

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042923\
 Data File : VN077525.D
 Acq On : 29 Apr 2023 17:41
 Operator : JC\MD
 Sample : 02502-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BU-511-VOC-01

Quant Time: May 01 01:25:09 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

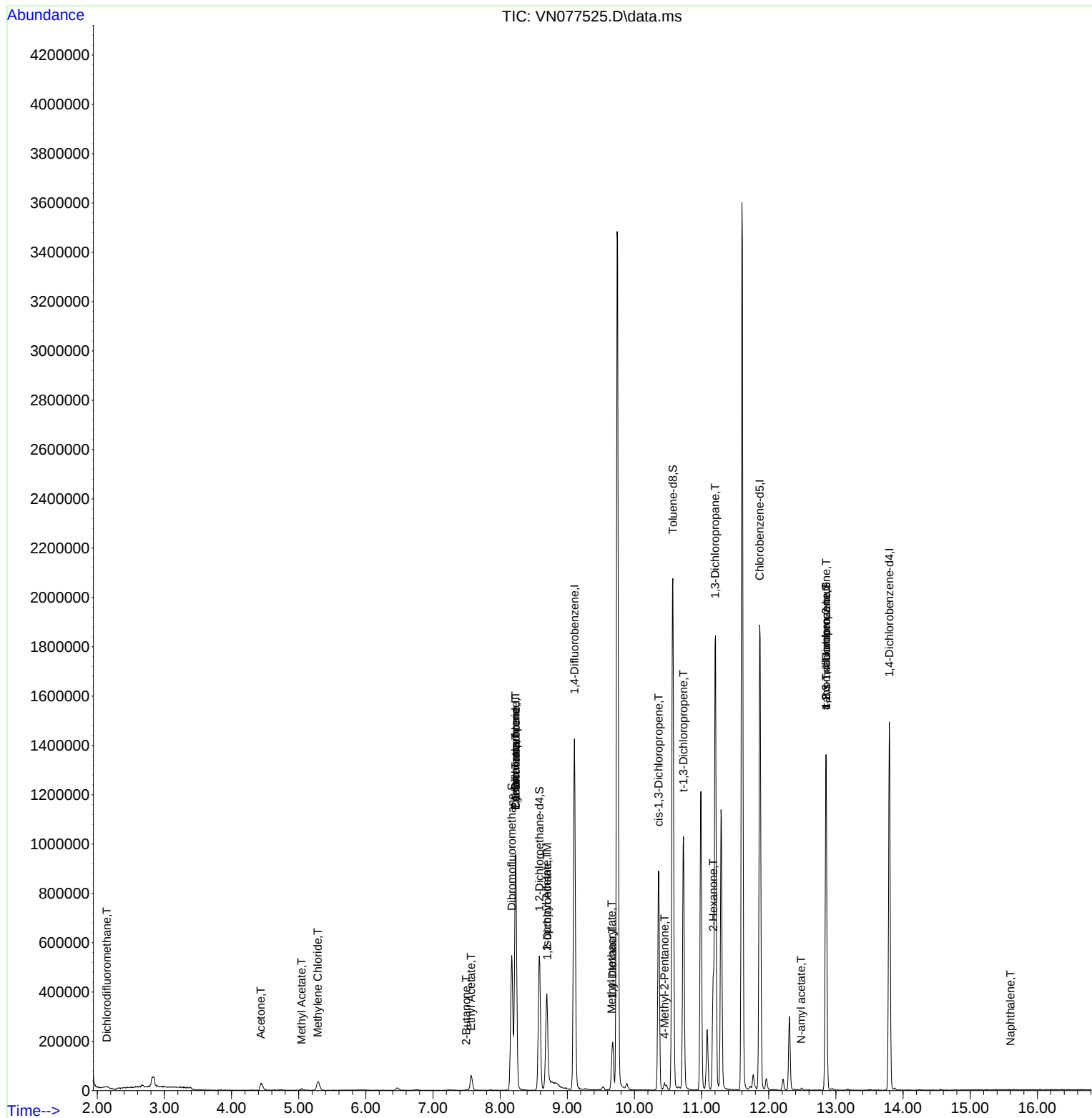
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	676595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1284004	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1165860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	403188	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	456509	51.707	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.420%	
35) Dibromofluoromethane	8.172	113	386929	50.137	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.280%	
50) Toluene-d8	10.572	98	1568733	53.038	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.080%	
62) 4-Bromofluorobenzene	12.854	95	490413	50.678	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.360%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.143	85	199	0.332	ug/l #	43
16) Acetone	4.437	43	50080	17.830	ug/l	93
18) Methyl Acetate	5.042	43	11225	1.035	ug/l #	79
20) Methylene Chloride	5.284	84	30945	3.474	ug/l #	82
25) 2-Butanone	7.495	43	4012	1.007	ug/l #	85
31) Cyclohexane	8.230	56	16935	1.354	ug/l #	52
36) 1,1-Dichloropropene	8.230	75	58148	5.215	ug/l #	50
37) Ethyl Acetate	7.566	43	83927	9.906	ug/l	98
38) Carbon Tetrachloride	8.230	117	74545	6.060	ug/l #	15
42) 1,2-Dichloroethane	8.701	62	3394	0.291	ug/l #	73
43) Isopropyl Acetate	8.695	43	461043	31.455	ug/l #	85
48) Methyl methacrylate	9.660	41	10343	1.550	ug/l #	31
49) 1,4-Dioxane	9.672	88	71	0.424	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	14061	1.636	ug/l	92
53) t-1,3-Dichloropropene	10.730	75	3782	0.299	ug/l #	70
54) cis-1,3-Dichloropropene	10.360	75	187466	13.620	ug/l #	61
57) 1,3-Dichloropropane	11.201	76	22812	1.601	ug/l #	44
59) 2-Hexanone	11.171	43	317374	50.787	ug/l #	19
74) N-amyl acetate	12.483	43	2784	0.251	ug/l #	46
76) 1,2,3-Trichloropropane	12.854	75	266799	28.456	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	266799	80.394	ug/l #	15
95) Naphthalene	15.601	128	62	1.146	ug/l #	70

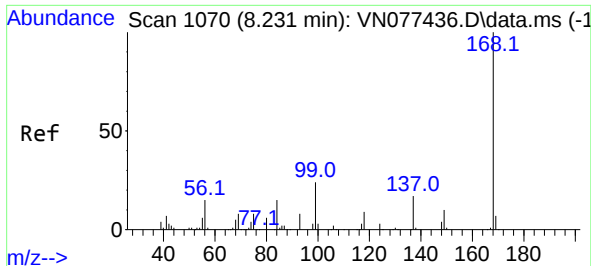
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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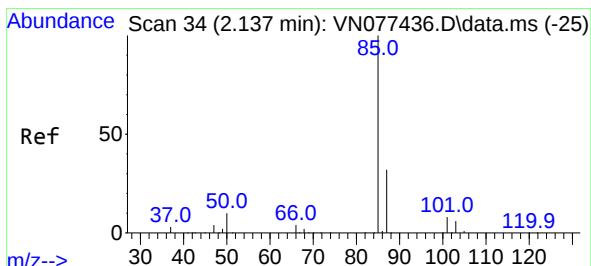
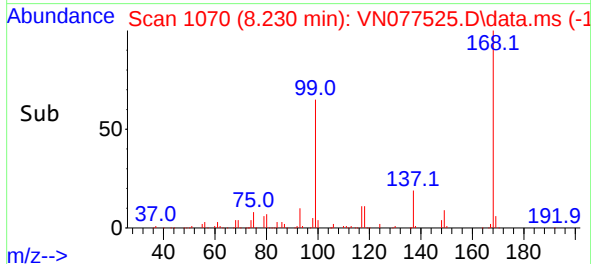
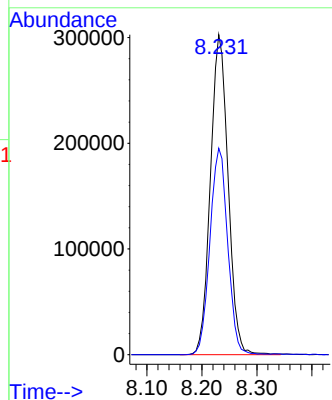
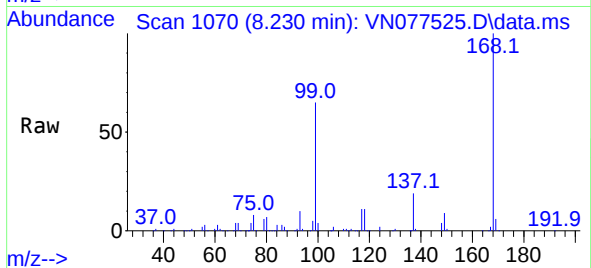




