

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042023\
 Data File : VN077406.D
 Acq On : 20 Apr 2023 17:35
 Operator : JC\MD
 Sample : 02390-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPC-3WC-23-04-17

Quant Time: Apr 21 02:41:11 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)

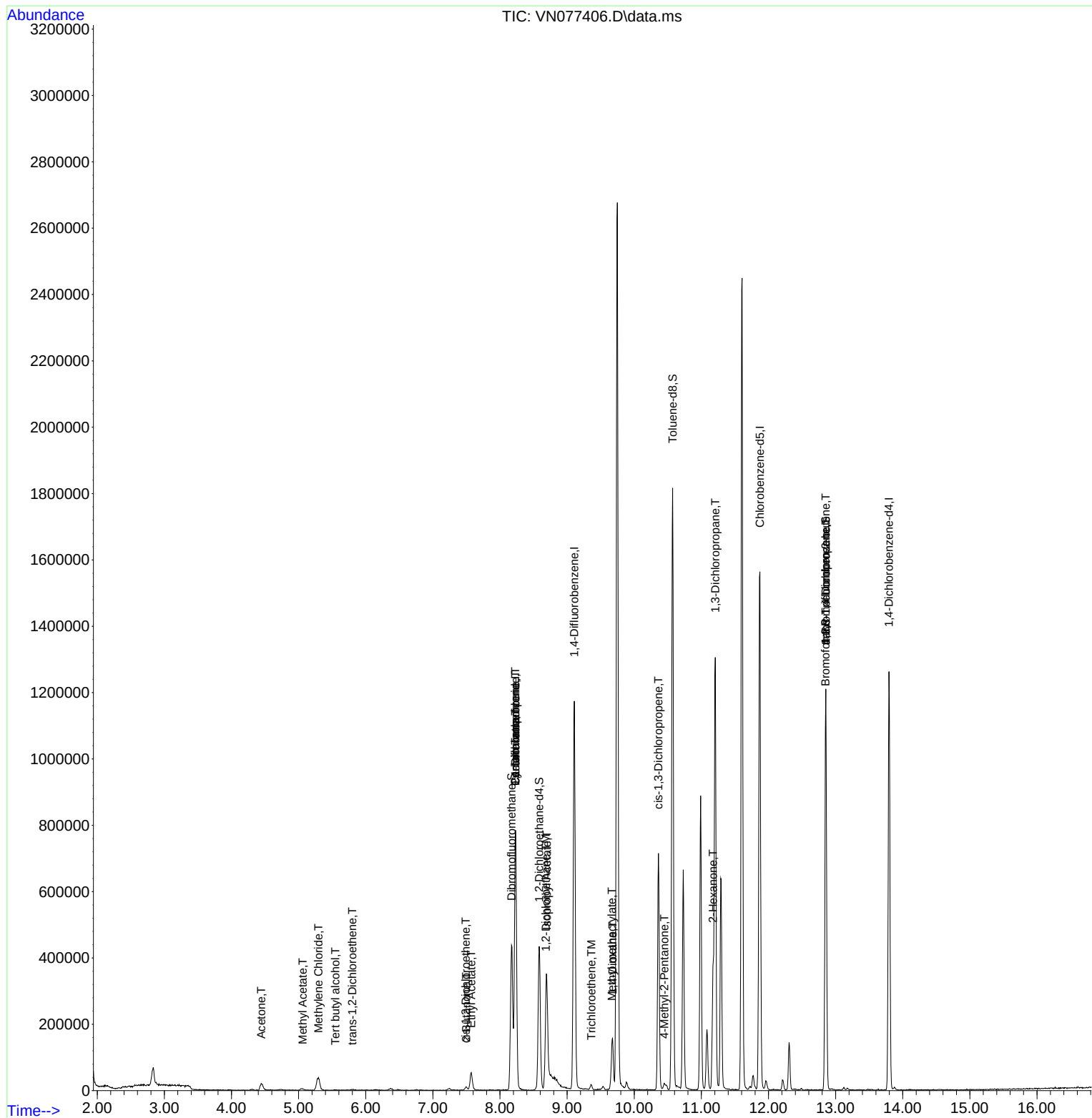
Internal Standards						
1) Pentafluorobenzene	8.230	168	573828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1052120	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	974766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	344080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	345502	44.054	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.100%		
35) Dibromofluoromethane	8.172	113	317271	47.105	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.220%		
50) Toluene-d8	10.571	98	1315391	48.513	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.020%		
62) 4-Bromofluorobenzene	12.854	95	422728	46.877	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.760%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.548	59	614	0.384	ug/l #	72
16) Acetone	4.442	43	36988	12.791	ug/l	98
18) Methyl Acetate	5.060	43	10927	0.992	ug/l #	60
20) Methylene Chloride	5.295	84	35798	4.384	ug/l	93
21) trans-1,2-Dichloroethene	5.801	96	1606	0.218	ug/l #	72
25) 2-Butanone	7.495	43	3059	0.652	ug/l #	82
27) cis-1,2-Dichloroethene	7.489	96	5108	0.568	ug/l	72
31) Cyclohexane	8.230	56	13605	1.116	ug/l #	45
36) 1,1-Dichloropropene	8.230	75	49575	4.977	ug/l #	47
37) Ethyl Acetate	7.572	43	75815	8.506	ug/l	97
38) Carbon Tetrachloride	8.230	117	62109	6.086	ug/l #	14
42) 1,2-Dichloroethane	8.683	62	17139	1.792	ug/l	99
43) Isopropyl Acetate	8.695	43	401947	24.440	ug/l #	88
44) Trichloroethene	9.360	130	4526	0.609	ug/l	94
48) Methyl methacrylate	9.666	41	9414	1.342	ug/l #	5
49) 1,4-Dioxane	9.677	88	223	1.311	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	14369	1.512	ug/l	87
54) cis-1,3-Dichloropropene	10.360	75	150735	11.727	ug/l #	62
57) 1,3-Dichloropropane	11.207	76	16942	1.285	ug/l #	42
59) 2-Hexanone	11.171	43	286892	40.509	ug/l #	20
71) Bromoform	12.848	173	1520	0.266	ug/l #	29
76) 1,2,3-Trichloropropane	12.854	75	226791	27.679	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	226791	62.288	ug/l #	13

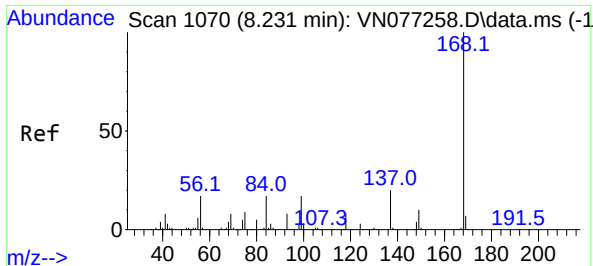
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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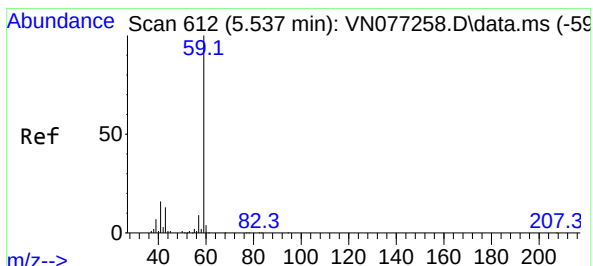
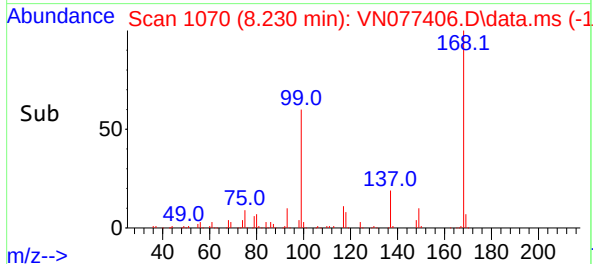
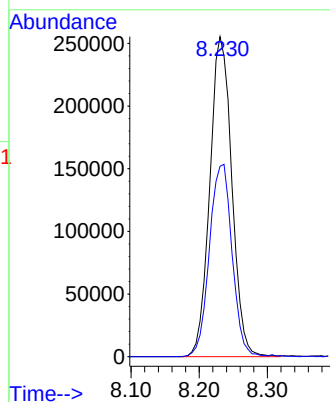
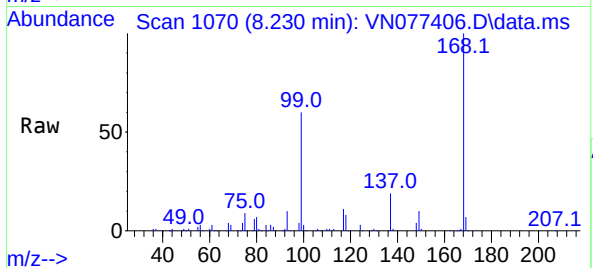




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

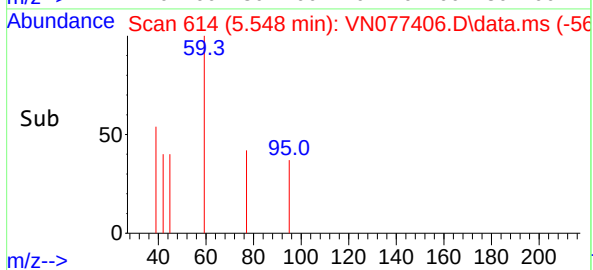
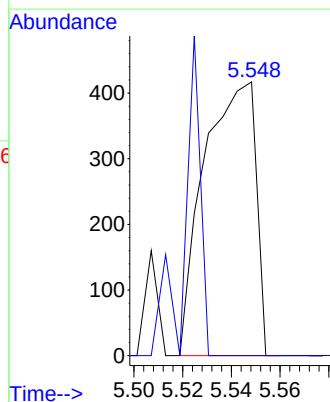
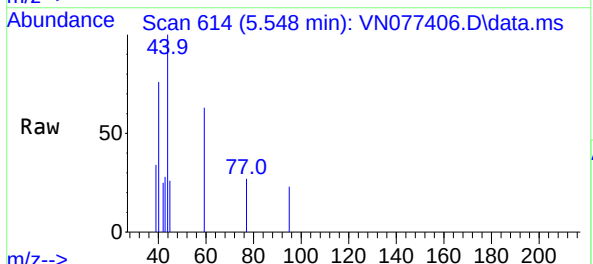
Instrument :
MSVOA_N
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SPC-3WC-23-04-17

