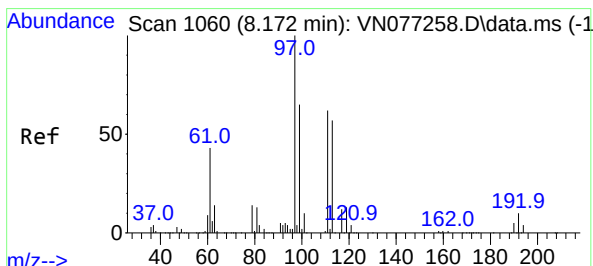
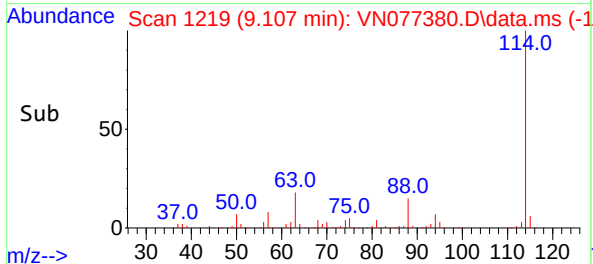
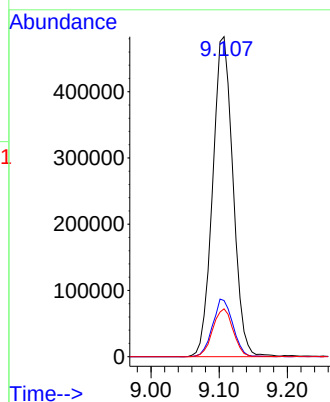
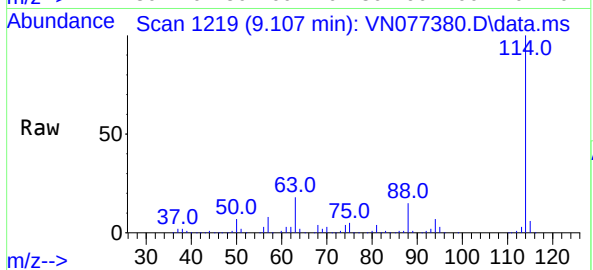




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

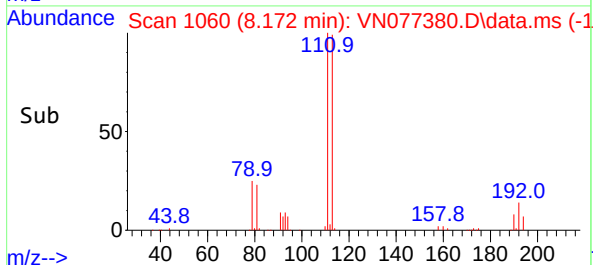
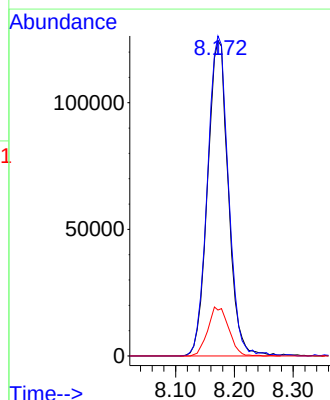
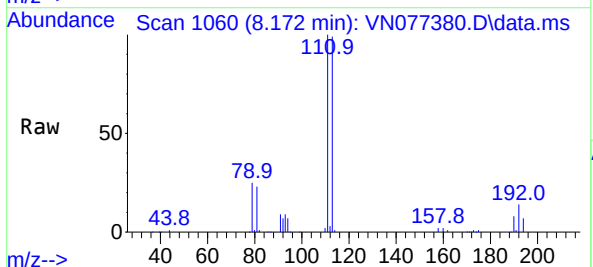
Instrument :
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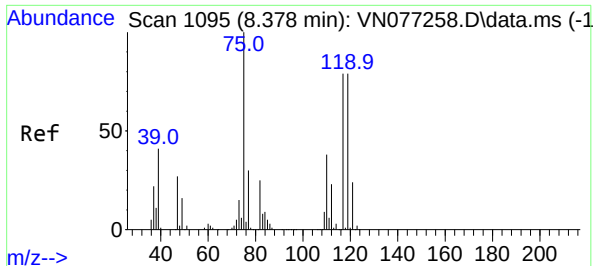
Tgt Ion:114 Resp: 1003603
Ion Ratio Lower Upper
114 100
63 17.5 0.0 37.8
88 15.0 0.0 29.4



#35
Dibromofluoromethane
Concen: 47.305 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

Tgt Ion:113 Resp: 303925
Ion Ratio Lower Upper
113 100
111 103.0 83.4 125.0
192 15.7 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.650 ug/l

RT: 8.237 min Scan# 1095

Delta R.T. -0.141 min

Lab File: VN077380.D

Acq: 19 Apr 2023 17:10

Instrument :

MSVOA_N

ClientSampleId :

PB152199ZHE#08

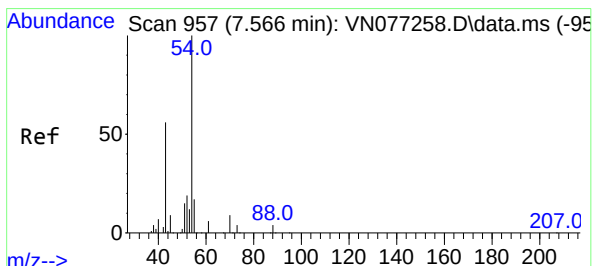
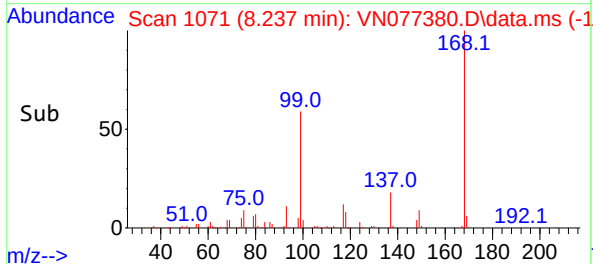
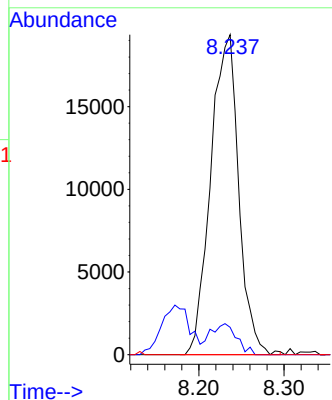
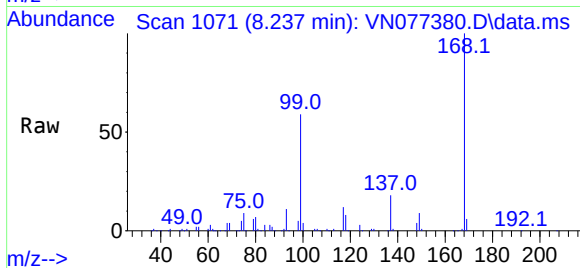
Tgt Ion: 75 Resp: 44181

Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 10.520 ug/l

RT: 7.566 min Scan# 957

Delta R.T. 0.000 min

Lab File: VN077380.D

Acq: 19 Apr 2023 17:10

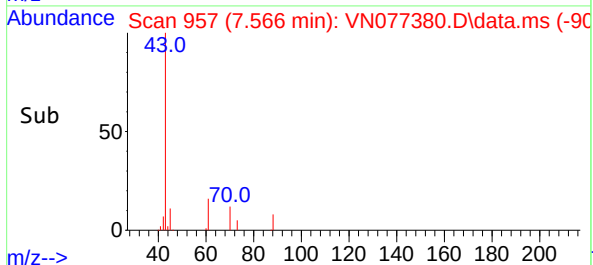
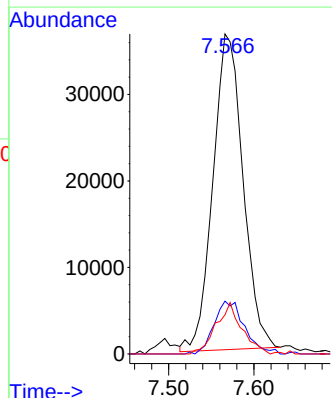
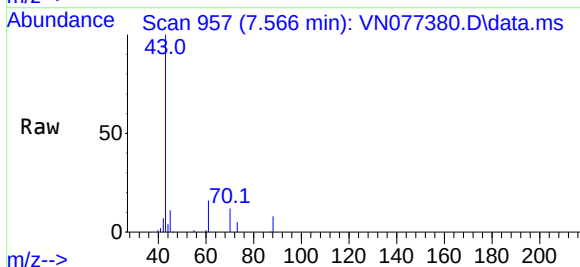
Tgt Ion: 43 Resp: 89437

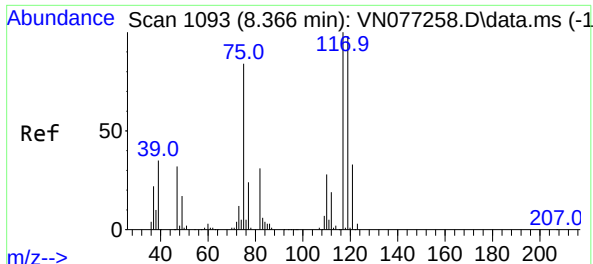
Ion Ratio Lower Upper

43 100

61 17.0 12.2 18.2

70 14.0 10.0 15.0

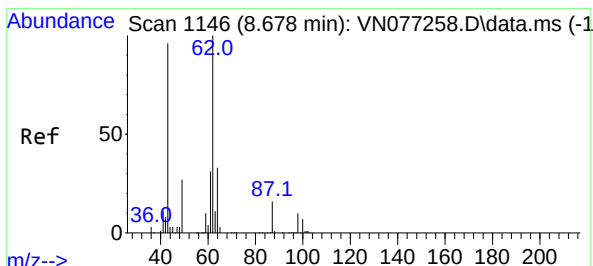
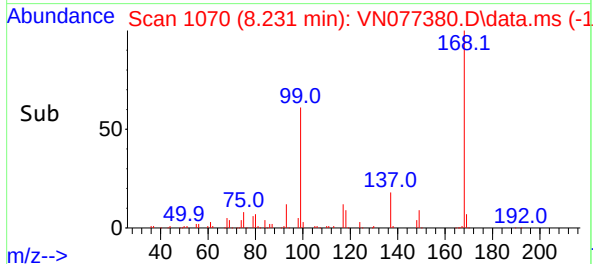
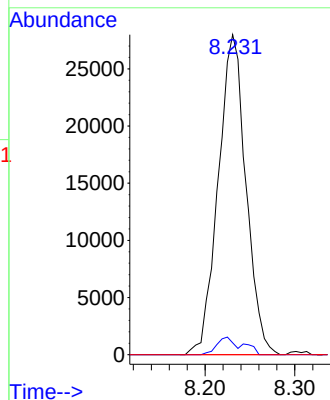
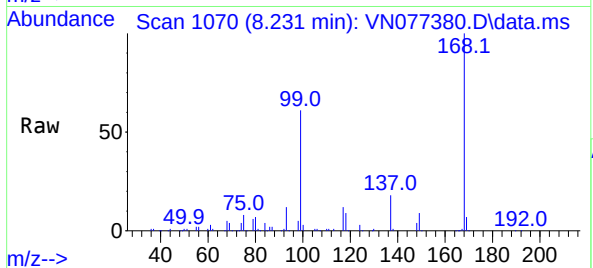




#38
Carbon Tetrachloride
Concen: 6.170 ug/l
RT: 8.231 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

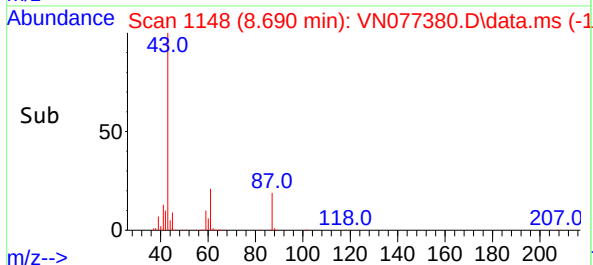
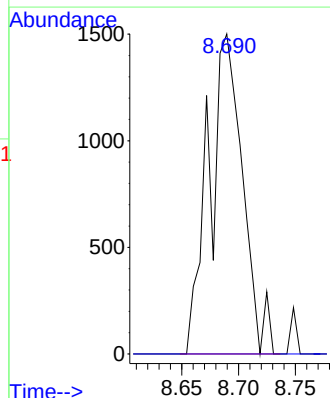
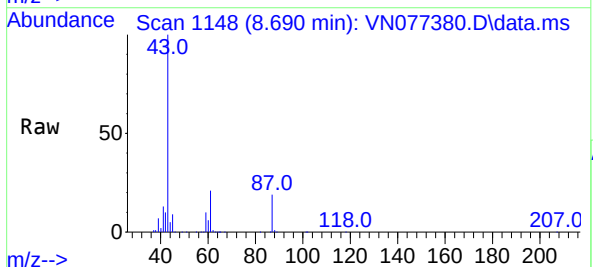
Instrument :
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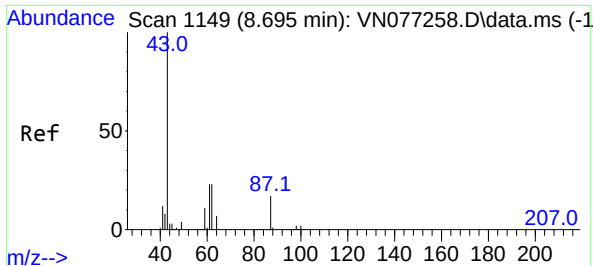
Tgt Ion:117 Resp: 60064
Ion Ratio Lower Upper
117 100
119 3.7 78.5 117.7#
121 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.340 ug/l
RT: 8.690 min Scan# 1148
Delta R.T. 0.011 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