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

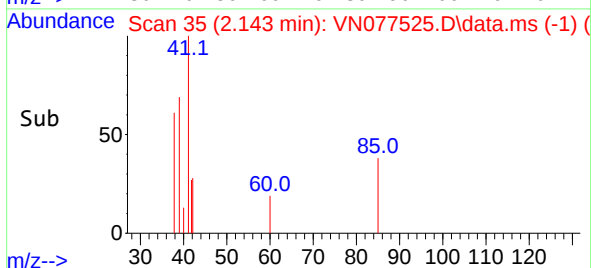
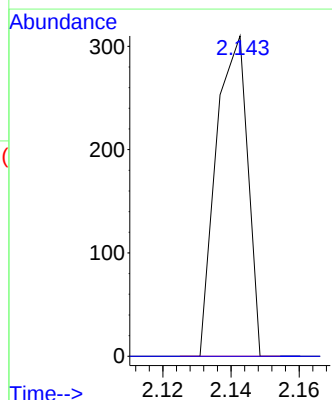
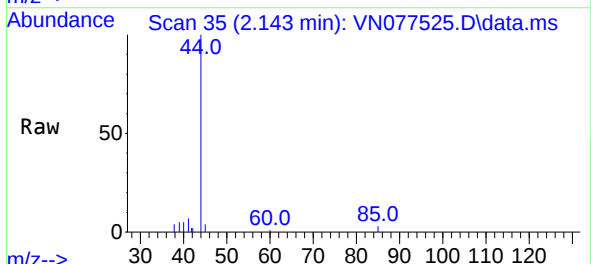
Instrument :
MSVOA_N
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BU-511-VOC-01

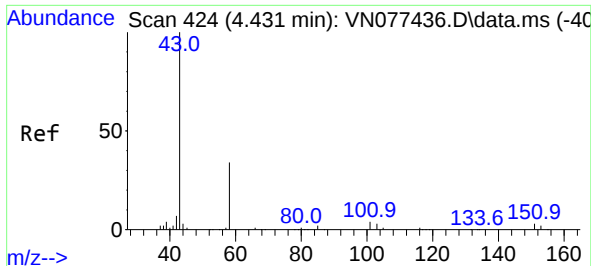
Tgt Ion:168 Resp: 676595
Ion Ratio Lower Upper
168 100
99 64.5 53.0 79.6



#2
Dichlorodifluoromethane
Concen: 0.332 ug/l
RT: 2.143 min Scan# 35
Delta R.T. 0.006 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

Tgt Ion: 85 Resp: 199
Ion Ratio Lower Upper
85 100
87 0.0 15.8 47.4#

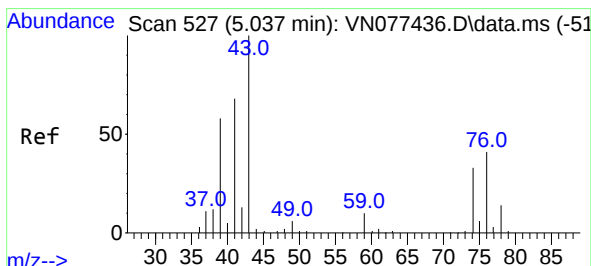
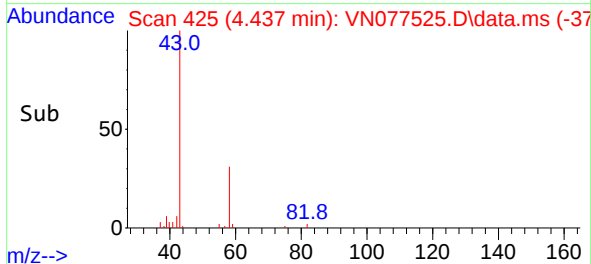
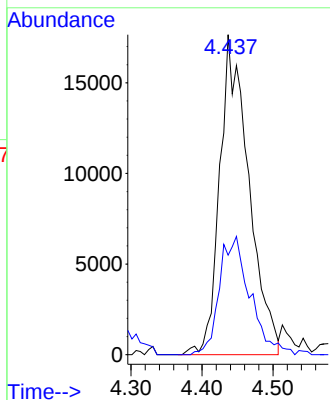
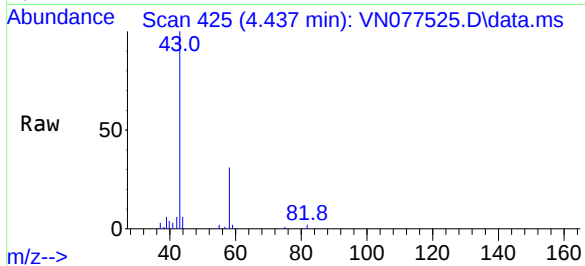




#16
Acetone
Concen: 17.830 ug/l
RT: 4.437 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

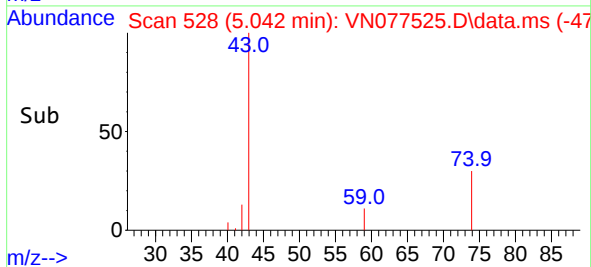
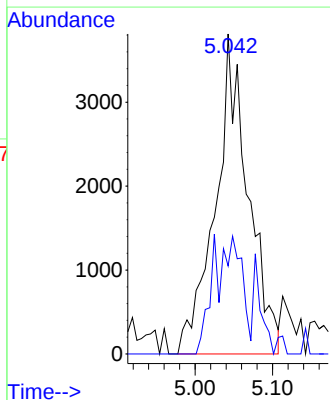
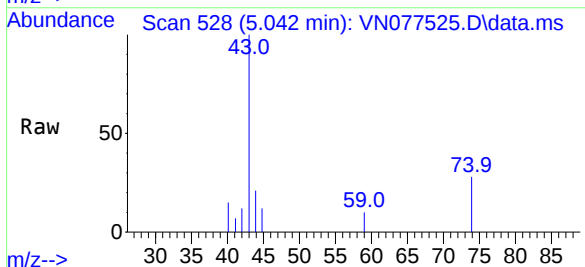
Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-01

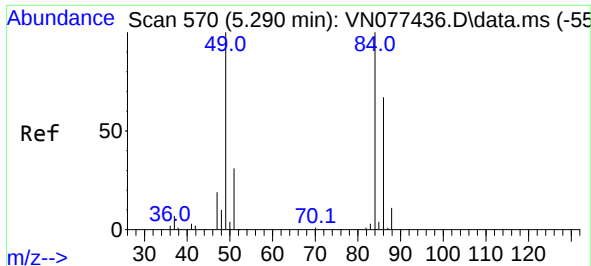
Tgt Ion: 43 Resp: 50080
Ion Ratio Lower Upper
43 100
58 31.1 28.0 42.0



#18
Methyl Acetate
Concen: 1.035 ug/l
RT: 5.042 min Scan# 528
Delta R.T. 0.006 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

Tgt Ion: 43 Resp: 11225
Ion Ratio Lower Upper
43 100
74 21.0 26.2 39.4#

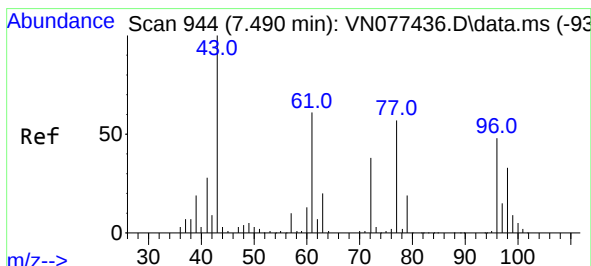
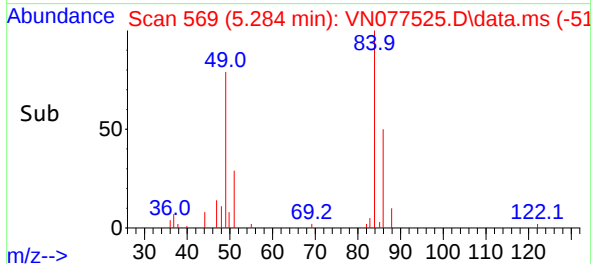
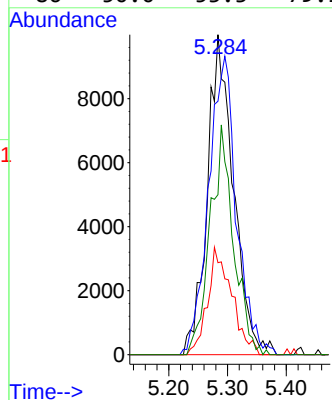
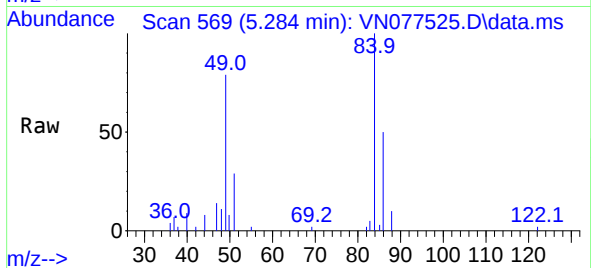




#20
Methylene Chloride
Concen: 3.474 ug/l
RT: 5.284 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