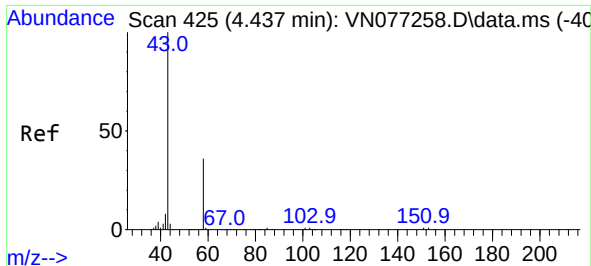
Tgt Ion:168 Resp: 573828
Ion Ratio Lower Upper
168 100
99 59.5 50.6 75.8



#11
Tert butyl alcohol
Concen: 0.384 ug/l
RT: 5.548 min Scan# 614
Delta R.T. 0.011 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

Tgt Ion: 59 Resp: 614
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

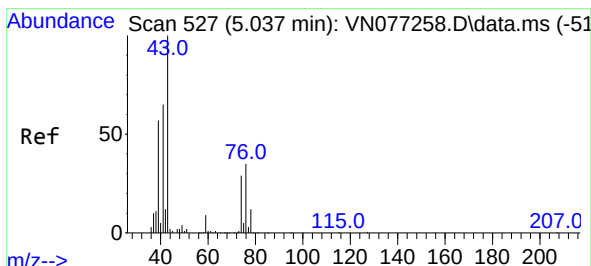
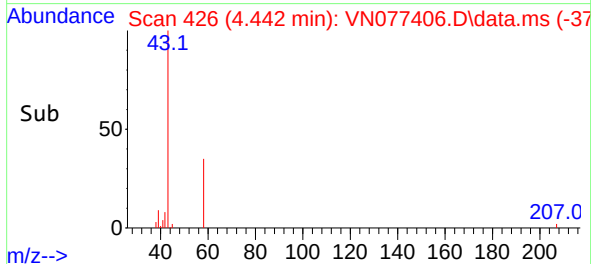
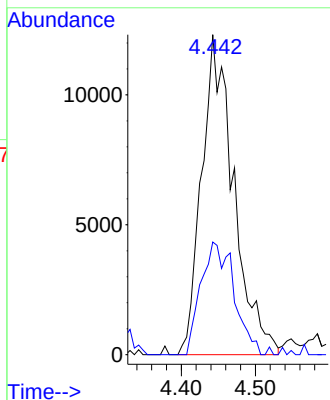
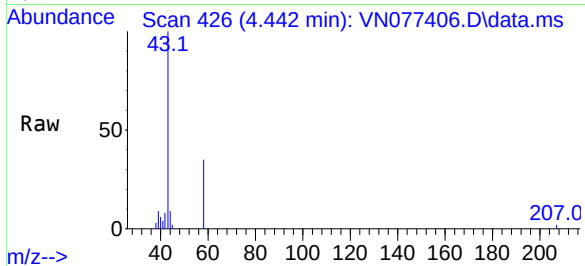




#16
Acetone
Concen: 12.791 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

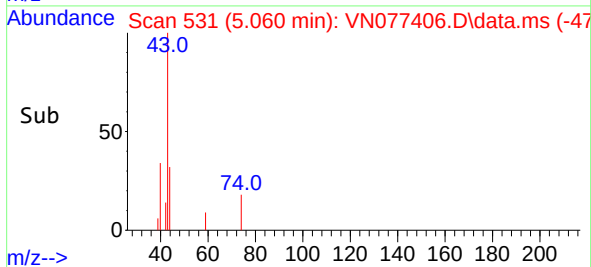
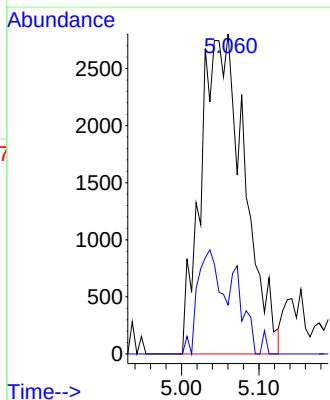
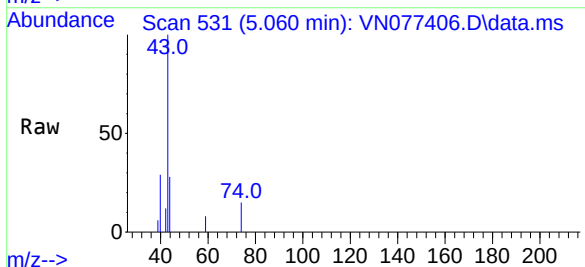
Instrument :
MSVOA_N
ClientSampleId :
SPC-3WC-23-04-17

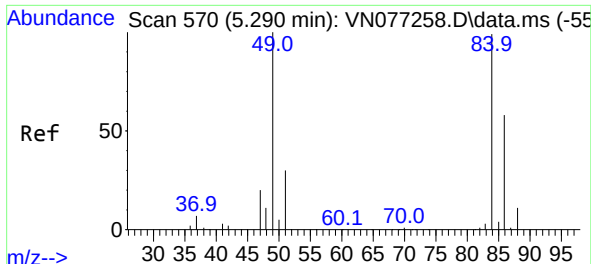
Tgt Ion: 43 Resp: 36988
Ion Ratio Lower Upper
43 100
58 35.2 29.0 43.6



#18
Methyl Acetate
Concen: 0.992 ug/l
RT: 5.060 min Scan# 531
Delta R.T. 0.023 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

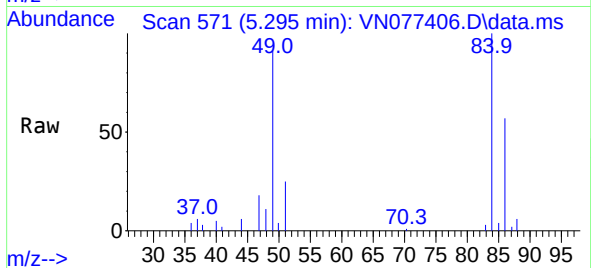
Tgt Ion: 43 Resp: 10927
Ion Ratio Lower Upper
43 100
74 8.0 23.4 35.2#





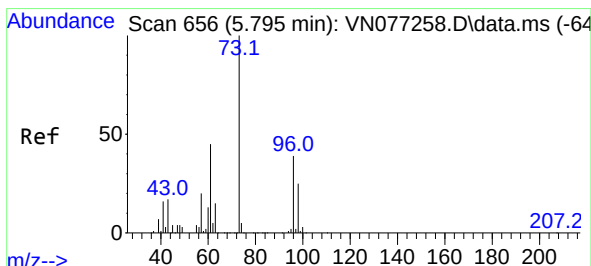
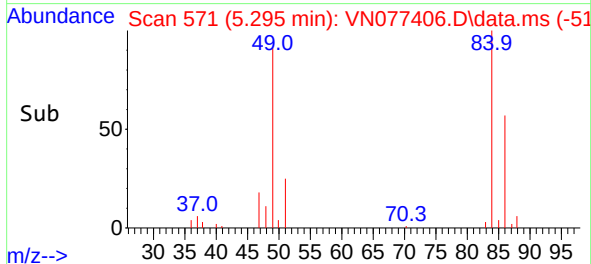
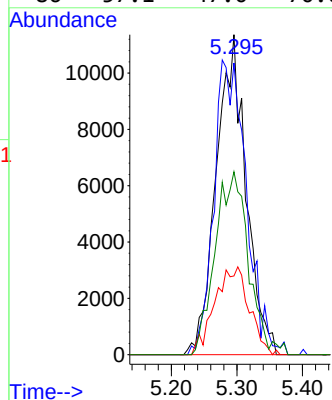
#20
Methylene Chloride
Concen: 4.384 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

Instrument :
MSVOA_N
ClientSampleId :
SPC-3WC-23-04-17



Tgt Ion: 84 Resp: 35798

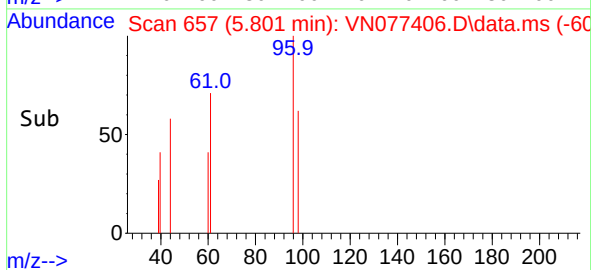
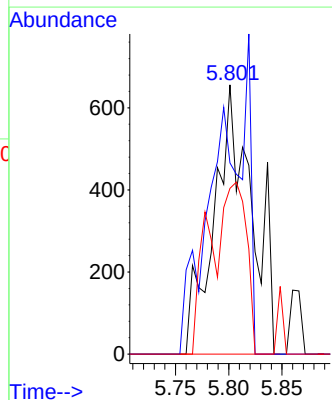
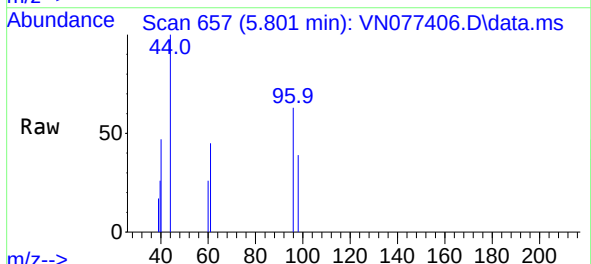
Ion	Ratio	Lower	Upper
84	100		
49	91.2	80.6	121.0
51	24.6	24.4	36.6
86	57.1	47.0	70.6