Tgt Ion: 62 Resp: 3100
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

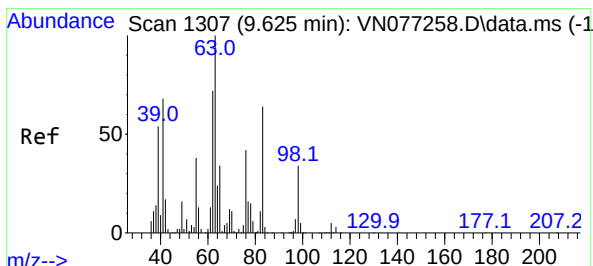
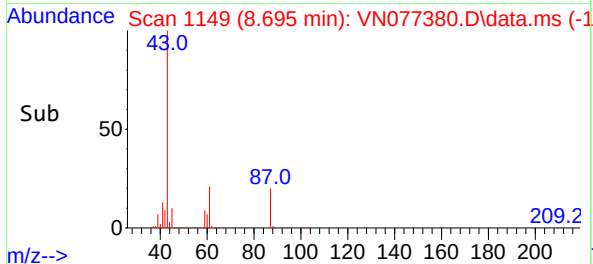
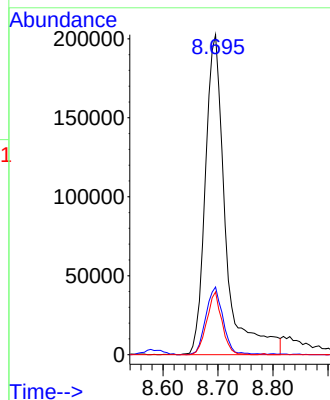
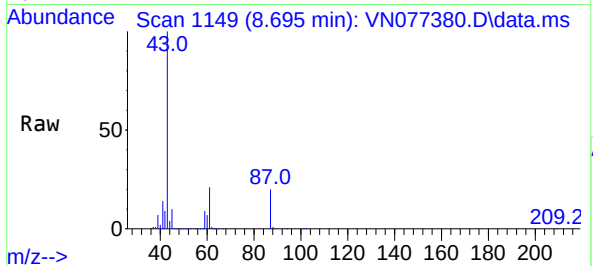




#43
Isopropyl Acetate
Concen: 33.013 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

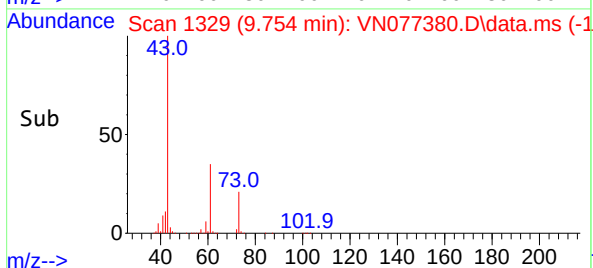
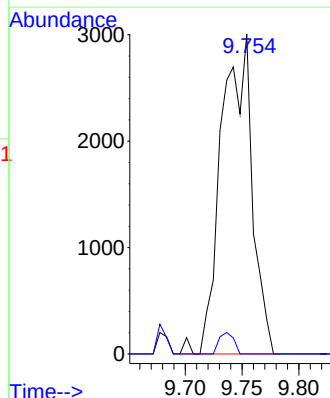
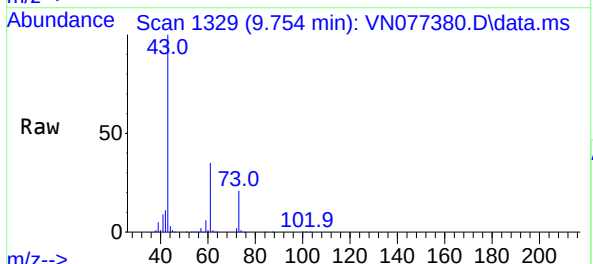
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#08

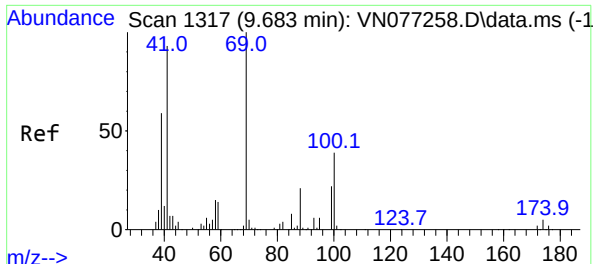
Tgt Ion: 43 Resp: 517908
Ion Ratio Lower Upper
43 100
61 18.0 22.7 34.1#
87 14.6 13.6 20.4



#45
1,2-Dichloropropane
Concen: 0.806 ug/l
RT: 9.754 min Scan# 1329
Delta R.T. 0.129 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

Tgt Ion: 63 Resp: 5676
Ion Ratio Lower Upper
63 100
65 0.0 27.1 40.7#





#48

Methyl methacrylate

Concen: 1.552 ug/l

RT: 9.666 min Scan# 11

Delta R.T. -0.017 min

Lab File: VN077380.D

Acq: 19 Apr 2023 17:10

Instrument :

MSVOA_N

ClientSampleId :

