

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042923\
 Data File : VN077526.D
 Acq On : 29 Apr 2023 18:05
 Operator : JC\MD
 Sample : 02502-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BU-511-VOC-02

Quant Time: May 01 01:25:20 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)

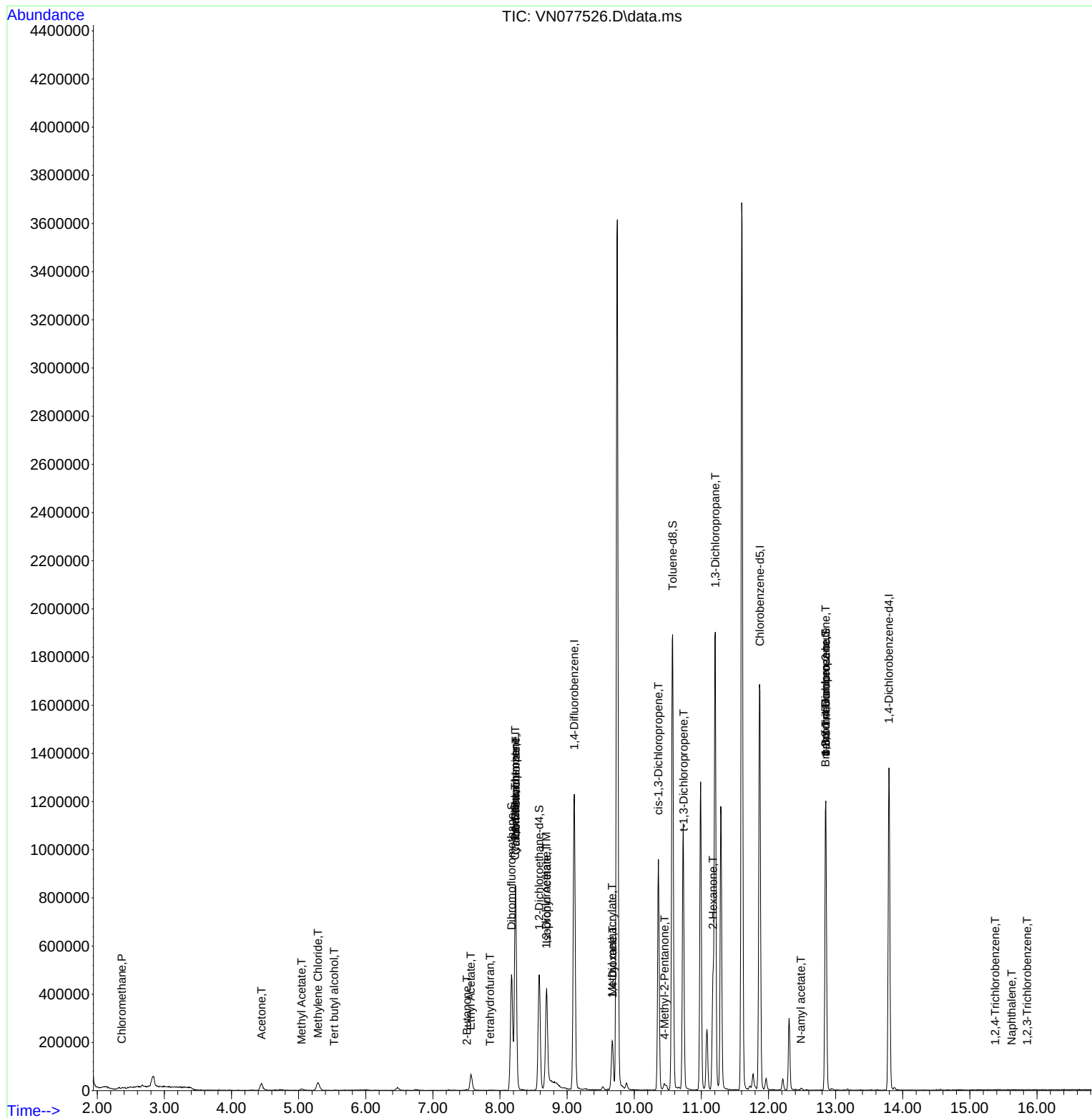
Internal Standards						
1) Pentafluorobenzene	8.231	168	596241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1141767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	1053992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	369119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	399100	51.297	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.600%			
35) Dibromofluoromethane	8.172	113	348482	50.781	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.560%			
50) Toluene-d8	10.572	98	1385860	52.692	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.380%			
62) 4-Bromofluorobenzene	12.854	95	449206	52.202	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.400%			
Target Compounds					Qvalue	
3) Chloromethane	2.366	50	1413	0.236	ug/l #	42
11) Tert butyl alcohol	5.531	59	822	0.658	ug/l #	94
16) Acetone	4.449	43	52876	21.362	ug/l	100
18) Methyl Acetate	5.043	43	11176	1.169	ug/l	100
20) Methylene Chloride	5.290	84	28919	3.684	ug/l	92
25) 2-Butanone	7.507	43	4491	1.279	ug/l	98
29) Tetrahydrofuran	7.854	42	625	0.284	ug/l #	60
31) Cyclohexane	8.225	56	13123	1.191	ug/l #	16
36) 1,1-Dichloropropene	8.231	75	51985	5.243	ug/l #	48
37) Ethyl Acetate	7.566	43	90864	12.061	ug/l	98
38) Carbon Tetrachloride	8.236	117	68797	6.289	ug/l #	15
42) 1,2-Dichloroethane	8.689	62	3435	0.331	ug/l	84
43) Isopropyl Acetate	8.695	43	490556	37.638	ug/l #	86
48) Methyl methacrylate	9.672	41	10021	1.689	ug/l #	32
49) 1,4-Dioxane	9.678	88	61	0.410	ug/l #	1
51) 4-Methyl-2-Pentanone	10.454	43	13711	1.794	ug/l	92
53) t-1,3-Dichloropropene	10.736	75	4345	0.386	ug/l #	43
54) cis-1,3-Dichloropropene	10.360	75	202096	16.512	ug/l #	62
57) 1,3-Dichloropropane	11.207	76	23258	1.835	ug/l #	42
59) 2-Hexanone	11.172	43	333264	59.974	ug/l #	19
71) Bromoform	12.848	173	1477	0.278	ug/l #	28
74) N-amyl acetate	12.483	43	3741	0.369	ug/l #	38
76) 1,2,3-Trichloropropane	12.854	75	236621	27.567	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	236621	77.882	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.377	180	59	0.819	ug/l #	14
95) Naphthalene	15.624	128	65	1.147	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.854	180	239	0.571	ug/l #	13

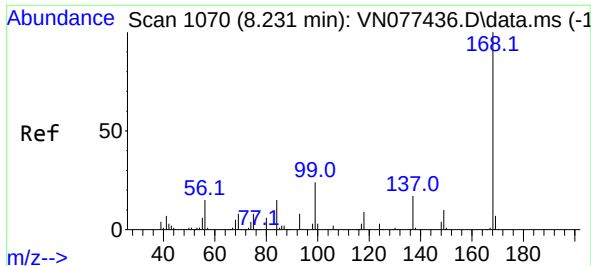
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042923\
Data File : VN077526.D
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Sample : 02502-11
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Instrument :
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Quant Time: May 01 01:25:20 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