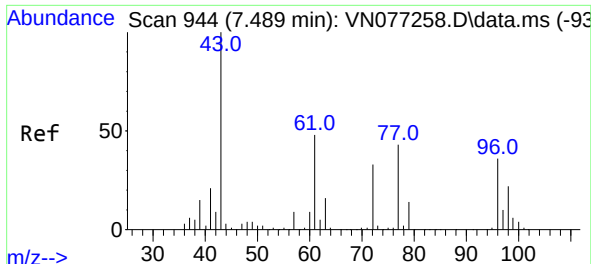


#21
trans-1,2-Dichloroethene
Concen: 0.218 ug/l
RT: 5.801 min Scan# 657
Delta R.T. 0.006 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

Tgt Ion: 96 Resp: 1606

Ion	Ratio	Lower	Upper
96	100		
61	71.0	93.8	140.6#
98	61.6	50.9	76.3

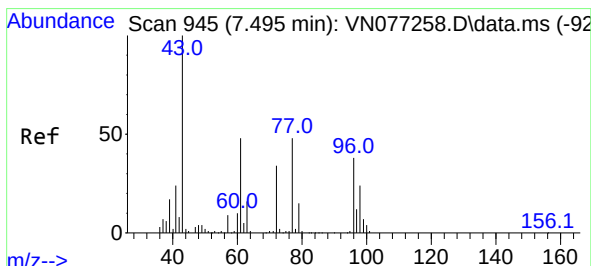
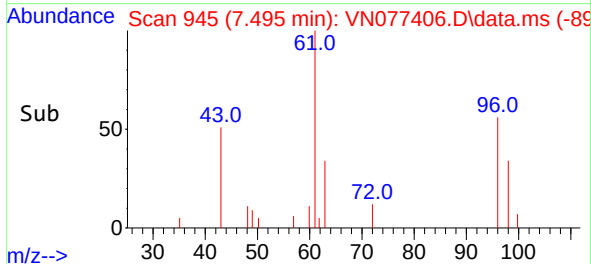
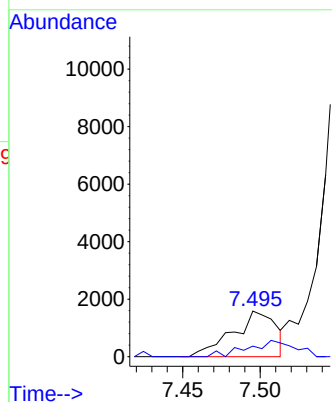
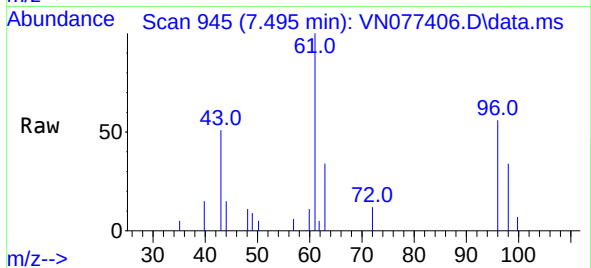




#25
2-Butanone
Concen: 0.652 ug/l
RT: 7.495 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

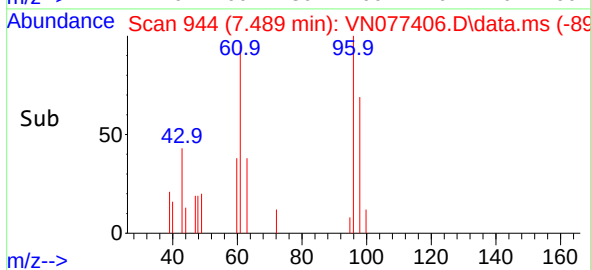
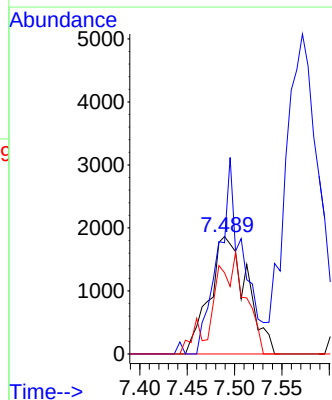
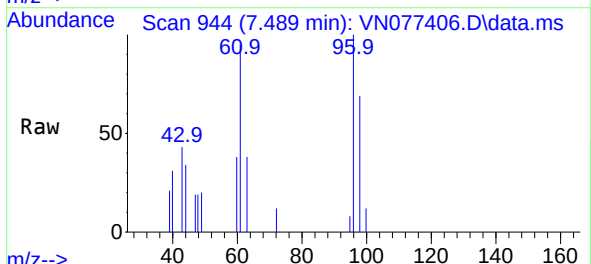
Instrument :
MSVOA_N
ClientSampleId :
SPC-3WC-23-04-17

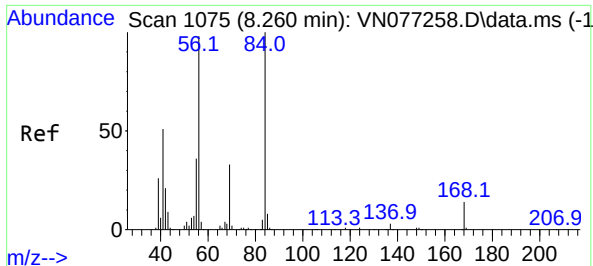
Tgt Ion: 43 Resp: 3059
Ion Ratio Lower Upper
43 100
72 23.3 26.6 39.8#



#27
cis-1,2-Dichloroethene
Concen: 0.568 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.006 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

Tgt Ion: 96 Resp: 5108
Ion Ratio Lower Upper
96 100
61 109.7 0.0 261.0
98 25.9 0.0 128.0

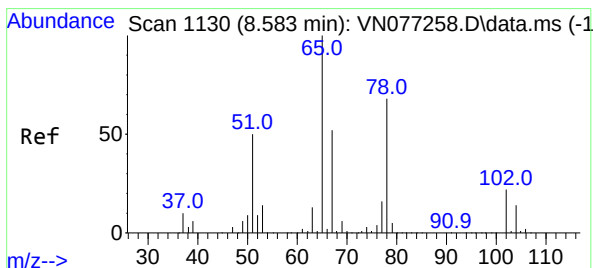
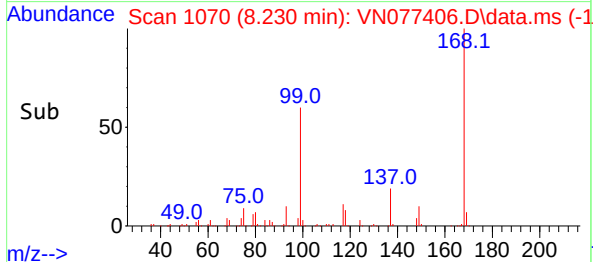
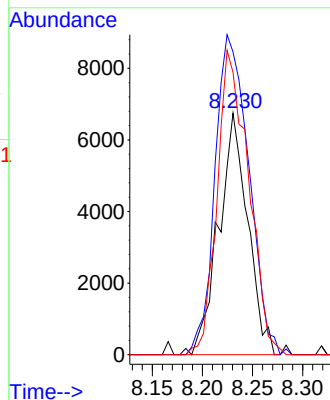
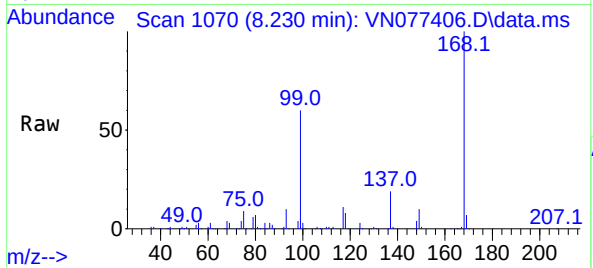




#31
Cyclohexane
Concen: 1.116 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.030 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

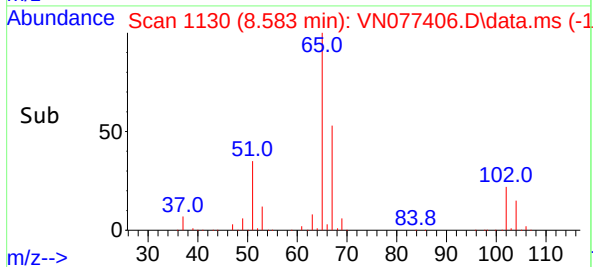
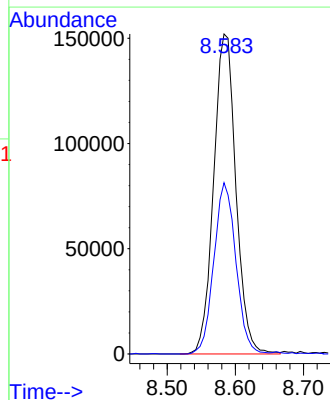
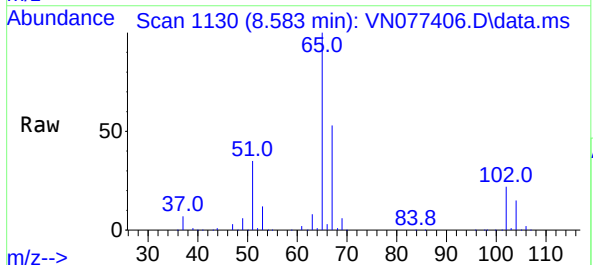
Instrument :
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SPC-3WC-23-04-17

