

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042423\
 Data File : VN077461.D
 Acq On : 25 Apr 2023 10:30
 Operator : JC\MD
 Sample : 02423-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPE-2WC-23-04-18

Quant Time: Apr 25 14:07:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

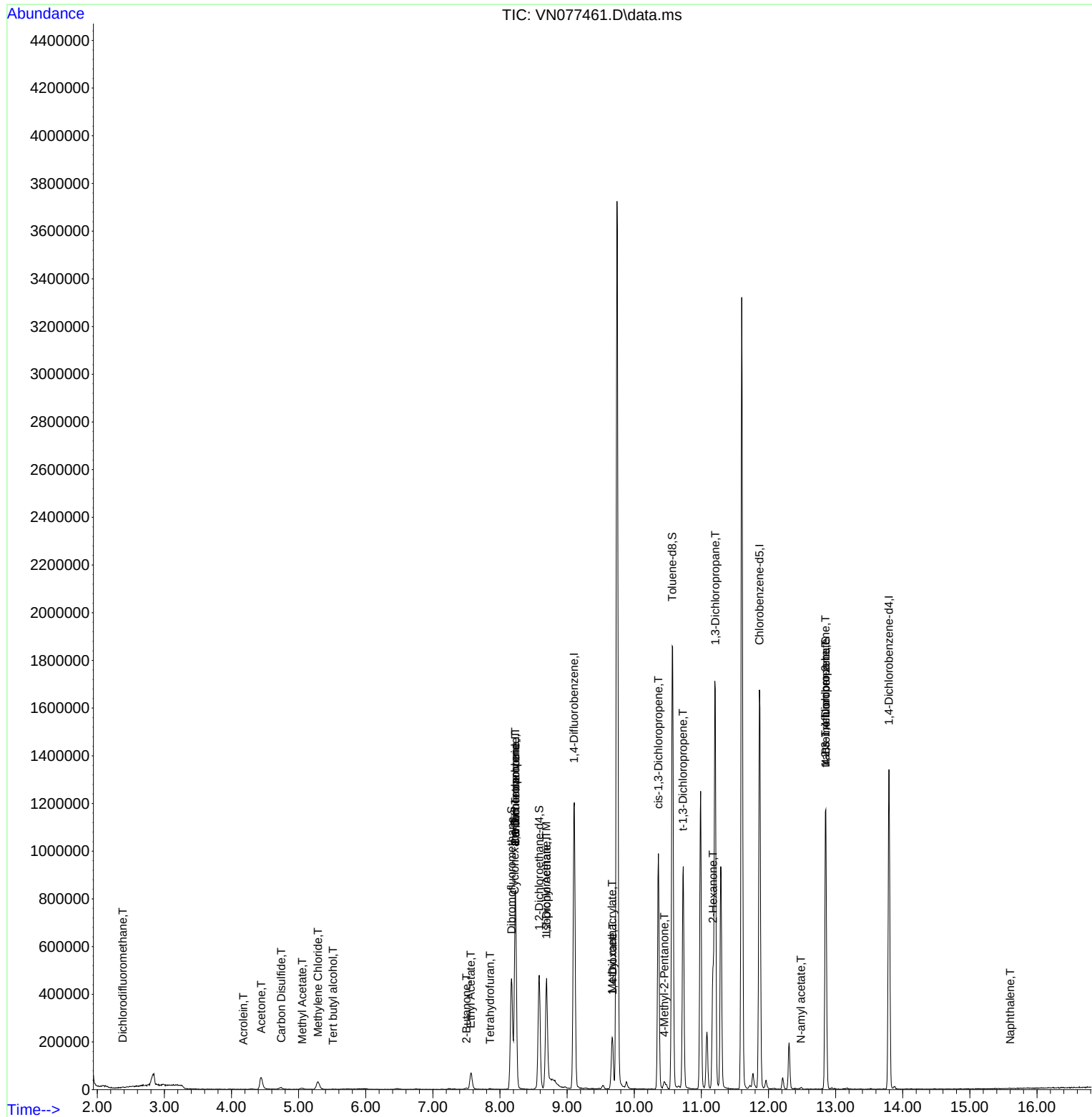
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.231	168	596899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	1104250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1017433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	354253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	384368	49.349	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.700%
35) Dibromofluoromethane	8.172	113	332288	50.066	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.140%
50) Toluene-d8	10.566	98	1373010	53.977	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.960%
62) 4-Bromofluorobenzene	12.854	95	431760	51.880	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.378	85	138	0.327	ug/l #	43
11) Tert butyl alcohol	5.513	59	822	0.657	ug/l	95
13) Acrolein	4.178	56	321	0.258	ug/l #	16
16) Acetone	4.443	43	93446	37.711	ug/l	94
17) Carbon Disulfide	4.743	76	4741	0.280	ug/l #	71
18) Methyl Acetate	5.054	43	9634	1.007	ug/l #	74
20) Methylene Chloride	5.290	84	30301	3.856	ug/l	94
25) 2-Butanone	7.501	43	7152	2.035	ug/l	92
29) Tetrahydrofuran	7.854	42	2063	0.937	ug/l #	60
31) Cyclohexane	8.219	56	13723	1.244	ug/l #	11
36) 1,1-Dichloropropene	8.231	75	50407	5.257	ug/l #	48
37) Ethyl Acetate	7.566	43	96731	13.276	ug/l	95
38) Carbon Tetrachloride	8.231	117	64698	6.116	ug/l #	15
42) 1,2-Dichloroethane	8.689	62	3231	0.322	ug/l	78
43) Isopropyl Acetate	8.695	43	535549	42.486	ug/l #	84
48) Methyl methacrylate	9.672	41	11591	2.020	ug/l #	31
49) 1,4-Dioxane	9.678	88	56	0.389	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	32572	4.405	ug/l #	70
53) t-1,3-Dichloropropene	10.725	75	3724	0.342	ug/l #	58
54) cis-1,3-Dichloropropene	10.360	75	203235	17.170	ug/l #	63
57) 1,3-Dichloropropane	11.207	76	21575	1.760	ug/l #	43
59) 2-Hexanone	11.172	43	351982	65.494	ug/l #	19
74) N-amyl acetate	12.483	43	2942	0.302	ug/l #	39
76) 1,2,3-Trichloropropane	12.848	75	230551	27.987	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	230551	79.068	ug/l #	15
95) Naphthalene	15.601	128	1042	1.251	ug/l #	81

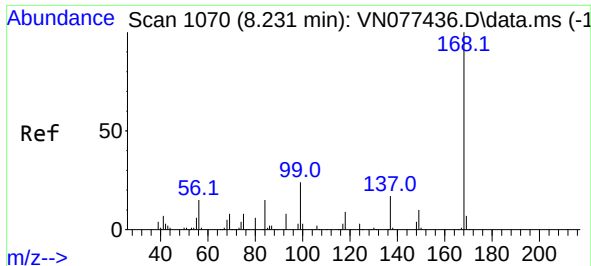
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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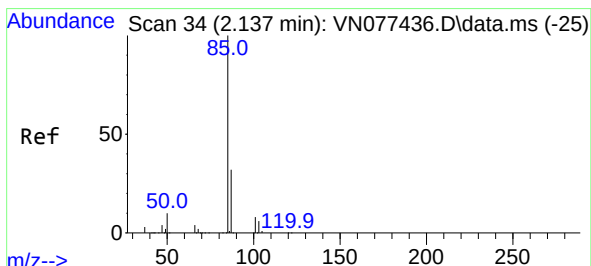
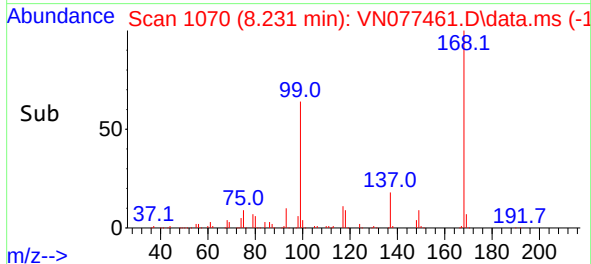
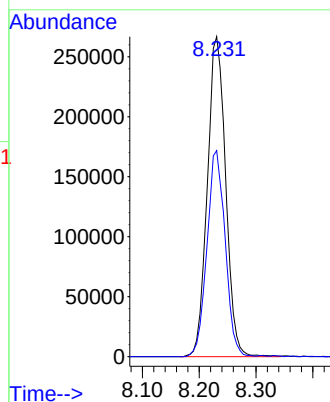
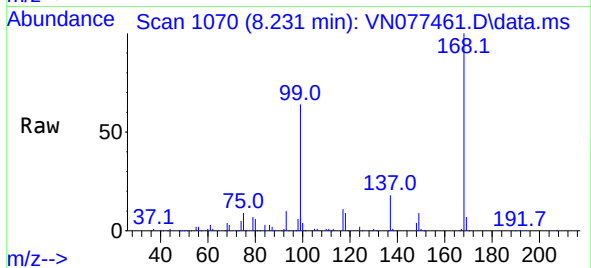




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

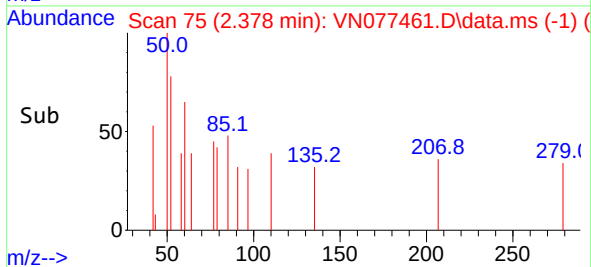
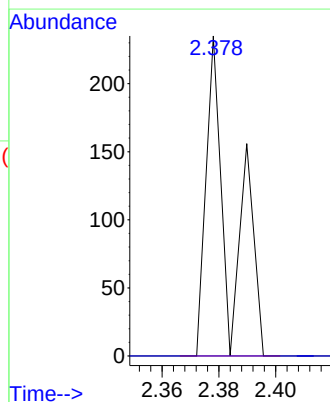
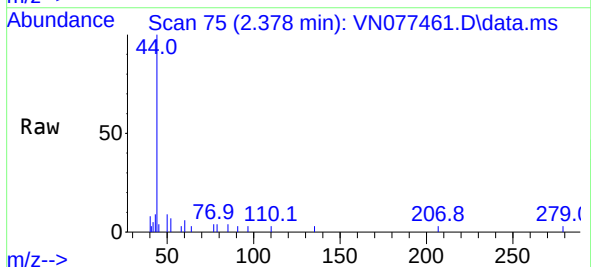
Instrument :
MSVOA_N
ClientSampleId :
SPE-2WC-23-04-18