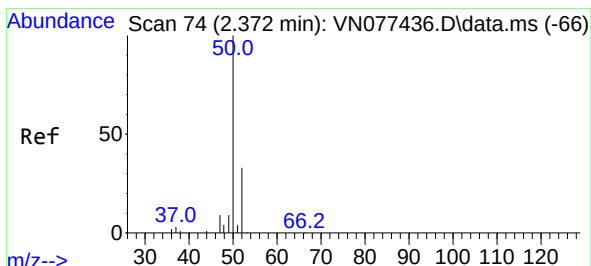
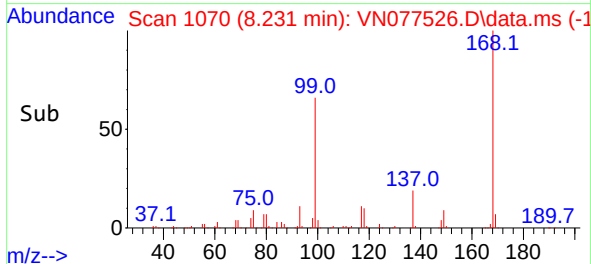
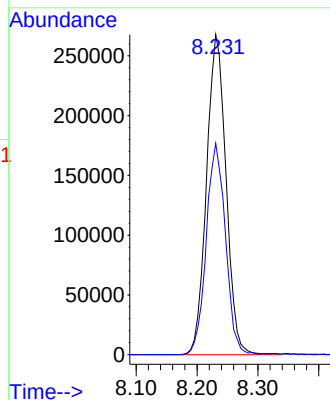
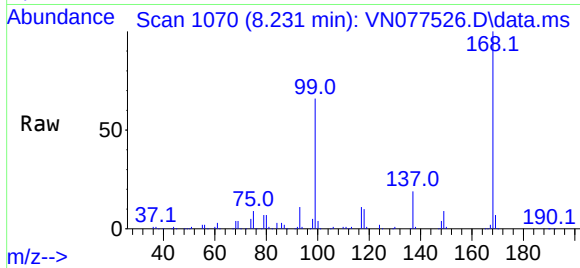




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

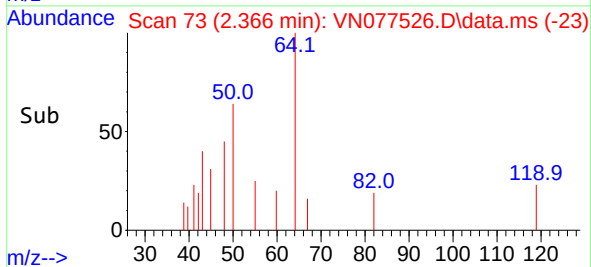
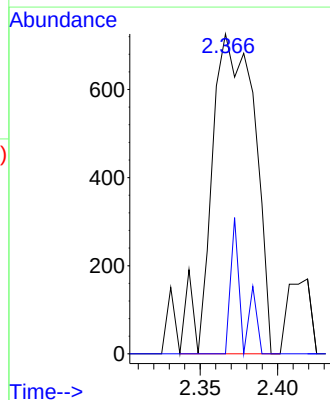
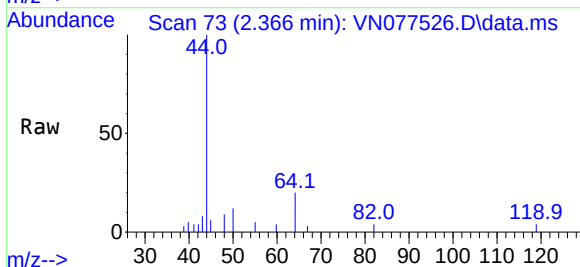
Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-02

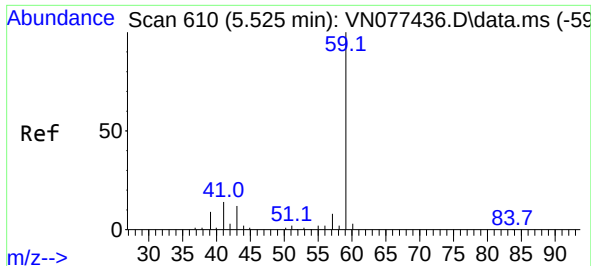
Tgt Ion:168 Resp: 596241
Ion Ratio Lower Upper
168 100
99 66.0 53.0 79.6



#3
Chloromethane
Concen: 0.236 ug/l
RT: 2.366 min Scan# 73
Delta R.T. -0.006 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

Tgt Ion: 50 Resp: 1413
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

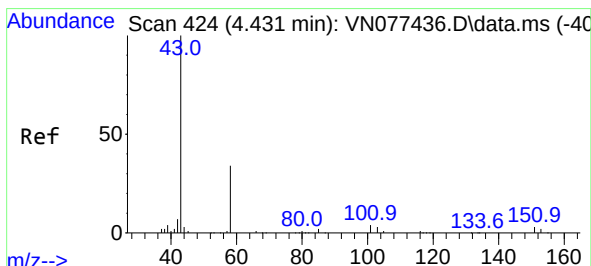
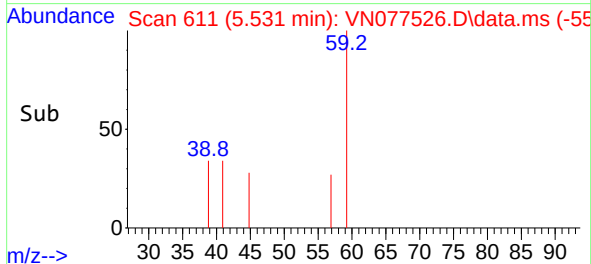
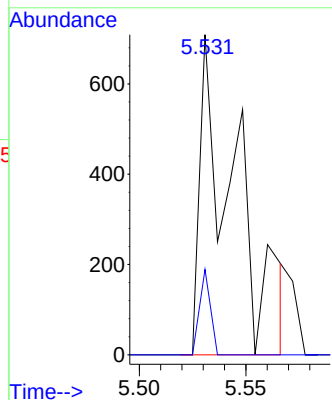
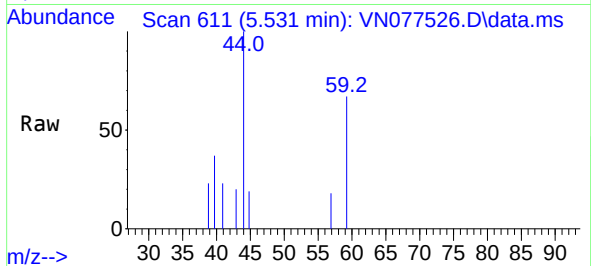




#11
Tert butyl alcohol
Concen: 0.658 ug/l
RT: 5.531 min Scan# 611
Delta R.T. 0.006 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

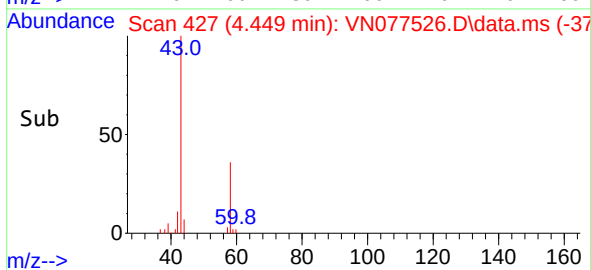
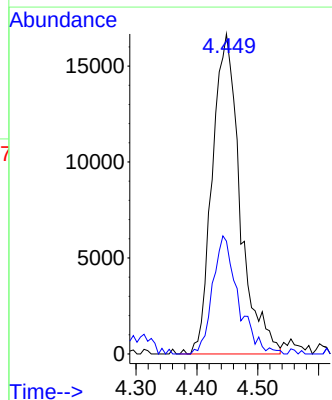
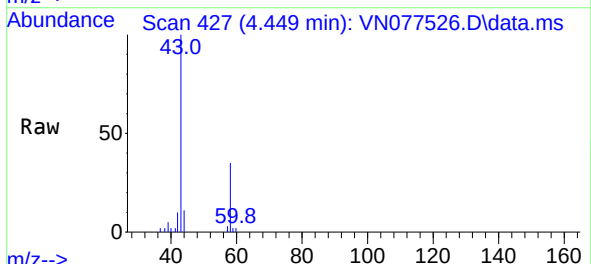
Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-02

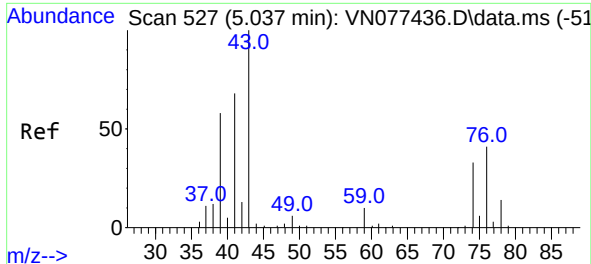
Tgt Ion: 59 Resp: 822
Ion Ratio Lower Upper
59 100
57 8.2 8.2 12.4#