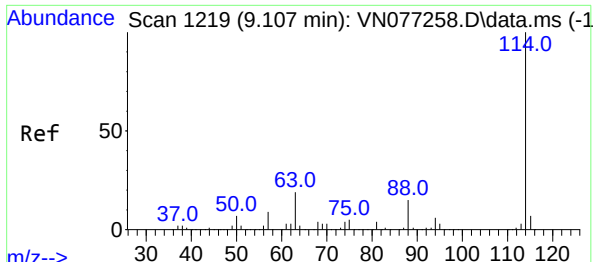
Tgt Ion: 56 Resp: 13605
Ion Ratio Lower Upper
56 100
69 125.4 26.6 40.0#
84 123.2 81.8 122.8#



#33
1,2-Dichloroethane-d4
Concen: 44.054 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

Tgt Ion: 65 Resp: 345502
Ion Ratio Lower Upper
65 100
67 52.9 0.0 108.8

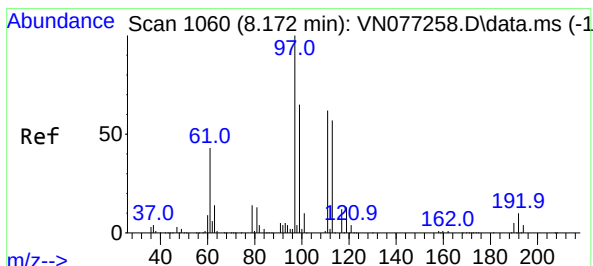
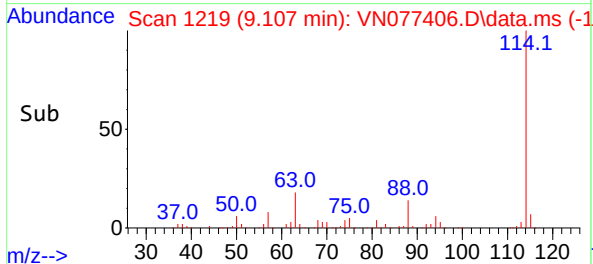
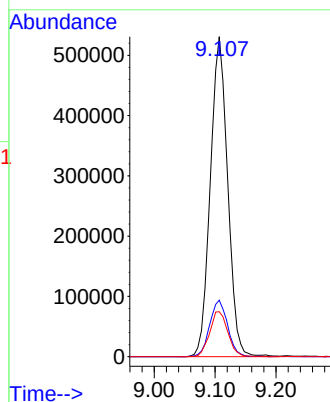
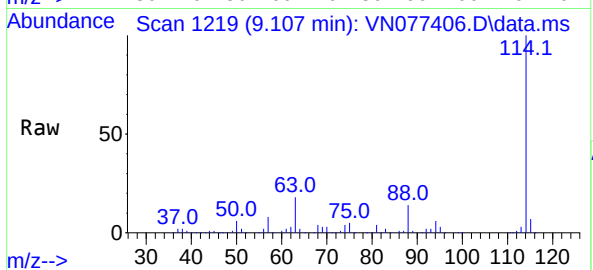




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

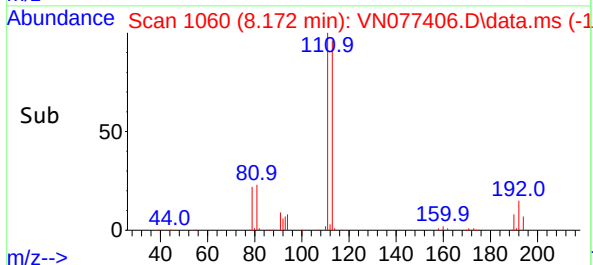
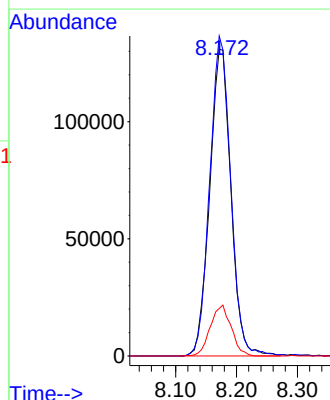
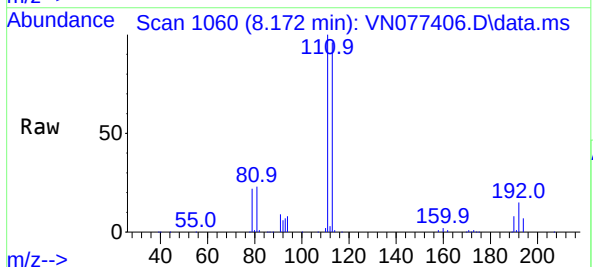
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SPC-3WC-23-04-17

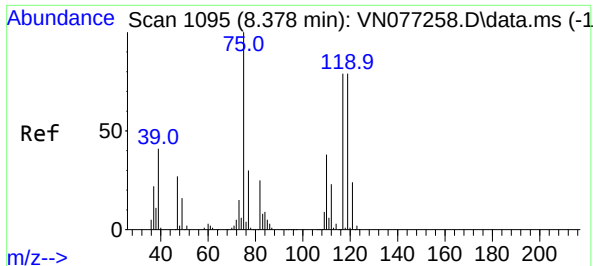
Tgt Ion:114 Resp: 1052120
Ion Ratio Lower Upper
114 100
63 17.7 0.0 37.8
88 14.1 0.0 29.4



#35
Dibromofluoromethane
Concen: 47.105 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

Tgt Ion:113 Resp: 317271
Ion Ratio Lower Upper
113 100
111 103.2 83.4 125.0
192 16.3 13.5 20.3

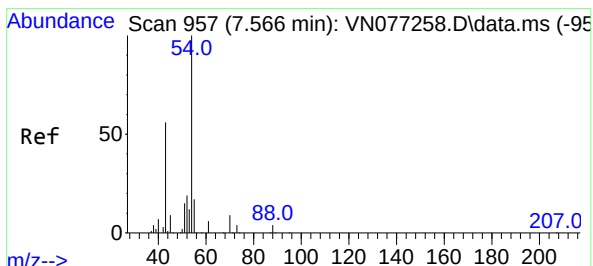
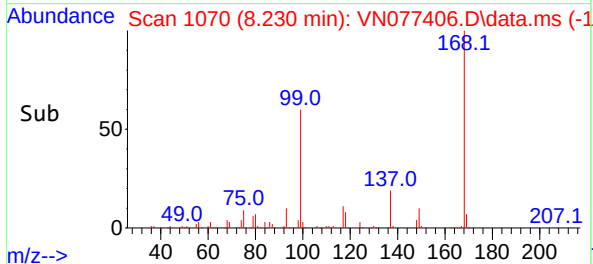
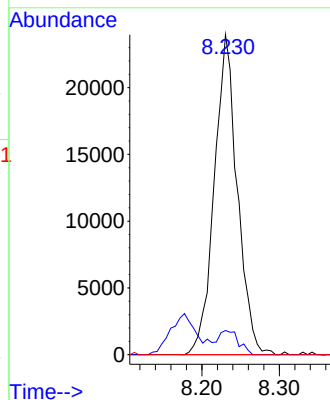
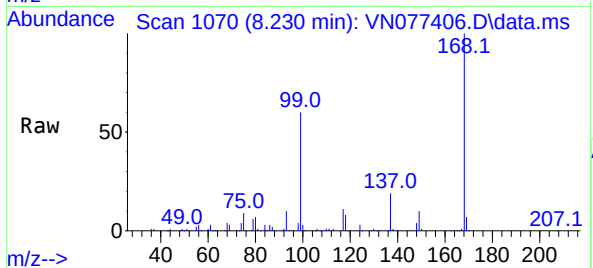




#36
1,1-Dichloropropene
Concen: 4.977 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.148 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

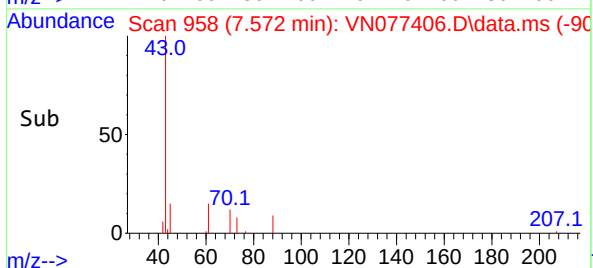
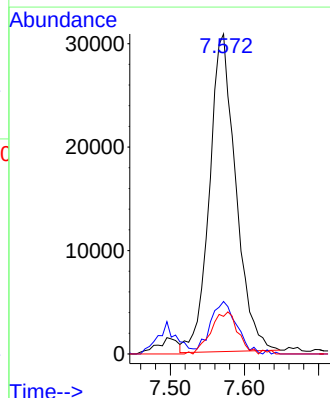
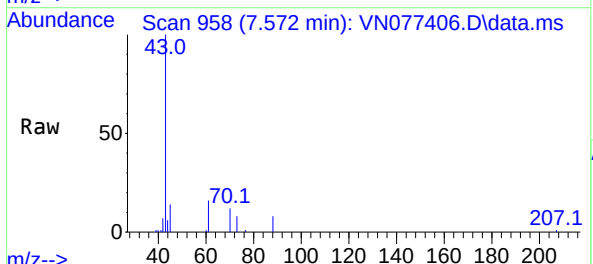
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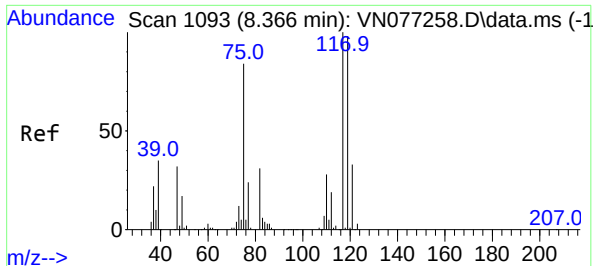
Tgt Ion: 75 Resp: 49575
Ion Ratio Lower Upper
75 100
110 6.8 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 8.506 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