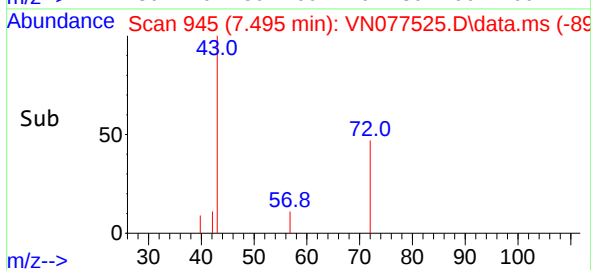
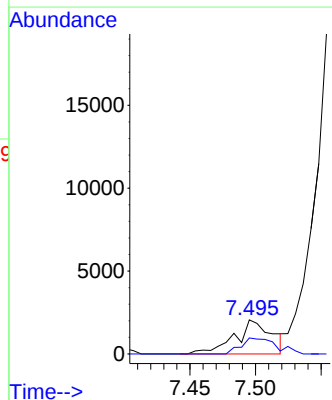
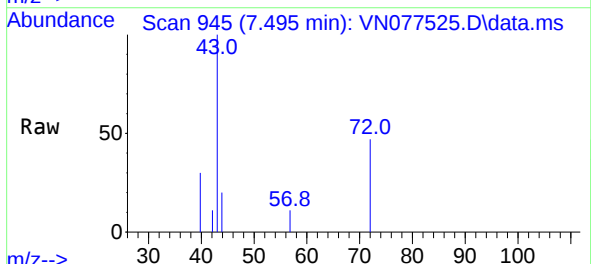
Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-01

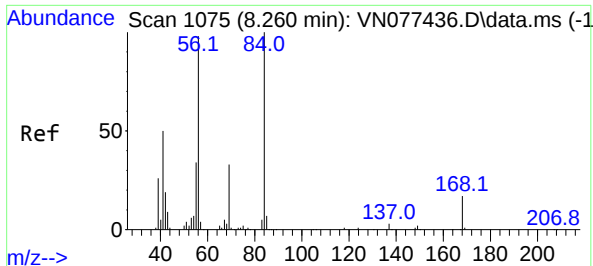
Tgt Ion: 84 Resp: 30945
Ion Ratio Lower Upper
84 100
49 79.2 79.7 119.5#
51 28.7 25.2 37.8
86 50.0 53.3 79.9#



#25
2-Butanone
Concen: 1.007 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

Tgt Ion: 43 Resp: 4012
Ion Ratio Lower Upper
43 100
72 46.9 30.2 45.2#





#31

Cyclohexane

Concen: 1.354 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.030 min

Lab File: VN077525.D

Acq: 29 Apr 2023 17:41

Instrument :

MSVOA_N

ClientSampleId :

BU-511-VOC-01

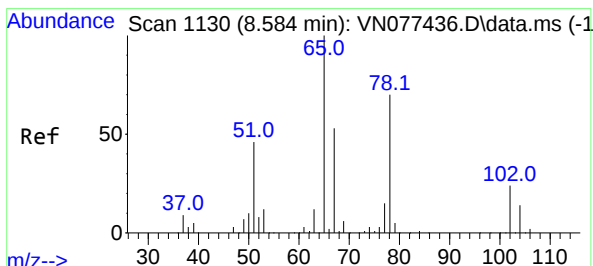
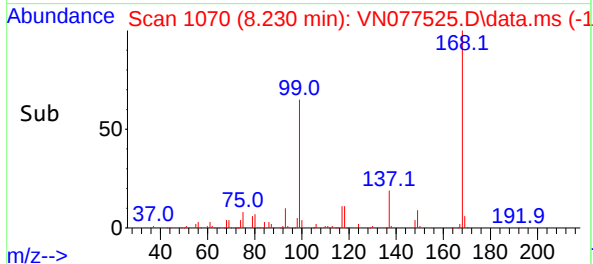
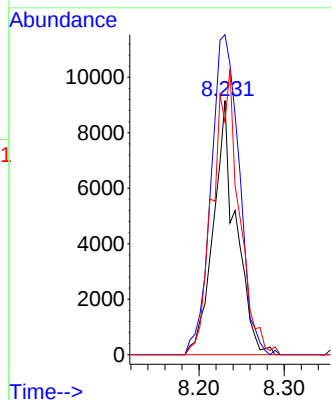
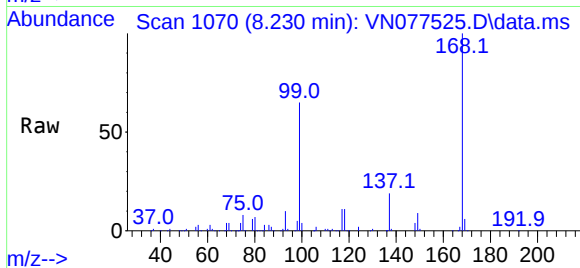
Tgt Ion: 56 Resp: 16935

Ion Ratio Lower Upper

56 100

69 126.0 26.8 40.2#

84 91.7 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 51.707 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077525.D

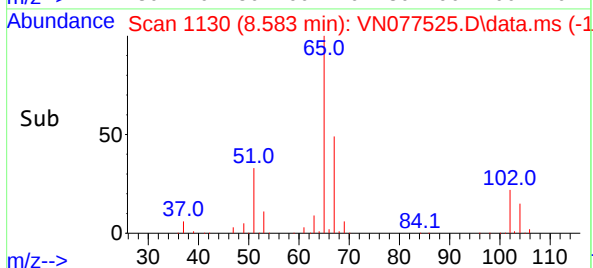
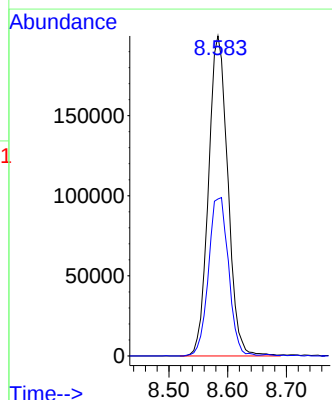
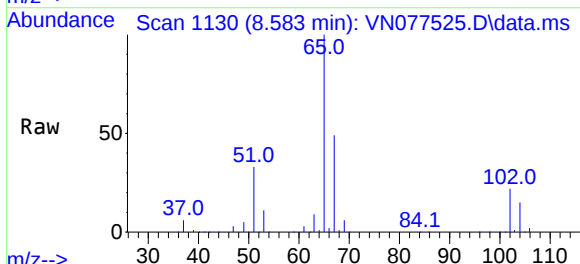
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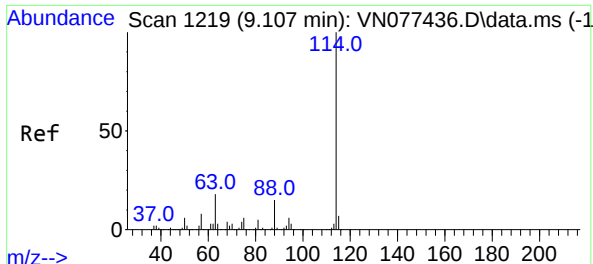
Tgt Ion: 65 Resp: 456509

Ion Ratio Lower Upper

65 100

67 51.3 0.0 106.6

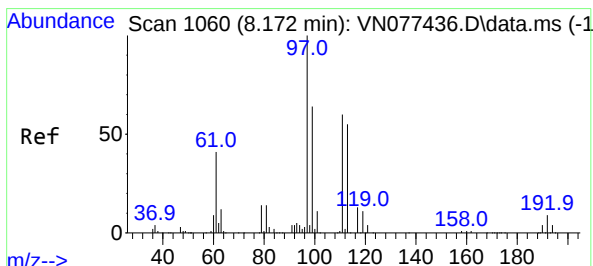
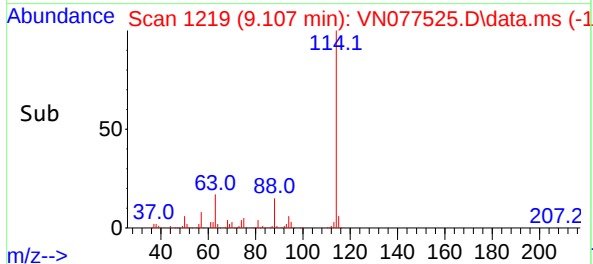
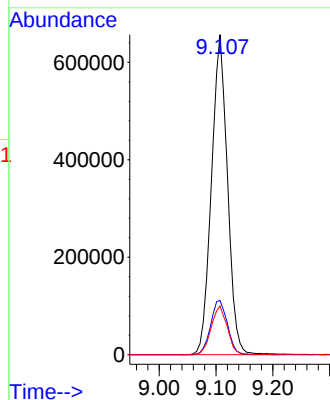
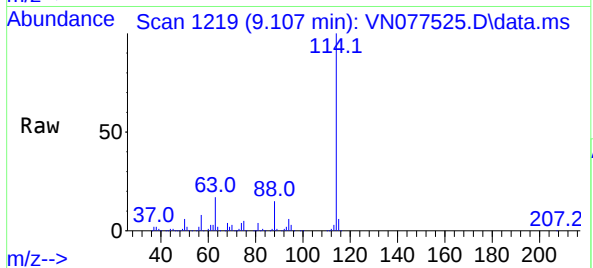




