

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042023\
 Data File : VN077401.D
 Acq On : 20 Apr 2023 15:34
 Operator : JC\MD
 Sample : 02389-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPB-5WC-23-04-17

Quant Time: Apr 21 02:40:17 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)

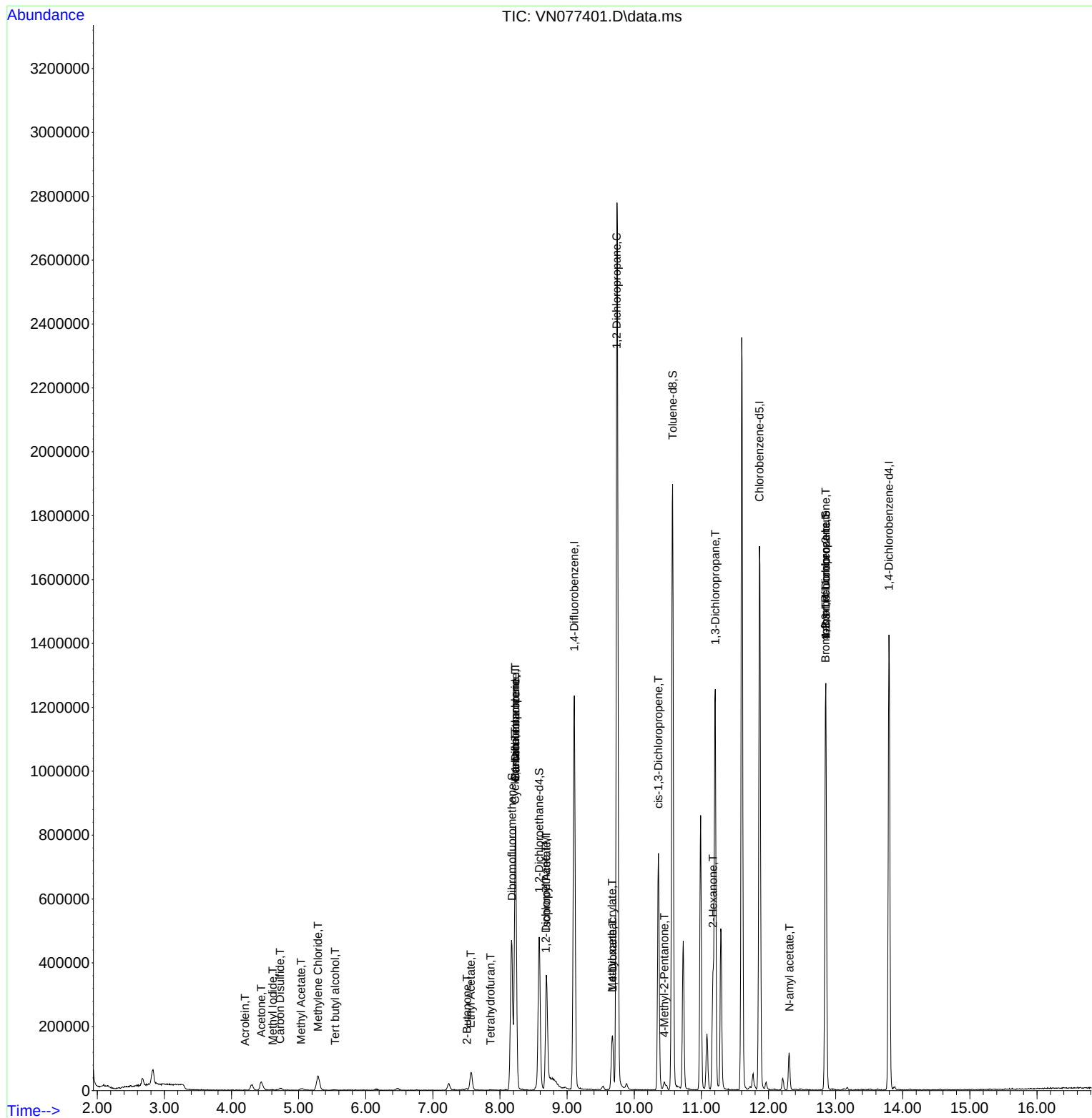
Internal Standards						
1) Pentafluorobenzene	8.231	168	590437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1124653	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1047720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	384726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	375194	46.494	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.980%		
35) Dibromofluoromethane	8.178	113	341544	47.439	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.880%		
50) Toluene-d8	10.572	98	1383001	47.717	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.440%		
62) 4-Bromofluorobenzene	12.854	95	462383	47.967	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.940%		
Target Compounds						Qvalue
10) Methyl Iodide	4.613	142	2308	0.282	ug/l #	54
11) Tert butyl alcohol	5.543	59	2000	1.215	ug/l #	72
13) Acrolein	4.201	56	619	0.397	ug/l	85
16) Acetone	4.443	43	50407	16.942	ug/l	94
17) Carbon Disulfide	4.725	76	7404	0.397	ug/l #	75
18) Methyl Acetate	5.037	43	11629	1.026	ug/l	95
20) Methylene Chloride	5.290	84	40415	4.810	ug/l #	84
25) 2-Butanone	7.507	43	6259	1.296	ug/l	95
29) Tetrahydrofuran	7.860	42	906	0.292	ug/l #	44
31) Cyclohexane	8.225	56	14588	1.163	ug/l #	35
36) 1,1-Dichloropropene	8.231	75	50809	4.772	ug/l #	49
37) Ethyl Acetate	7.566	43	82735	8.684	ug/l	95
38) Carbon Tetrachloride	8.231	117	65249	5.981	ug/l #	15
42) 1,2-Dichloroethane	8.683	62	3102	0.303	ug/l #	73
43) Isopropyl Acetate	8.689	43	415267	23.622	ug/l #	88
45) 1,2-Dichloropropane	9.736	63	3840	0.487	ug/l #	41
48) Methyl methacrylate	9.672	41	9538	1.272	ug/l #	36
49) 1,4-Dioxane	9.678	88	284	1.562	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	12976	1.277	ug/l	87
54) cis-1,3-Dichloropropene	10.360	75	149151	10.855	ug/l #	62
57) 1,3-Dichloropropane	11.207	76	16487	1.169	ug/l #	43
59) 2-Hexanone	11.172	43	295136	38.986	ug/l #	20
71) Bromoform	12.848	173	2552	0.415	ug/l #	1
74) N-amyl acetate	12.313	43	36800	2.599	ug/l #	48
76) 1,2,3-Trichloropropane	12.854	75	245703	26.819	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	245703	60.353	ug/l #	13

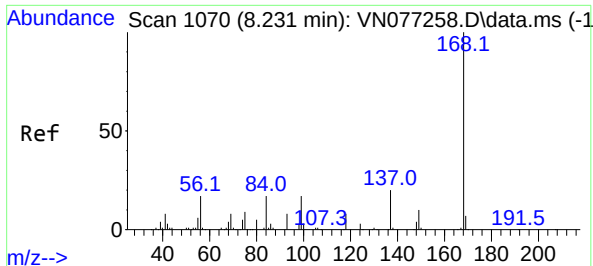
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042023\
Data File : VN077401.D
Acq On : 20 Apr 2023 15:34
Operator : JC\MD
Sample : 02389-17
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SPB-5WC-23-04-17

Quant Time: Apr 21 02:40:17 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

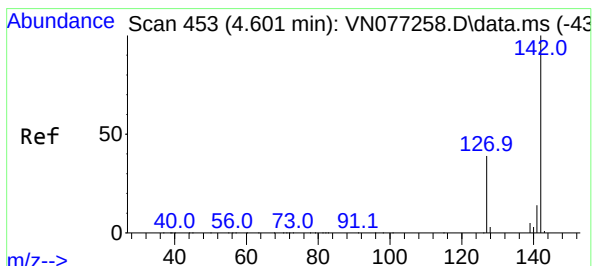
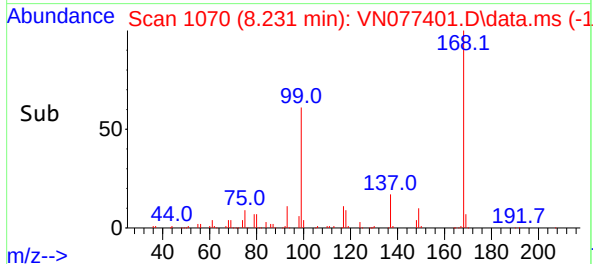
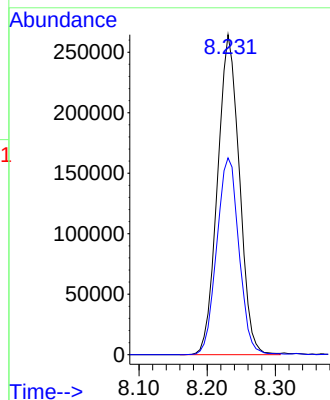
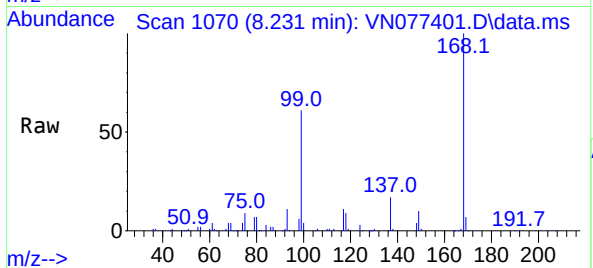




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

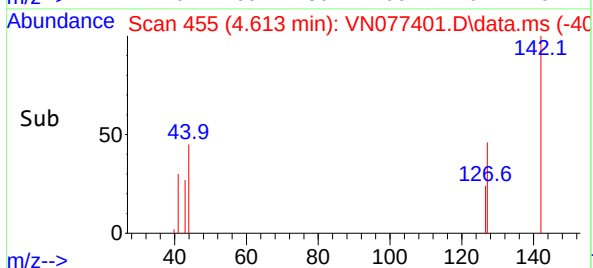
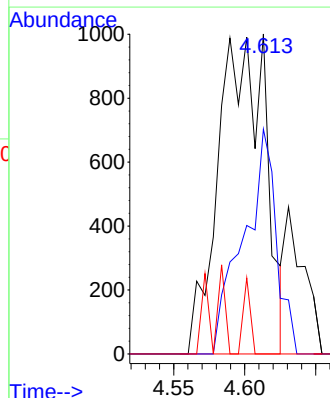
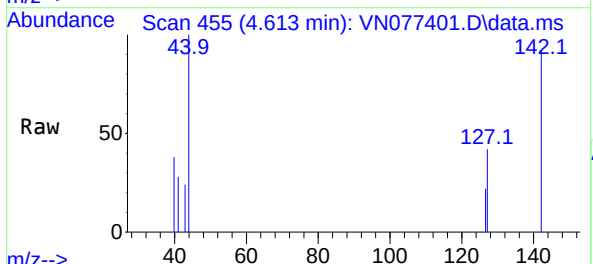
Instrument :
MSVOA_N
ClientSampleId :
SPB-5WC-23-04-17