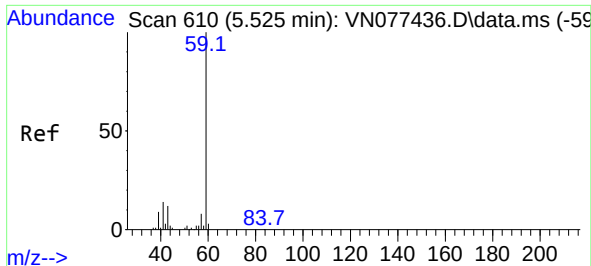
Tgt Ion:168 Resp: 596899
Ion Ratio Lower Upper
168 100
99 64.4 53.0 79.6



#2
Dichlorodifluoromethane
Concen: 0.327 ug/l
RT: 2.378 min Scan# 75
Delta R.T. 0.241 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

Tgt Ion: 85 Resp: 138
Ion Ratio Lower Upper
85 100
87 0.0 15.8 47.4#

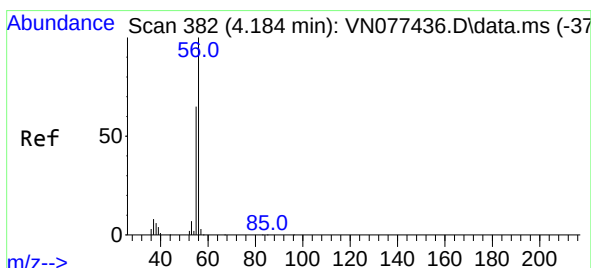
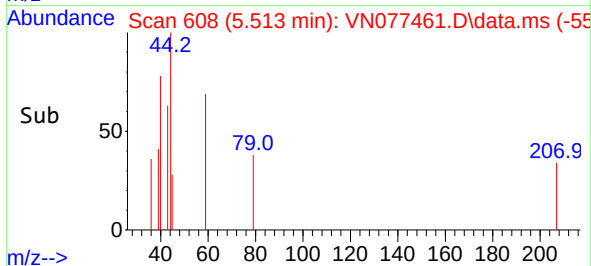
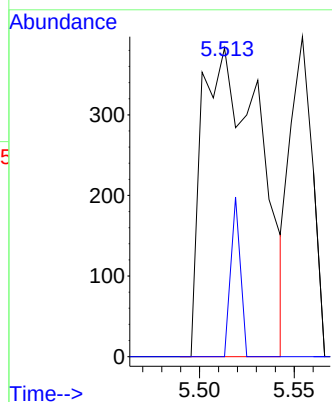
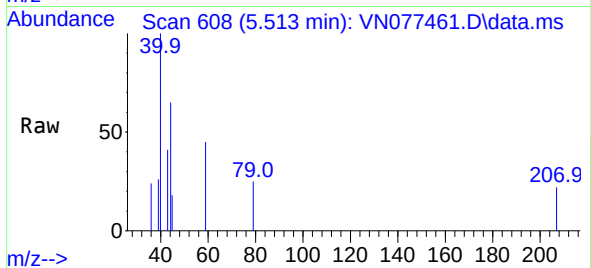




#11
Tert butyl alcohol
Concen: 0.657 ug/l
RT: 5.513 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

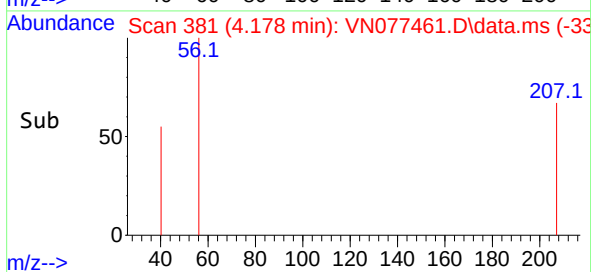
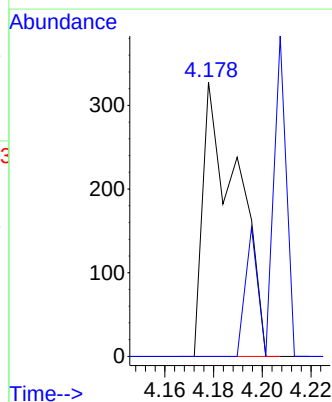
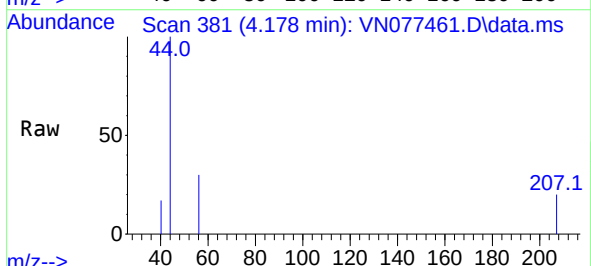
Instrument :
MSVOA_N
ClientSampleId :
SPE-2WC-23-04-18

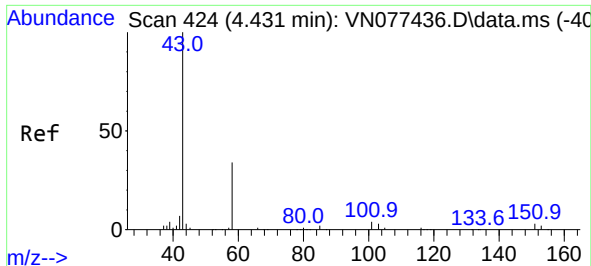
Tgt Ion: 59 Resp: 822
Ion Ratio Lower Upper
59 100
57 8.5 8.2 12.4



#13
Acrolein
Concen: 0.258 ug/l
RT: 4.178 min Scan# 381
Delta R.T. -0.006 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

Tgt Ion: 56 Resp: 321
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

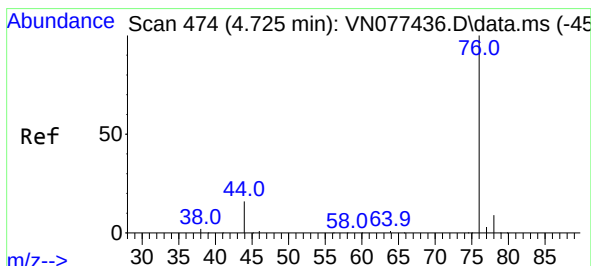
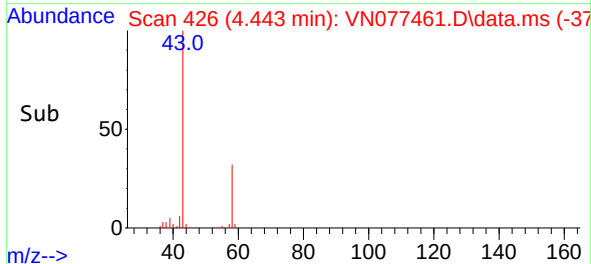
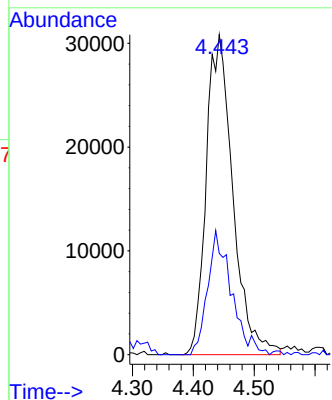
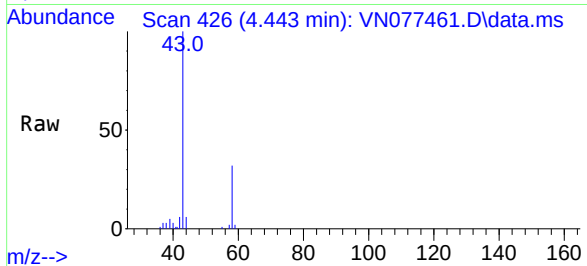




#16
Acetone
Concen: 37.711 ug/l
RT: 4.443 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

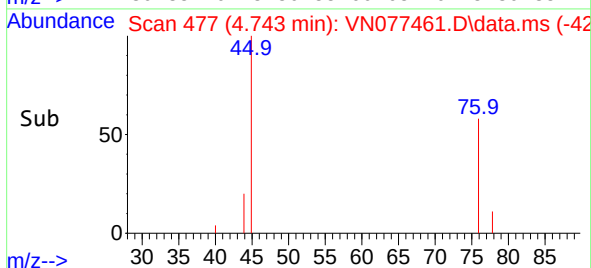
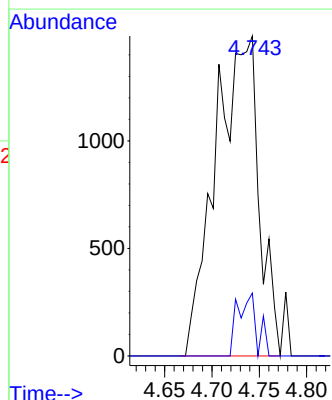
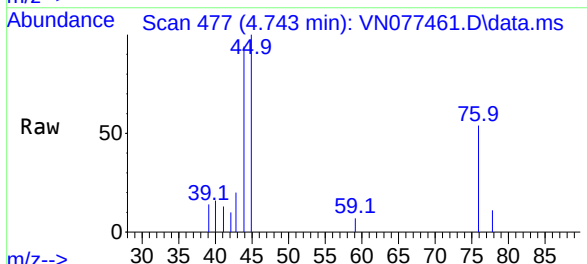
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MSVOA_N
ClientSampleId :
SPE-2WC-23-04-18

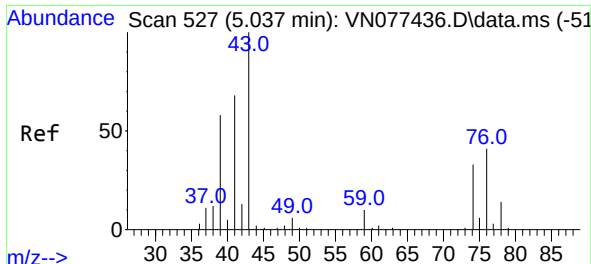
Tgt Ion: 43 Resp: 93446
Ion Ratio Lower Upper
43 100
58 31.6 28.0 42.0



#17
Carbon Disulfide
Concen: 0.280 ug/l
RT: 4.743 min Scan# 477
Delta R.T. 0.018 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