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

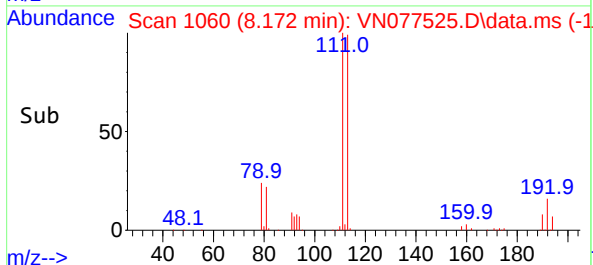
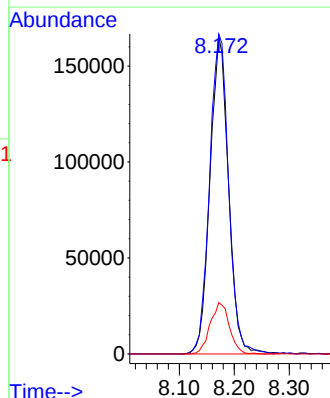
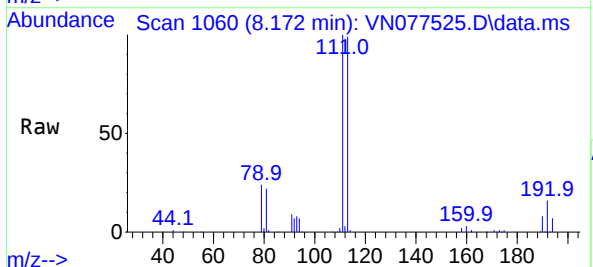
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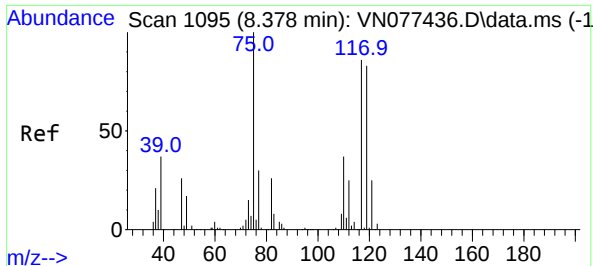
Tgt Ion:114 Resp: 1284004
Ion Ratio Lower Upper
114 100
63 17.0 0.0 36.4
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.137 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

Tgt Ion:113 Resp: 386929
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 16.8 12.7 19.1

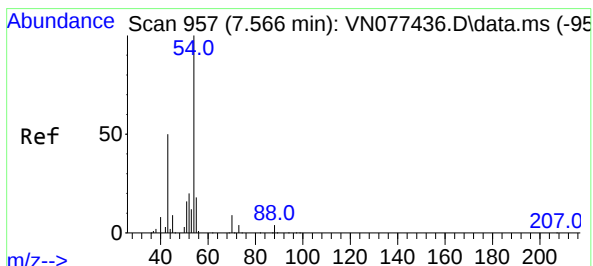
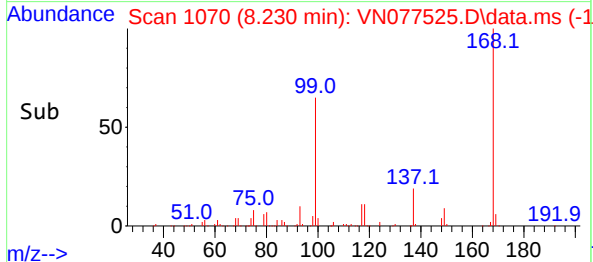
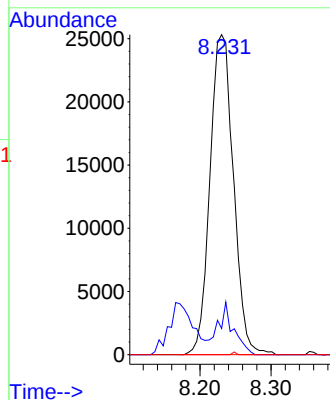
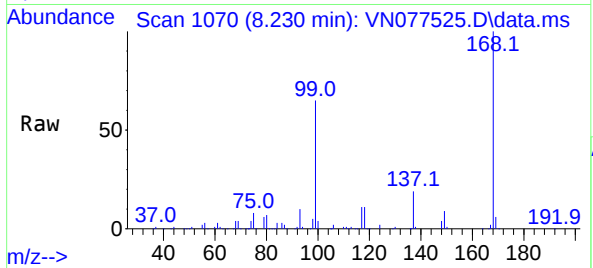




#36
1,1-Dichloropropene
Concen: 5.215 ug/l
RT: 8.230 min Scan# 1095
Delta R.T. -0.147 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

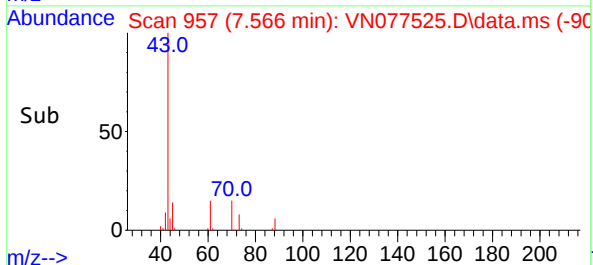
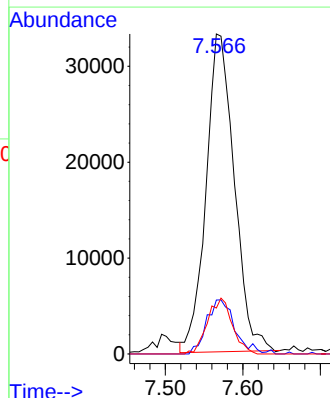
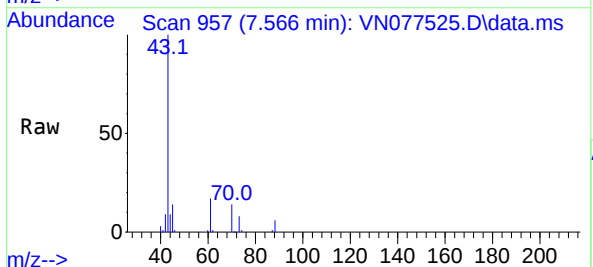
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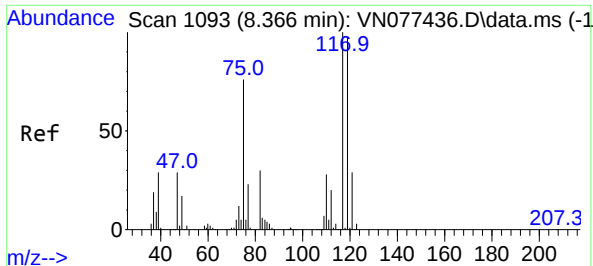
Tgt Ion: 75 Resp: 58148
Ion Ratio Lower Upper
75 100
110 11.3 19.1 57.3#
77 0.1 25.0 37.4#



#37
Ethyl Acetate
Concen: 9.906 ug/l
RT: 7.566 min Scan# 957
Delta R.T. -0.000 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

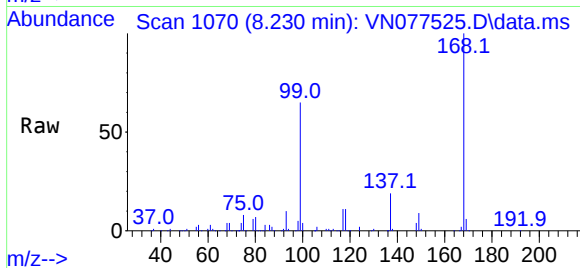
Tgt Ion: 43 Resp: 83927
Ion Ratio Lower Upper
43 100
61 17.1 13.2 19.8
70 15.4 11.3 16.9



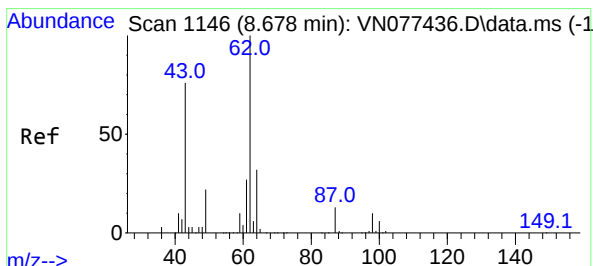
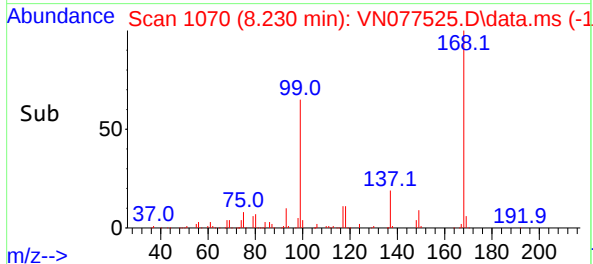
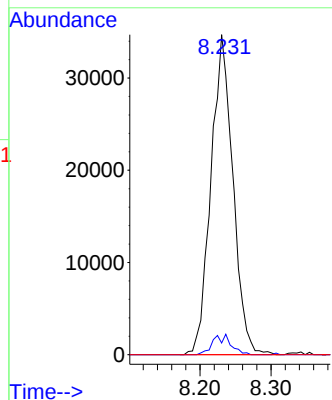


#38
Carbon Tetrachloride
Concen: 6.060 ug/l
RT: 8.230 min Scan# 1150
Delta R.T. -0.135 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-01