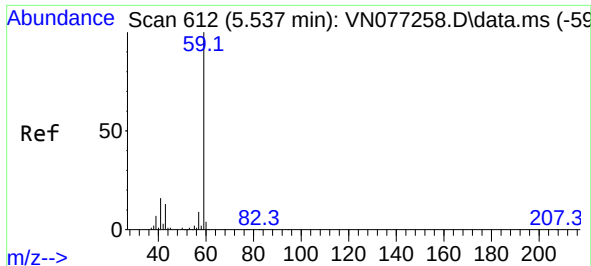
Tgt Ion:168 Resp: 590437
Ion Ratio Lower Upper
168 100
99 61.5 50.6 75.8



#10
Methyl Iodide
Concen: 0.282 ug/l
RT: 4.613 min Scan# 455
Delta R.T. 0.012 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

Tgt Ion:142 Resp: 2308
Ion Ratio Lower Upper
142 100
127 70.2 31.5 47.3#
141 0.0 11.4 17.2#

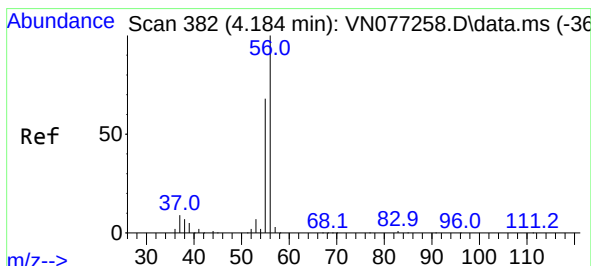
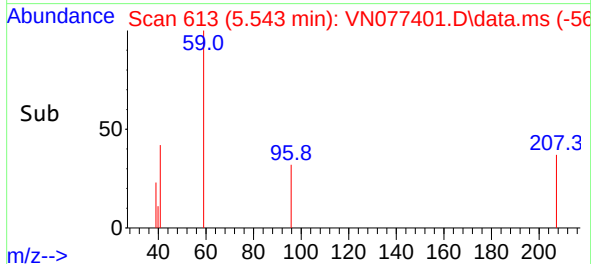
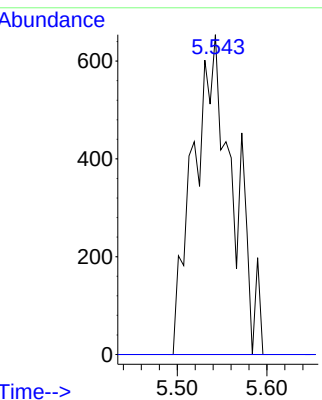
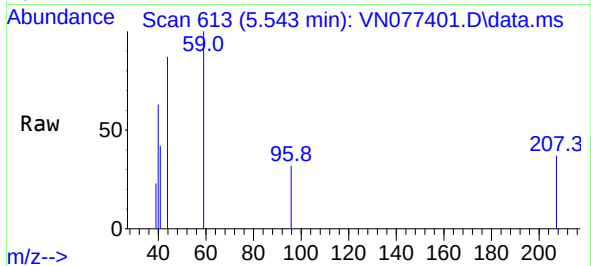




#11
Tert butyl alcohol
Concen: 1.215 ug/l
RT: 5.543 min Scan# 612
Delta R.T. 0.006 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

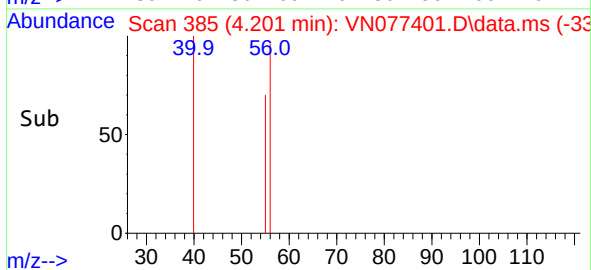
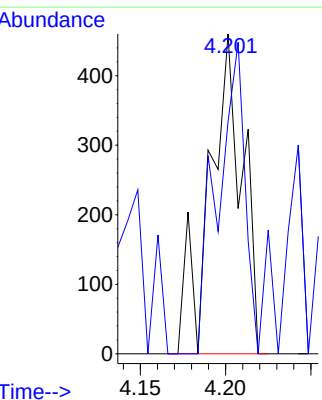
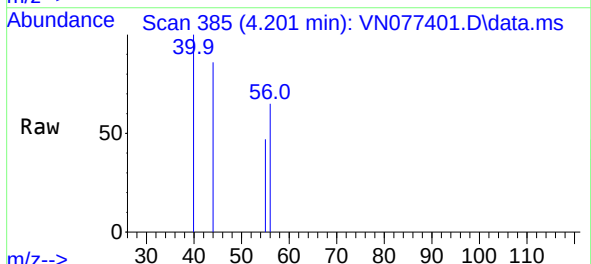
Instrument :
MSVOA_N
ClientSampleId :
SPB-5WC-23-04-17

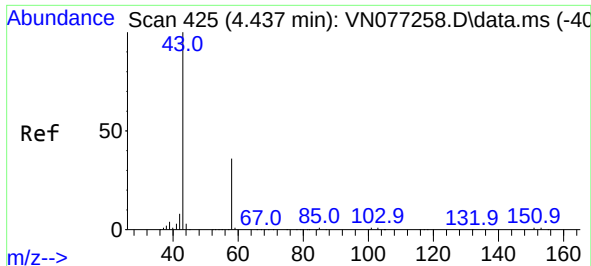
Tgt Ion: 59 Resp: 2000
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.397 ug/l
RT: 4.201 min Scan# 385
Delta R.T. 0.017 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

Tgt Ion: 56 Resp: 619
Ion Ratio Lower Upper
56 100
55 80.1 54.2 81.2

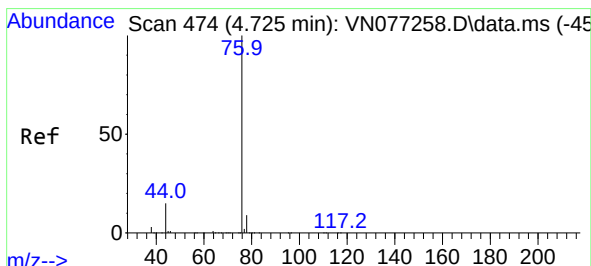
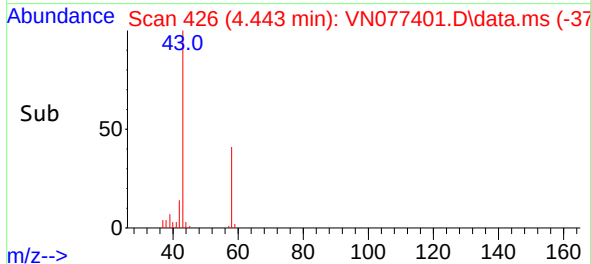
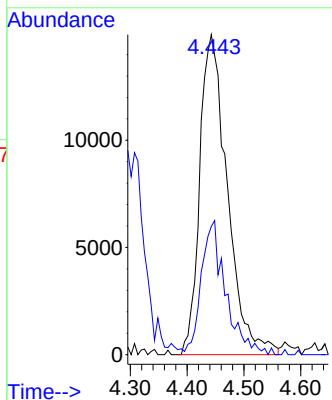
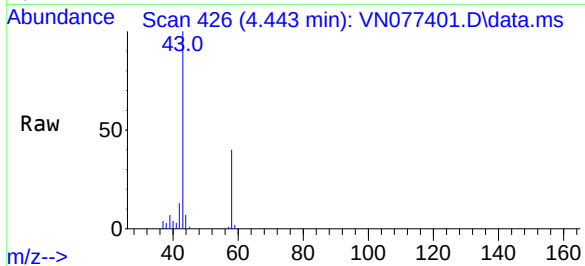




#16
Acetone
Concen: 16.942 ug/l
RT: 4.443 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

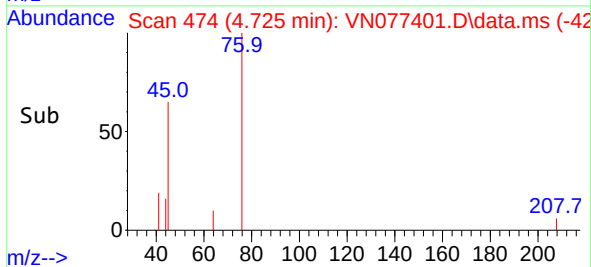
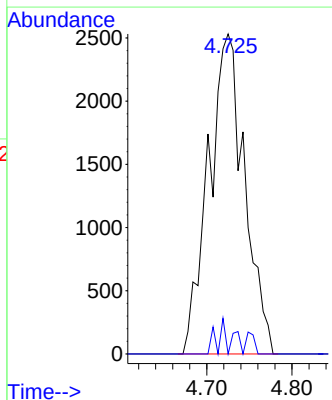
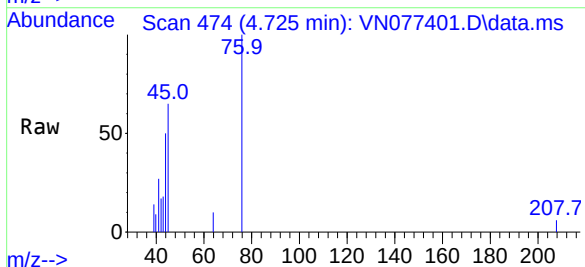
Instrument :
MSVOA_N
ClientSampleId :
SPB-5WC-23-04-17

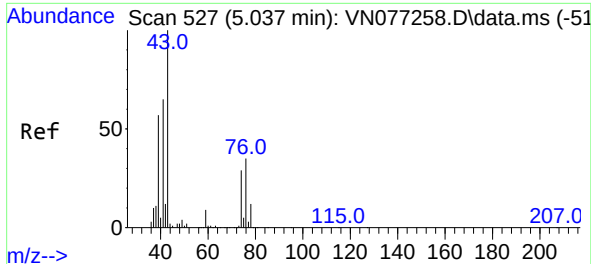
Tgt Ion: 43 Resp: 50407
Ion Ratio Lower Upper
43 100
58 40.1 29.0 43.6



#17
Carbon Disulfide
Concen: 0.397 ug/l
RT: 4.725 min Scan# 474
Delta R.T. -0.000 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

Tgt Ion: 76 Resp: 7404
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#





#18

Methyl Acetate

Concen: 1.026 ug/l

RT: 5.037 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN077401.D

Acq: 20 Apr 2023 15:34

Instrument :