Tgt Ion: 76 Resp: 4741
Ion Ratio Lower Upper
76 100
78 19.6 7.4 11.0#

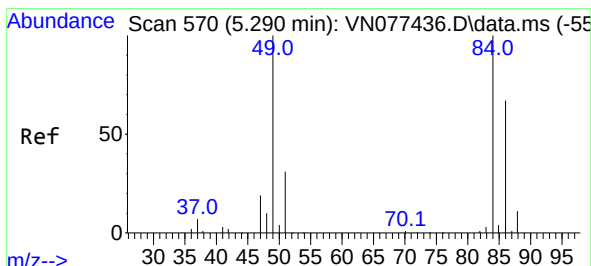
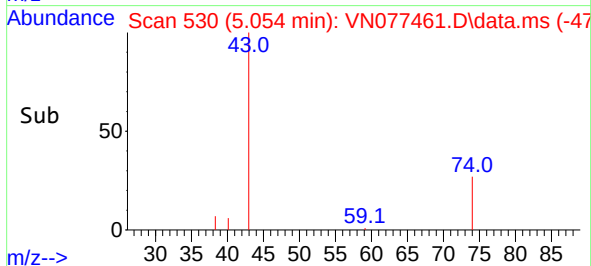
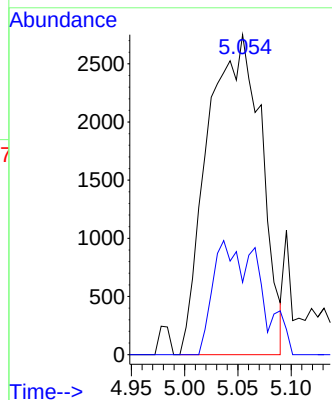
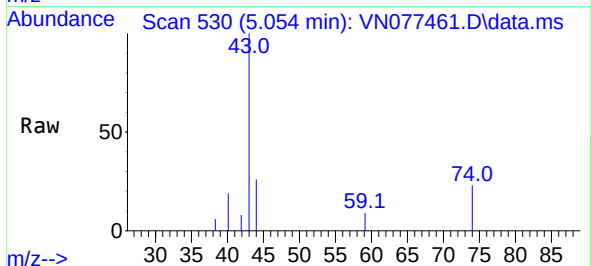




#18
Methyl Acetate
Concen: 1.007 ug/l
RT: 5.054 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

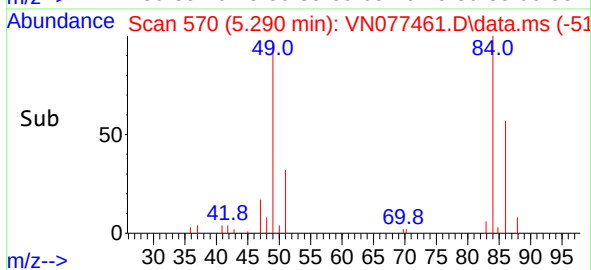
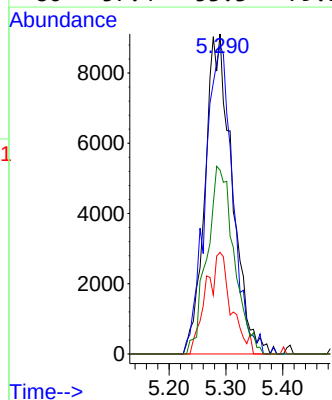
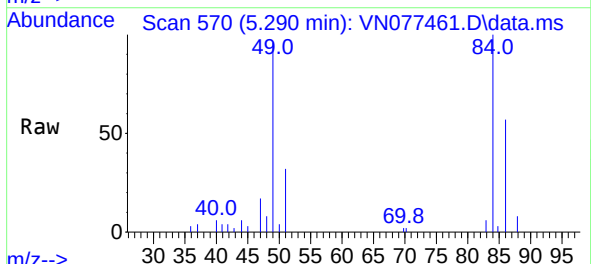
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MSVOA_N
ClientSampleId :
SPE-2WC-23-04-18

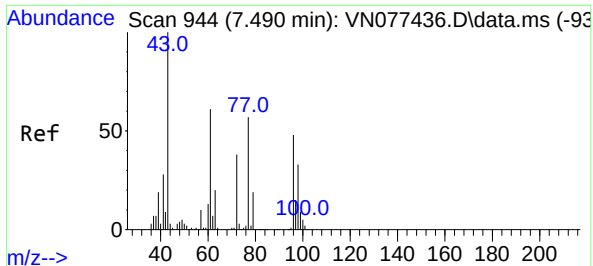
Tgt Ion: 43 Resp: 9634
Ion Ratio Lower Upper
43 100
74 18.0 26.2 39.4#



#20
Methylene Chloride
Concen: 3.856 ug/l
RT: 5.290 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

Tgt Ion: 84 Resp: 30301
Ion Ratio Lower Upper
84 100
49 96.4 79.7 119.5
51 31.7 25.2 37.8
86 57.4 53.3 79.9

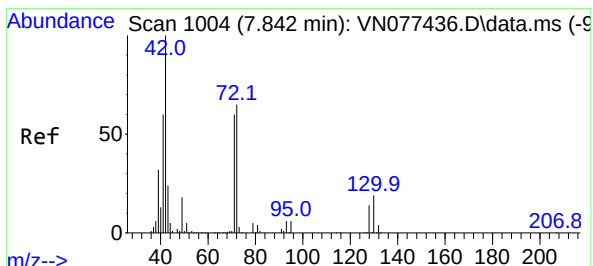
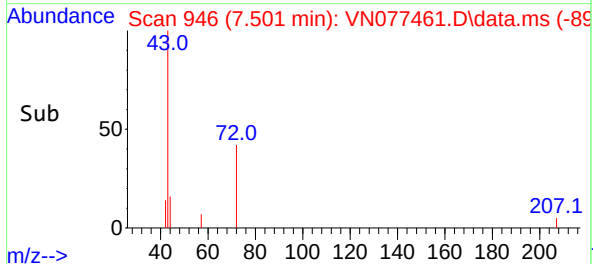
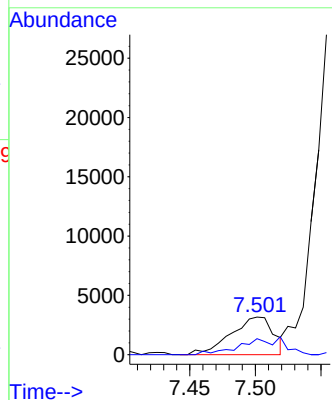
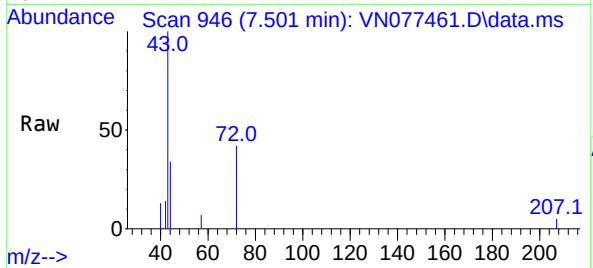




#25
2-Butanone
Concen: 2.035 ug/l
RT: 7.501 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

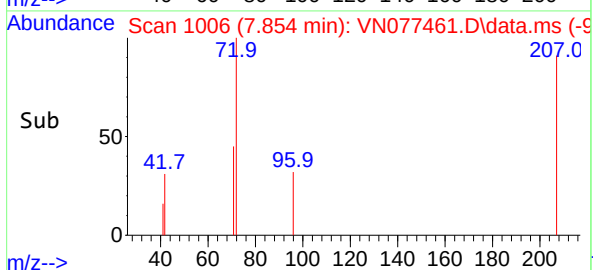
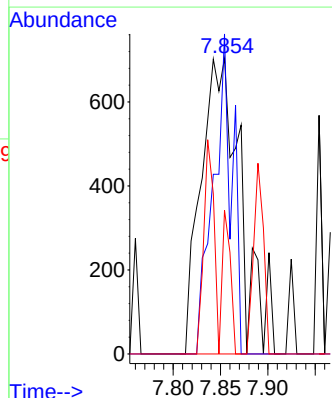
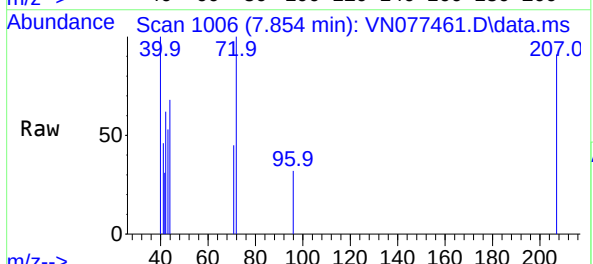
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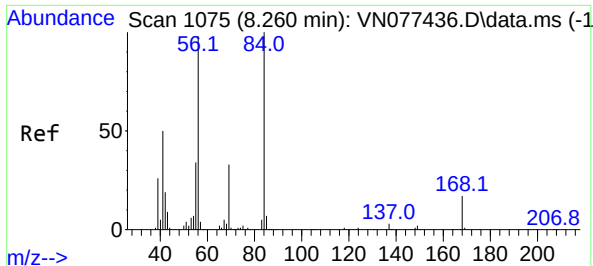
Tgt Ion: 43 Resp: 7152
Ion Ratio Lower Upper
43 100
72 42.4 30.2 45.2



#29
Tetrahydrofuran
Concen: 0.937 ug/l
RT: 7.854 min Scan# 1006
Delta R.T. 0.012 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

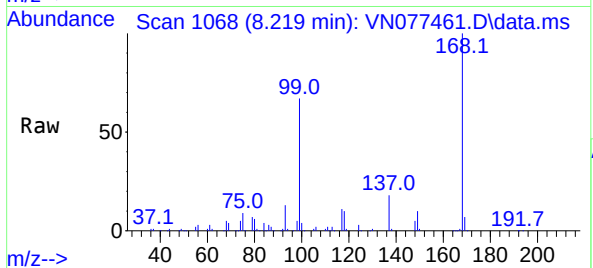
Tgt Ion: 42 Resp: 2063
Ion Ratio Lower Upper
42 100
72 50.9 49.8 74.6
71 10.0 47.4 71.2#