#16
Acetone
Concen: 21.362 ug/l
RT: 4.449 min Scan# 427
Delta R.T. 0.018 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

Tgt Ion: 43 Resp: 52876
Ion Ratio Lower Upper
43 100
58 35.2 28.0 42.0





#18

Methyl Acetate

Concen: 1.169 ug/l

RT: 5.043 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN077526.D

Acq: 29 Apr 2023 18:05

Instrument :

MSVOA_N

ClientSampleId :

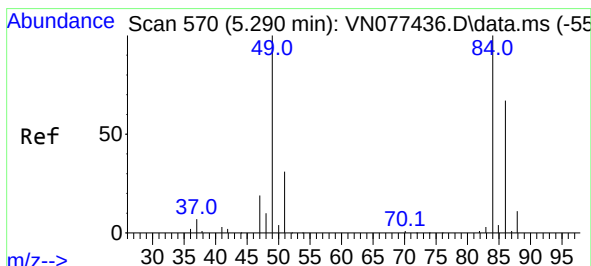
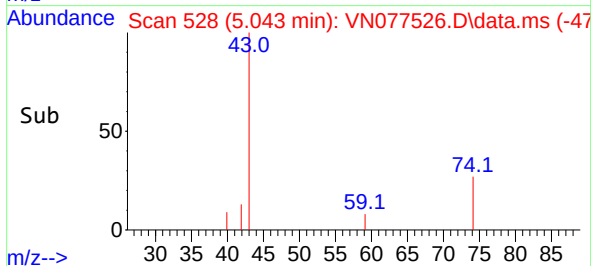
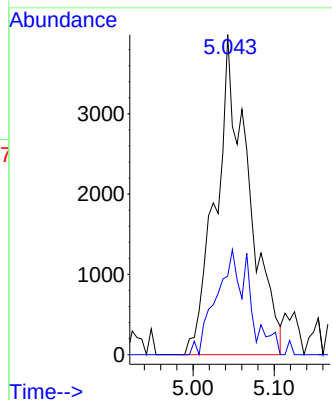
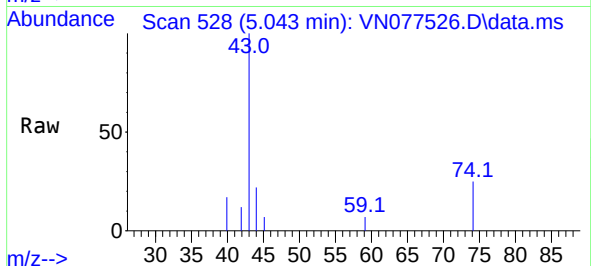
BU-511-VOC-02

Tgt Ion: 43 Resp: 11176

Ion Ratio Lower Upper

43 100

74 33.0 26.2 39.4



#20

Methylene Chloride

Concen: 3.684 ug/l

RT: 5.290 min Scan# 570

Delta R.T. -0.000 min

Lab File: VN077526.D

Acq: 29 Apr 2023 18:05

Tgt Ion: 84 Resp: 28919

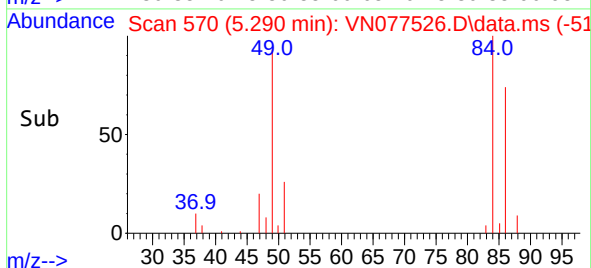
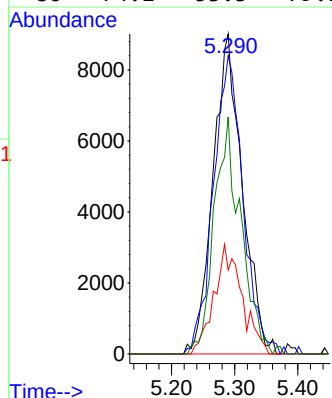
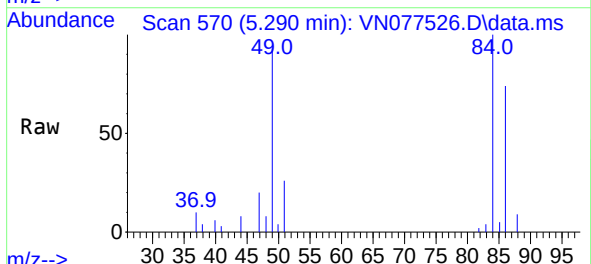
Ion Ratio Lower Upper

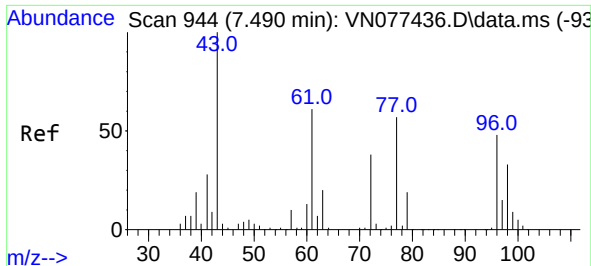
84 100

49 93.2 79.7 119.5

51 26.2 25.2 37.8

86 74.1 53.3 79.9





#25

2-Butanone

Concen: 1.279 ug/l

RT: 7.507 min Scan# 944

Delta R.T. 0.018 min

Lab File: VN077526.D

Acq: 29 Apr 2023 18:05

Instrument :

MSVOA_N

ClientSampleId :

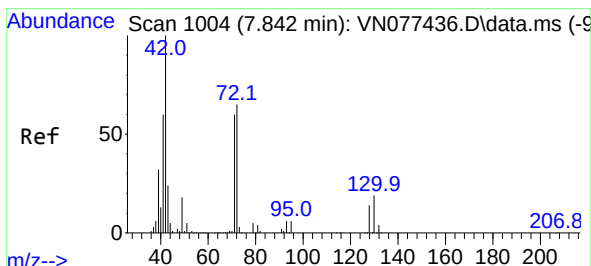
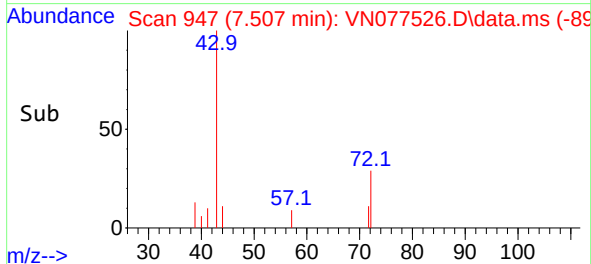
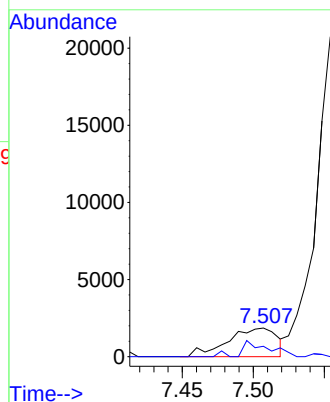
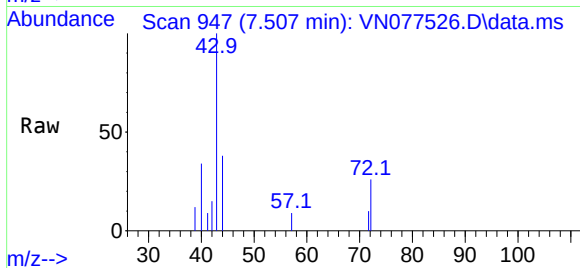
BU-511-VOC-02