MSVOA_N

ClientSampleId :

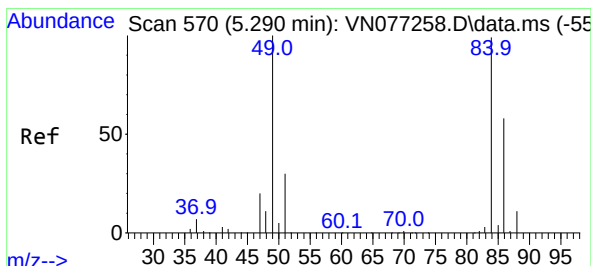
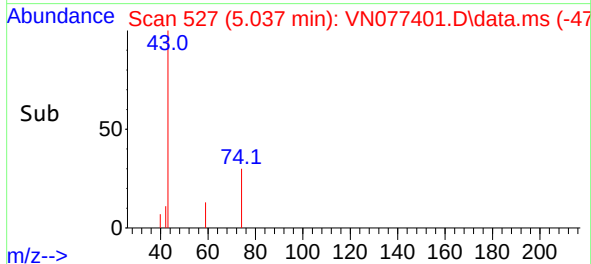
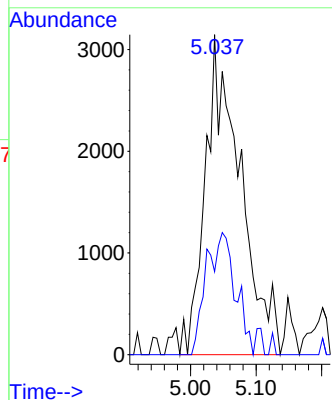
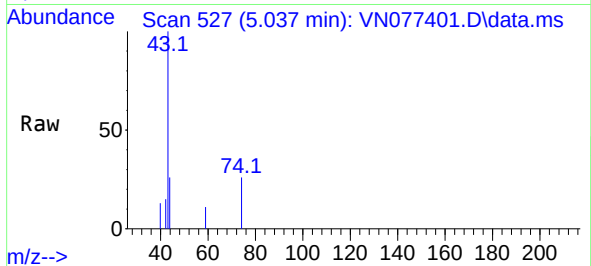
SPB-5WC-23-04-17

Tgt Ion: 43 Resp: 11629

Ion Ratio Lower Upper

43 100

74 31.9 23.4 35.2



#20

Methylene Chloride

Concen: 4.810 ug/l

RT: 5.290 min Scan# 570

Delta R.T. -0.000 min

Lab File: VN077401.D

Acq: 20 Apr 2023 15:34

Tgt Ion: 84 Resp: 40415

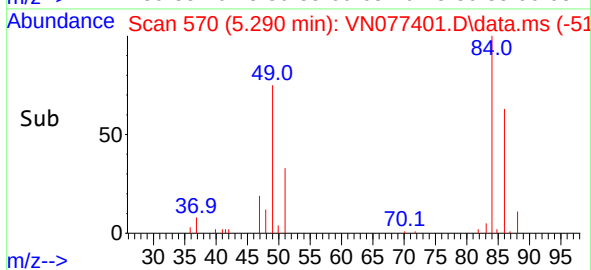
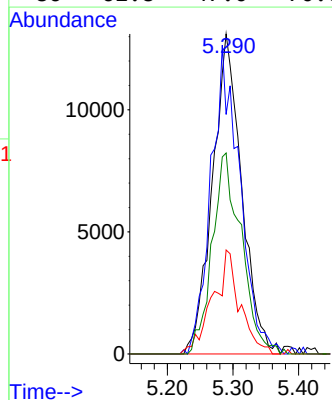
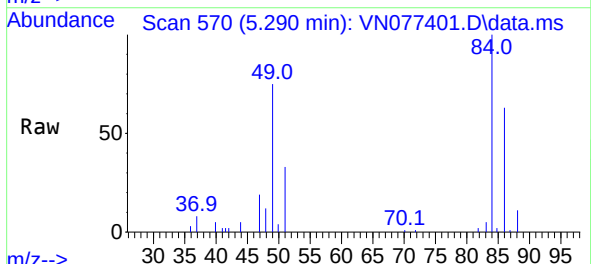
Ion Ratio Lower Upper

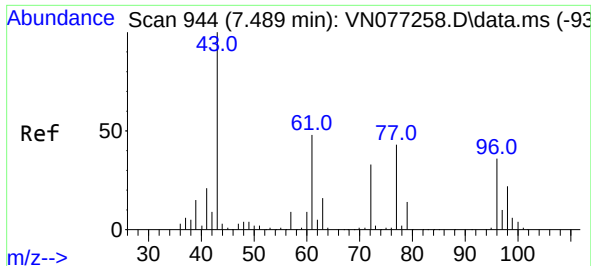
84 100

49 74.9 80.6 121.0#

51 32.5 24.4 36.6

86 62.8 47.0 70.6

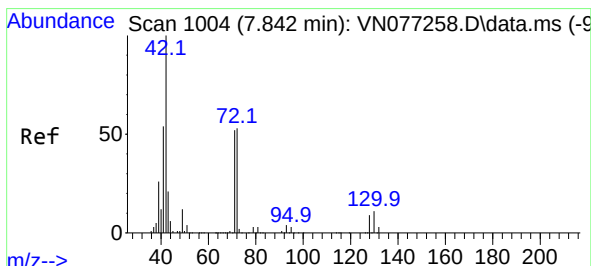
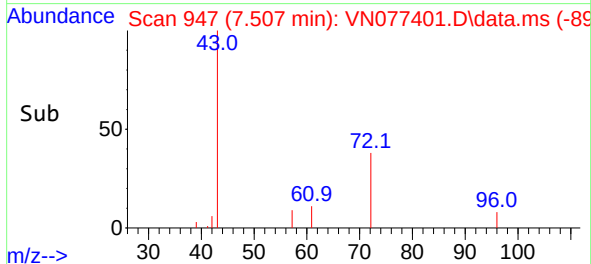
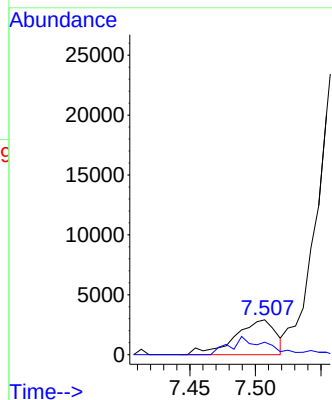
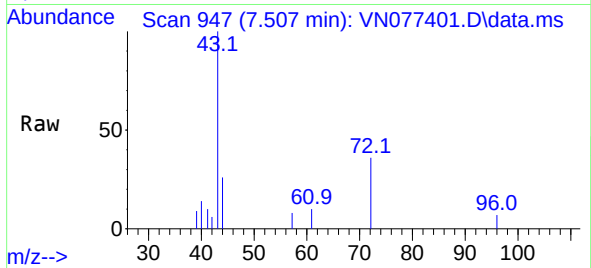




#25
2-Butanone
Concen: 1.296 ug/l
RT: 7.507 min Scan# 94
Delta R.T. 0.018 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

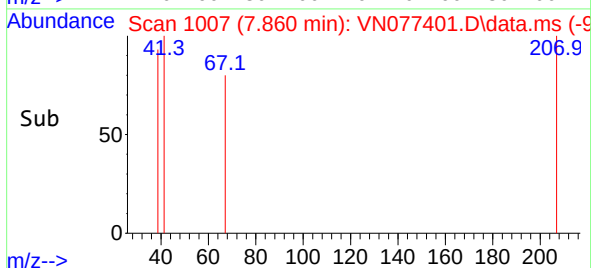
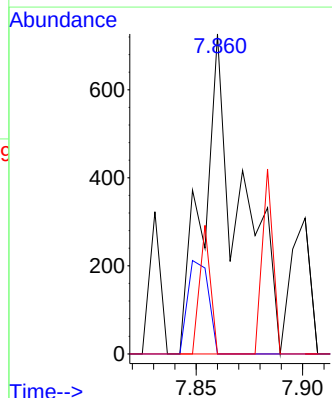
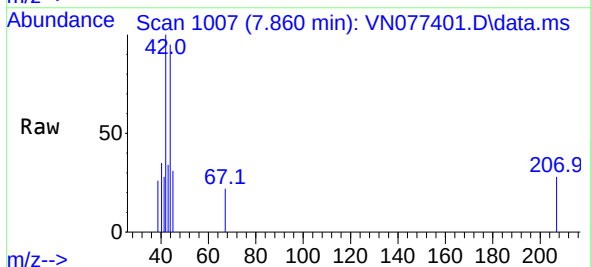
Instrument :
MSVOA_N
ClientSampleId :
SPB-5WC-23-04-17

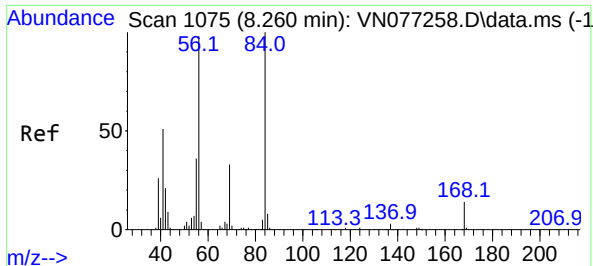
Tgt Ion: 43 Resp: 6259
Ion Ratio Lower Upper
43 100
72 36.1 26.6 39.8



#29
Tetrahydrofuran
Concen: 0.292 ug/l
RT: 7.860 min Scan# 1007
Delta R.T. 0.018 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

Tgt Ion: 42 Resp: 906
Ion Ratio Lower Upper
42 100
72 15.9 44.6 66.8#
71 11.4 41.3 61.9#