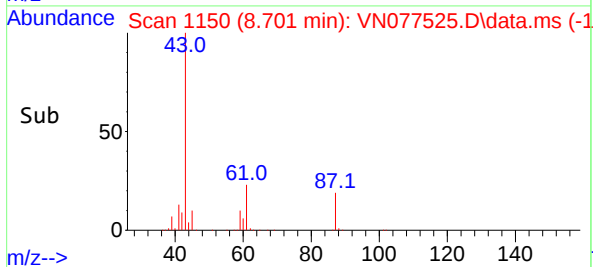
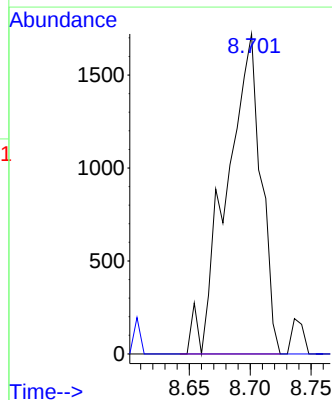
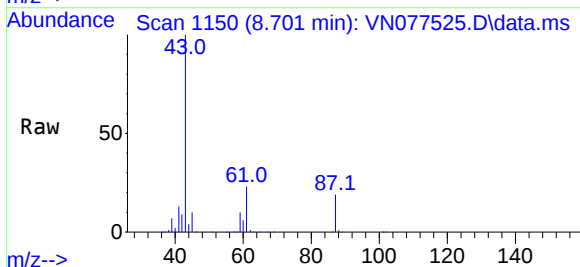


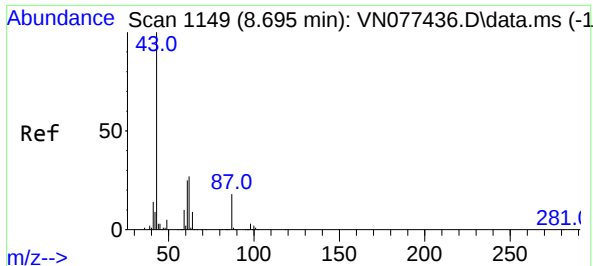
Tgt Ion:117 Resp: 74545
Ion Ratio Lower Upper
117 100
119 3.6 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.291 ug/l
RT: 8.701 min Scan# 1150
Delta R.T. 0.023 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

Tgt Ion: 62 Resp: 3394
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

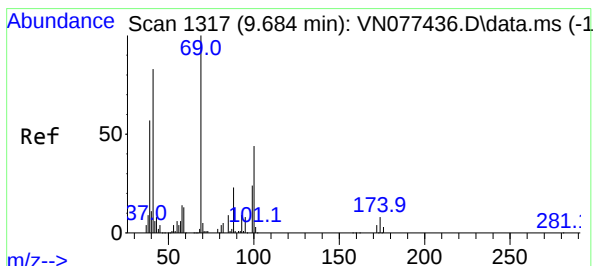
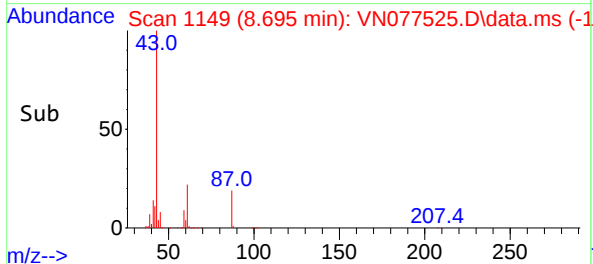
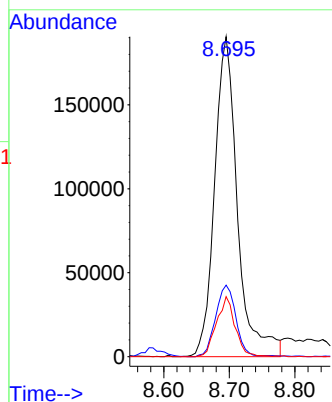
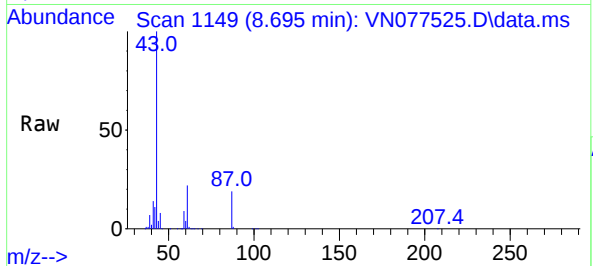




#43
Isopropyl Acetate
Concen: 31.455 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

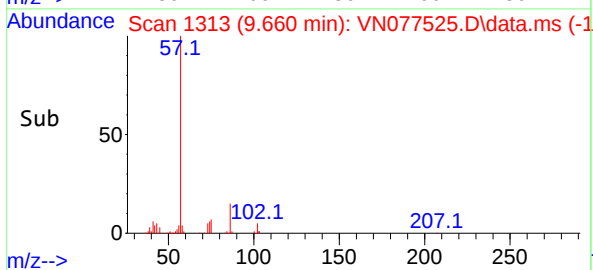
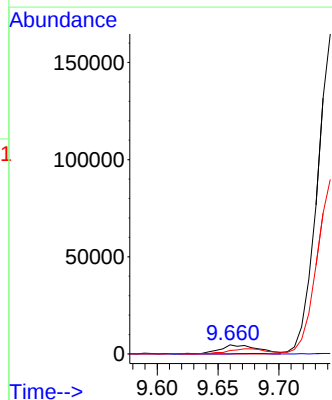
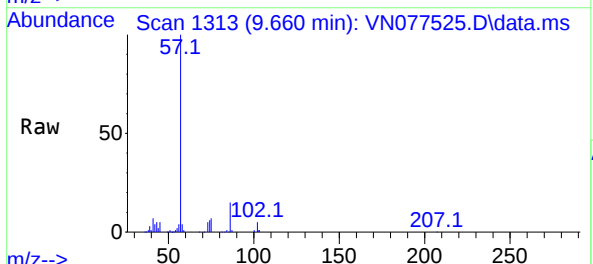
Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-01

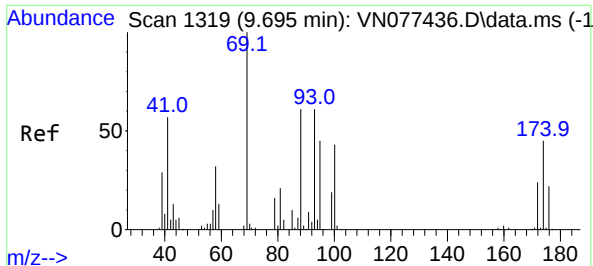
Tgt Ion: 43 Resp: 461043
Ion Ratio Lower Upper
43 100
61 19.7 24.7 37.1#
87 15.3 14.6 21.8



#48
Methyl methacrylate
Concen: 1.550 ug/l
RT: 9.660 min Scan# 1313
Delta R.T. -0.024 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

Tgt Ion: 41 Resp: 10343
Ion Ratio Lower Upper
41 100
69 3.6 90.4 135.6#
39 56.9 54.6 81.8

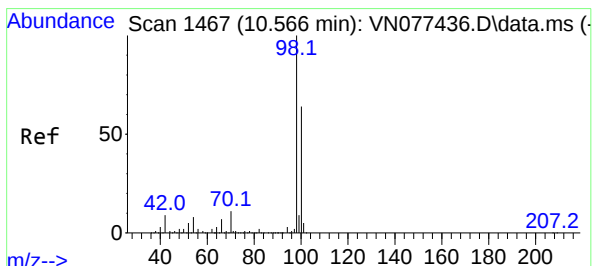
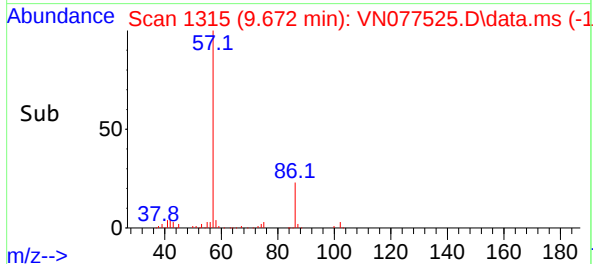
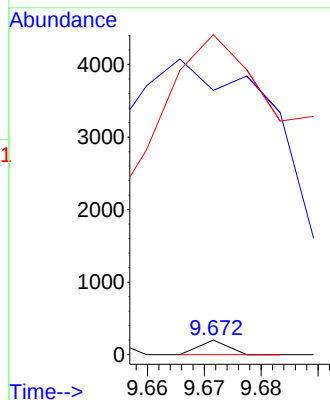
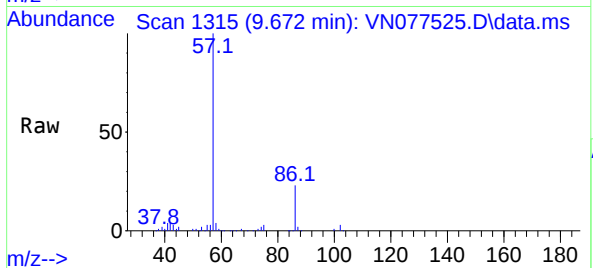




#49
1,4-Dioxane
Concen: 0.424 ug/l
RT: 9.672 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