PB152199ZHE#08

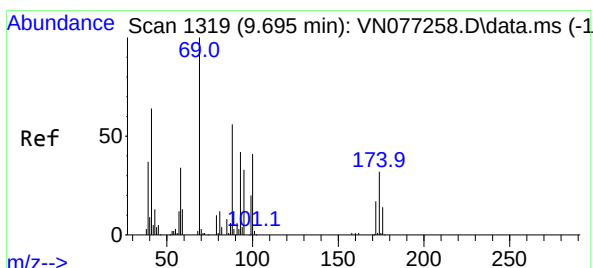
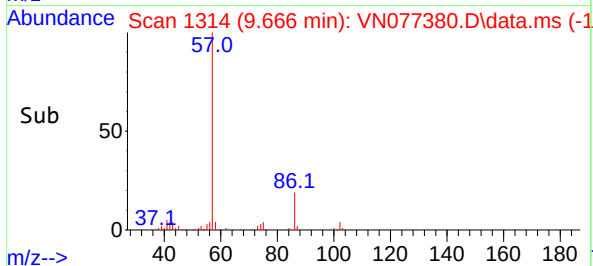
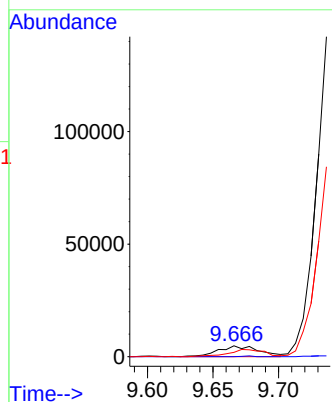
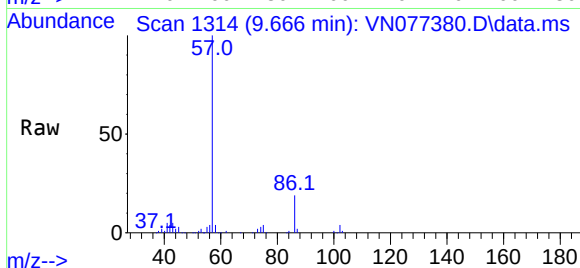
Tgt Ion: 41 Resp: 10388

Ion Ratio Lower Upper

41 100

69 1.7 85.0 127.6#

39 58.6 53.5 80.3



#49

1,4-Dioxane

Concen: 0.475 ug/l

RT: 9.684 min Scan# 1317

Delta R.T. -0.011 min

Lab File: VN077380.D

Acq: 19 Apr 2023 17:10

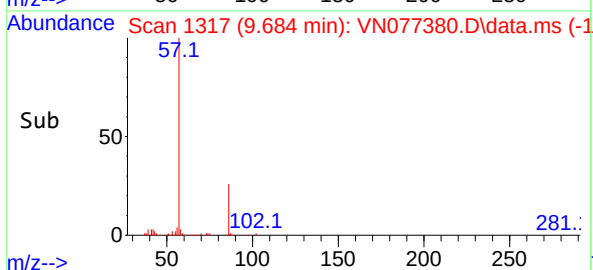
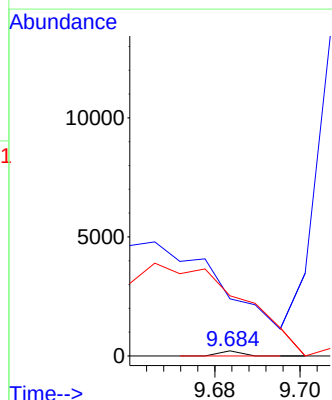
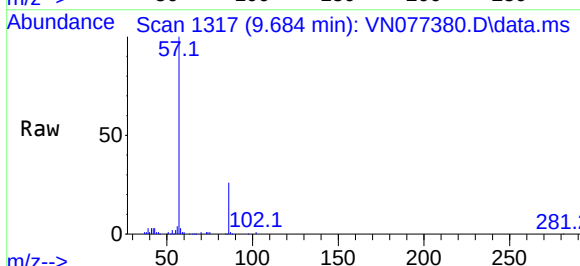
Tgt Ion: 88 Resp: 77

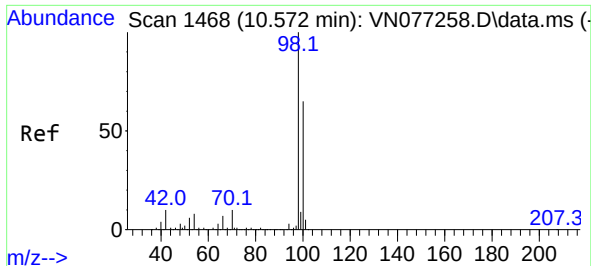
Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 11023.4 49.8 74.6#

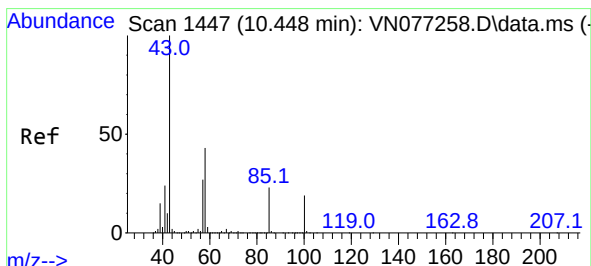
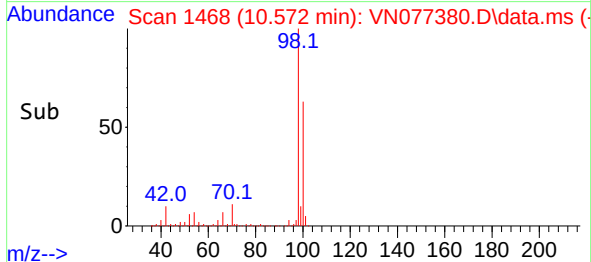
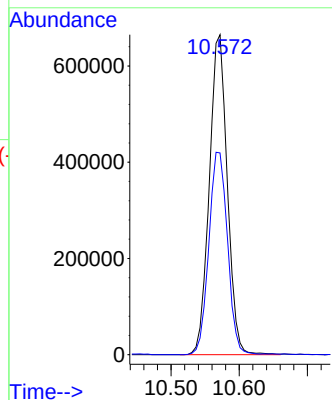
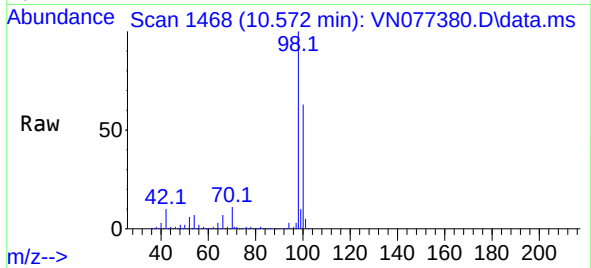




#50
Toluene-d8
Concen: 47.295 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