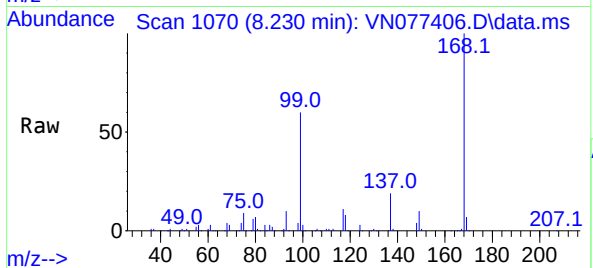
Tgt Ion: 43 Resp: 75815
Ion Ratio Lower Upper
43 100
61 16.5 12.2 18.2
70 13.5 10.0 15.0



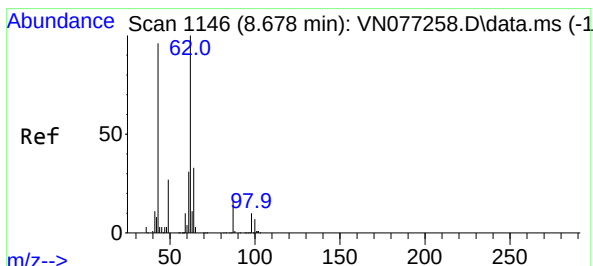
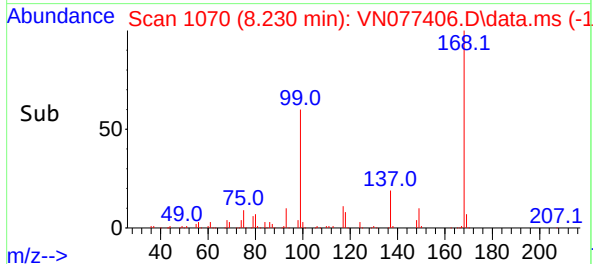
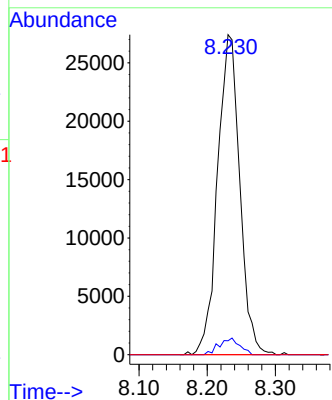


#38
Carbon Tetrachloride
Concen: 6.086 ug/l
RT: 8.230 min Scan# 1109
Delta R.T. -0.136 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

Instrument :
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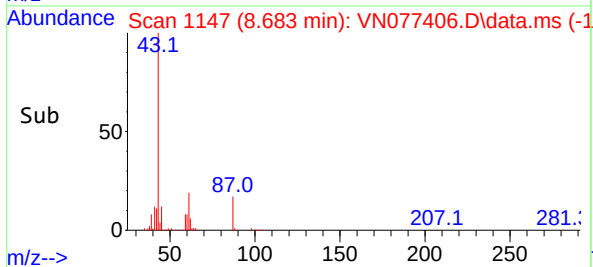
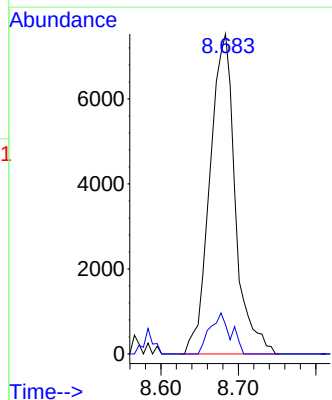
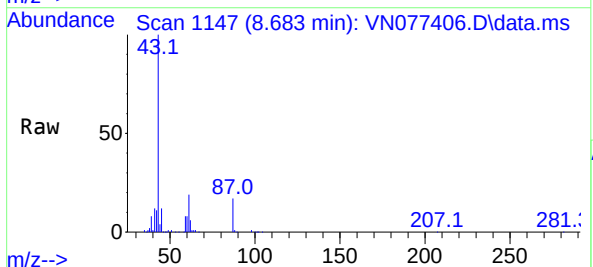


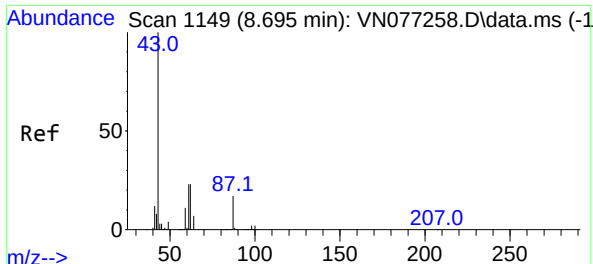
Tgt Ion:117 Resp: 62109
Ion Ratio Lower Upper
117 100
119 4.4 78.5 117.7#
121 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 1.792 ug/l
RT: 8.683 min Scan# 1147
Delta R.T. 0.005 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

Tgt Ion: 62 Resp: 17139
Ion Ratio Lower Upper
62 100
98 10.5 0.0 20.2

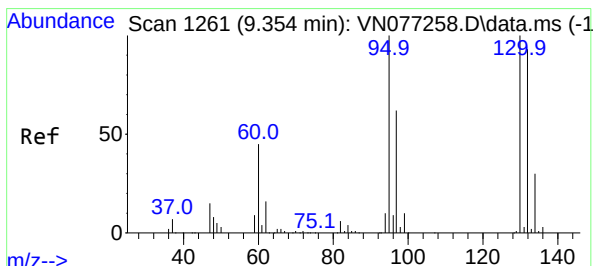
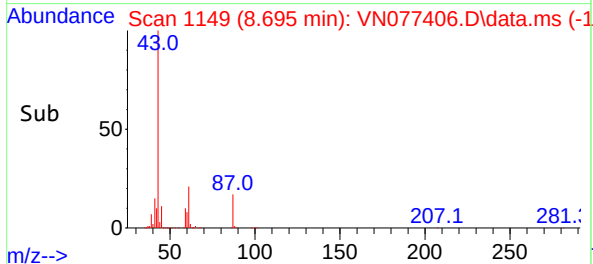
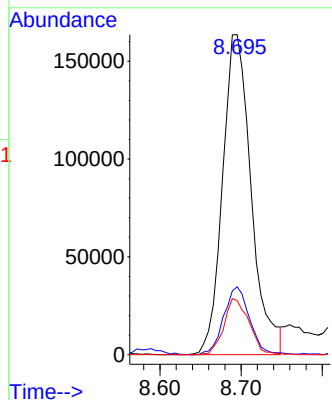
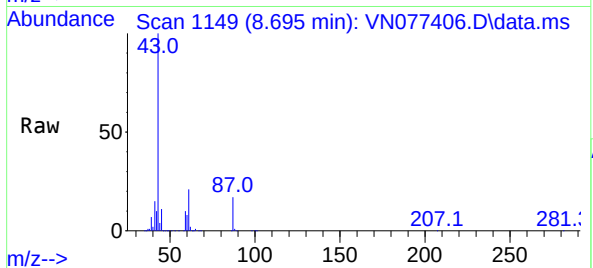




#43
Isopropyl Acetate
Concen: 24.440 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

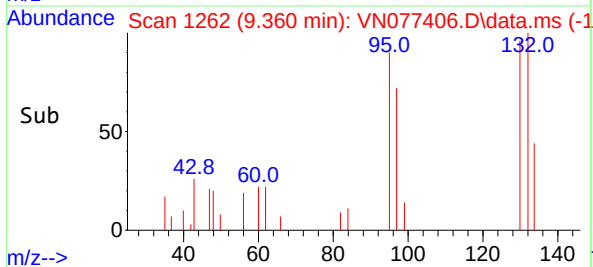
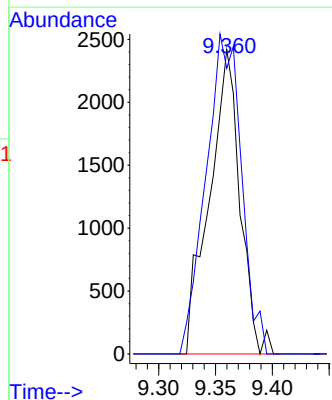
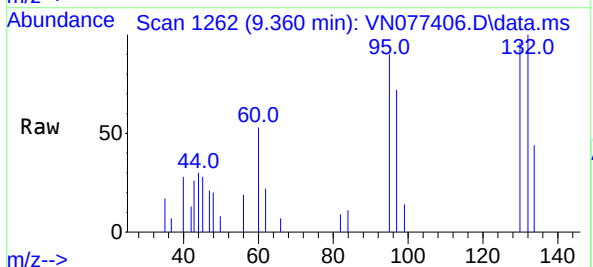
Instrument :
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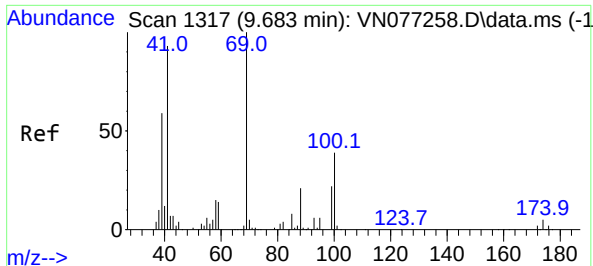
Tgt Ion: 43 Resp: 401947
Ion Ratio Lower Upper
43 100
61 19.2 22.7 34.1#
87 15.4 13.6 20.4