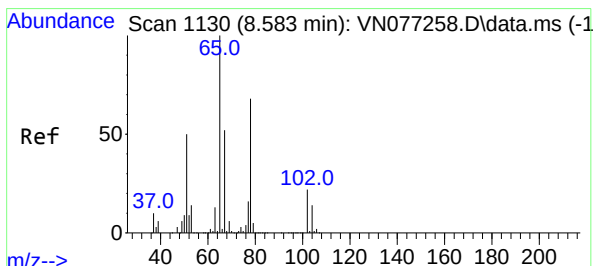
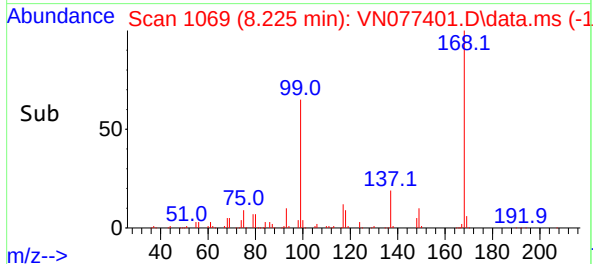
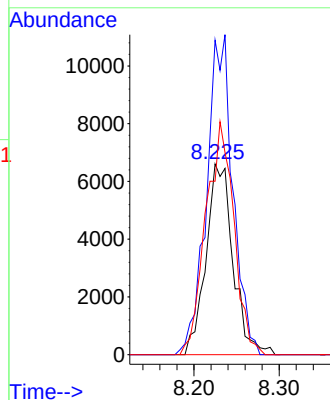
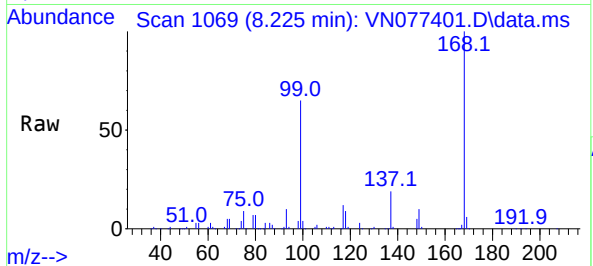




#31
Cyclohexane
Concen: 1.163 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

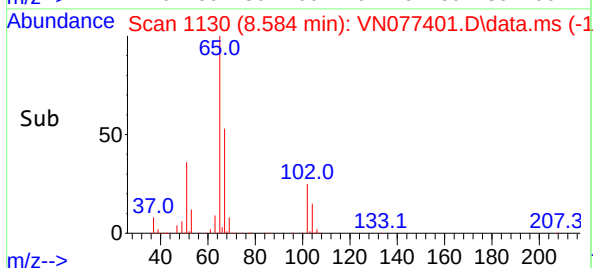
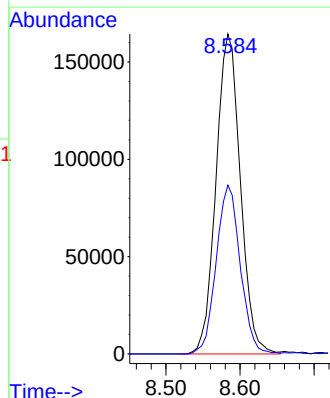
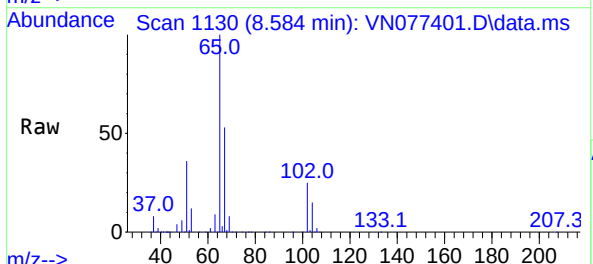
Instrument :
MSVOA_N
ClientSampleId :
SPB-5WC-23-04-17

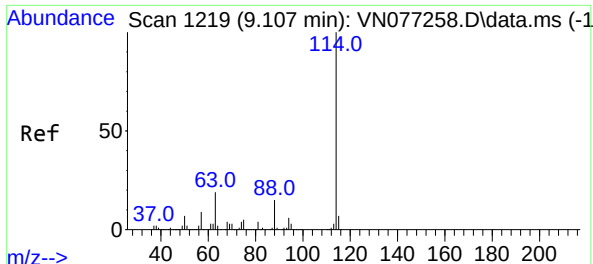
Tgt Ion: 56 Resp: 14588
Ion Ratio Lower Upper
56 100
69 164.8 26.6 40.0#
84 90.9 81.8 122.8



#33
1,2-Dichloroethane-d4
Concen: 46.494 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

Tgt Ion: 65 Resp: 375194
Ion Ratio Lower Upper
65 100
67 52.1 0.0 108.8

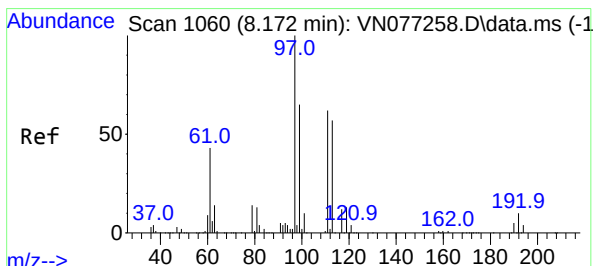
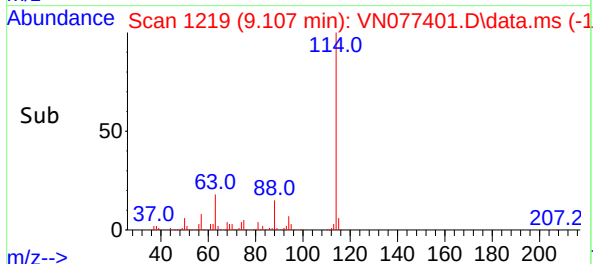
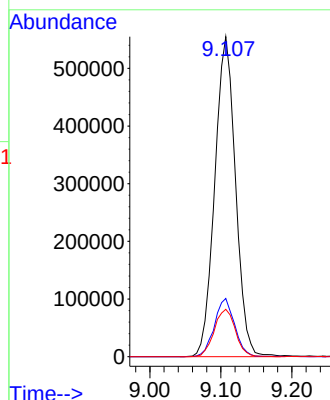
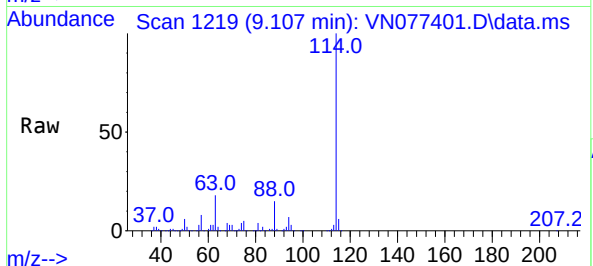




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

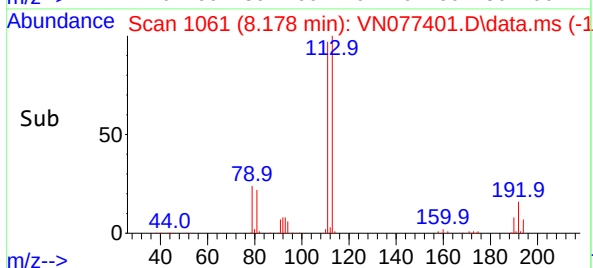
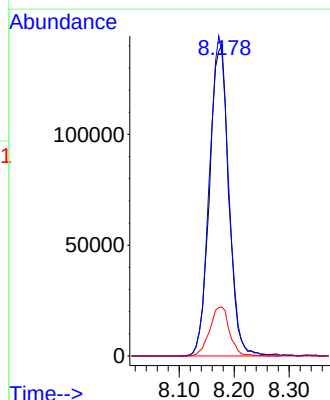
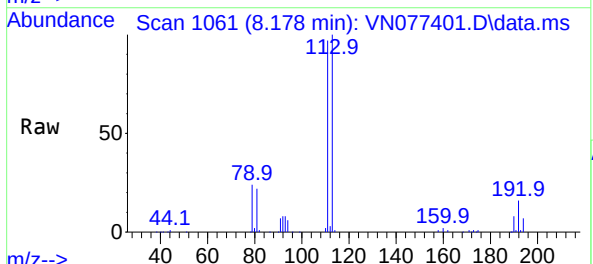
Instrument :
MSVOA_N
ClientSampleId :
SPB-5WC-23-04-17

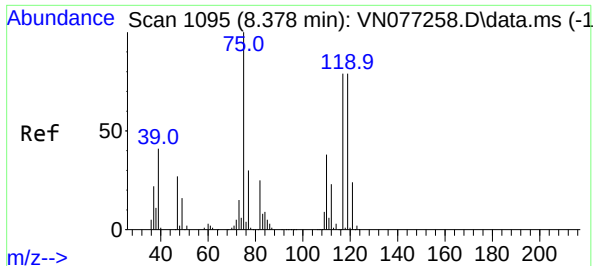
Tgt Ion:114 Resp: 1124653
Ion Ratio Lower Upper
114 100
63 18.2 0.0 37.8
88 14.8 0.0 29.4



#35
Dibromofluoromethane
Concen: 47.439 ug/l
RT: 8.178 min Scan# 1061
Delta R.T. 0.006 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

Tgt Ion:113 Resp: 341544
Ion Ratio Lower Upper
113 100
111 102.5 83.4 125.0
192 16.2 13.5 20.3

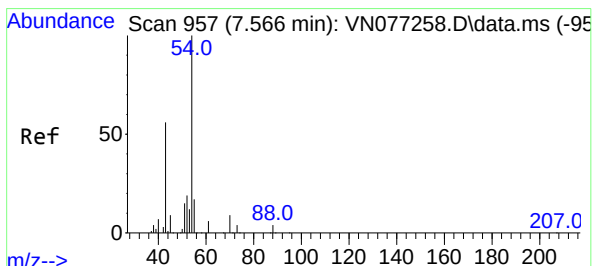
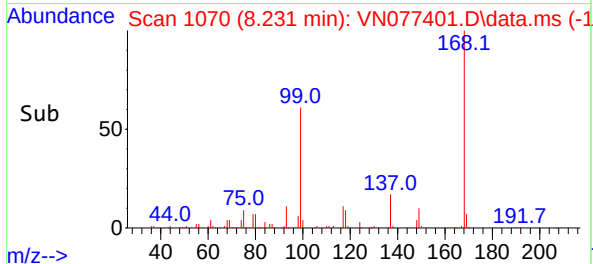
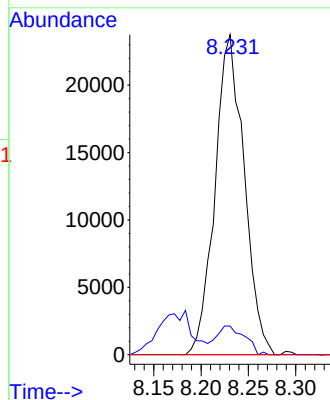
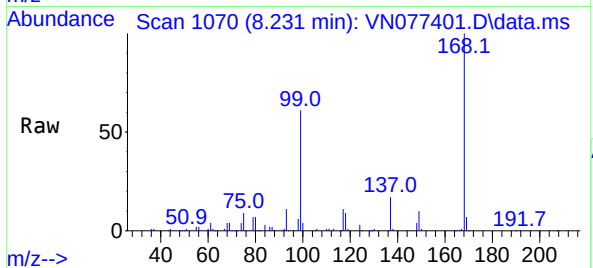




#36
1,1-Dichloropropene
Concen: 4.772 ug/l
RT: 8.231 min Scan# 11
Delta R.T. -0.147 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