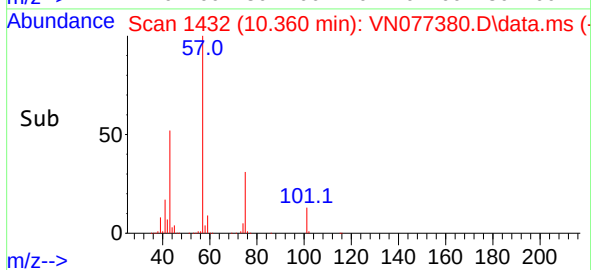
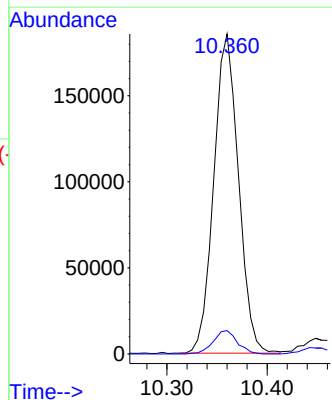
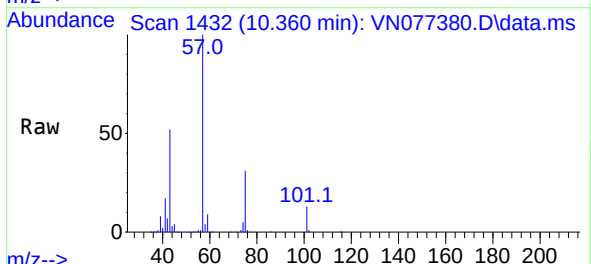
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#08

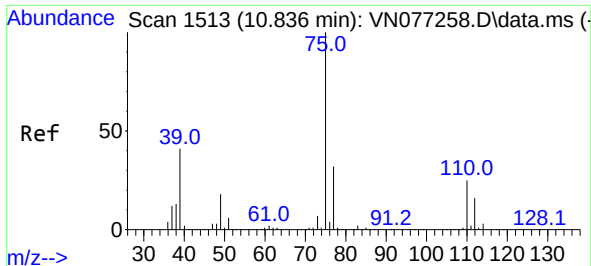
Tgt Ion: 98 Resp: 1223248
Ion Ratio Lower Upper
98 100
100 65.6 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 34.881 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. -0.088 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

Tgt Ion: 43 Resp: 316293
Ion Ratio Lower Upper
43 100
58 7.2 34.6 52.0#

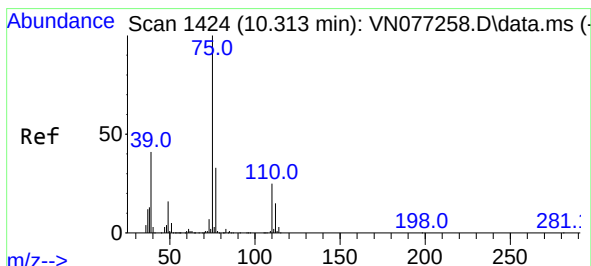
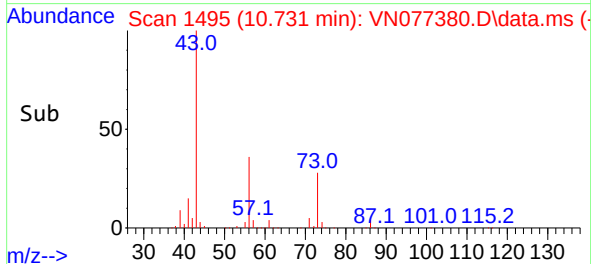
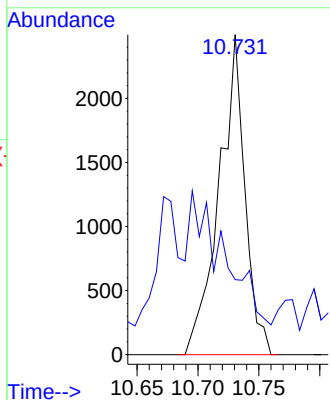
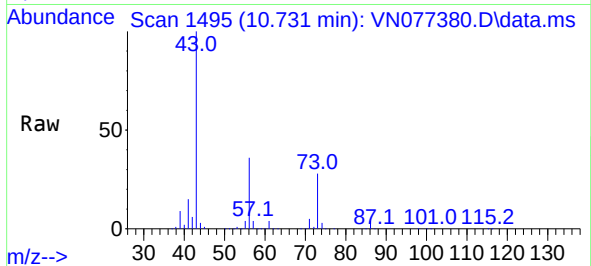




#53
t-1,3-Dichloropropene
Concen: 0.320 ug/l
RT: 10.731 min Scan# 1495
Delta R.T. -0.105 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

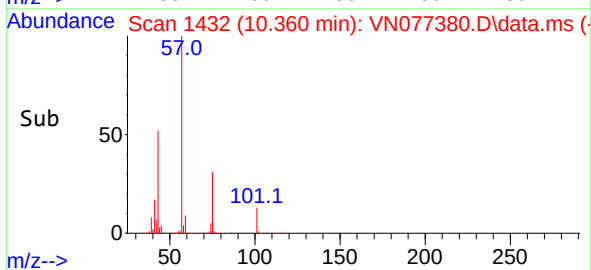
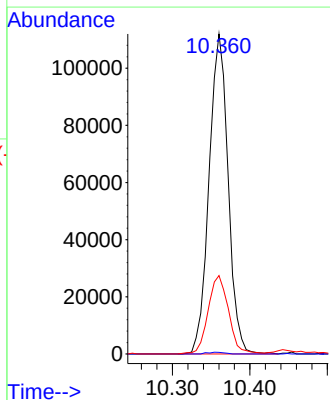
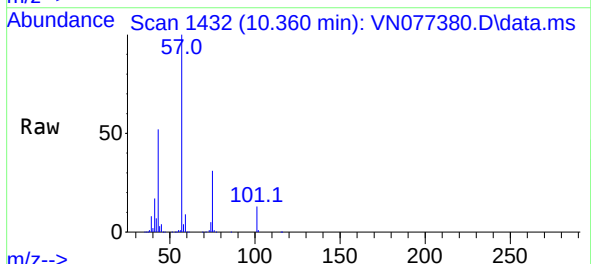
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#08

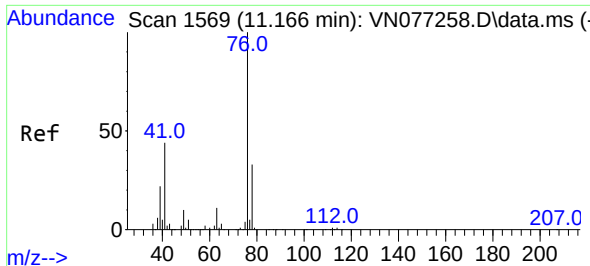
Tgt Ion: 75 Resp: 3686
Ion Ratio Lower Upper
75 100
77 9.5 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 15.606 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