Tgt Ion: 43 Resp: 4491

Ion Ratio Lower Upper

43 100

72 36.6 30.2 45.2



#29

Tetrahydrofuran

Concen: 0.284 ug/l

RT: 7.854 min Scan# 1006

Delta R.T. 0.012 min

Lab File: VN077526.D

Acq: 29 Apr 2023 18:05

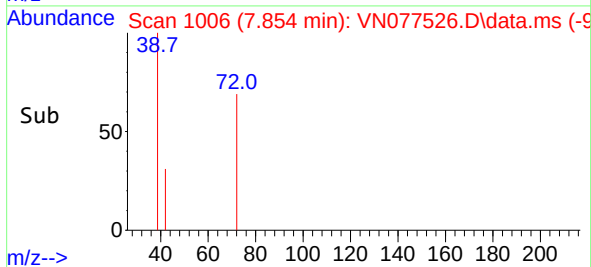
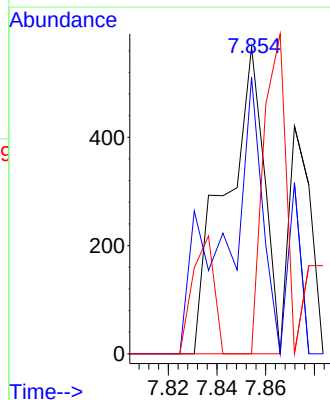
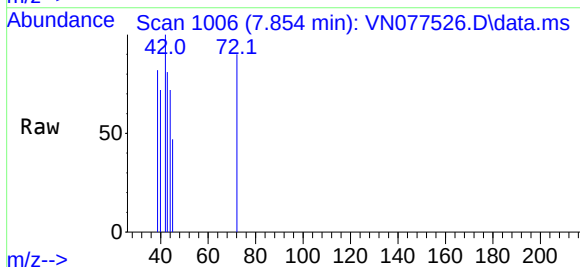
Tgt Ion: 42 Resp: 625

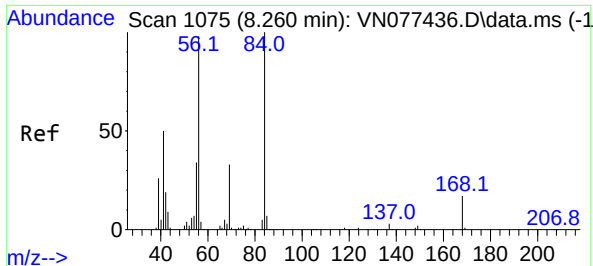
Ion Ratio Lower Upper

42 100

72 85.1 49.8 74.6#

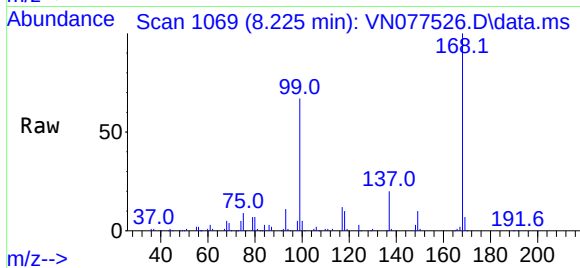
71 21.3 47.4 71.2#



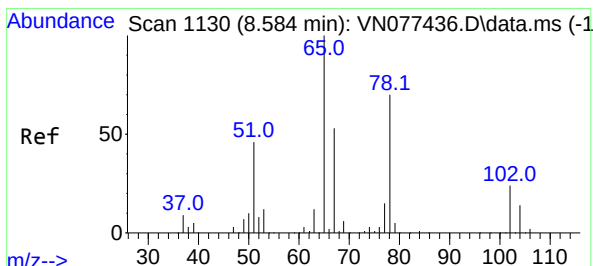
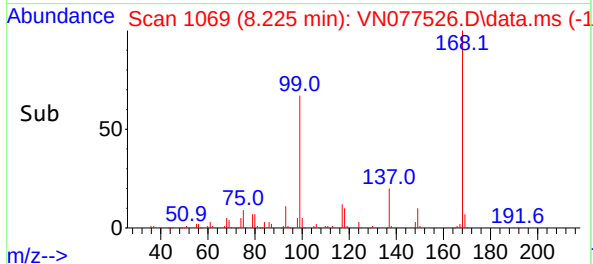
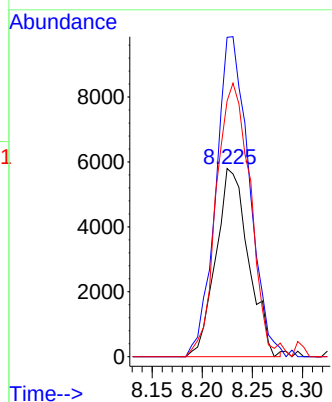


#31
Cyclohexane
Concen: 1.191 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-02

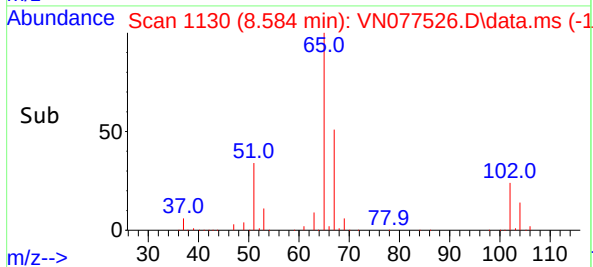
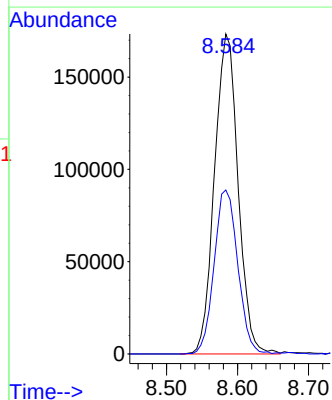
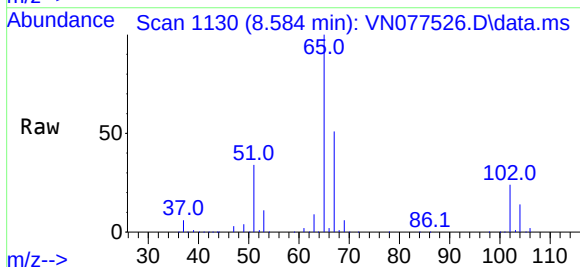


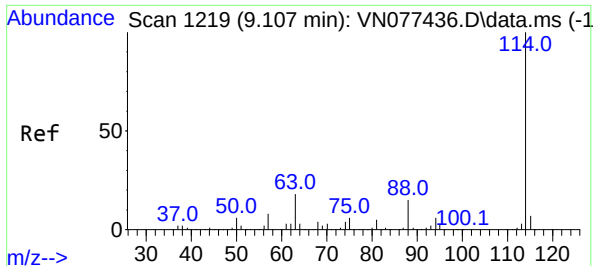
Tgt Ion: 56 Resp: 13123
Ion Ratio Lower Upper
56 100
69 169.7 26.8 40.2#
84 135.8 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 51.297 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

Tgt Ion: 65 Resp: 399100
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.6

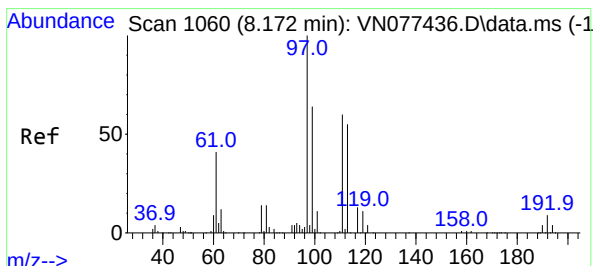
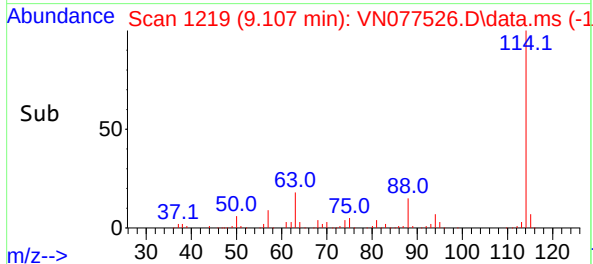
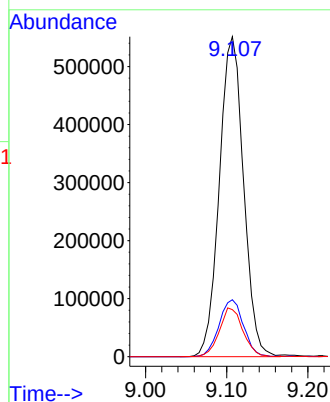
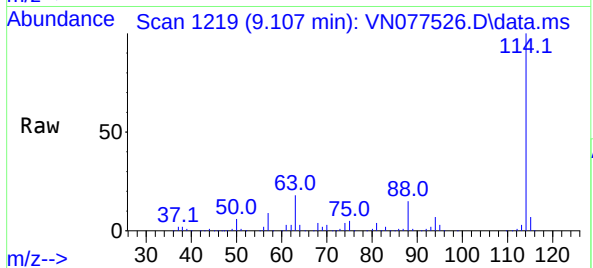