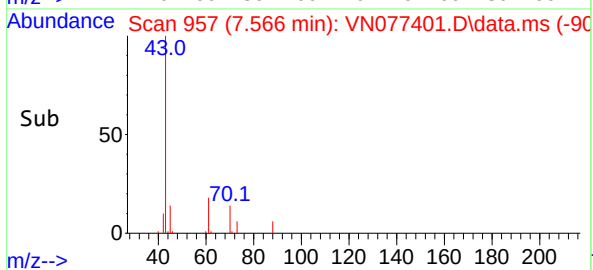
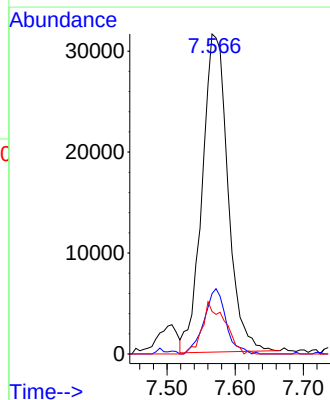
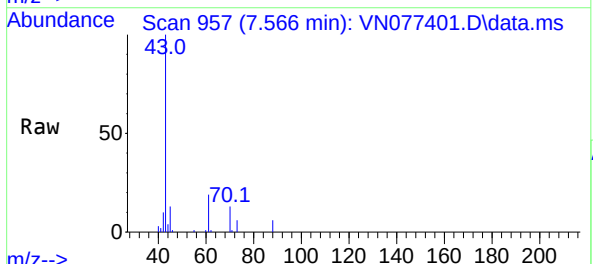
Instrument :
MSVOA_N
ClientSampleId :
SPB-5WC-23-04-17

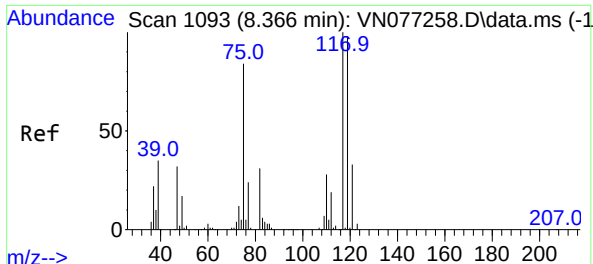
Tgt Ion: 75 Resp: 50809
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 8.684 ug/l
RT: 7.566 min Scan# 957
Delta R.T. -0.000 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

Tgt Ion: 43 Resp: 82735
Ion Ratio Lower Upper
43 100
61 17.4 12.2 18.2
70 14.6 10.0 15.0

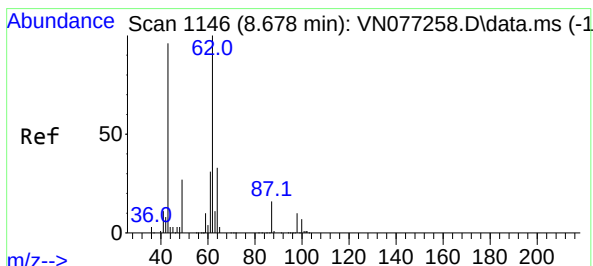
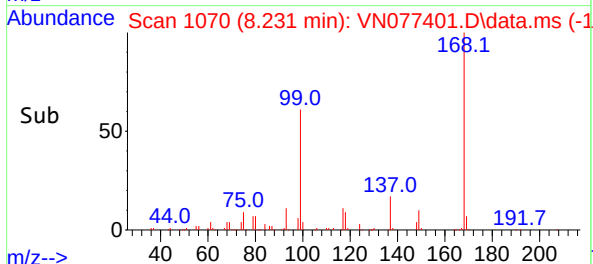
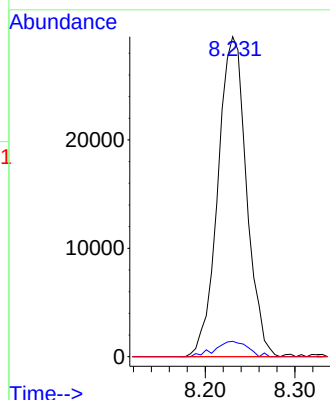
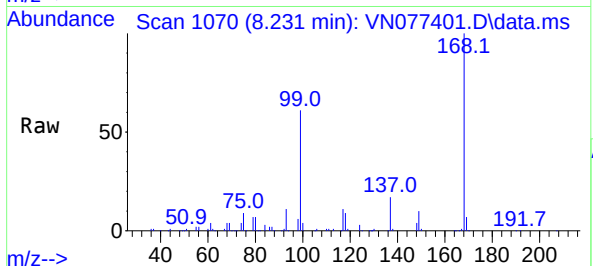




#38
Carbon Tetrachloride
Concen: 5.981 ug/l
RT: 8.231 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

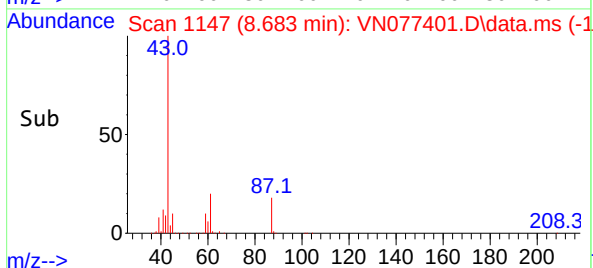
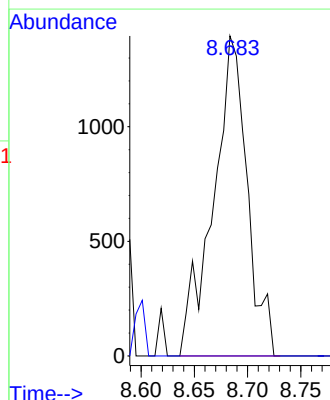
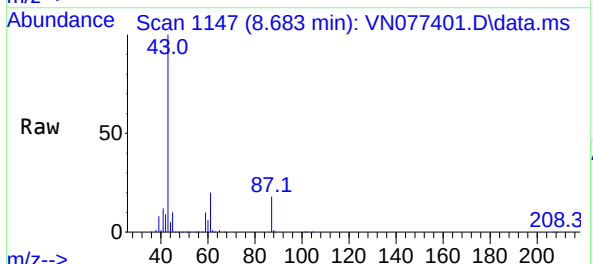
Instrument :
MSVOA_N
ClientSampleId :
SPB-5WC-23-04-17

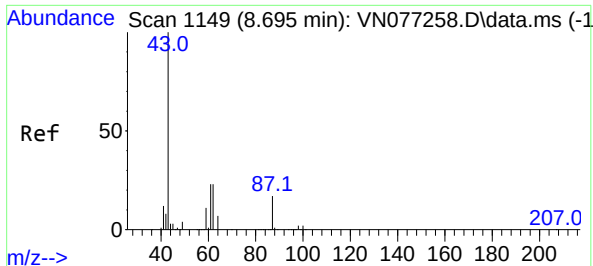
Tgt Ion:117 Resp: 65249
Ion Ratio Lower Upper
117 100
119 4.8 78.5 117.7#
121 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.303 ug/l
RT: 8.683 min Scan# 1147
Delta R.T. 0.005 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

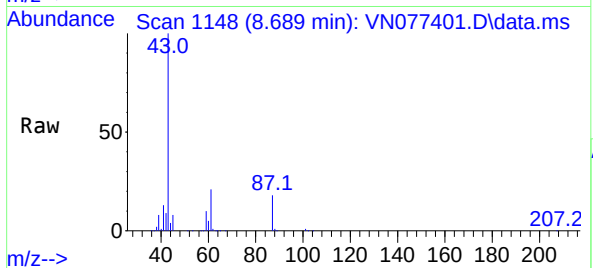
Tgt Ion: 62 Resp: 3102
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2



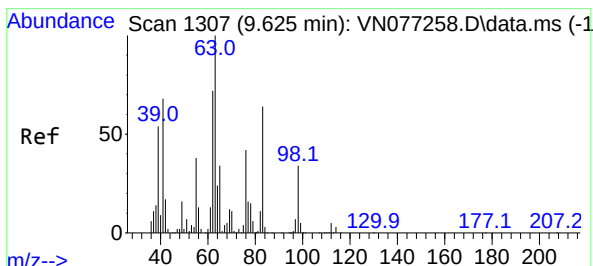
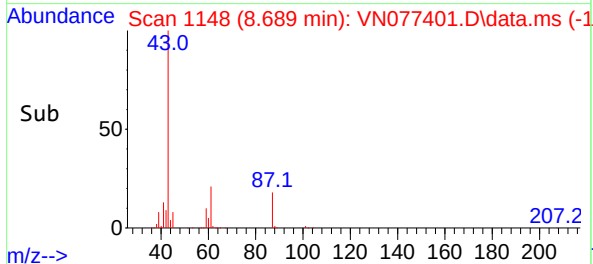
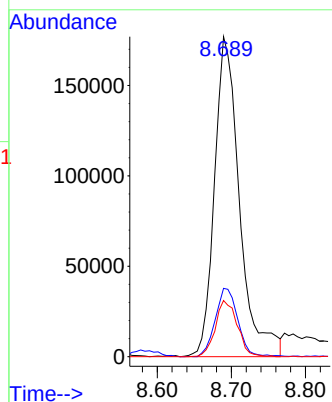


#43
Isopropyl Acetate
Concen: 23.622 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. -0.006 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

Instrument :
MSVOA_N
ClientSampleId :
SPB-5WC-23-04-17

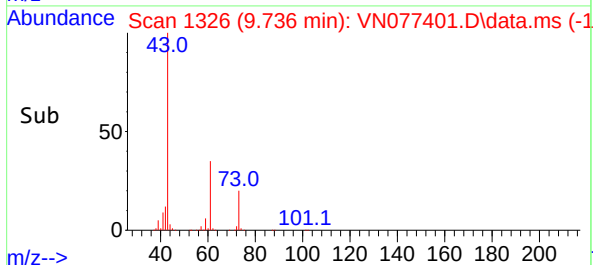
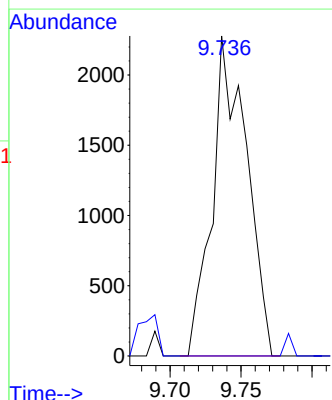
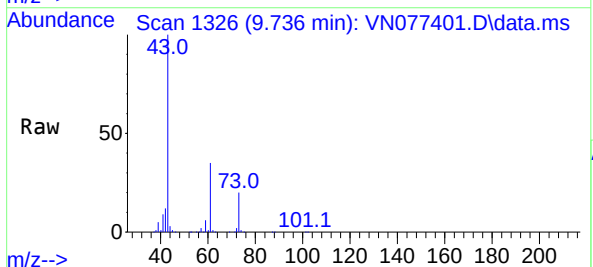