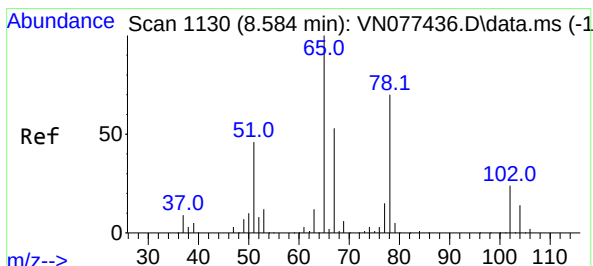
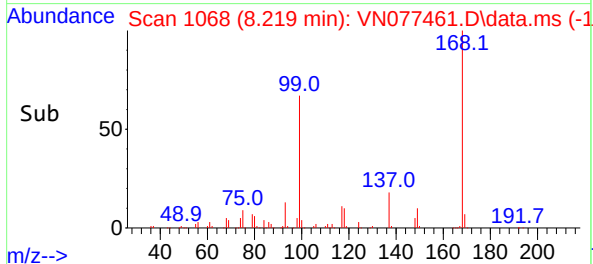
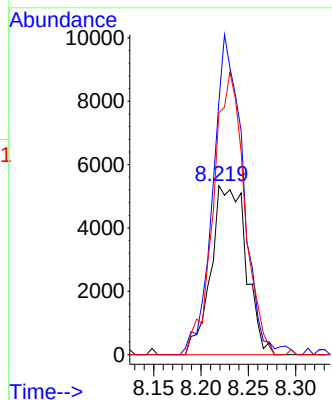


#31
Cyclohexane
Concen: 1.244 ug/l
RT: 8.219 min Scan# 1068
Delta R.T. -0.041 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

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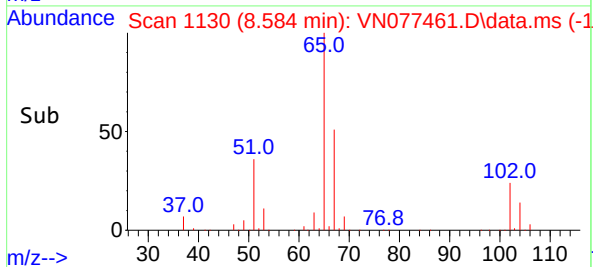
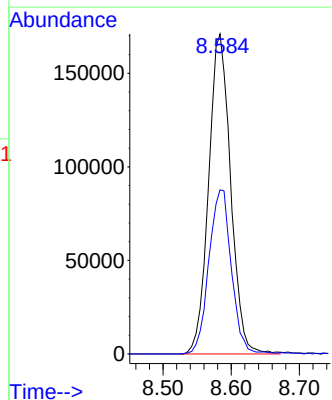
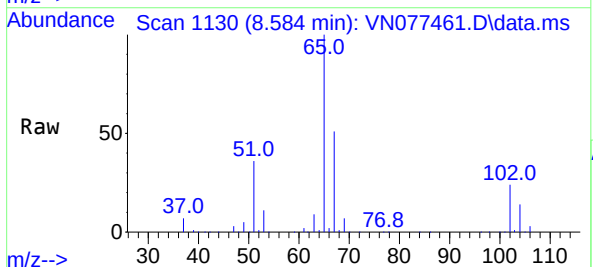


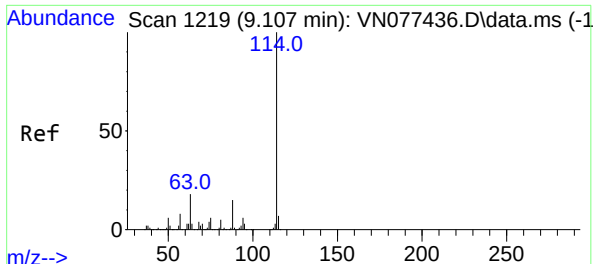
Tgt Ion: 56 Resp: 13723
Ion Ratio Lower Upper
56 100
69 149.8 26.8 40.2#
84 154.1 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 49.349 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

Tgt Ion: 65 Resp: 384368
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.101 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN077461.D

Acq: 25 Apr 2023 10:30

Instrument :

MSVOA_N

ClientSampleId :

SPE-2WC-23-04-18

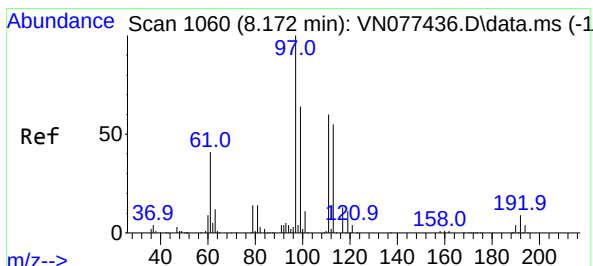
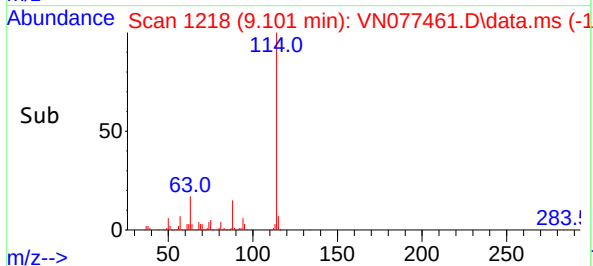
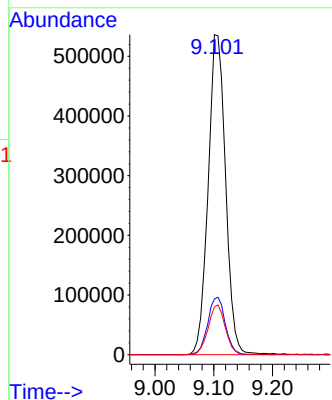
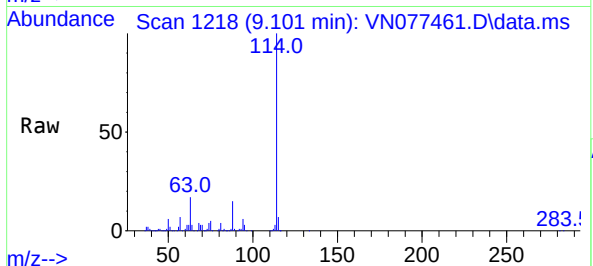
Tgt Ion:114 Resp: 1104250

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.066 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077461.D

Acq: 25 Apr 2023 10:30

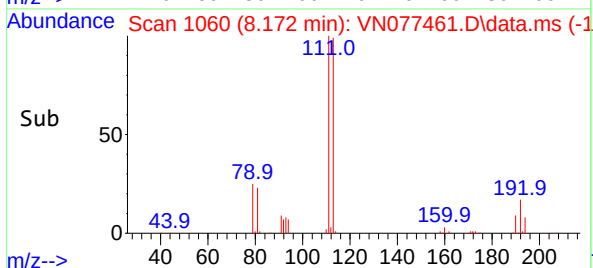
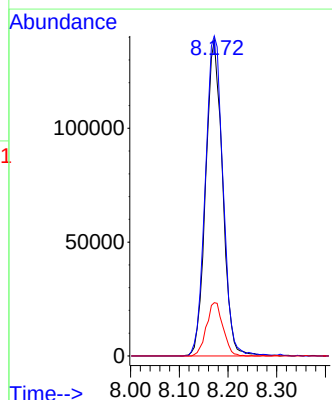
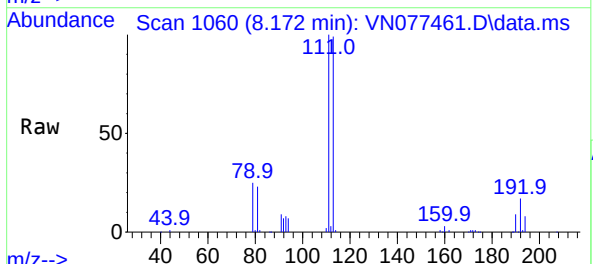
Tgt Ion:113 Resp: 332288

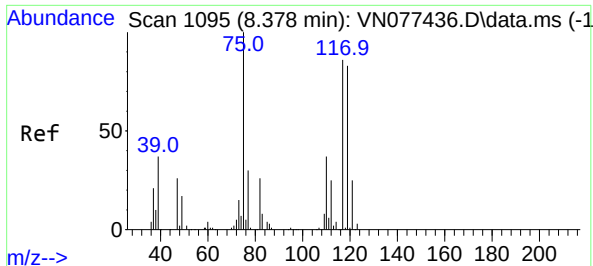
Ion Ratio Lower Upper

113 100

111 105.8 82.6 123.8

192 16.6 12.7 19.1

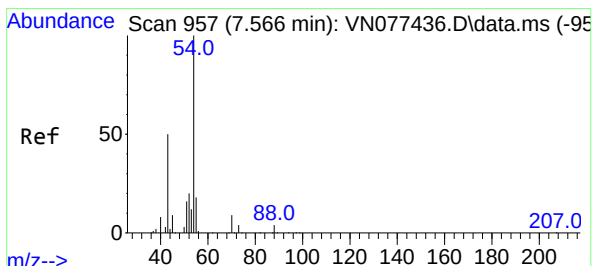
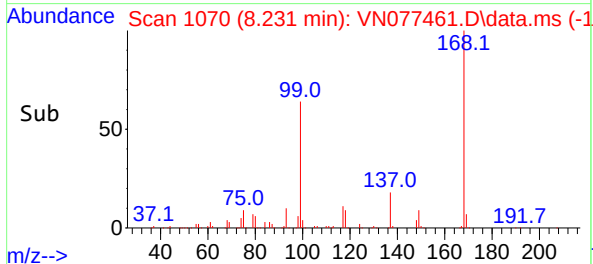
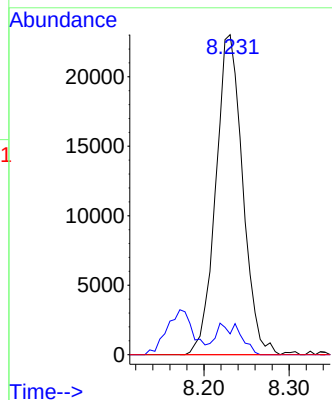
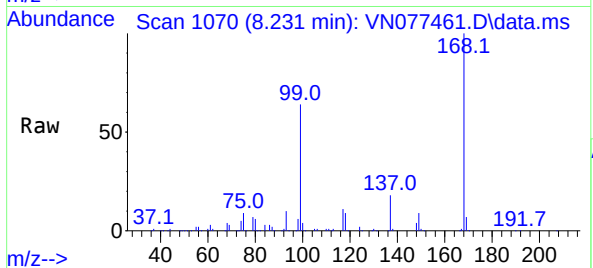




#36
1,1-Dichloropropene
Concen: 5.257 ug/l
RT: 8.231 min Scan# 1095
Delta R.T. -0.147 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