Tgt Ion: 75 Resp: 191341
Ion Ratio Lower Upper
75 100
77 0.5 26.7 40.1#
39 24.5 32.8 49.2#

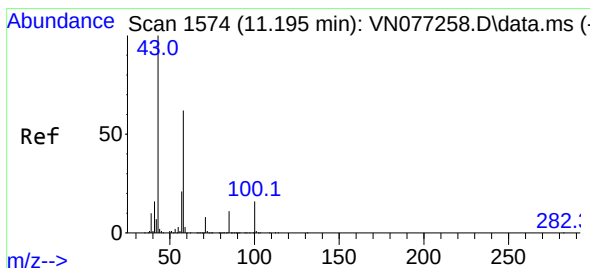
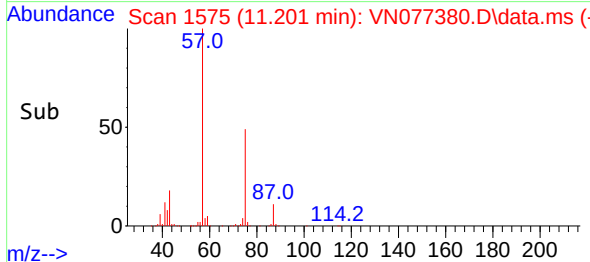
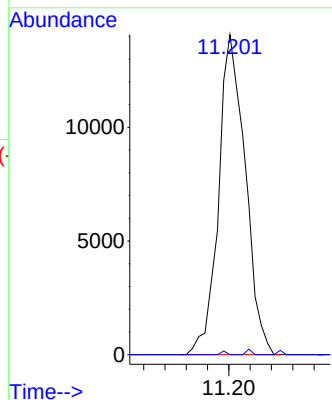
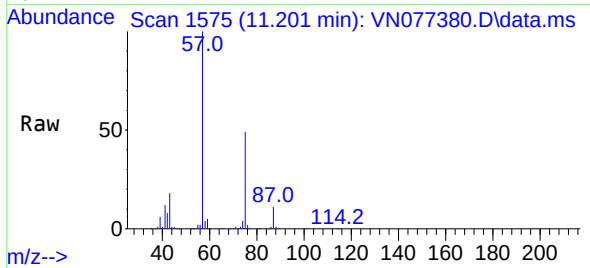




#57
1,3-Dichloropropane
Concen: 1.944 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

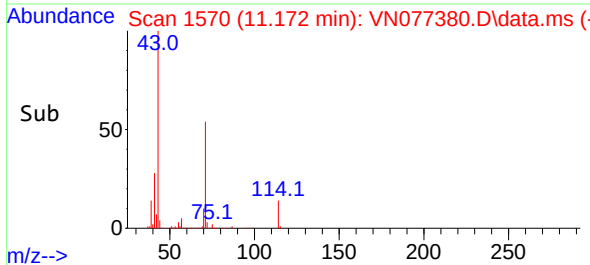
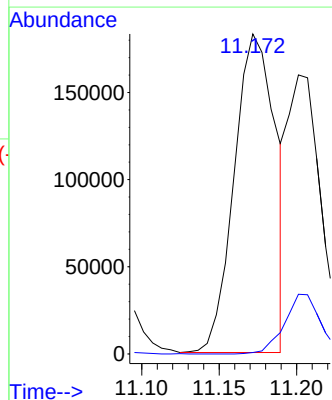
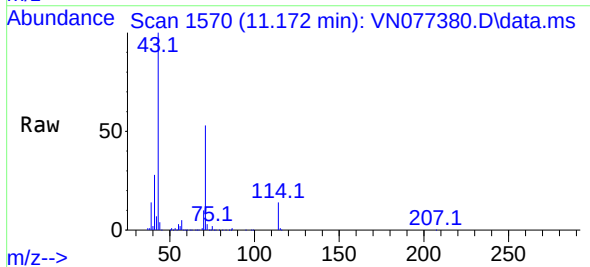
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#08

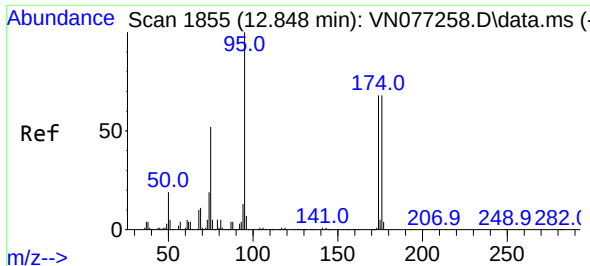
Tgt Ion: 76 Resp: 24459
Ion Ratio Lower Upper
76 100
78 0.2 26.2 39.4#



#59
2-Hexanone
Concen: 50.108 ug/l
RT: 11.172 min Scan# 1570
Delta R.T. -0.023 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

Tgt Ion: 43 Resp: 338509
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#

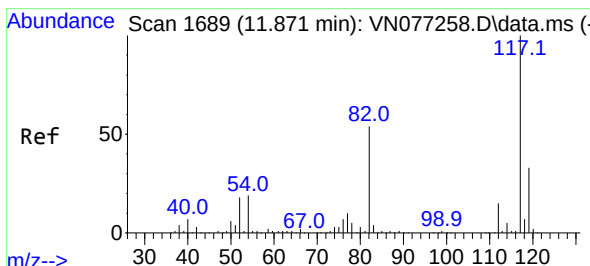
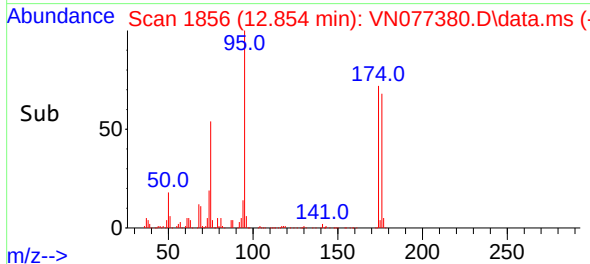
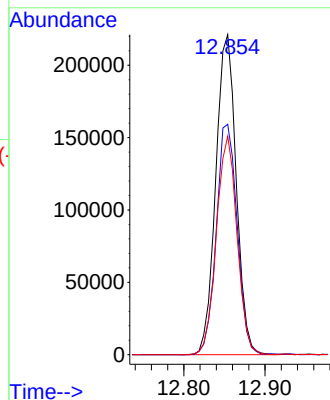
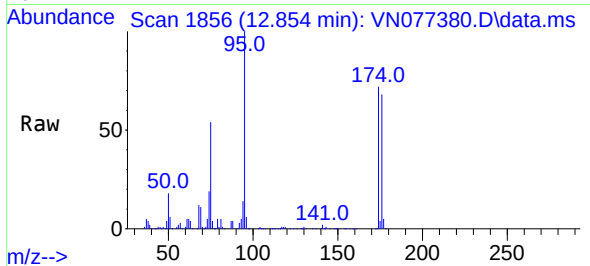