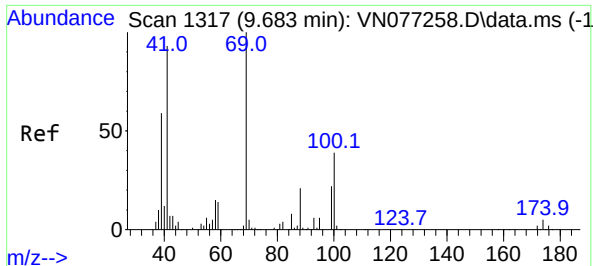
Tgt Ion: 43 Resp: 415267
Ion Ratio Lower Upper
43 100
61 19.4 22.7 34.1#
87 15.4 13.6 20.4



#45
1,2-Dichloropropane
Concen: 0.487 ug/l
RT: 9.736 min Scan# 1326
Delta R.T. 0.111 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

Tgt Ion: 63 Resp: 3840
Ion Ratio Lower Upper
63 100
65 0.0 27.1 40.7#

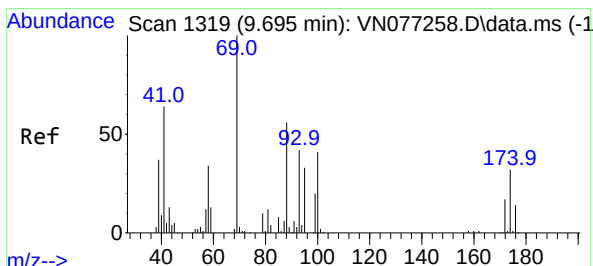
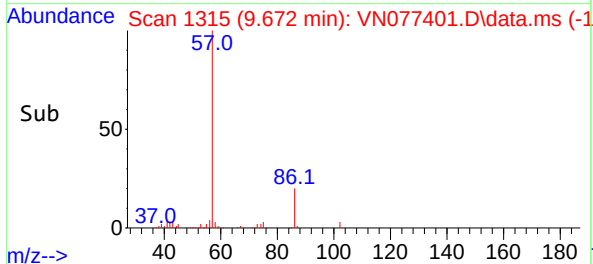
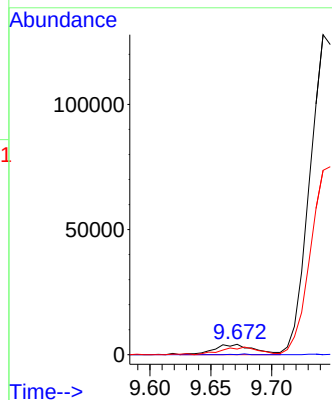
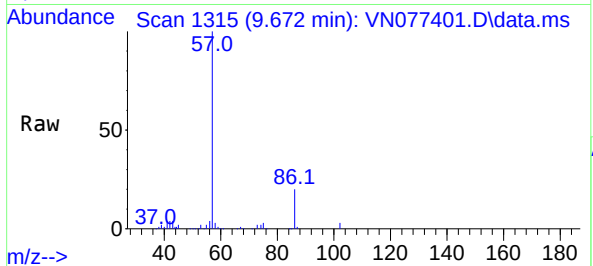




#48
Methyl methacrylate
Concen: 1.272 ug/l
RT: 9.672 min Scan# 1315
Delta R.T. -0.011 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

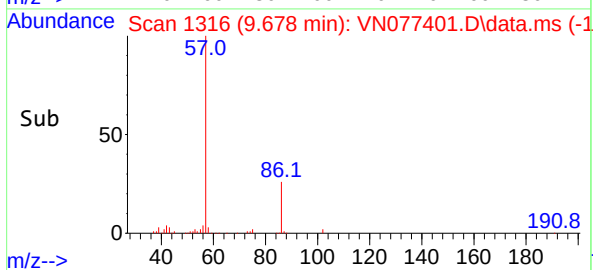
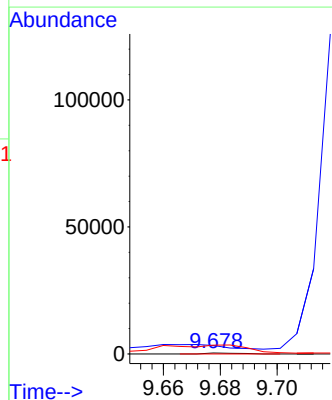
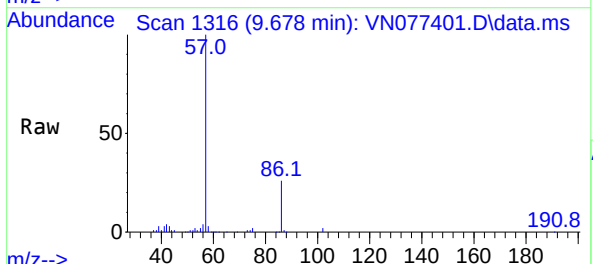
Instrument :
MSVOA_N
ClientSampleId :
SPB-5WC-23-04-17

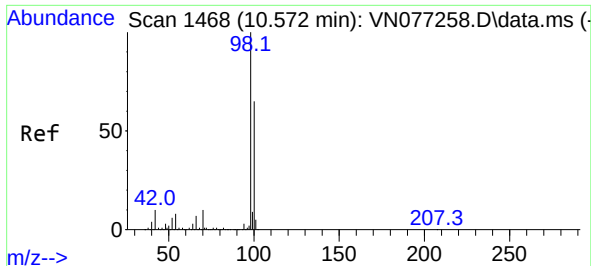
Tgt Ion: 41 Resp: 9538
Ion Ratio Lower Upper
41 100
69 1.8 85.0 127.6#
39 70.5 53.5 80.3



#49
1,4-Dioxane
Concen: 1.562 ug/l
RT: 9.678 min Scan# 1316
Delta R.T. -0.017 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

Tgt Ion: 88 Resp: 284
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 2989.1 49.8 74.6#

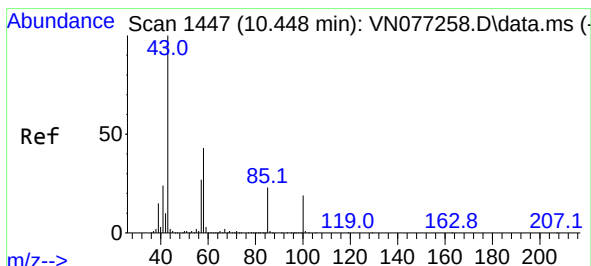
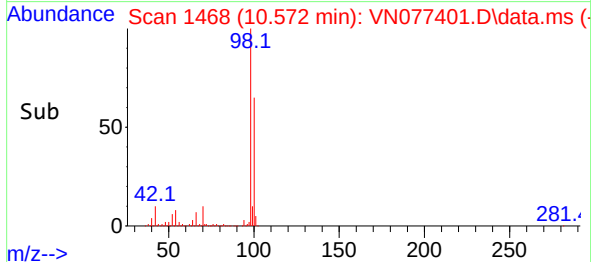
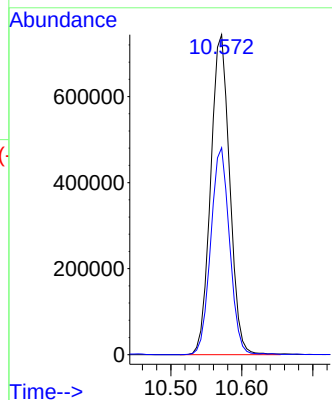
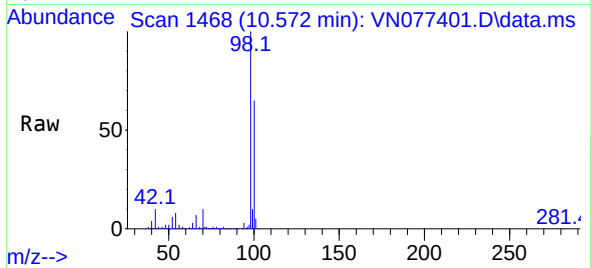




#50
Toluene-d8
Concen: 47.717 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

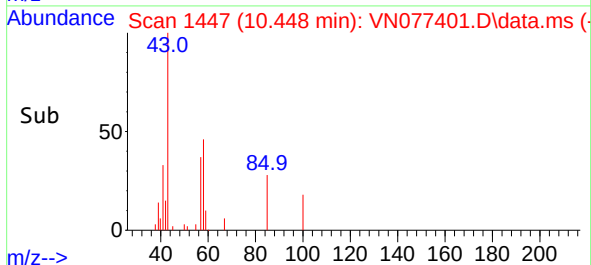
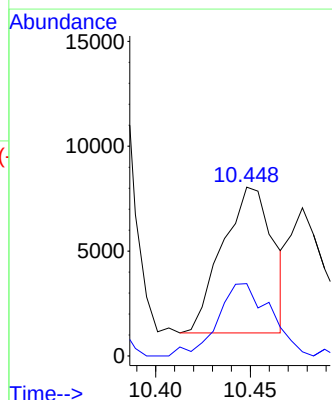
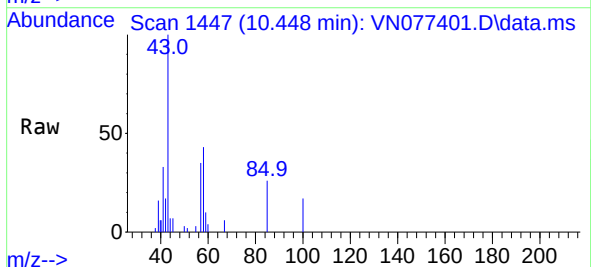
Instrument :
MSVOA_N
ClientSampleId :
SPB-5WC-23-04-17

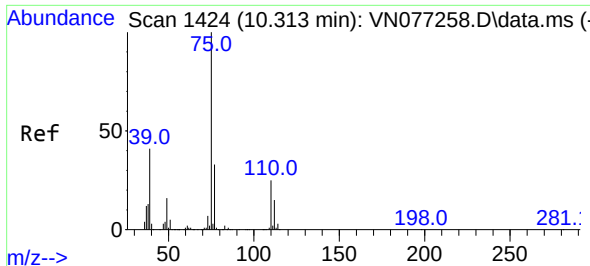
Tgt Ion: 98 Resp: 1383001
Ion Ratio Lower Upper
98 100
100 64.1 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 1.277 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