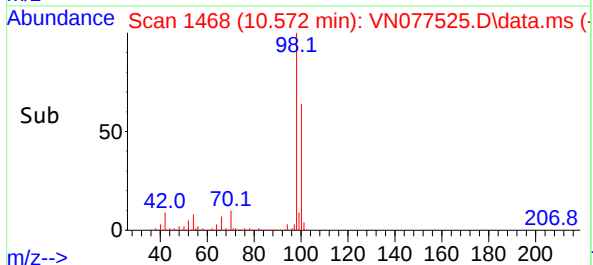
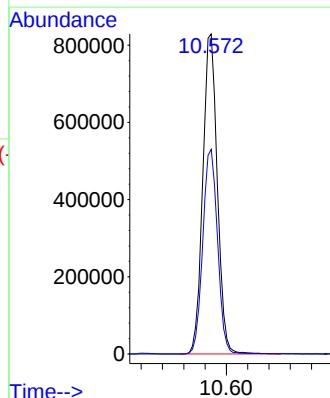
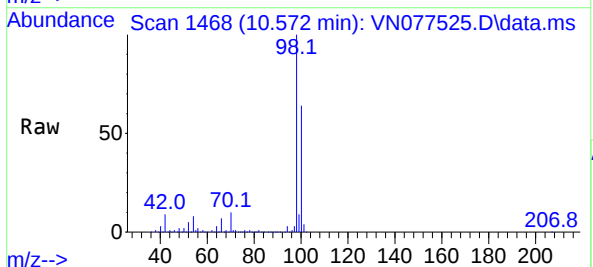
Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-01

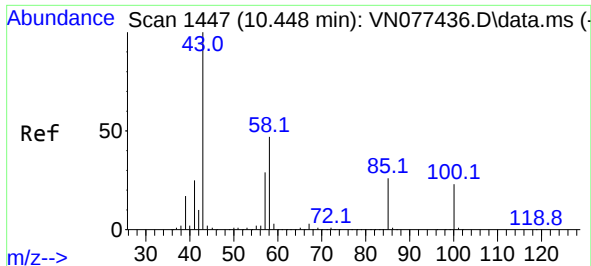
Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 13654.9 47.0 70.4#



#50
Toluene-d8
Concen: 53.038 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

Tgt Ion: 98 Resp: 1568733
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0

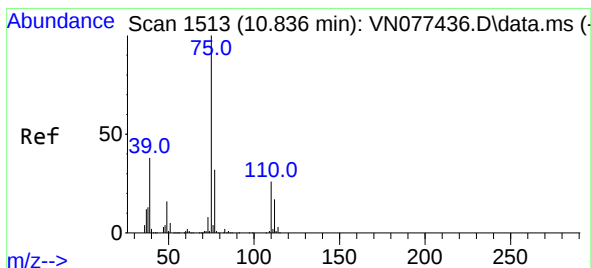
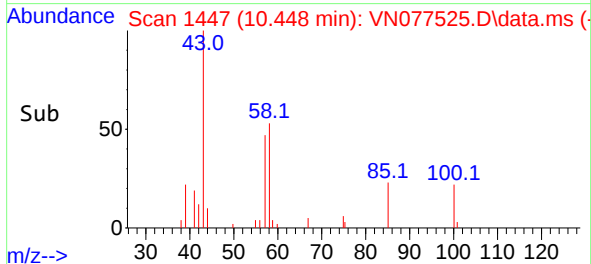
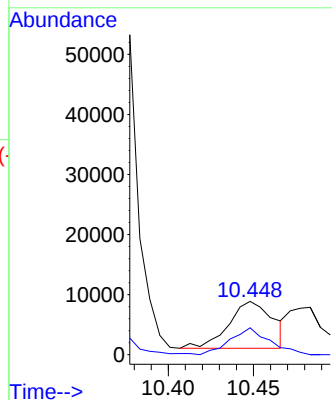
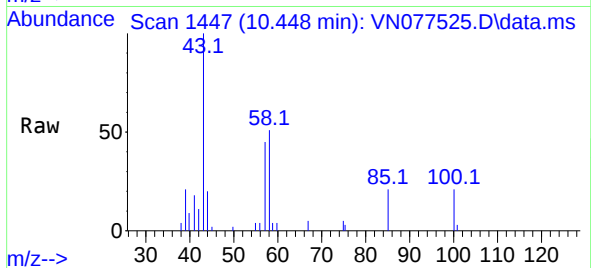




#51
4-Methyl-2-Pentanone
Concen: 1.636 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

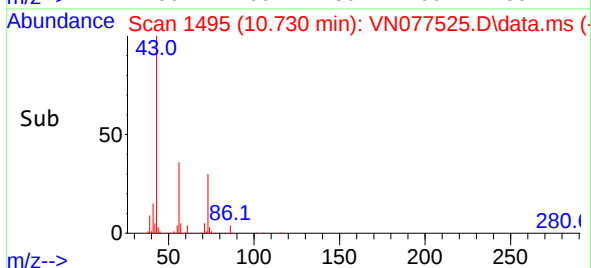
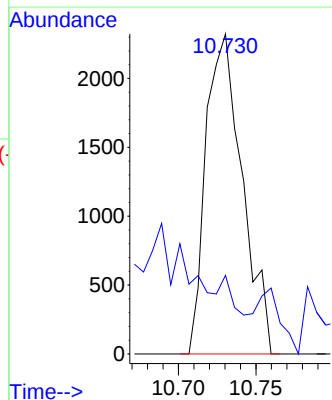
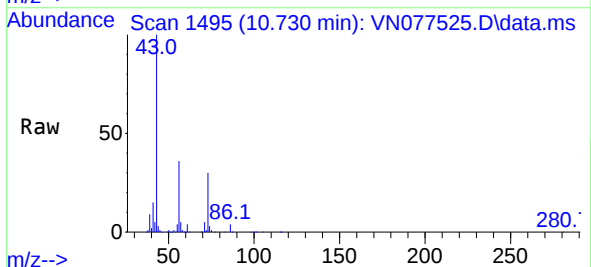
Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-01

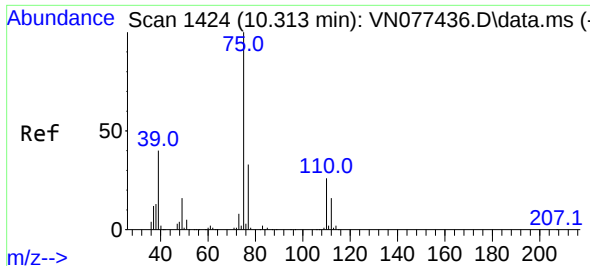
Tgt Ion: 43 Resp: 14061
Ion Ratio Lower Upper
43 100
58 50.8 36.6 54.8



#53
t-1,3-Dichloropropene
Concen: 0.299 ug/l
RT: 10.730 min Scan# 1495
Delta R.T. -0.106 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

Tgt Ion: 75 Resp: 3782
Ion Ratio Lower Upper
75 100
77 14.9 25.4 38.0#

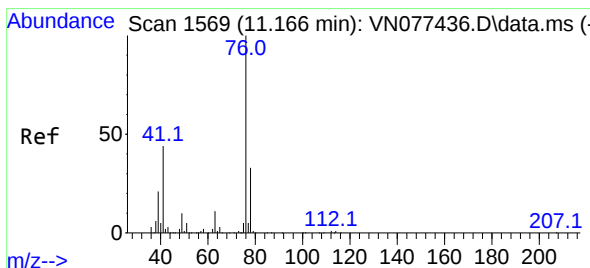
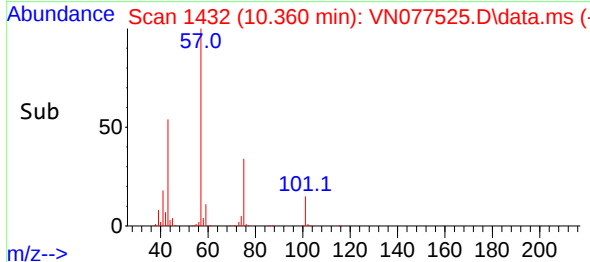
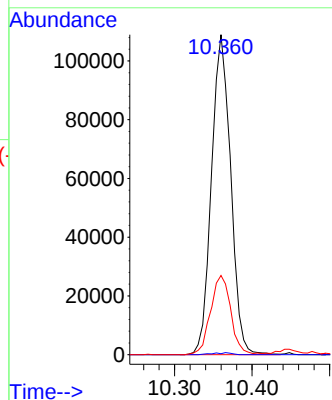
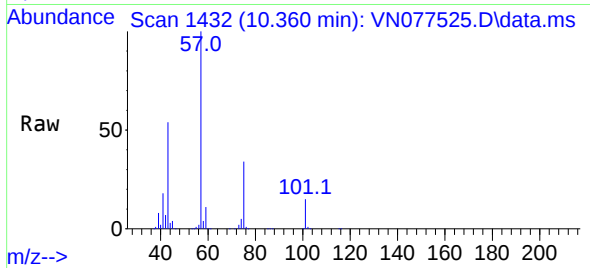




#54
 cis-1,3-Dichloropropene
 Concen: 13.620 ug/l
 RT: 10.360 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN077525.D
 Acq: 29 Apr 2023 17:41