#62
4-Bromofluorobenzene
Concen: 45.015 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

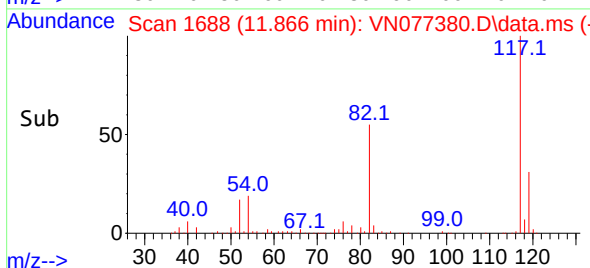
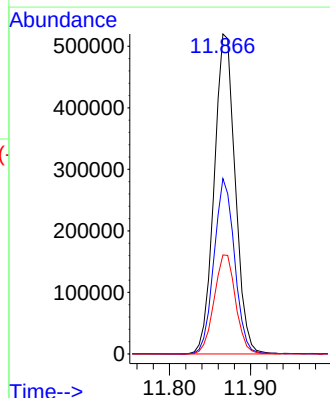
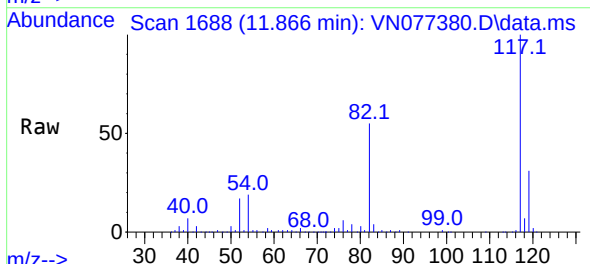
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#08

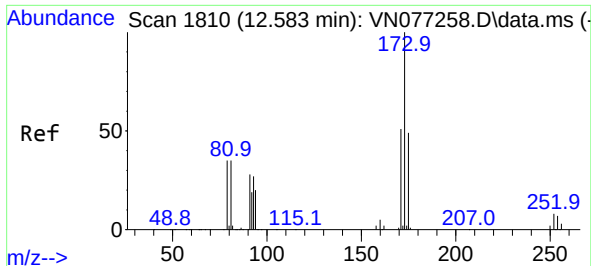
Tgt Ion: 95 Resp: 387222
Ion Ratio Lower Upper
95 100
174 73.6 0.0 146.8
176 68.7 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.005 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

Tgt Ion: 117 Resp: 937810
Ion Ratio Lower Upper
117 100
82 54.8 42.9 64.3
119 31.0 26.2 39.4

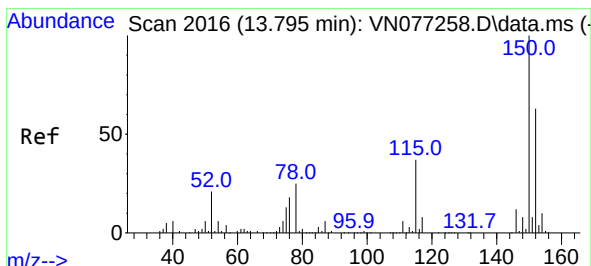
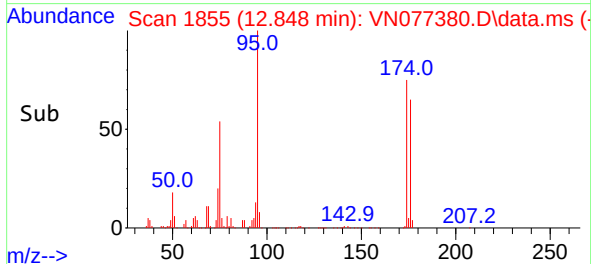
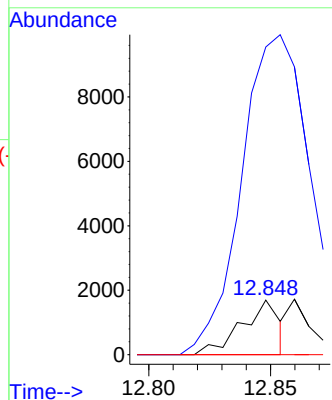
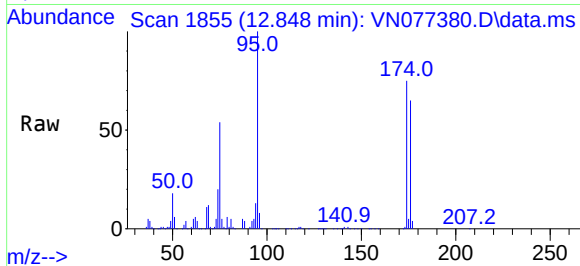




#71
Bromoform
Concen: 0.333 ug/l
RT: 12.848 min Scan# 1810
Delta R.T. 0.265 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

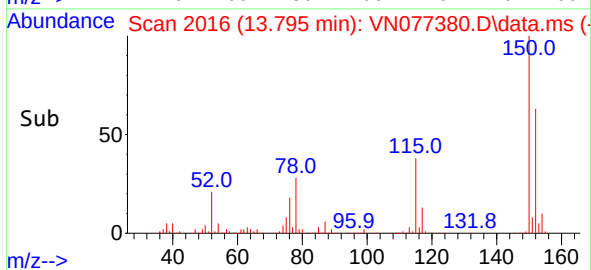
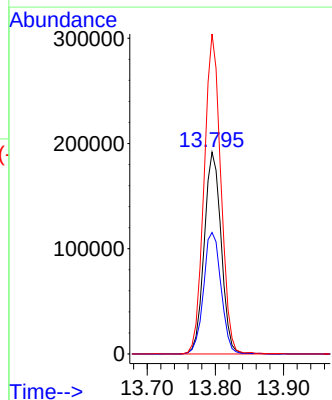
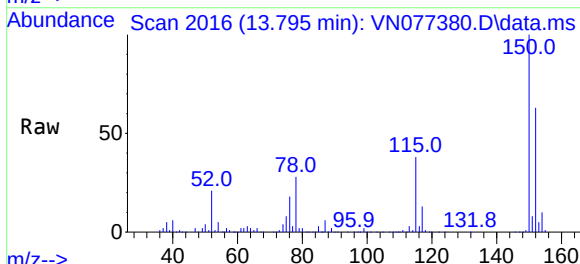
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#08