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

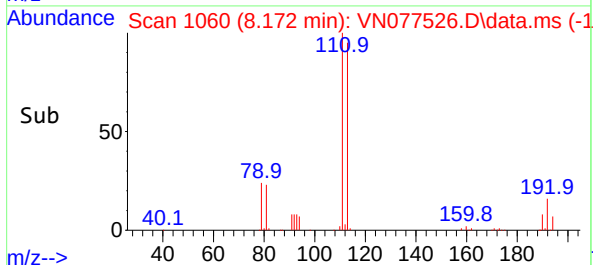
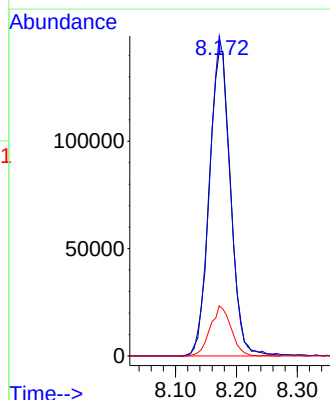
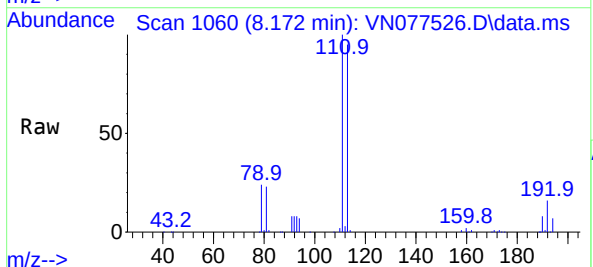
Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-02

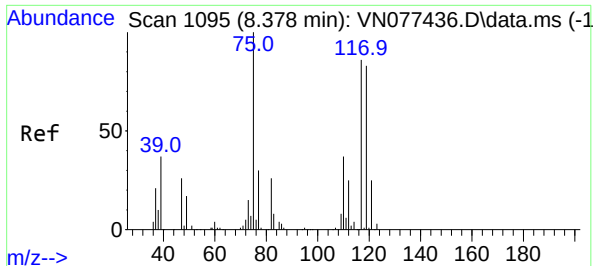
Tgt Ion:114 Resp: 1141767
Ion Ratio Lower Upper
114 100
63 17.8 0.0 36.4
88 14.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.781 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

Tgt Ion:113 Resp: 348482
Ion Ratio Lower Upper
113 100
111 100.7 82.6 123.8
192 15.8 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.243 ug/l

RT: 8.231 min Scan# 1095

Delta R.T. -0.147 min

Lab File: VN077526.D

Acq: 29 Apr 2023 18:05

Instrument :

MSVOA_N

ClientSampleId :

BU-511-VOC-02

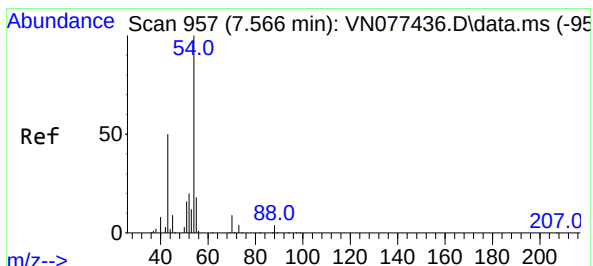
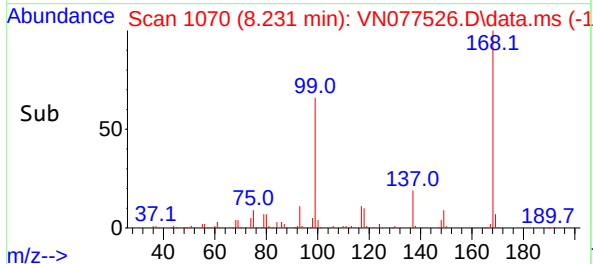
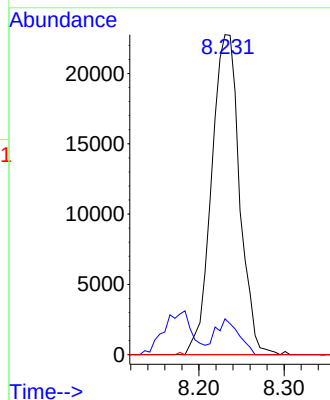
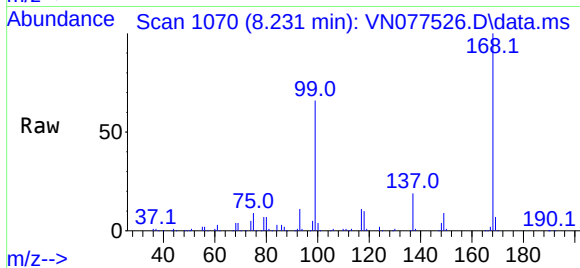
Tgt Ion: 75 Resp: 51985

Ion Ratio Lower Upper

75 100

110 9.3 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 12.061 ug/l

RT: 7.566 min Scan# 957

Delta R.T. -0.000 min

Lab File: VN077526.D

Acq: 29 Apr 2023 18:05

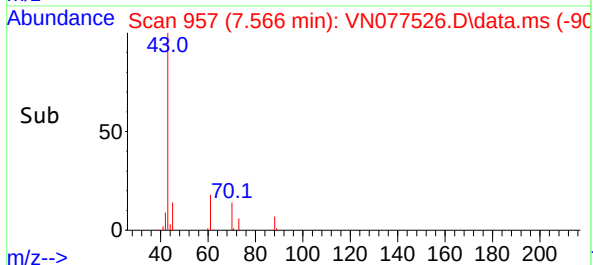
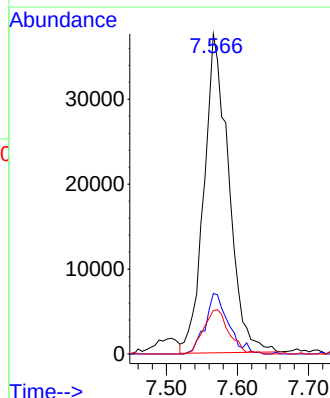
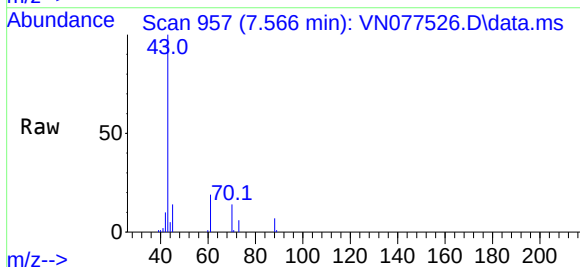
Tgt Ion: 43 Resp: 90864