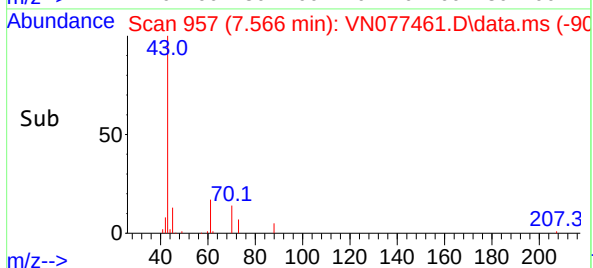
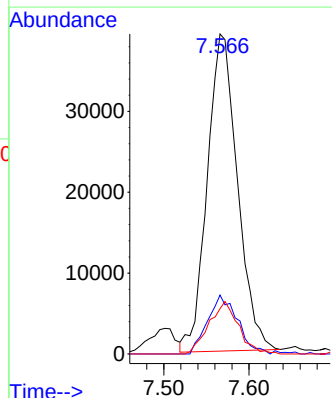
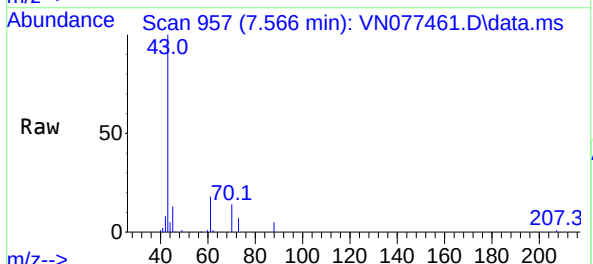
Instrument :
MSVOA_N
ClientSampleId :
SPE-2WC-23-04-18

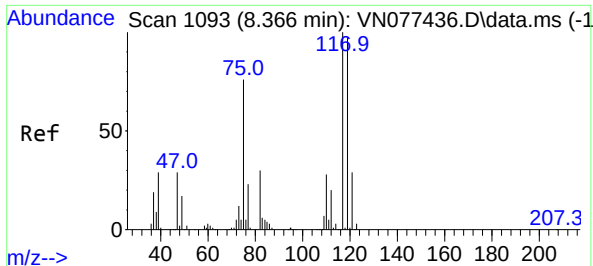
Tgt Ion: 75 Resp: 50407
Ion Ratio Lower Upper
75 100
110 9.2 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 13.276 ug/l
RT: 7.566 min Scan# 957
Delta R.T. -0.000 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

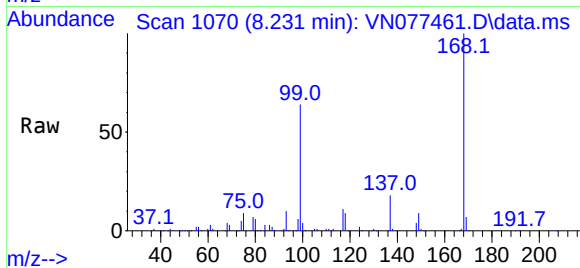
Tgt Ion: 43 Resp: 96731
Ion Ratio Lower Upper
43 100
61 18.4 13.2 19.8
70 16.2 11.3 16.9



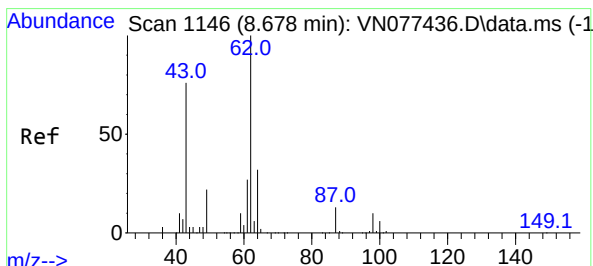
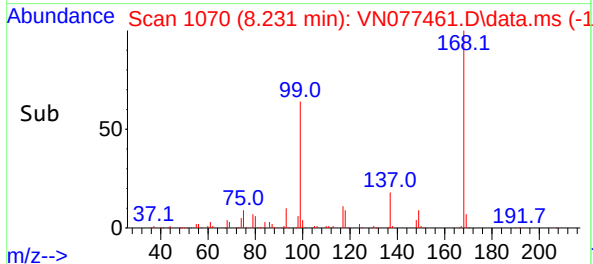
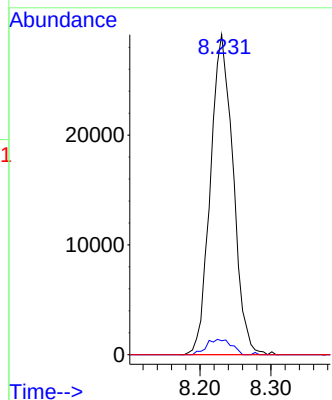


#38
Carbon Tetrachloride
Concen: 6.116 ug/l
RT: 8.231 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

Instrument :
MSVOA_N
ClientSampleId :
SPE-2WC-23-04-18

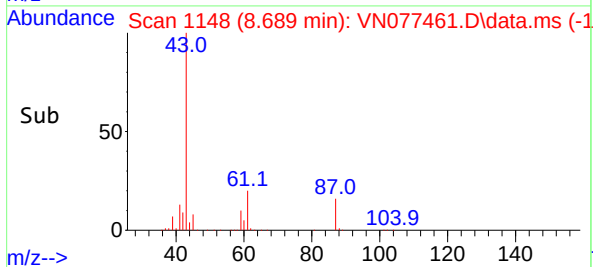
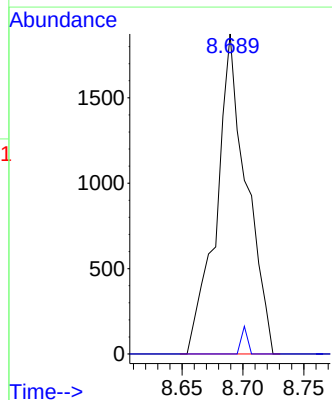
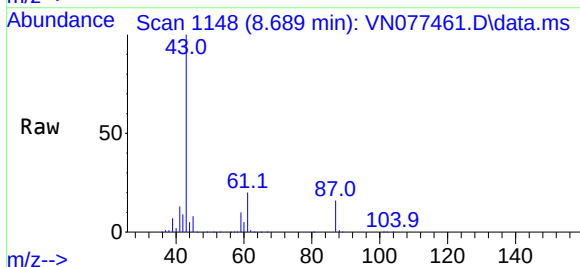


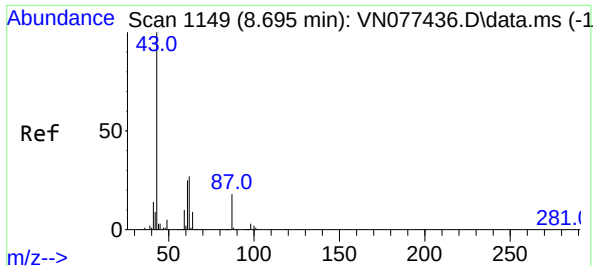
Tgt Ion:117 Resp: 64698
Ion Ratio Lower Upper
117 100
119 4.3 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.322 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. 0.012 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

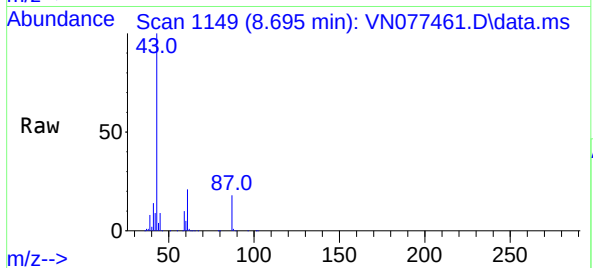
Tgt Ion: 62 Resp: 3231
Ion Ratio Lower Upper
62 100
98 1.8 0.0 19.8



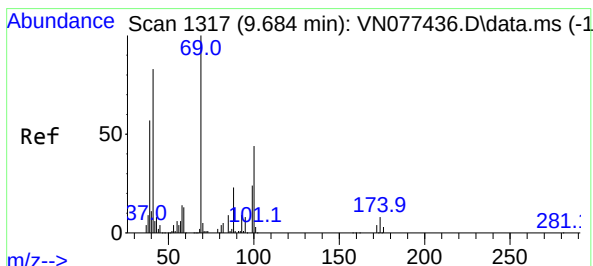
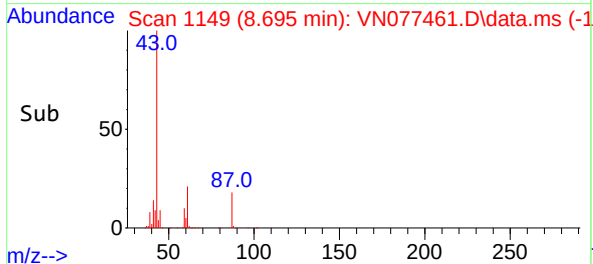
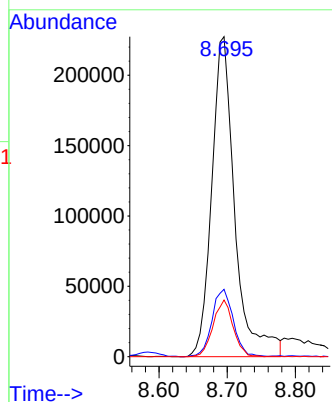


#43
Isopropyl Acetate
Concen: 42.486 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

Instrument :
MSVOA_N
ClientSampleId :
SPE-2WC-23-04-18

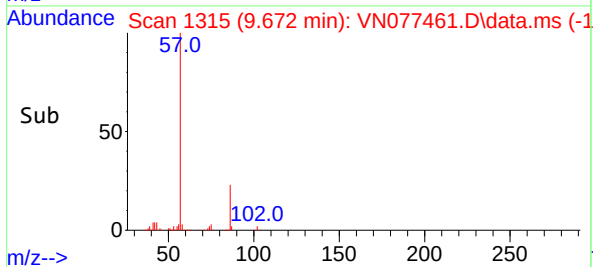
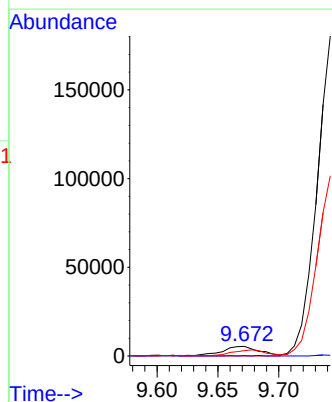
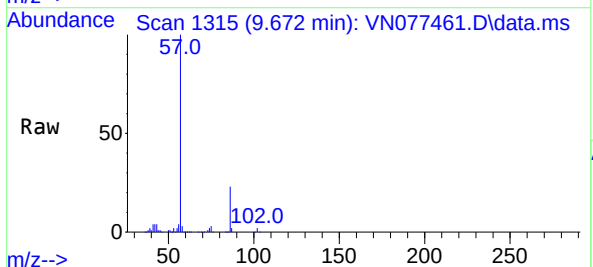