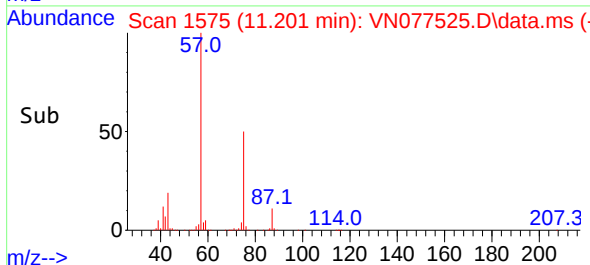
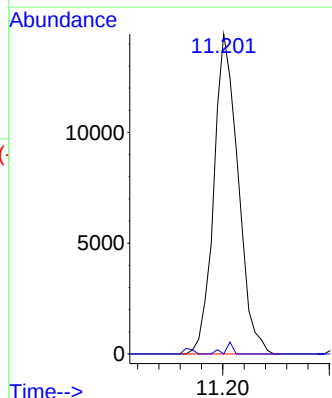
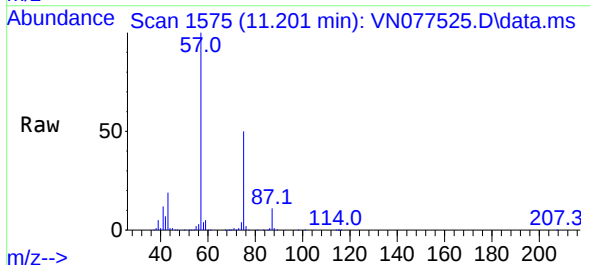
Instrument :
 MSVOA_N
 ClientSampleId :
 BU-511-VOC-01

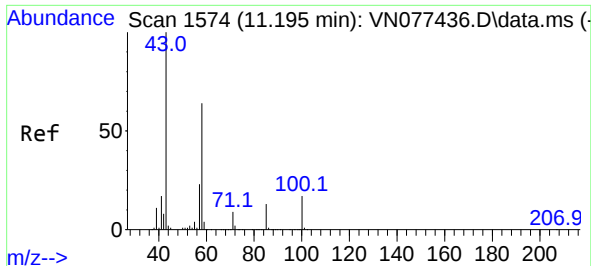
Tgt Ion: 75 Resp: 187466
 Ion Ratio Lower Upper
 75 100
 77 0.3 26.1 39.1#
 39 24.8 31.6 47.4#



#57
 1,3-Dichloropropane
 Concen: 1.601 ug/l
 RT: 11.201 min Scan# 1575
 Delta R.T. 0.035 min
 Lab File: VN077525.D
 Acq: 29 Apr 2023 17:41

Tgt Ion: 76 Resp: 22812
 Ion Ratio Lower Upper
 76 100
 78 1.1 26.1 39.1#

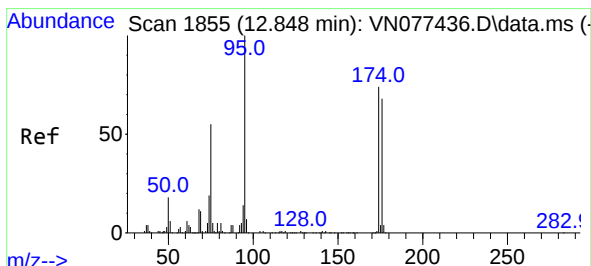
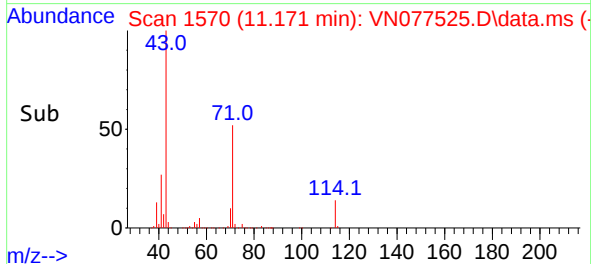
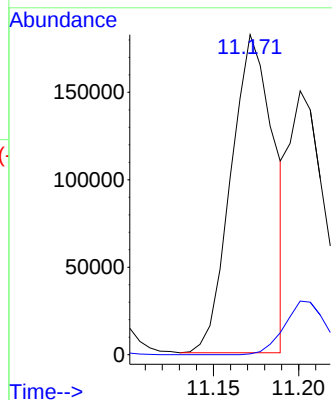
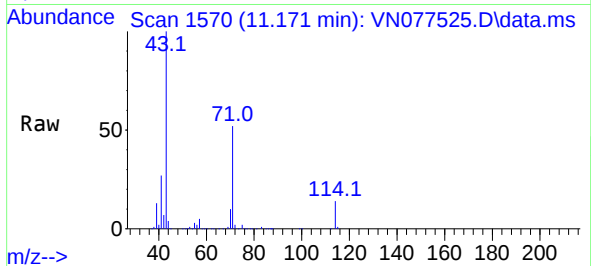




#59
2-Hexanone
Concen: 50.787 ug/l
RT: 11.171 min Scan# 11170
Delta R.T. -0.024 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

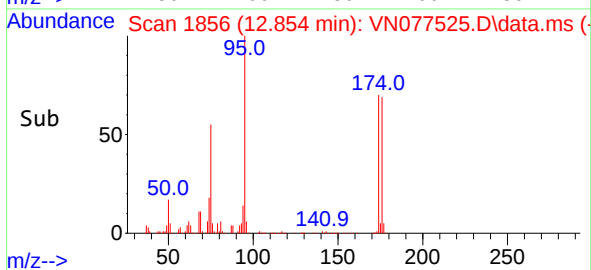
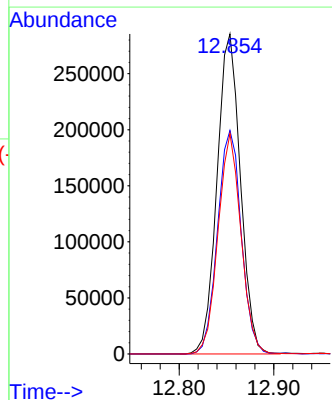
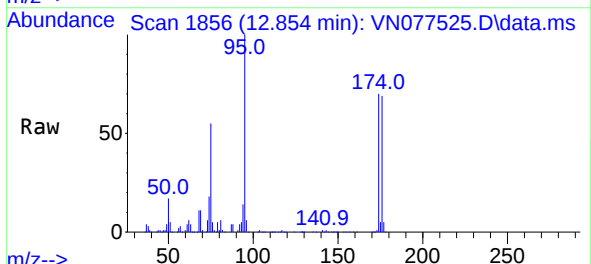
Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-01

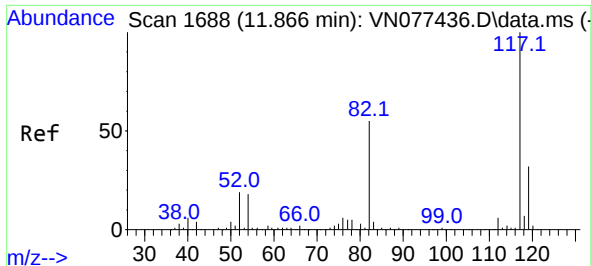
Tgt Ion: 43 Resp: 317374
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 50.678 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

Tgt Ion: 95 Resp: 490413
Ion Ratio Lower Upper
95 100
174 70.7 0.0 143.8
176 67.5 0.0 135.8

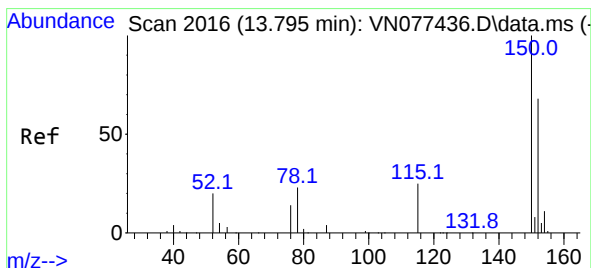
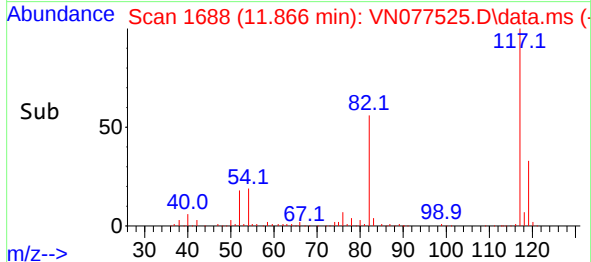
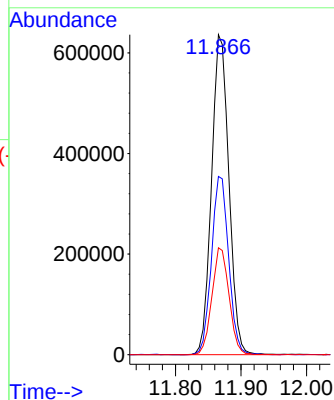
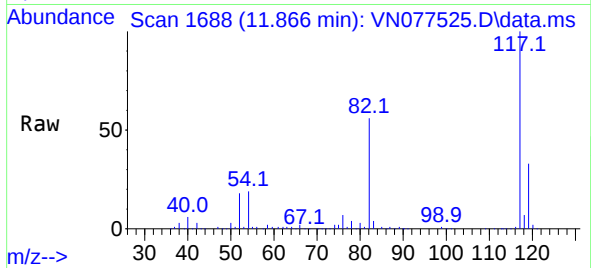