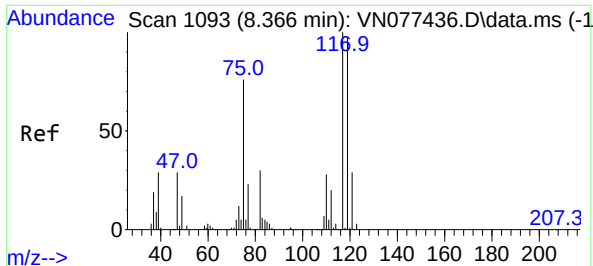
Ion Ratio Lower Upper

43 100

61 17.9 13.2 19.8

70 14.4 11.3 16.9

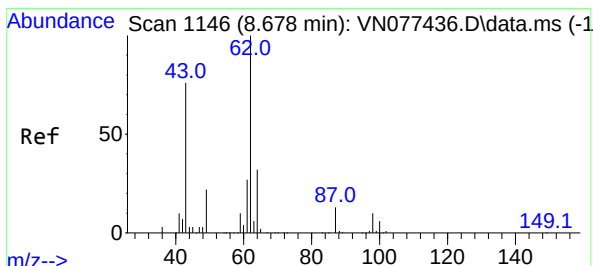
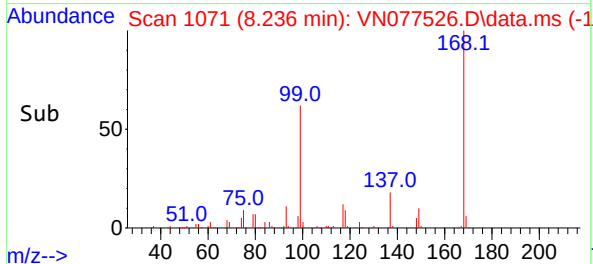
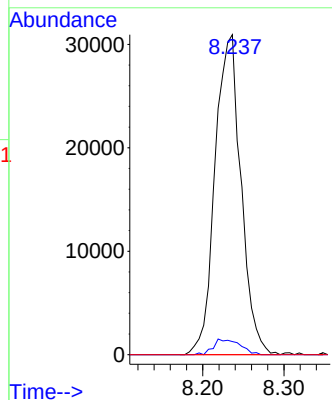
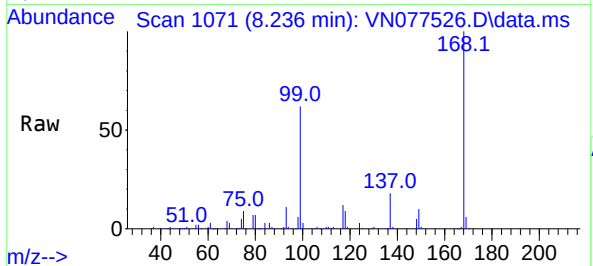




#38
Carbon Tetrachloride
Concen: 6.289 ug/l
RT: 8.236 min Scan# 1093
Delta R.T. -0.129 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

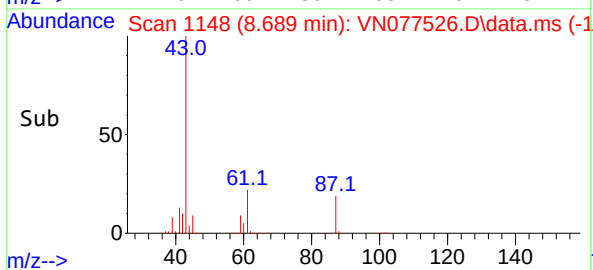
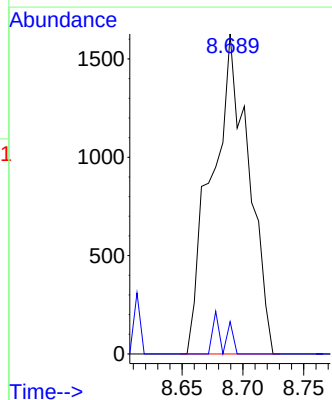
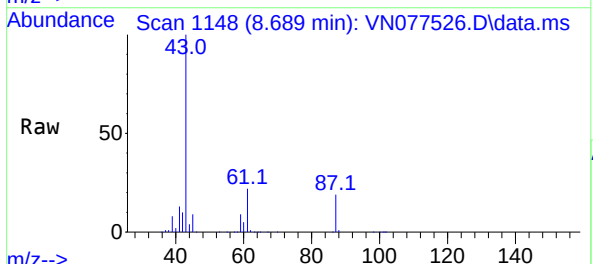
Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-02

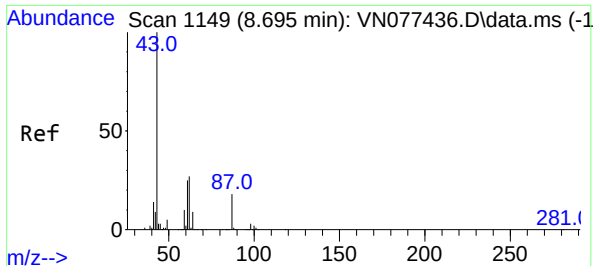
Tgt Ion:117 Resp: 68797
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.331 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. 0.012 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

Tgt Ion: 62 Resp: 3435
Ion Ratio Lower Upper
62 100
98 3.9 0.0 19.8

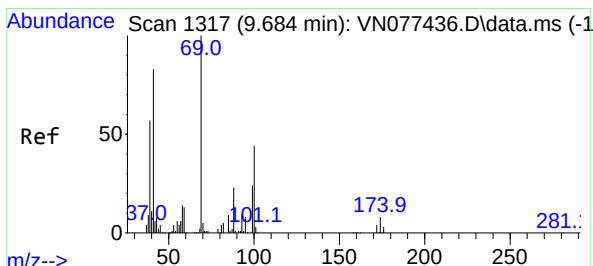
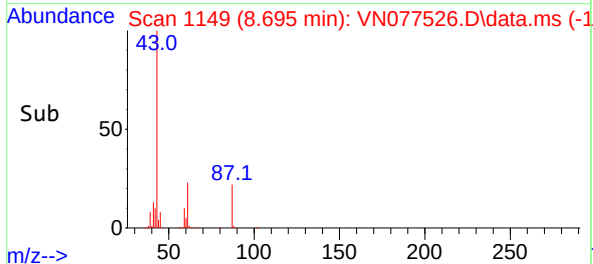
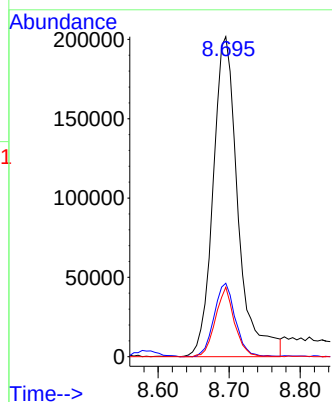
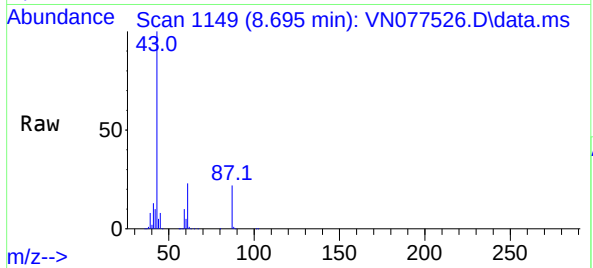




#43
Isopropyl Acetate
Concen: 37.638 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

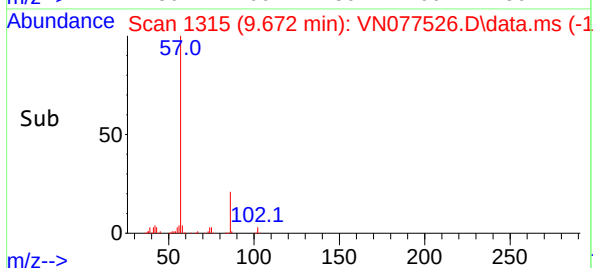
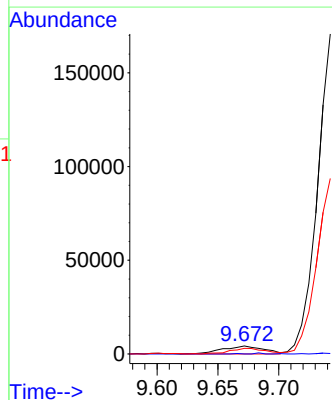
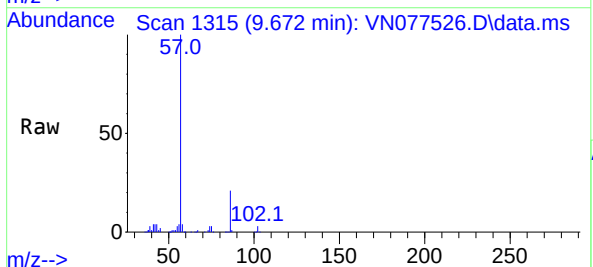
Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-02