#44
Trichloroethene
Concen: 0.609 ug/l
RT: 9.360 min Scan# 1262
Delta R.T. 0.006 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

Tgt Ion:130 Resp: 4526
Ion Ratio Lower Upper
130 100
95 93.9 0.0 200.2

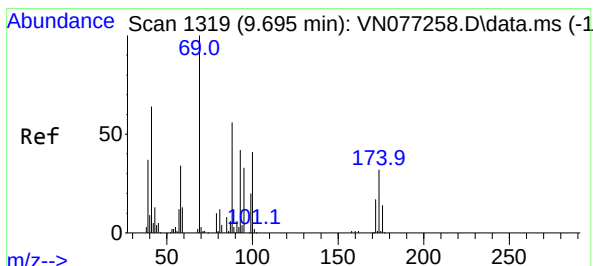
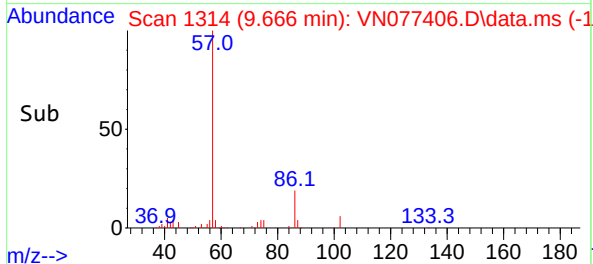
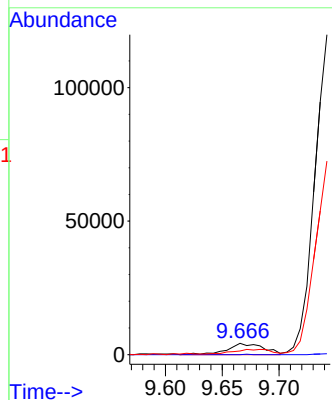
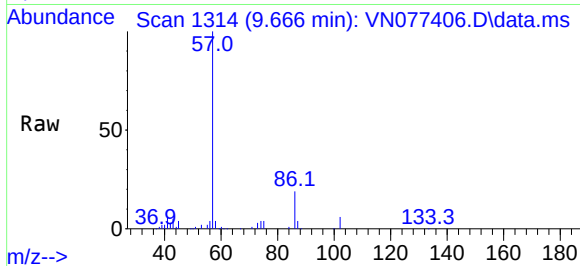




#48
Methyl methacrylate
Concen: 1.342 ug/l
RT: 9.666 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

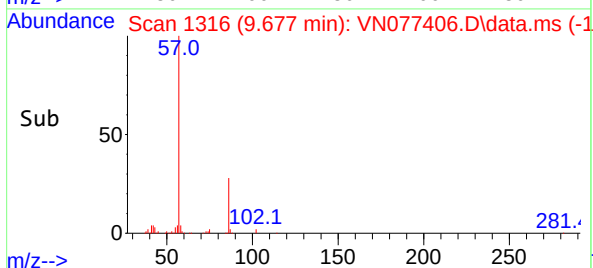
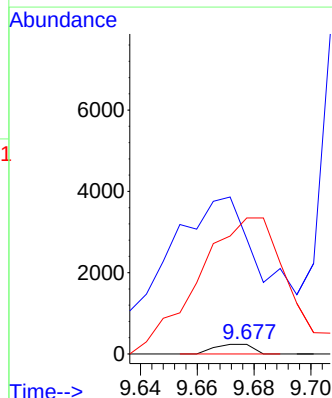
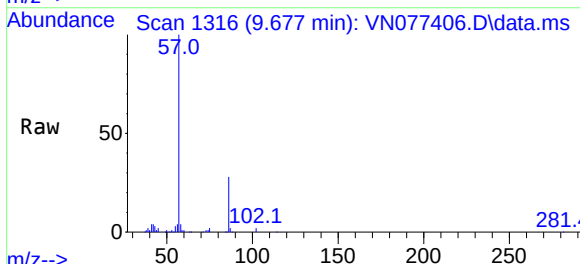
Instrument :
MSVOA_N
ClientSampleId :
SPC-3WC-23-04-17

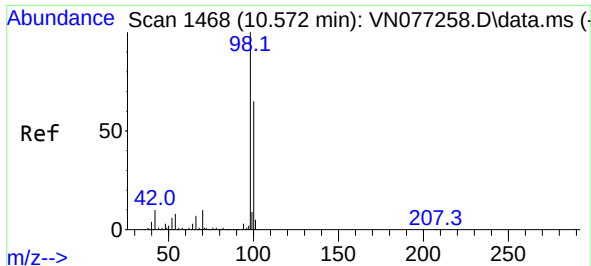
Tgt Ion: 41 Resp: 9414
Ion Ratio Lower Upper
41 100
69 0.6 85.0 127.6#
39 0.0 53.5 80.3#



#49
1,4-Dioxane
Concen: 1.311 ug/l
RT: 9.677 min Scan# 1316
Delta R.T. -0.018 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

Tgt Ion: 88 Resp: 223
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 3337.2 49.8 74.6#

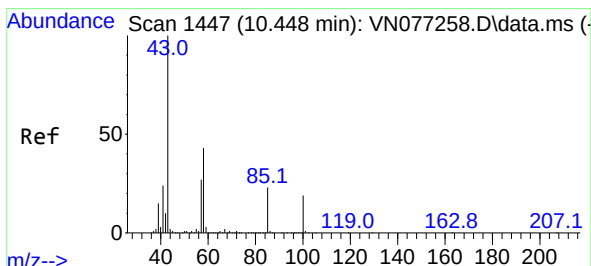
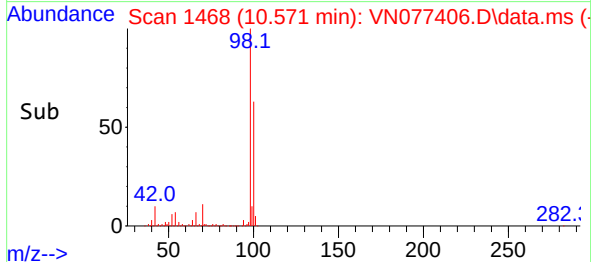
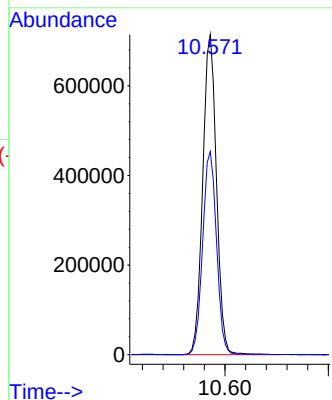
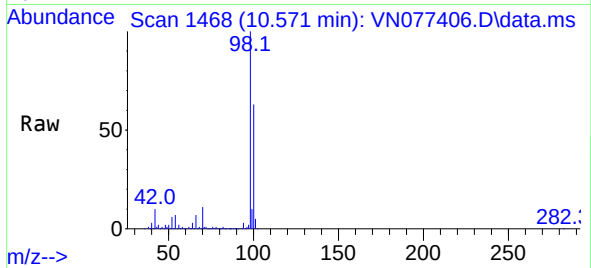




#50
Toluene-d8
Concen: 48.513 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

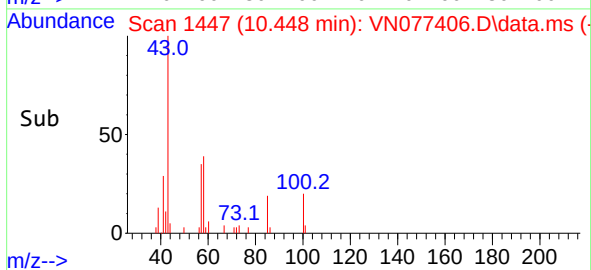
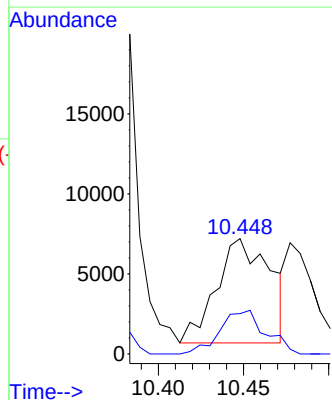
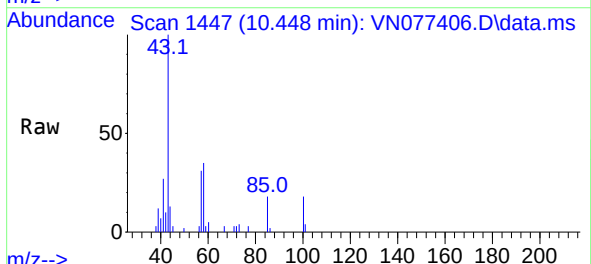
Instrument :
MSVOA_N
ClientSampleId :
SPC-3WC-23-04-17

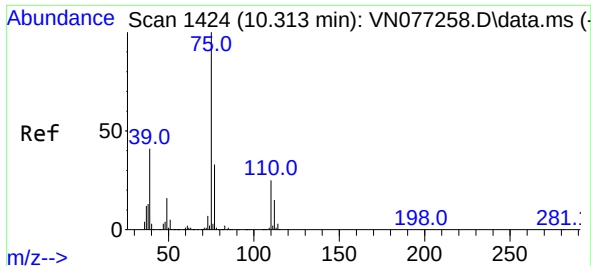
Tgt Ion: 98 Resp: 1315391
Ion Ratio Lower Upper
98 100
100 64.2 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 1.512 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