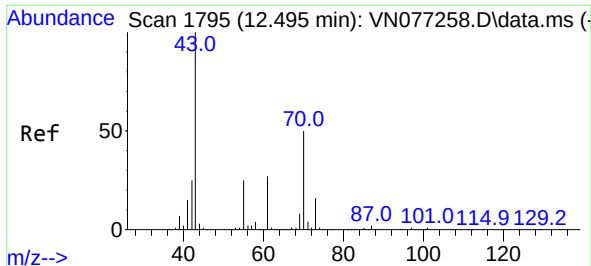
Tgt Ion:173 Resp: 1829
Ion Ratio Lower Upper
173 100
175 849.7 24.1 72.4#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

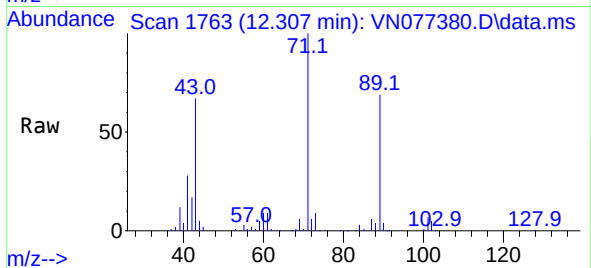
Tgt Ion:152 Resp: 331469
Ion Ratio Lower Upper
152 100
115 62.3 32.1 96.3
150 157.1 0.0 354.8



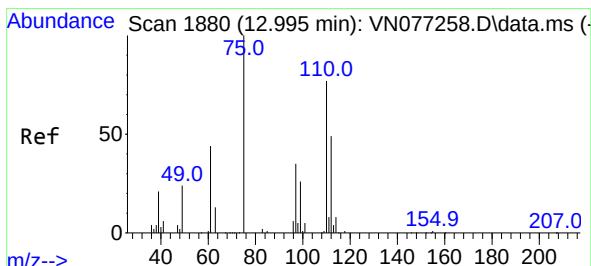
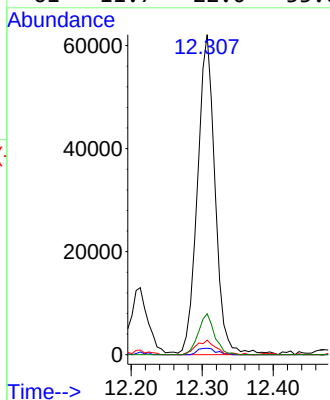
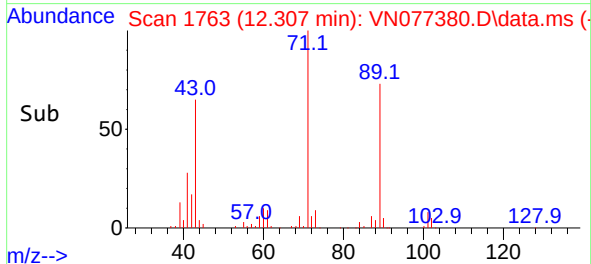


#74
N-amy1 acetate
Concen: 8.787 ug/l
RT: 12.307 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#08

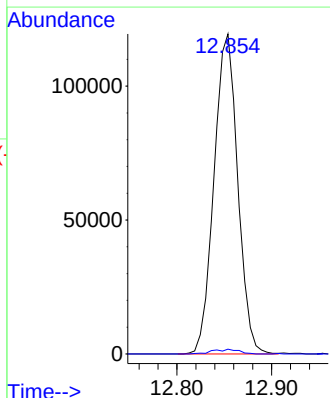
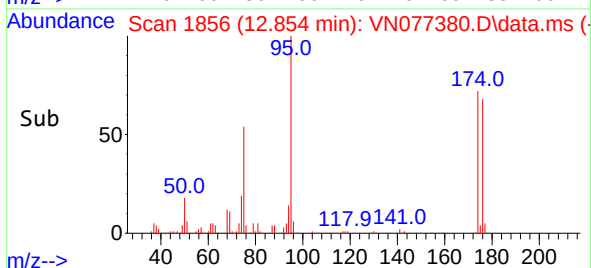
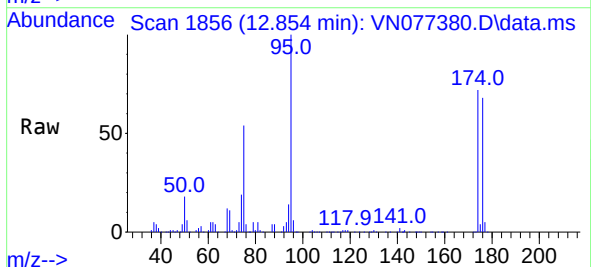


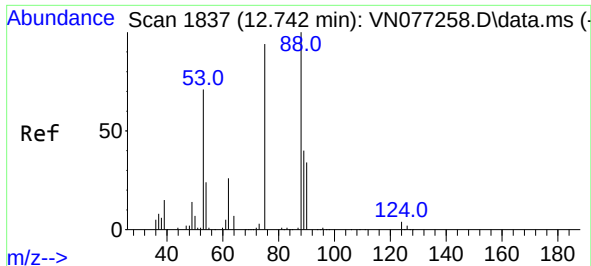
Tgt Ion: 43 Resp: 107211
Ion Ratio Lower Upper
43 100
70 2.1 41.0 61.6#
55 4.8 19.3 28.9#
61 11.7 22.0 33.0#



#76
1,2,3-Trichloropropane
Concen: 26.337 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

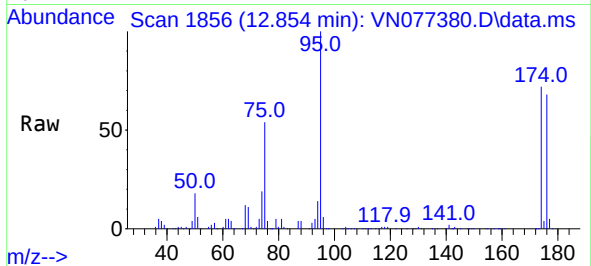
Tgt Ion: 75 Resp: 207880
Ion Ratio Lower Upper
75 100
77 1.6 88.3 264.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 59.266 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN077380.D
Acq: 19 Apr 2023 17:10

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#08



Tgt Ion: 75 Resp: 207880
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#