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

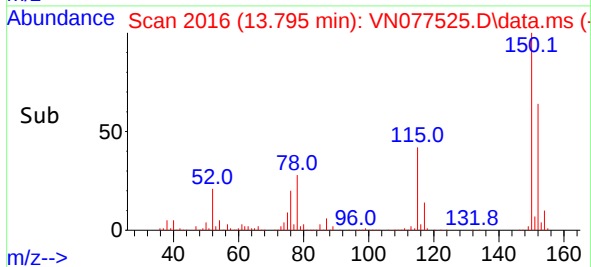
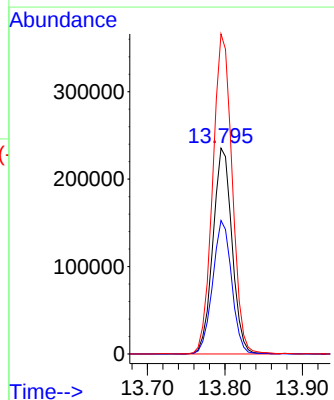
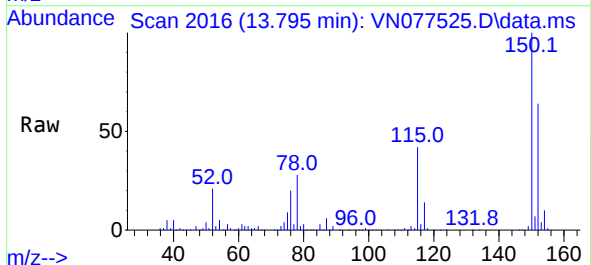
Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-01

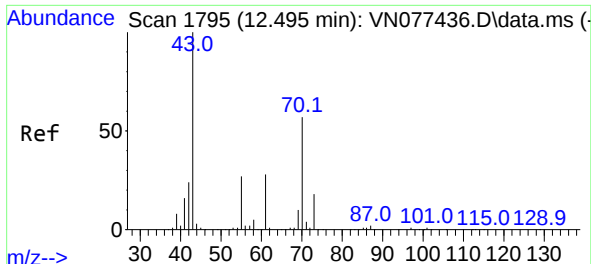
Tgt Ion:117 Resp: 1165860
Ion Ratio Lower Upper
117 100
82 55.7 44.0 66.0
119 33.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

Tgt Ion:152 Resp: 403188
Ion Ratio Lower Upper
152 100
115 64.5 32.3 96.8
150 158.5 0.0 355.8

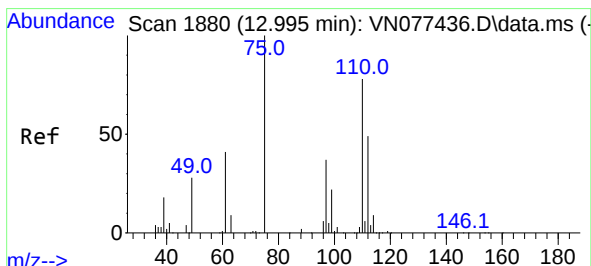
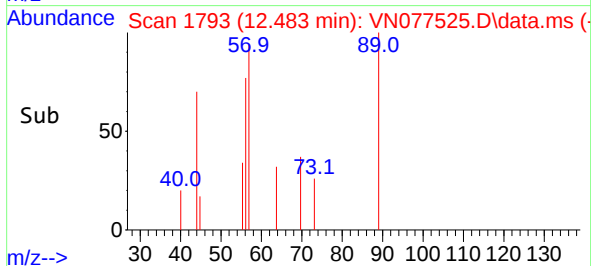
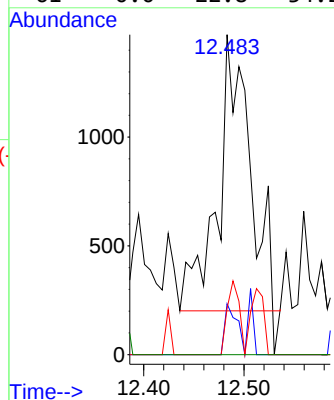
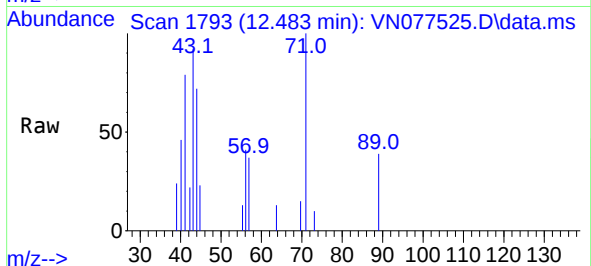




#74
N-amy1 acetate
Concen: 0.251 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

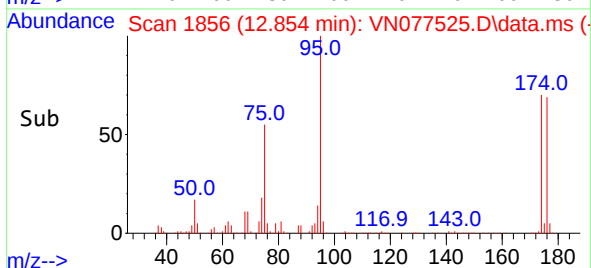
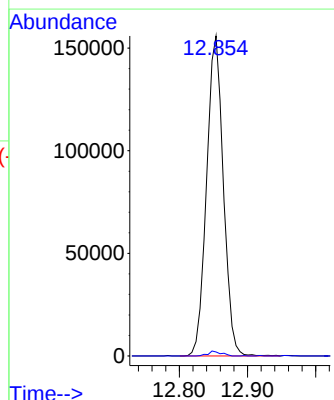
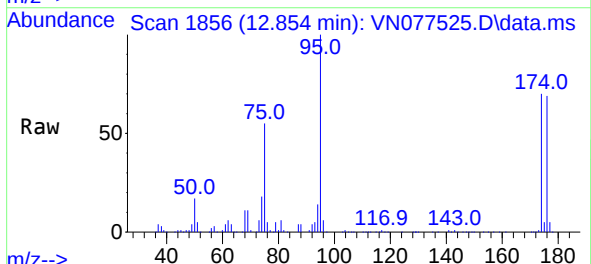
Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-01

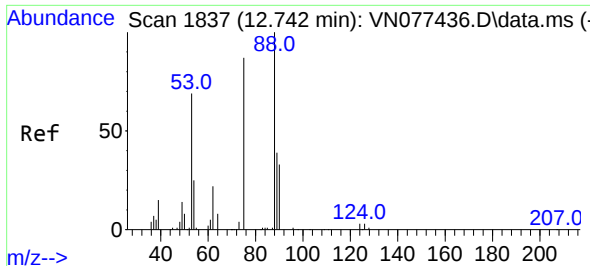
Tgt Ion: 43	Resp: 2784
Ion Ratio	Lower Upper
43 100	
70 7.1	43.4 65.2#
55 10.1	21.4 32.0#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 28.456 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

Tgt Ion: 75	Resp: 266799
Ion Ratio	Lower Upper
75 100	
77 1.2	84.5 253.5#

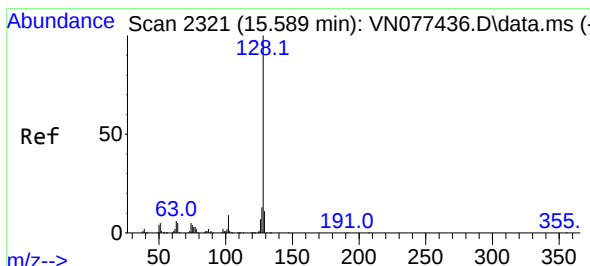
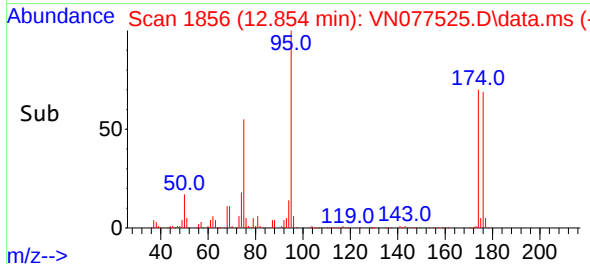
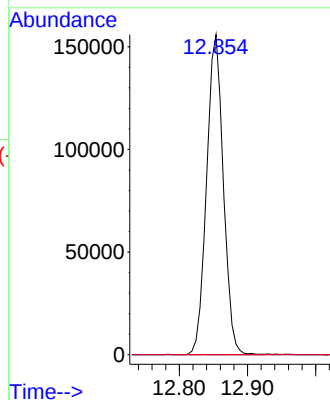
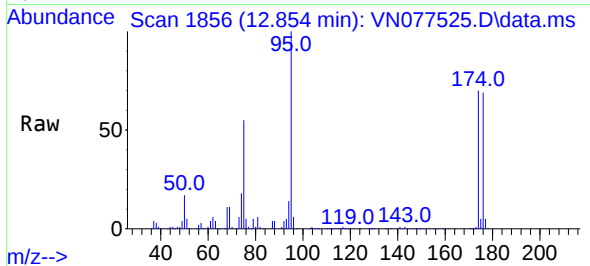




#81
trans-1,4-Dichloro-2-butene
Concen: 80.394 ug/l
RT: 12.854 min Scan# 1837
Delta R.T. 0.112 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-01

Tgt Ion: 75 Resp: 266799
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 1.146 ug/l
RT: 15.601 min Scan# 2323
Delta R.T. 0.012 min
Lab File: VN077525.D
Acq: 29 Apr 2023 17:41

Tgt Ion: 128 Resp: 62
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