Tgt Ion: 43 Resp: 12976
Ion Ratio Lower Upper
43 100
58 51.7 34.6 52.0

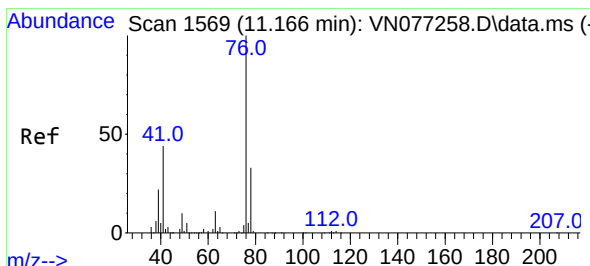
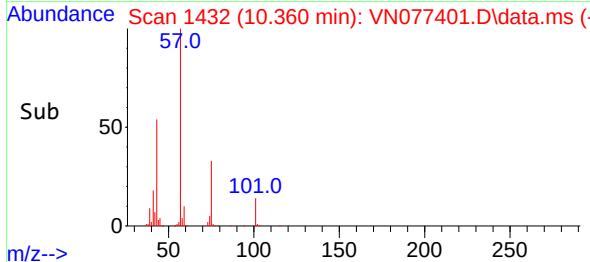
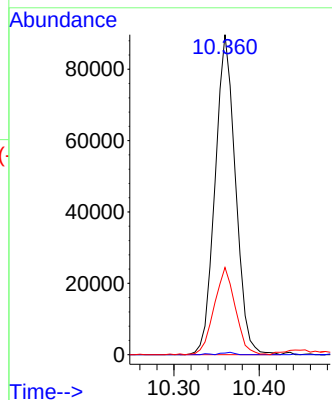
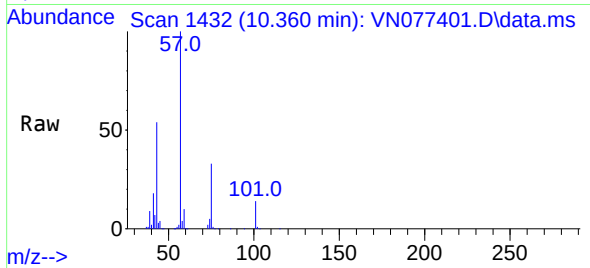




#54
cis-1,3-Dichloropropene
Concen: 10.855 ug/l
RT: 10.360 min Scan# 1424
Delta R.T. 0.047 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

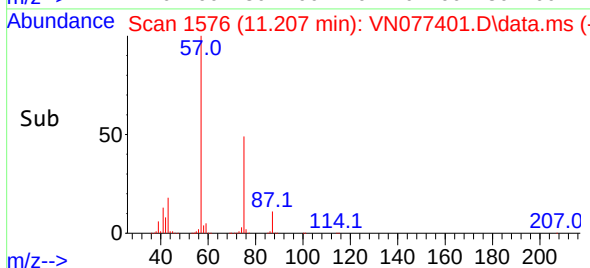
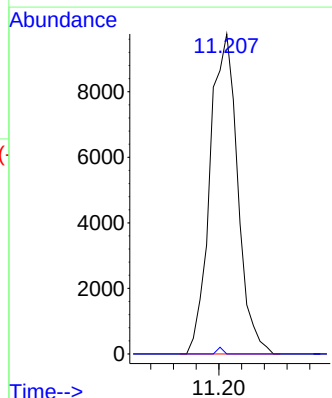
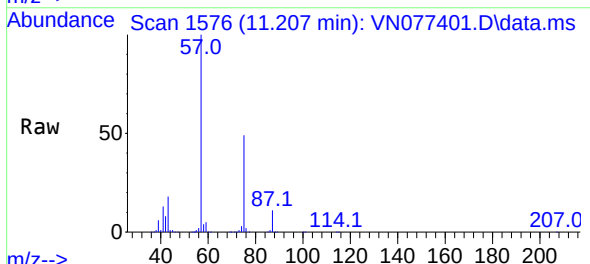
Instrument :
MSVOA_N
ClientSampleId :
SPB-5WC-23-04-17

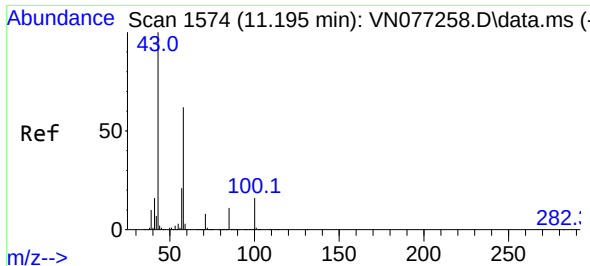
Tgt Ion:	75	Resp:	149151
Ion	Ratio	Lower	Upper
75	100		
77	0.5	26.7	40.1#
39	27.0	32.8	49.2#



#57
1,3-Dichloropropane
Concen: 1.169 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.041 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

Tgt Ion:	76	Resp:	16487
Ion	Ratio	Lower	Upper
76	100		
78	0.4	26.2	39.4#

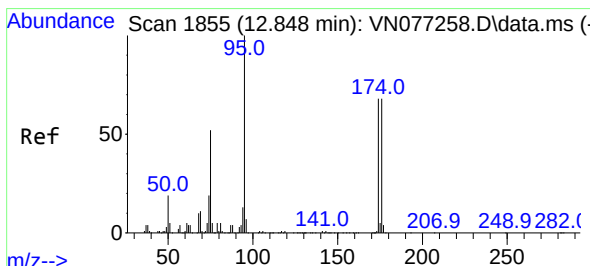
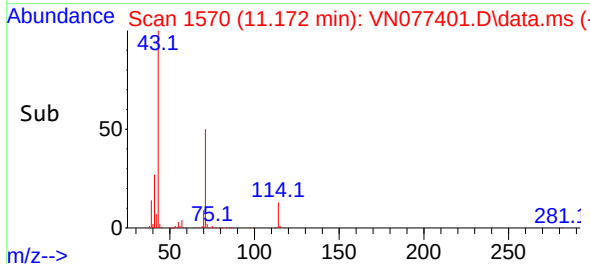
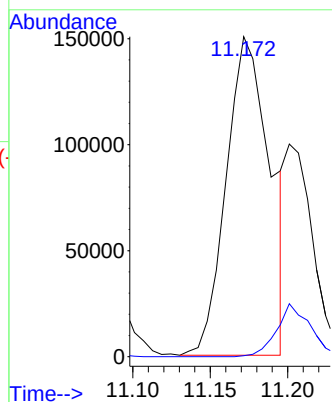
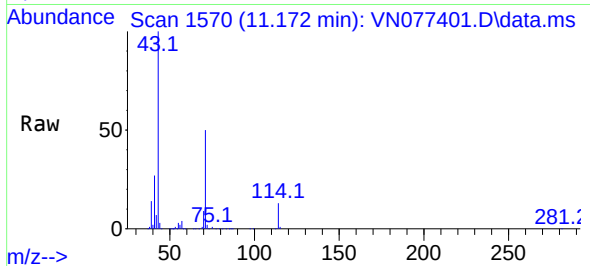




#59
2-Hexanone
Concen: 38.986 ug/l
RT: 11.172 min Scan# 111
Delta R.T. -0.023 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

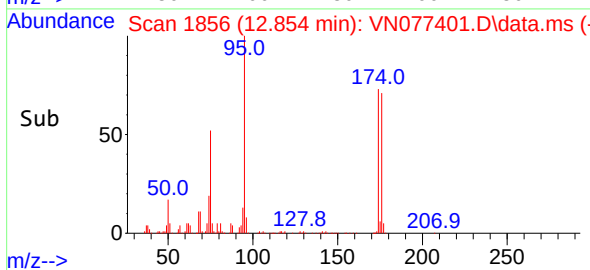
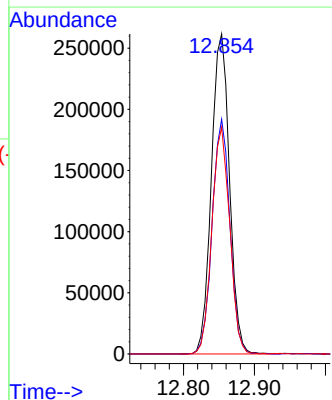
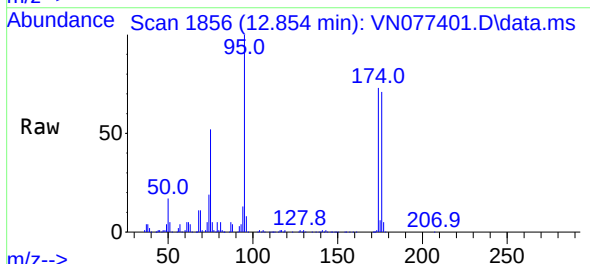
Instrument :
MSVOA_N
ClientSampleId :
SPB-5WC-23-04-17

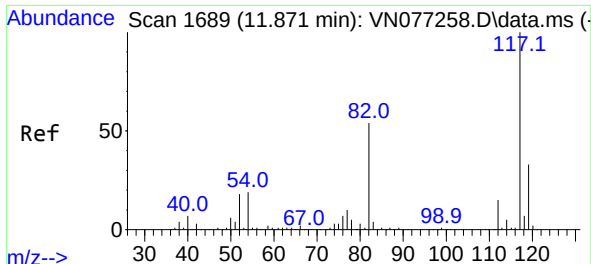
Tgt Ion: 43 Resp: 295136
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 47.967 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

Tgt Ion: 95 Resp: 462383
Ion Ratio Lower Upper
95 100
174 71.8 0.0 146.8
176 69.7 0.0 139.6

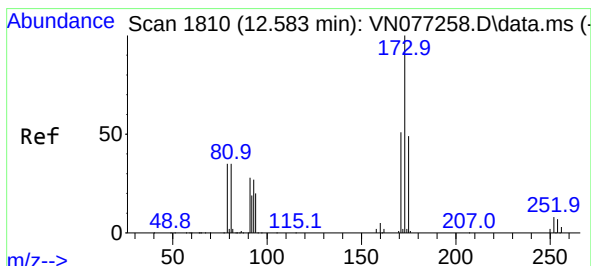
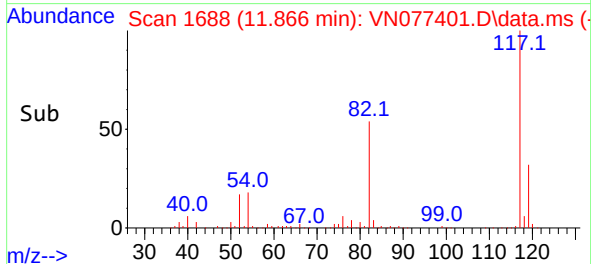
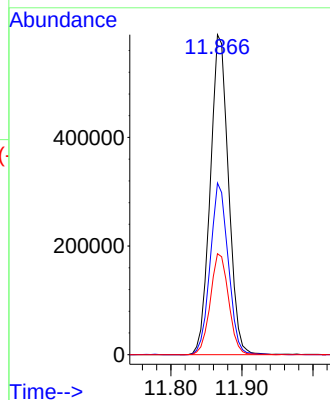
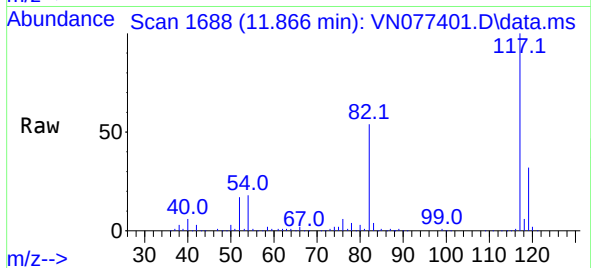