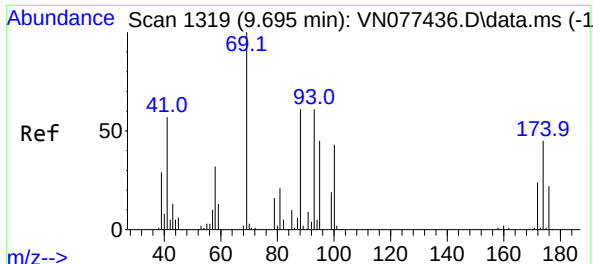
Tgt Ion: 43 Resp: 535549
Ion Ratio Lower Upper
43 100
61 19.4 24.7 37.1#
87 15.4 14.6 21.8



#48
Methyl methacrylate
Concen: 2.020 ug/l
RT: 9.672 min Scan# 1315
Delta R.T. -0.012 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

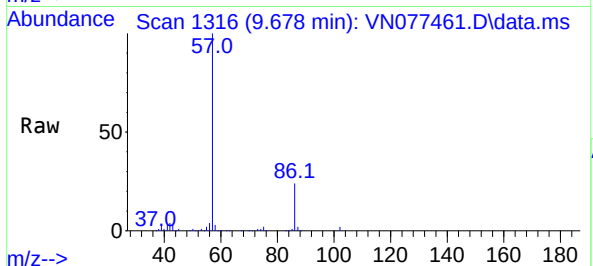
Tgt Ion: 41 Resp: 11591
Ion Ratio Lower Upper
41 100
69 1.4 90.4 135.6#
39 58.3 54.6 81.8



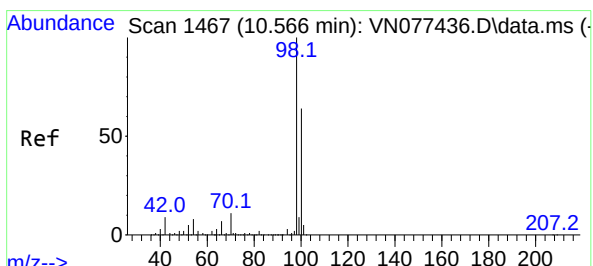
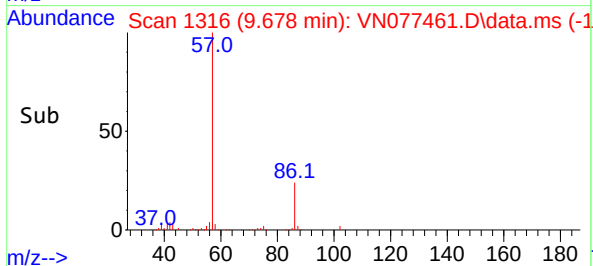
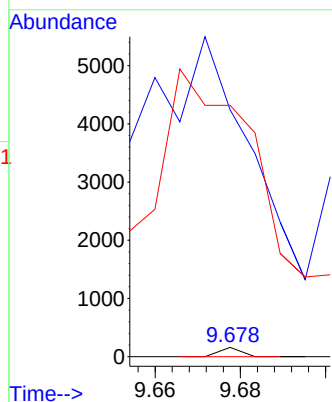


#49
1,4-Dioxane
Concen: 0.389 ug/l
RT: 9.678 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

Instrument :
MSVOA_N
ClientSampleId :
SPE-2WC-23-04-18

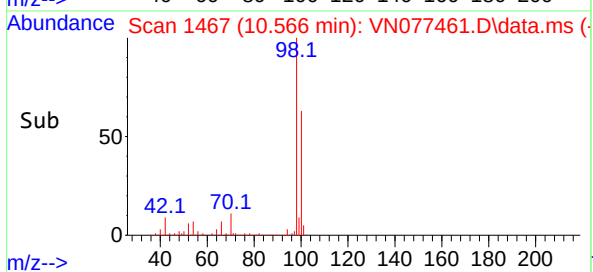
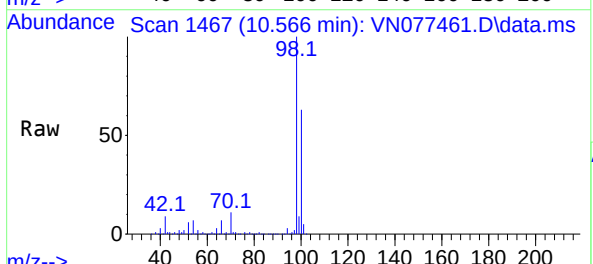
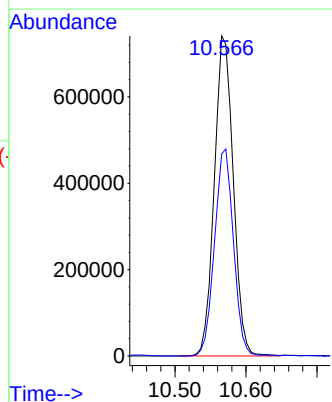


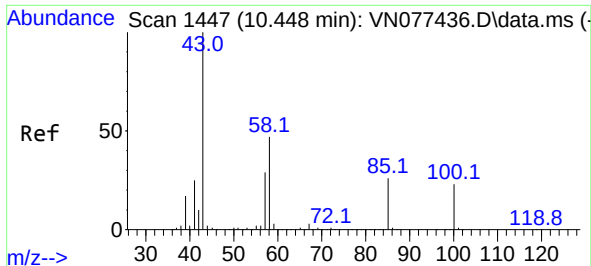
Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 19146.4 47.0 70.4#



#50
Toluene-d8
Concen: 53.977 ug/l
RT: 10.566 min Scan# 1467
Delta R.T. -0.000 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

Tgt Ion: 98 Resp: 1373010
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 4.405 ug/l

RT: 10.448 min Scan# 1447

Delta R.T. -0.000 min

Lab File: VN077461.D

Acq: 25 Apr 2023 10:30

Instrument :

MSVOA_N

ClientSampleId :

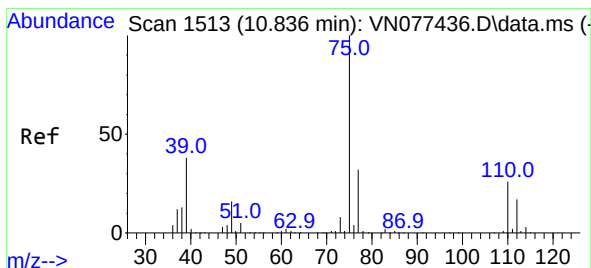
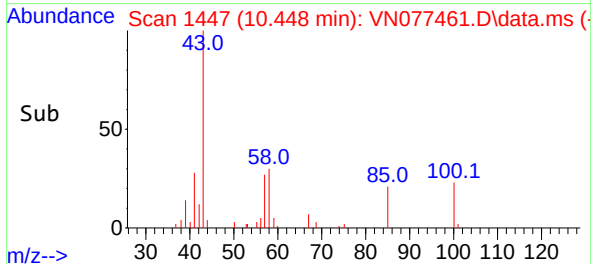
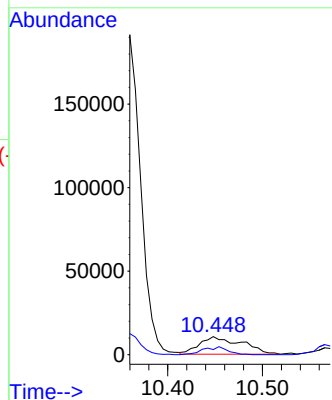
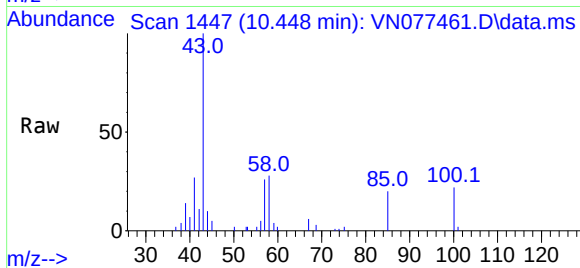
SPE-2WC-23-04-18

Tgt Ion: 43 Resp: 32572

Ion Ratio Lower Upper

43 100

58 26.2 36.6 54.8#



#53

t-1,3-Dichloropropene

Concen: 0.342 ug/l

RT: 10.725 min Scan# 1494

Delta R.T. -0.112 min

Lab File: VN077461.D

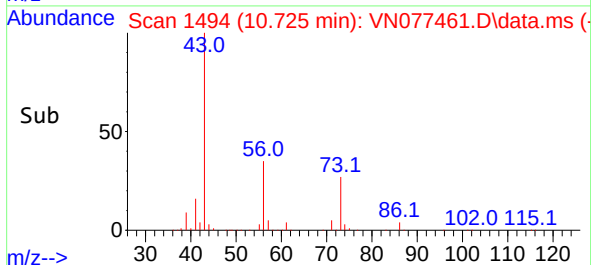
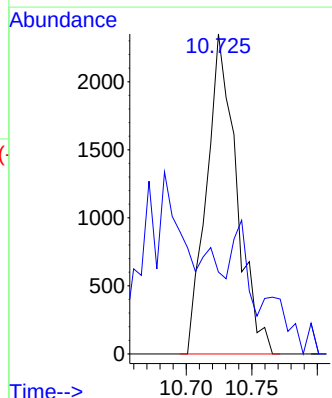
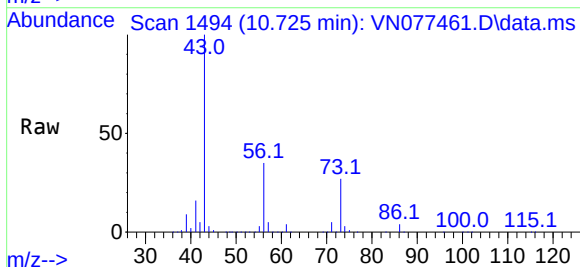
Acq: 25 Apr 2023 10:30