Tgt Ion: 43 Resp: 14369
Ion Ratio Lower Upper
43 100
58 35.2 34.6 52.0

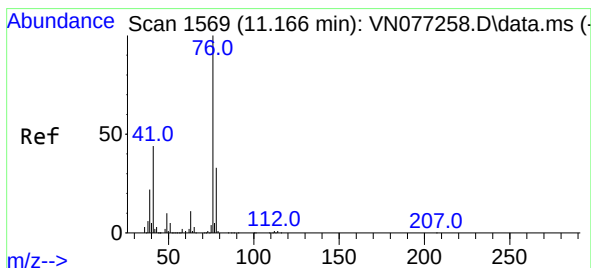
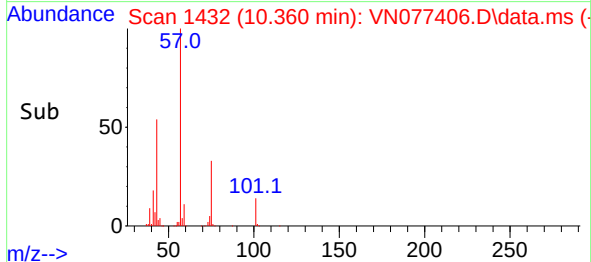
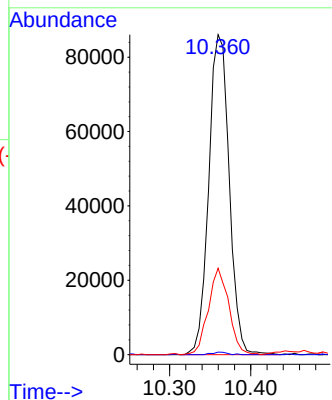
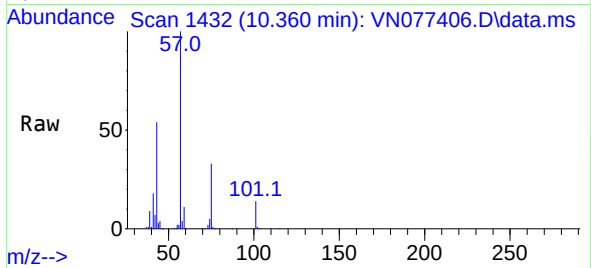




#54
cis-1,3-Dichloropropene
Concen: 11.727 ug/l
RT: 10.360 min Scan# 1424
Delta R.T. 0.047 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

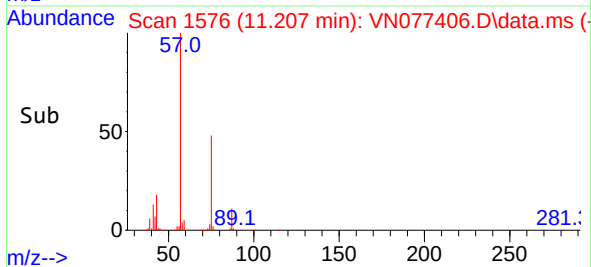
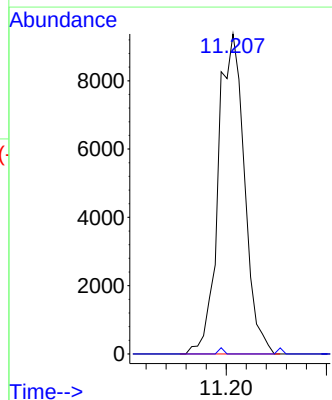
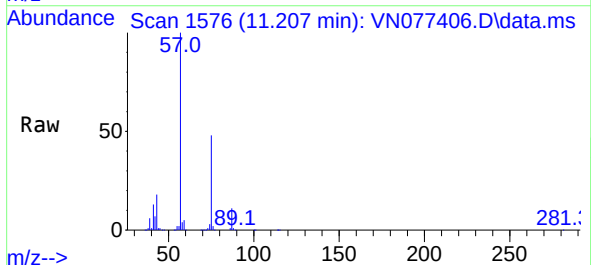
Instrument :
MSVOA_N
ClientSampleId :
SPC-3WC-23-04-17

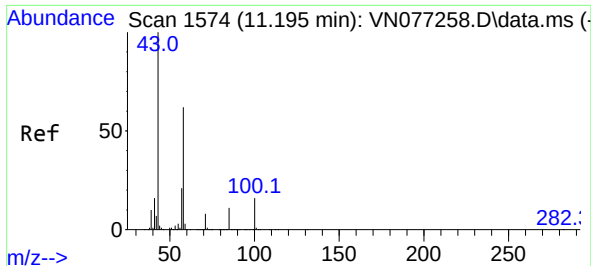
Tgt Ion: 75 Resp: 150735
Ion Ratio Lower Upper
75 100
77 0.8 26.7 40.1#
39 27.0 32.8 49.2#



#57
1,3-Dichloropropane
Concen: 1.285 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.041 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

Tgt Ion: 76 Resp: 16942
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.4#

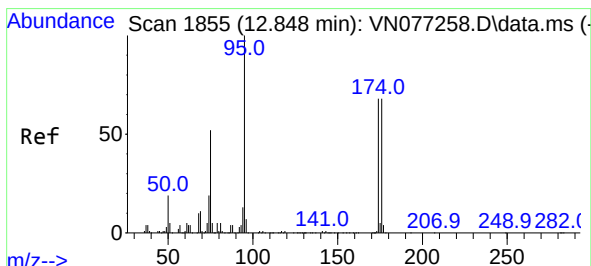
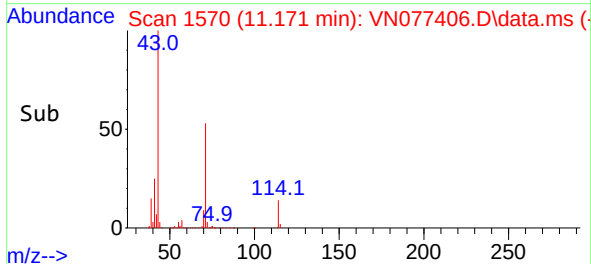
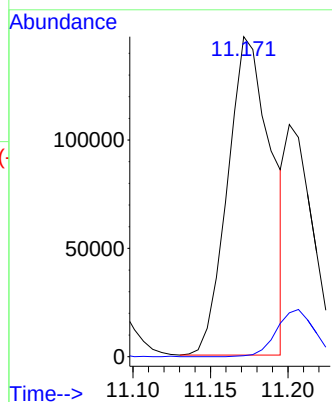
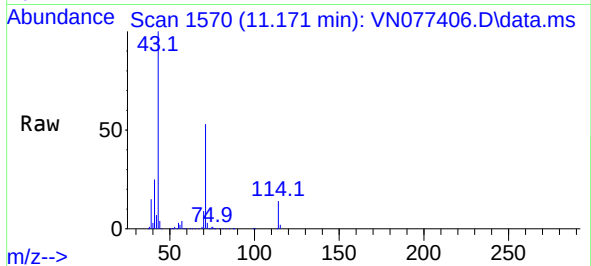




#59
2-Hexanone
Concen: 40.509 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

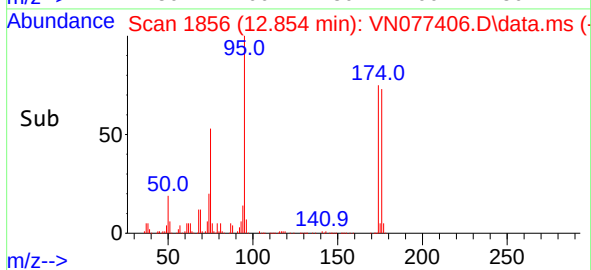
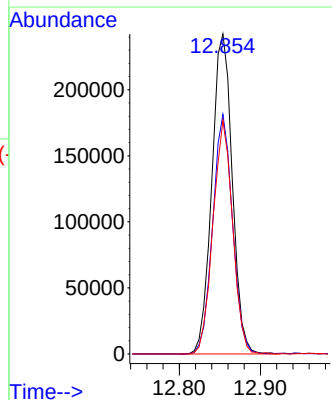
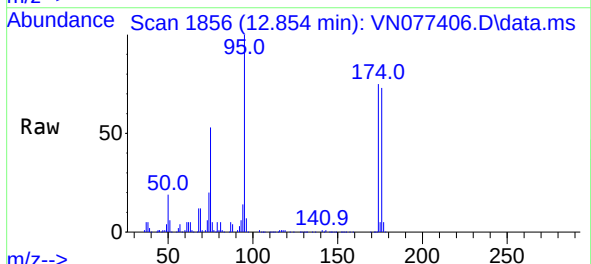
Instrument :
MSVOA_N
ClientSampleId :
SPC-3WC-23-04-17

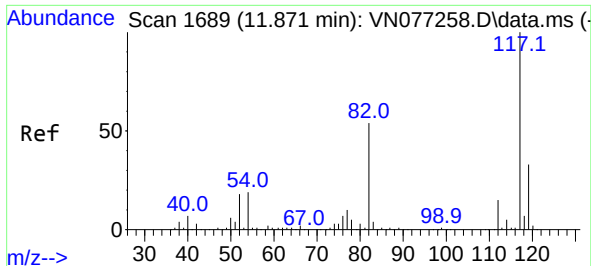
Tgt Ion: 43 Resp: 286892
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 46.877 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

Tgt Ion: 95 Resp: 422728
Ion Ratio Lower Upper
95 100
174 72.8 0.0 146.8
176 70.2 0.0 139.6