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

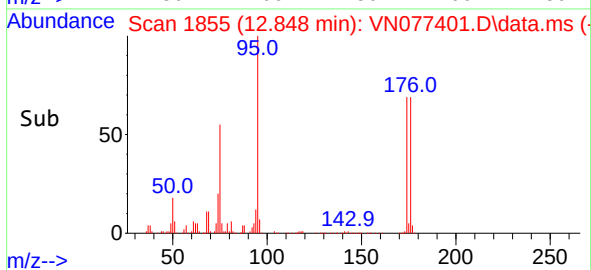
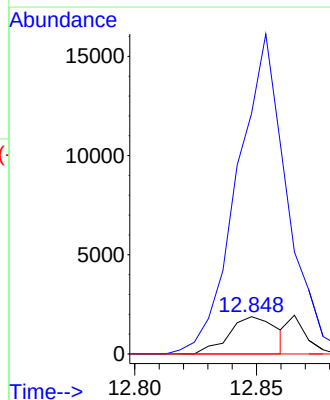
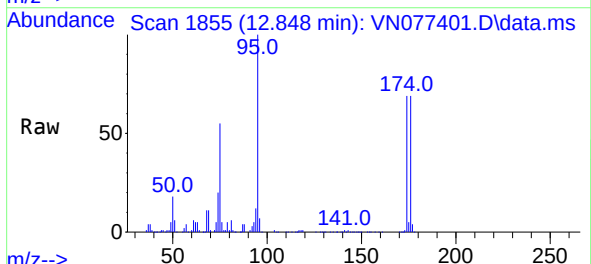
Instrument :
MSVOA_N
ClientSampleId :
SPB-5WC-23-04-17

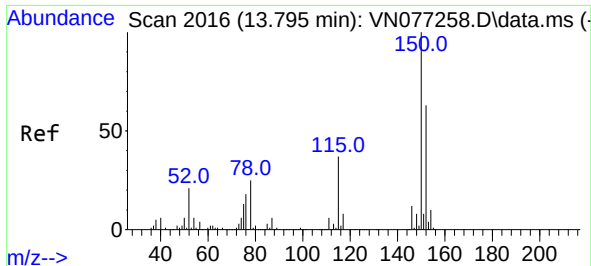
Tgt Ion:117 Resp: 1047720
Ion Ratio Lower Upper
117 100
82 53.6 42.9 64.3
119 31.5 26.2 39.4



#71
Bromoform
Concen: 0.415 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.265 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

Tgt Ion:173 Resp: 2552
Ion Ratio Lower Upper
173 100
175 763.2 24.1 72.4#
254 0.0 0.1 0.1#

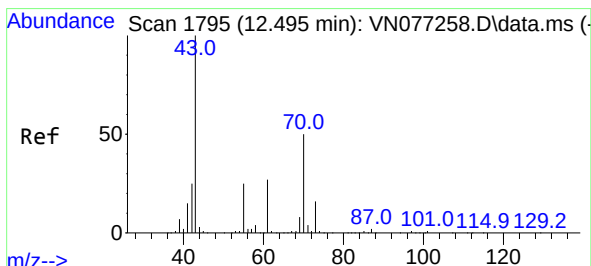
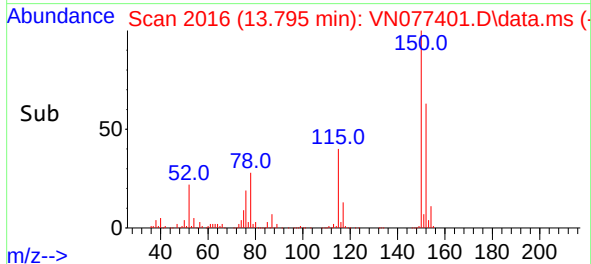
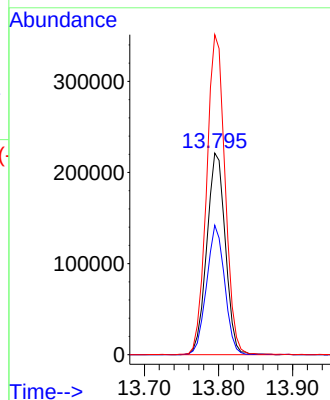
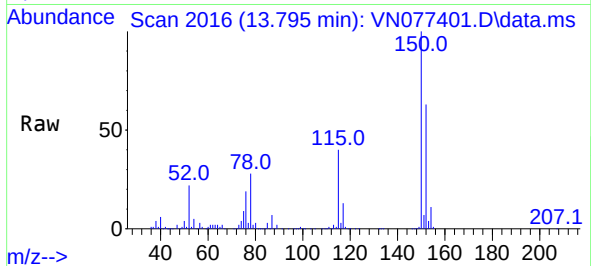




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

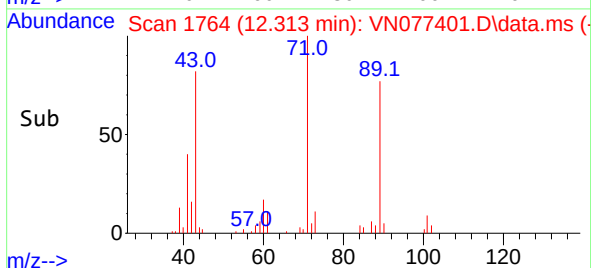
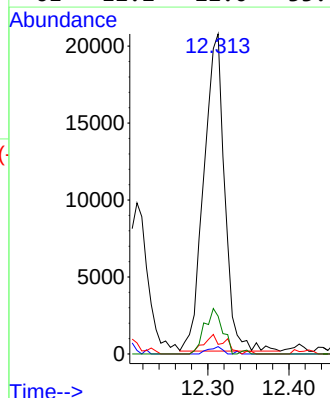
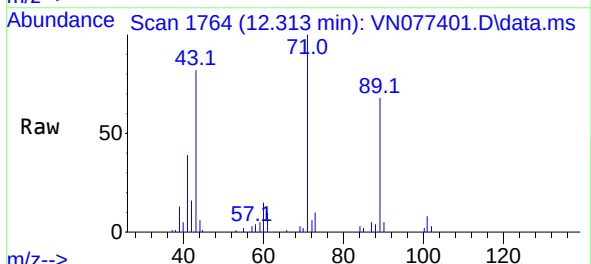
Instrument :
MSVOA_N
ClientSampleId :
SPB-5WC-23-04-17

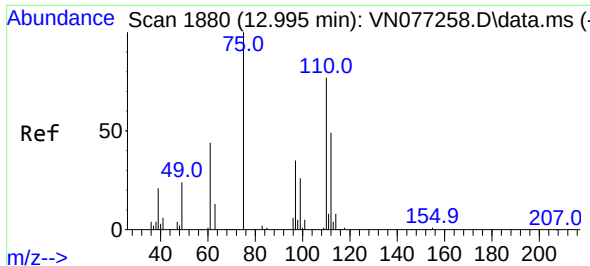
Tgt Ion:152 Resp: 384726
Ion Ratio Lower Upper
152 100
115 62.6 32.1 96.3
150 157.6 0.0 354.8



#74
N-ethyl acetate
Concen: 2.599 ug/l
RT: 12.313 min Scan# 1764
Delta R.T. -0.182 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

Tgt Ion: 43 Resp: 36800
Ion Ratio Lower Upper
43 100
70 1.5 41.0 61.6#
55 6.1 19.3 28.9#
61 12.2 22.0 33.0#

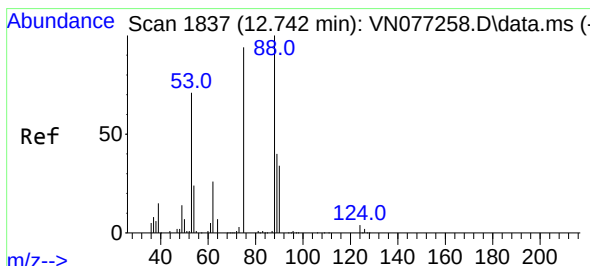
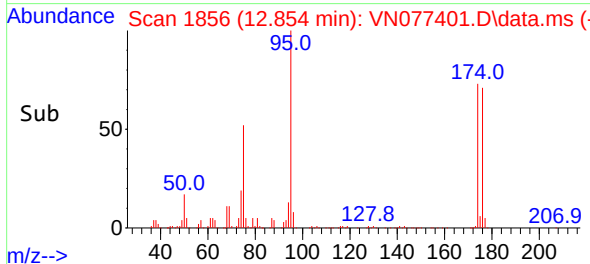
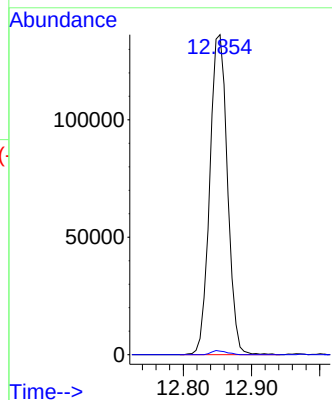
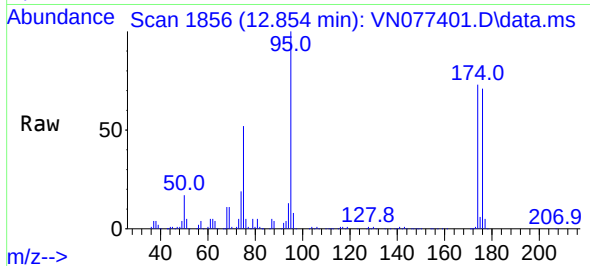




#76
1,2,3-Trichloropropane
Concen: 26.819 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

Instrument :
MSVOA_N
ClientSampleId :
SPB-5WC-23-04-17

Tgt Ion: 75 Resp: 245703
Ion Ratio Lower Upper
75 100
77 1.1 88.3 264.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.353 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077401.D
Acq: 20 Apr 2023 15:34

Tgt Ion: 75 Resp: 245703
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#