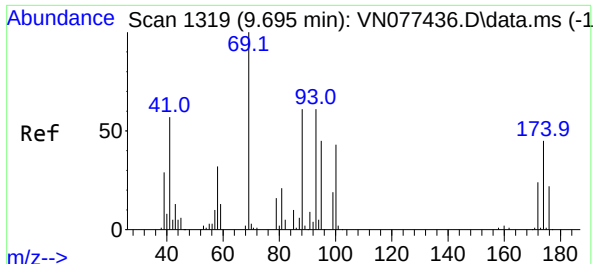
Tgt Ion: 43 Resp: 490556
Ion Ratio Lower Upper
43 100
61 19.7 24.7 37.1#
87 16.6 14.6 21.8



#48
Methyl methacrylate
Concen: 1.689 ug/l
RT: 9.672 min Scan# 1315
Delta R.T. -0.012 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

Tgt Ion: 41 Resp: 10021
Ion Ratio Lower Upper
41 100
69 0.9 90.4 135.6#
39 61.2 54.6 81.8

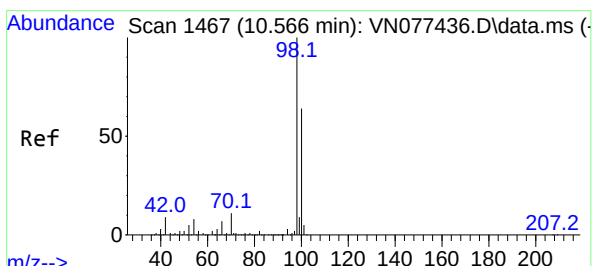
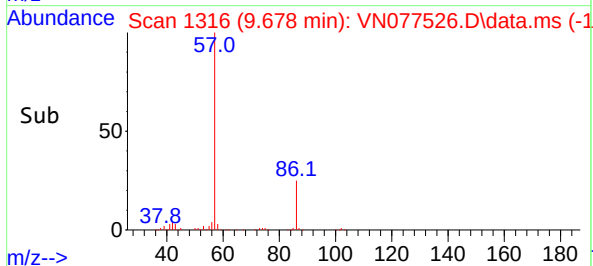
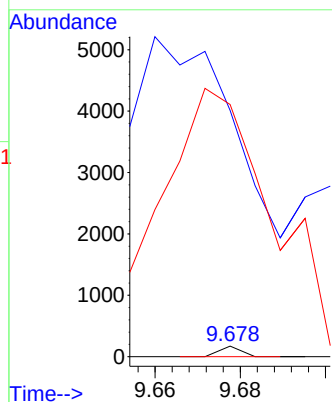
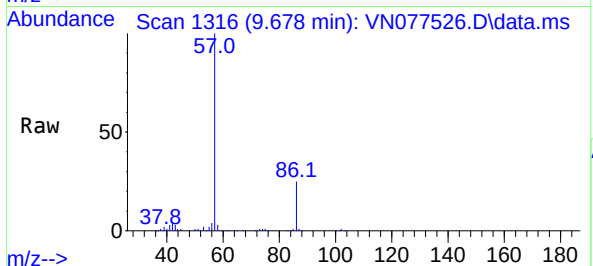




#49
1,4-Dioxane
Concen: 0.410 ug/l
RT: 9.678 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

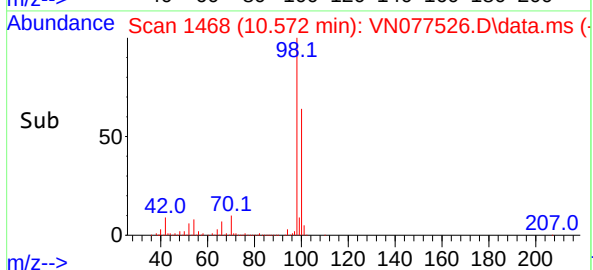
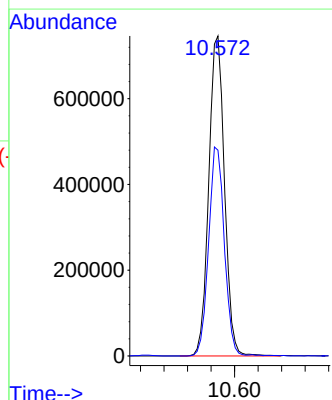
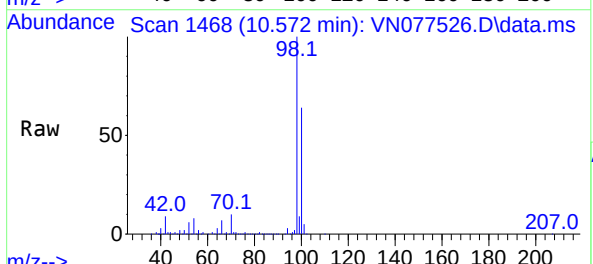
Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-02

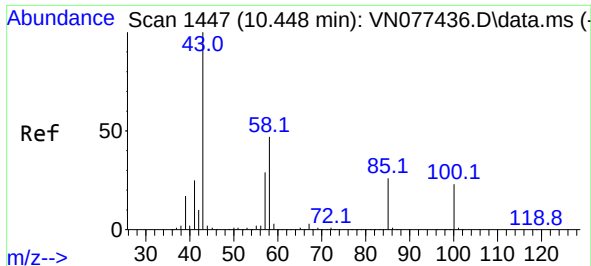
Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 14206.6 47.0 70.4#



#50
Toluene-d8
Concen: 52.692 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

Tgt Ion: 98 Resp: 1385860
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0

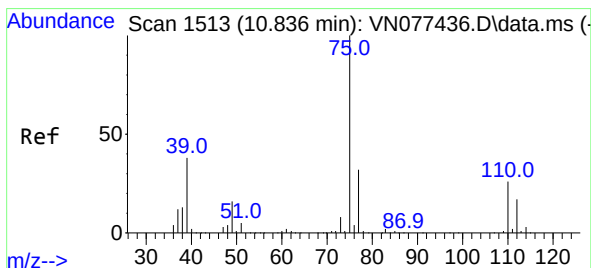
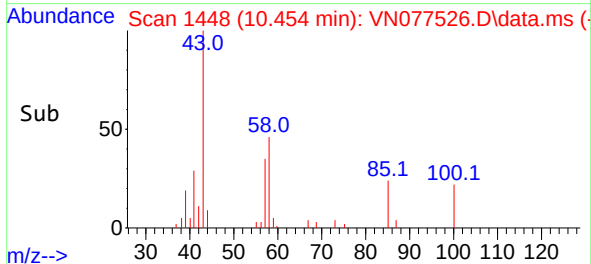
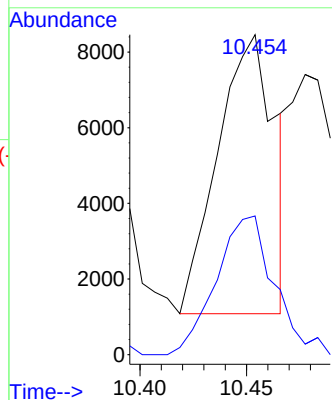
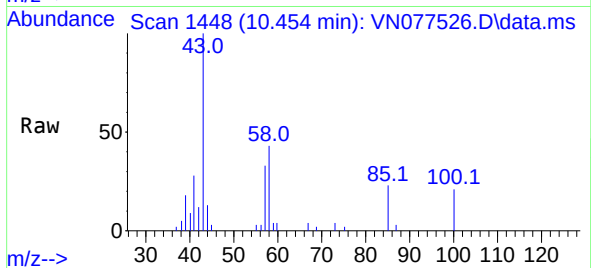