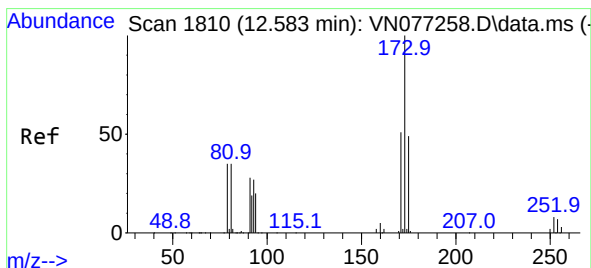
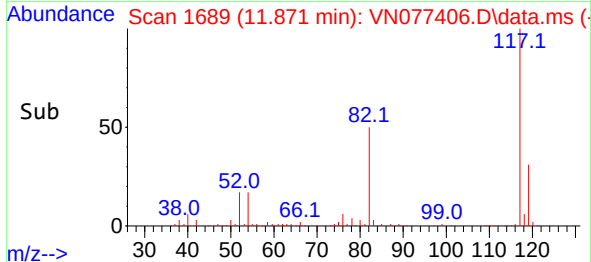
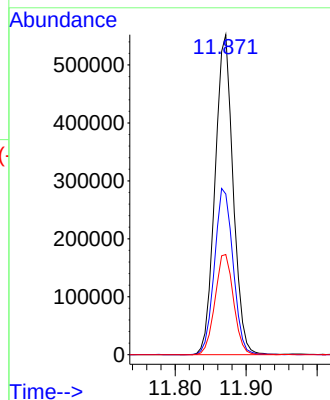
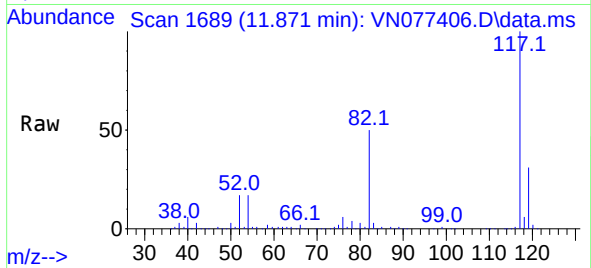




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

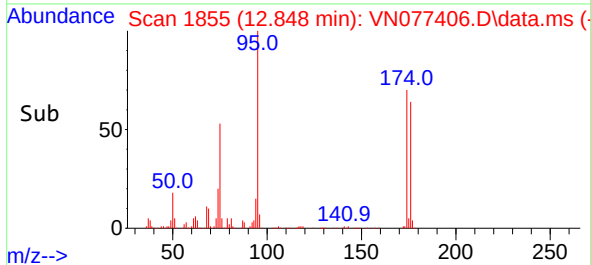
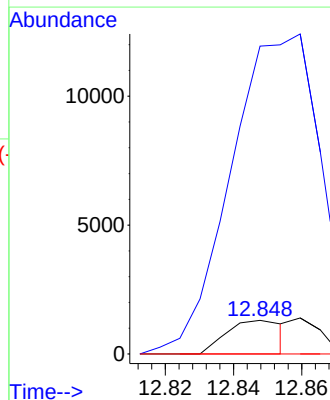
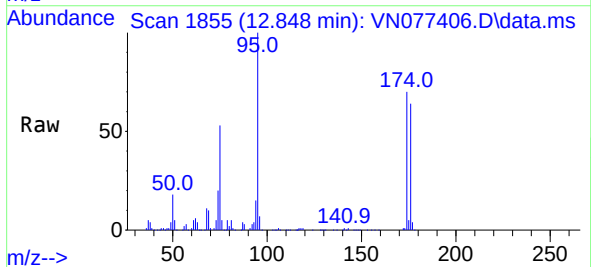
Instrument :
MSVOA_N
ClientSampleId :
SPC-3WC-23-04-17

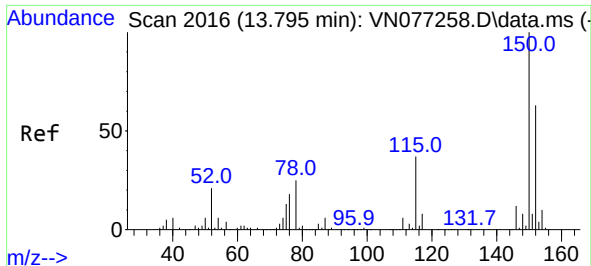
Tgt Ion:117 Resp: 974766
Ion Ratio Lower Upper
117 100
82 50.2 42.9 64.3
119 31.3 26.2 39.4



#71
Bromoform
Concen: 0.266 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.265 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

Tgt Ion:173 Resp: 1520
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.1 0.1#

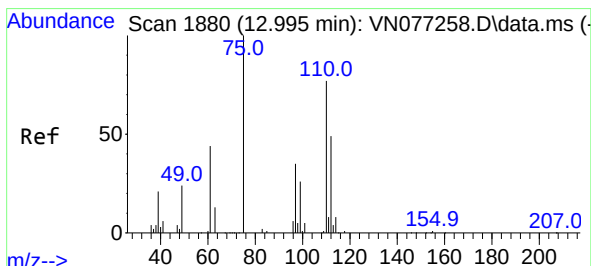
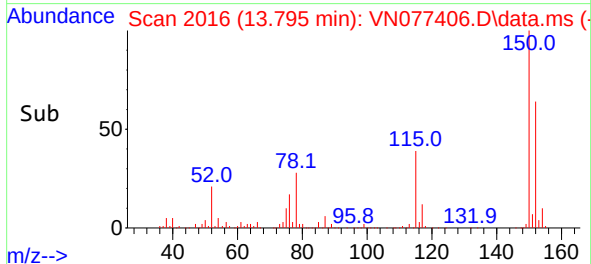
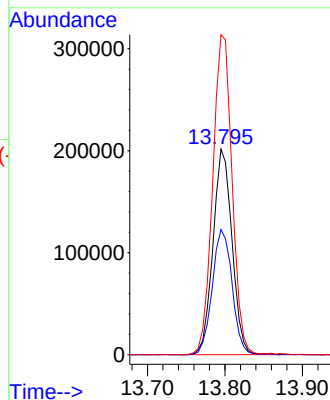
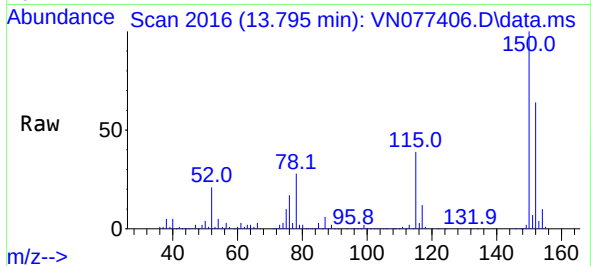




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

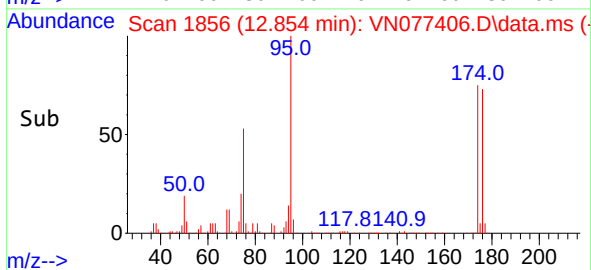
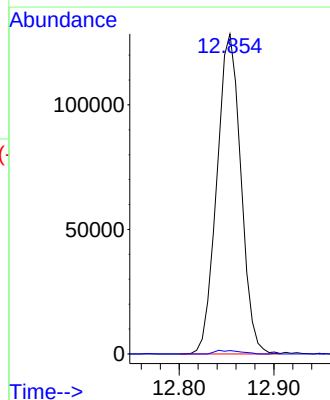
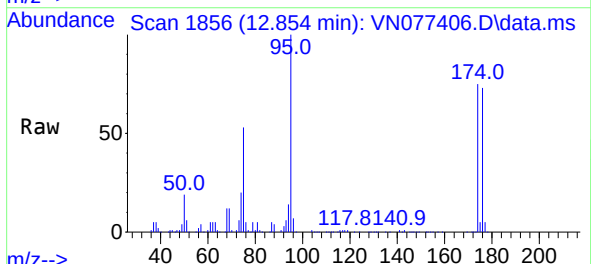
Instrument :
MSVOA_N
ClientSampleId :
SPC-3WC-23-04-17

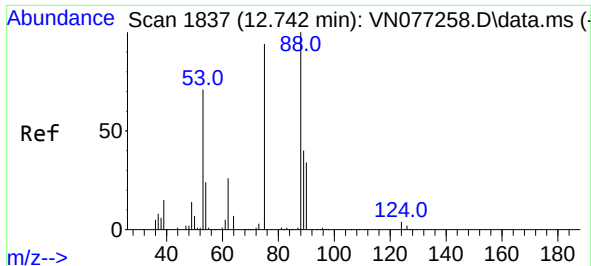
Tgt Ion:152 Resp: 344080
Ion Ratio Lower Upper
152 100
115 63.2 32.1 96.3
150 158.1 0.0 354.8



#76
1,2,3-Trichloropropane
Concen: 27.679 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077406.D
Acq: 20 Apr 2023 17:35

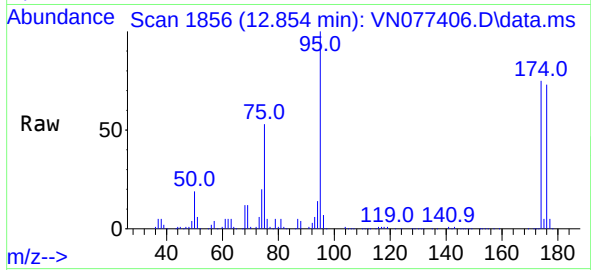
Tgt Ion: 75 Resp: 226791
Ion Ratio Lower Upper
75 100
77 1.2 88.3 264.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.288 ug/l
 RT: 12.854 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN077406.D
 Acq: 20 Apr 2023 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 SPC-3WC-23-04-17



Tgt Ion: 75 Resp: 226791
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.8 109.2#
 89 0.0 37.4 56.2#