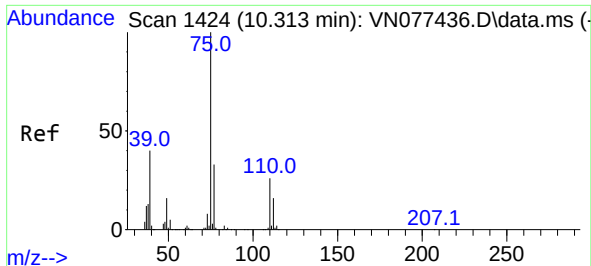
Tgt Ion: 75 Resp: 3724

Ion Ratio Lower Upper

75 100

77 8.4 25.4 38.0#

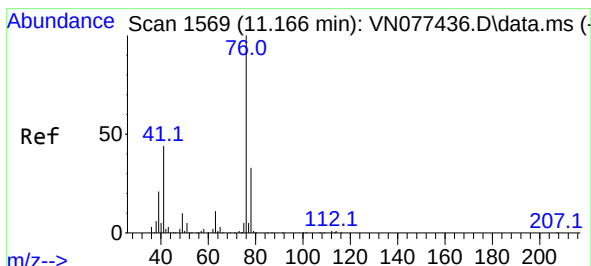
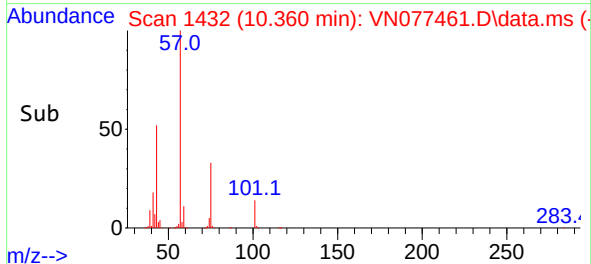
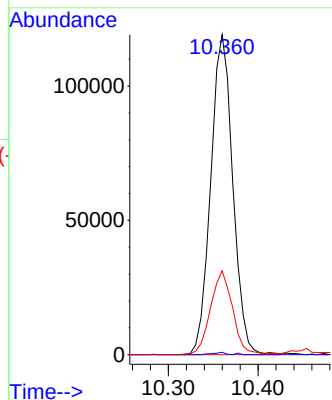
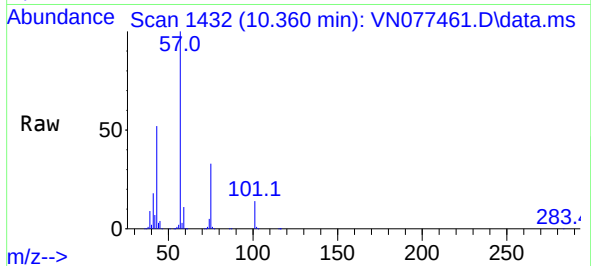




#54
 cis-1,3-Dichloropropene
 Concen: 17.170 ug/l
 RT: 10.360 min Scan# 1424
 Delta R.T. 0.047 min
 Lab File: VN077461.D
 Acq: 25 Apr 2023 10:30

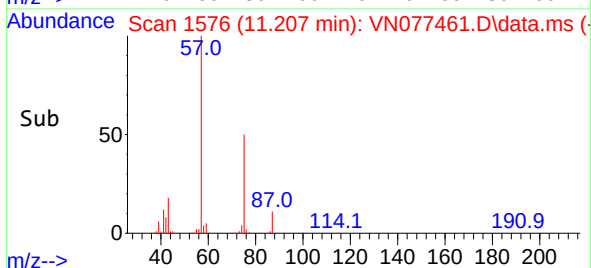
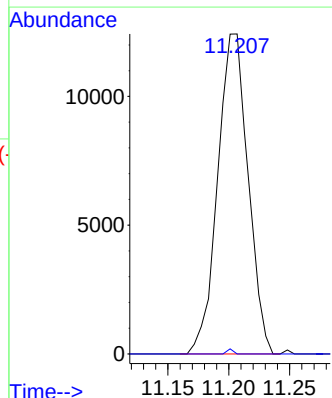
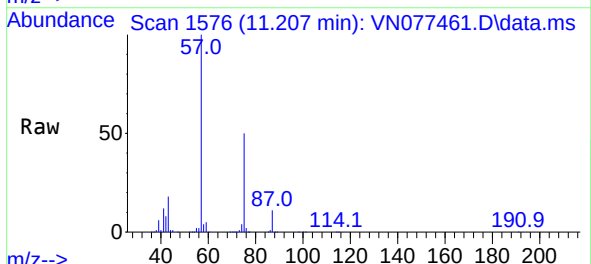
Instrument :
 MSVOA_N
 ClientSampleId :
 SPE-2WC-23-04-18

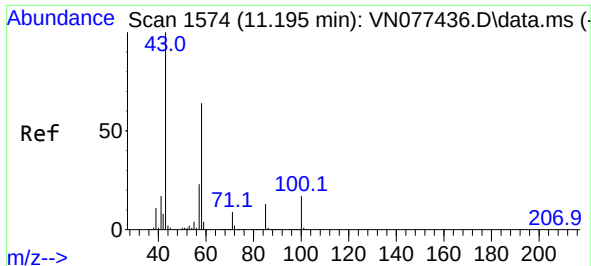
Tgt Ion: 75 Resp: 203235
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.1 39.1#
 39 26.2 31.6 47.4#



#57
 1,3-Dichloropropane
 Concen: 1.760 ug/l
 RT: 11.207 min Scan# 1576
 Delta R.T. 0.041 min
 Lab File: VN077461.D
 Acq: 25 Apr 2023 10:30

Tgt Ion: 76 Resp: 21575
 Ion Ratio Lower Upper
 76 100
 78 0.3 26.1 39.1#

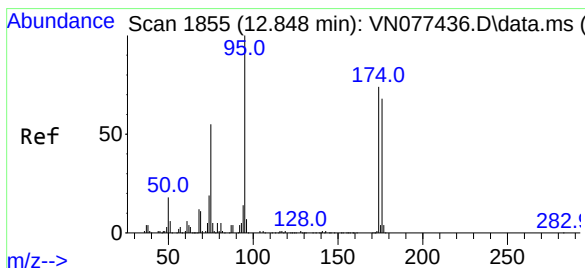
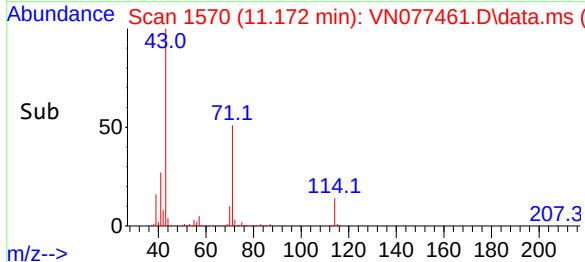
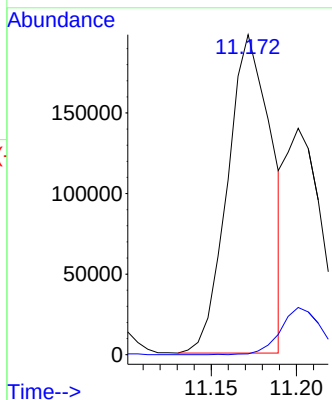
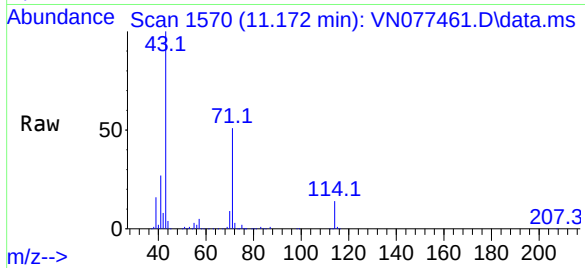




#59
2-Hexanone
Concen: 65.494 ug/l
RT: 11.172 min Scan# 11170
Delta R.T. -0.024 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

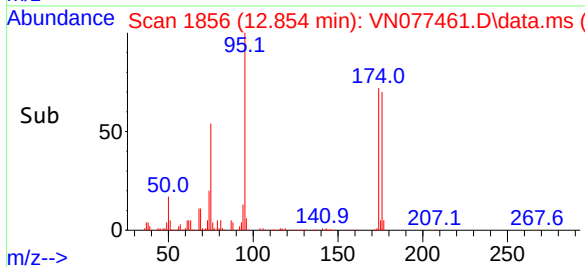
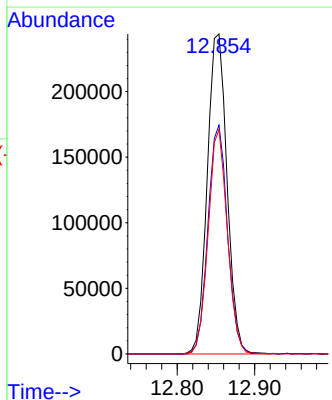
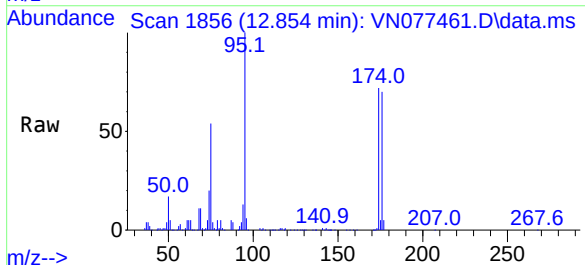
Instrument :
MSVOA_N
ClientSampleId :
SPE-2WC-23-04-18

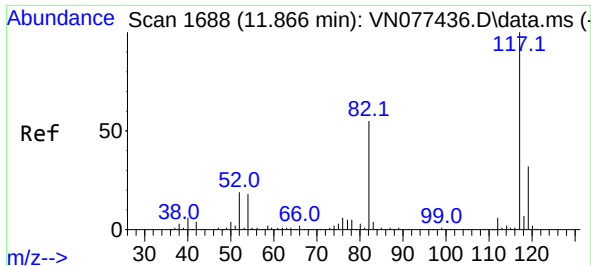
Tgt Ion: 43 Resp: 351982
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 51.880 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

Tgt Ion: 95 Resp: 431760
Ion Ratio Lower Upper
95 100
174 70.4 0.0 143.8
176 67.7 0.0 135.8

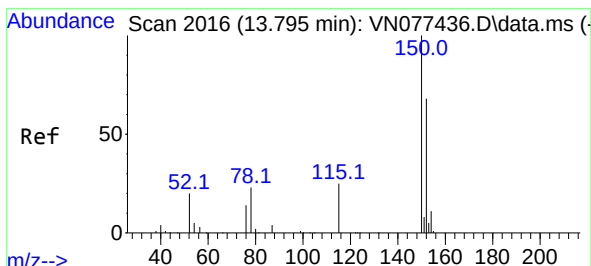
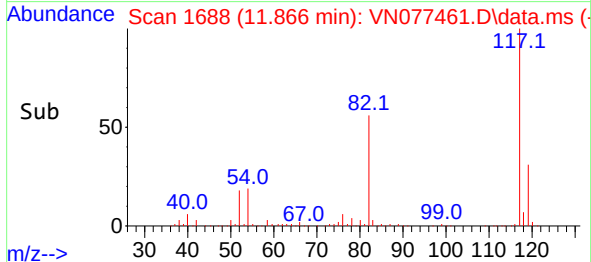
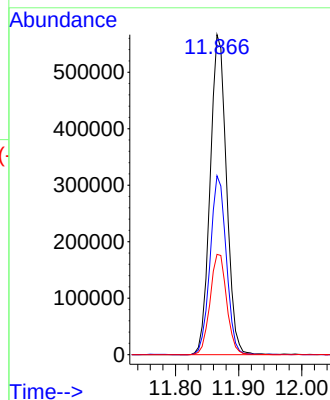
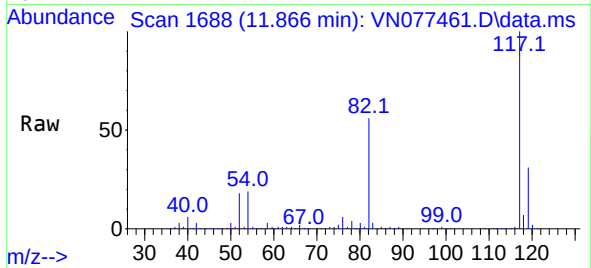




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

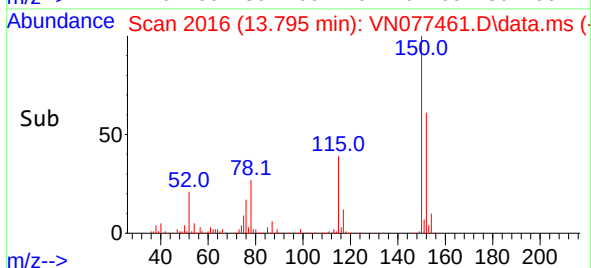
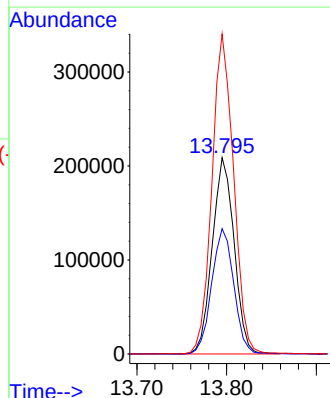
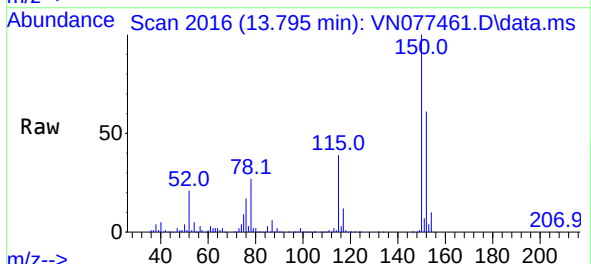
Instrument :
MSVOA_N
ClientSampleId :
SPE-2WC-23-04-18

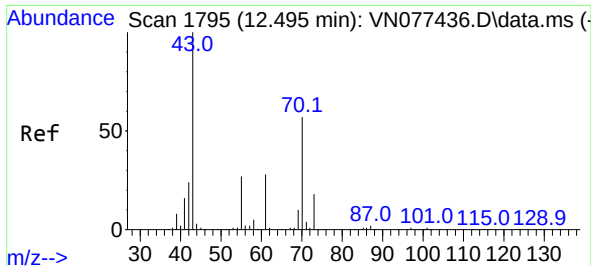
Tgt Ion:117 Resp: 1017433
Ion Ratio Lower Upper
117 100
82 55.9 44.0 66.0
119 31.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

Tgt Ion:152 Resp: 354253
Ion Ratio Lower Upper
152 100
115 64.5 32.3 96.8
150 161.4 0.0 355.8

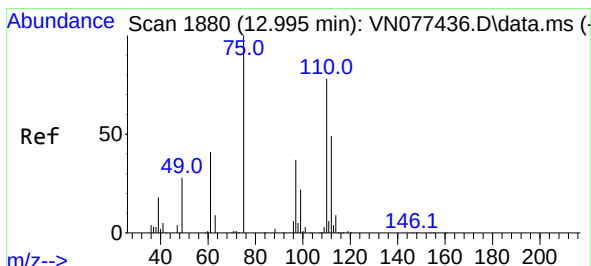
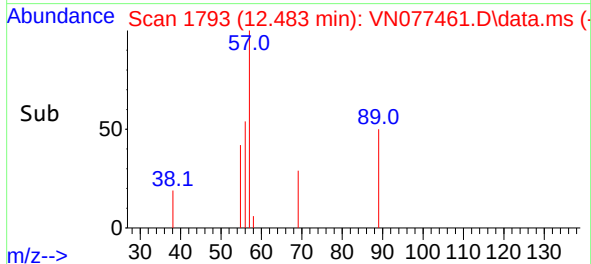
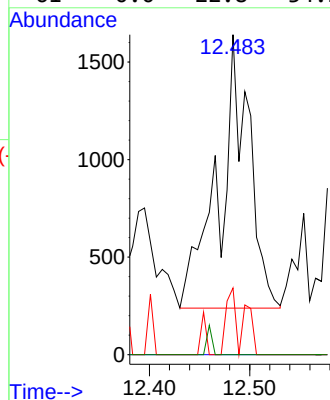
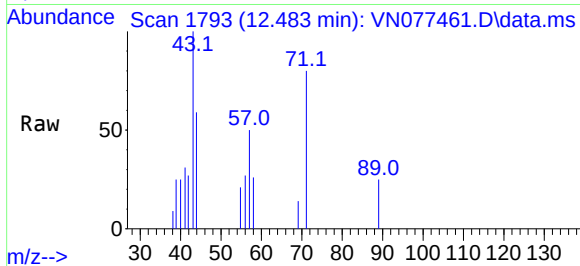




#74
N-amy1 acetate
Concen: 0.302 ug/l
RT: 12.483 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

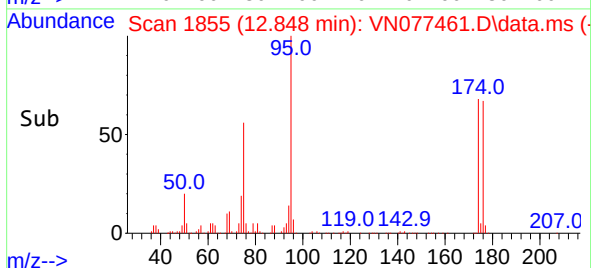
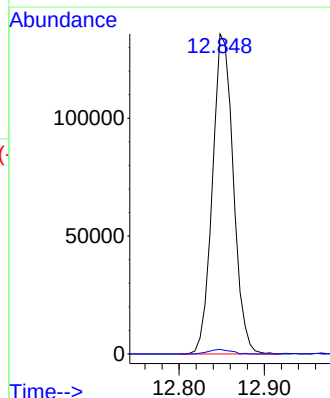
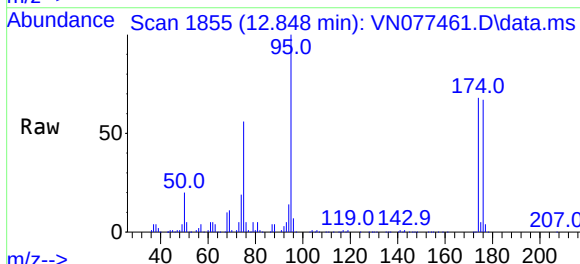
Instrument :
MSVOA_N
ClientSampleId :
SPE-2WC-23-04-18

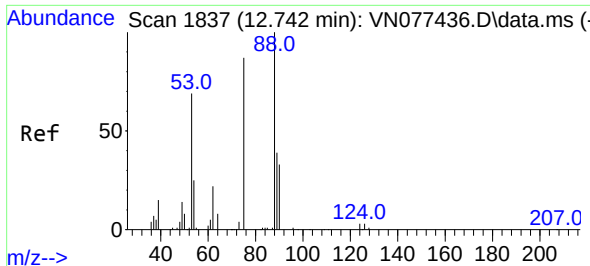
Tgt Ion: 43	Resp: 2942
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 7.4	21.4 32.0#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 27.987 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

Tgt Ion: 75	Resp: 230551
Ion Ratio	Lower Upper
75 100	
77 1.5	84.5 253.5#

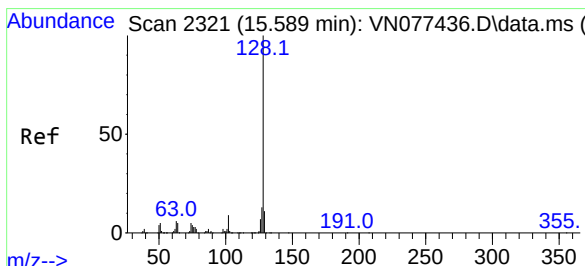
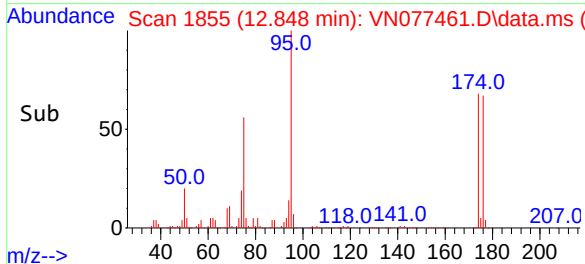
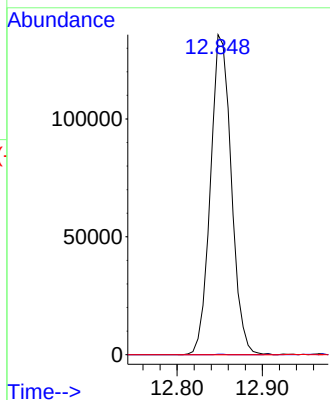
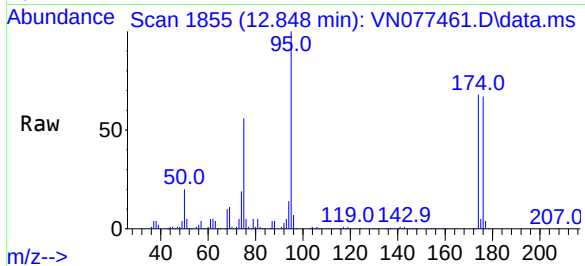




#81
trans-1,4-Dichloro-2-butene
Concen: 79.068 ug/l
RT: 12.848 min Scan# 1837
Delta R.T. 0.106 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

Instrument :
MSVOA_N
ClientSampleId :
SPE-2WC-23-04-18

Tgt Ion: 75 Resp: 230551
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 1.251 ug/l
RT: 15.601 min Scan# 2323
Delta R.T. 0.012 min
Lab File: VN077461.D
Acq: 25 Apr 2023 10:30

Tgt Ion:128 Resp: 1042
Ion Ratio Lower Upper
128 100
127 8.1 10.0 15.0#
129 0.0 8.7 13.1#