#51
4-Methyl-2-Pentanone
Concen: 1.794 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

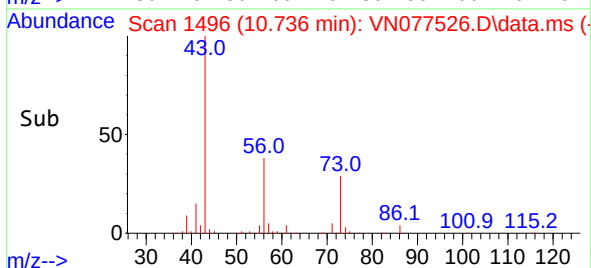
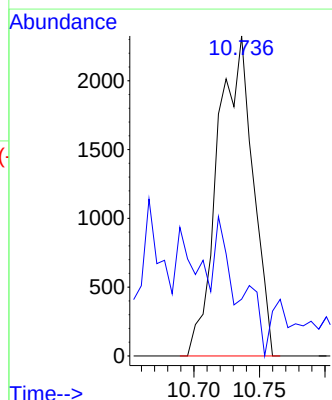
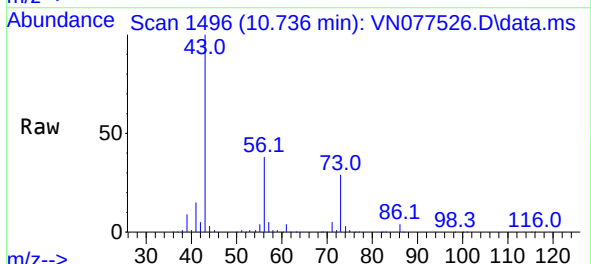
Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-02

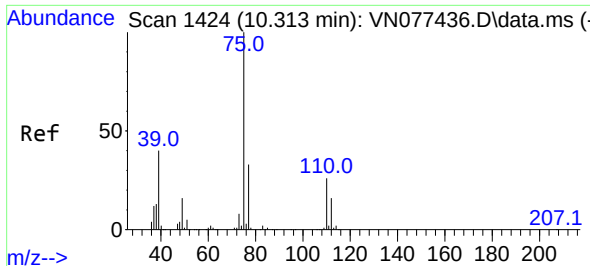
Tgt Ion: 43 Resp: 13711
Ion Ratio Lower Upper
43 100
58 50.7 36.6 54.8



#53
t-1,3-Dichloropropene
Concen: 0.386 ug/l
RT: 10.736 min Scan# 1496
Delta R.T. -0.100 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

Tgt Ion: 75 Resp: 4345
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

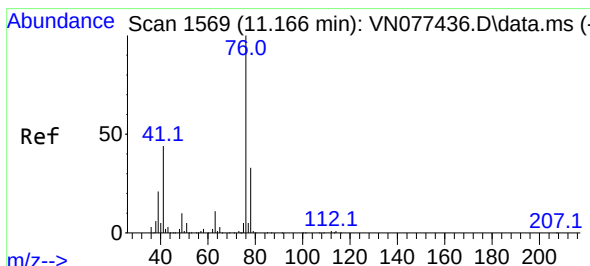
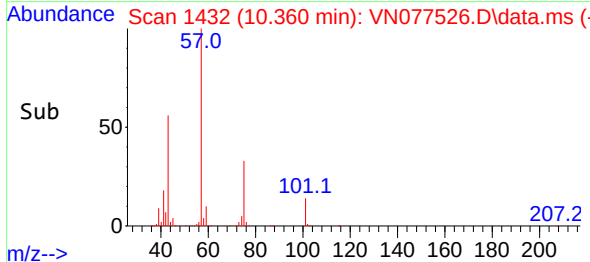
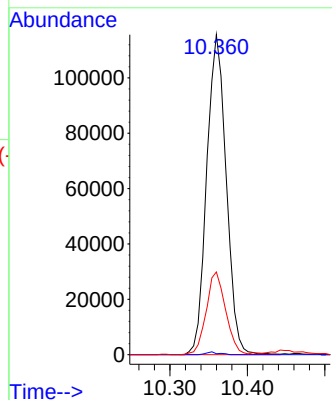
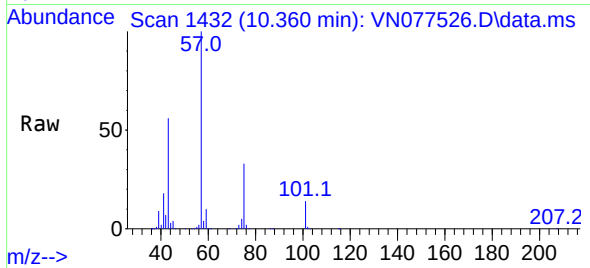




#54
cis-1,3-Dichloropropene
Concen: 16.512 ug/l
RT: 10.360 min Scan# 1424
Delta R.T. 0.047 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

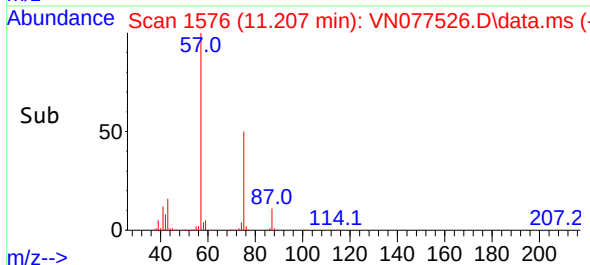
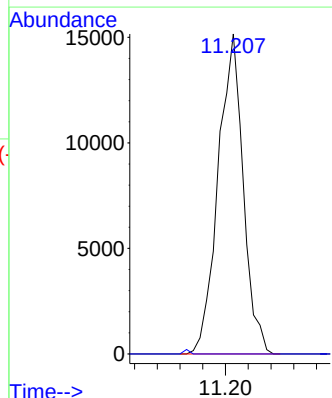
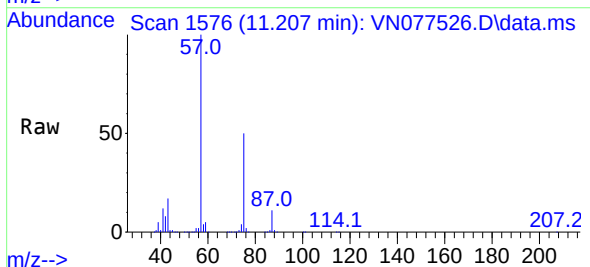
Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-02

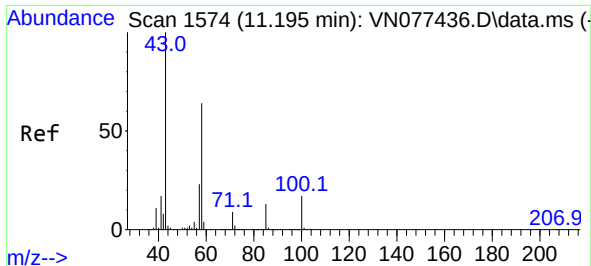
Tgt Ion: 75 Resp: 202096
Ion Ratio Lower Upper
75 100
77 0.3 26.1 39.1#
39 25.9 31.6 47.4#



#57
1,3-Dichloropropane
Concen: 1.835 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.041 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

Tgt Ion: 76 Resp: 23258
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

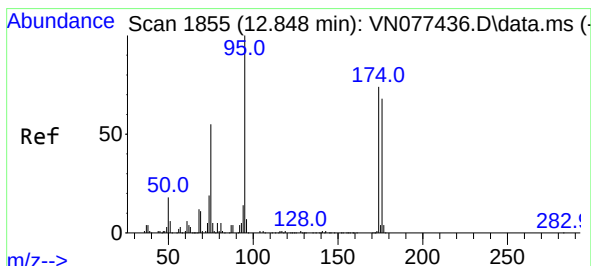
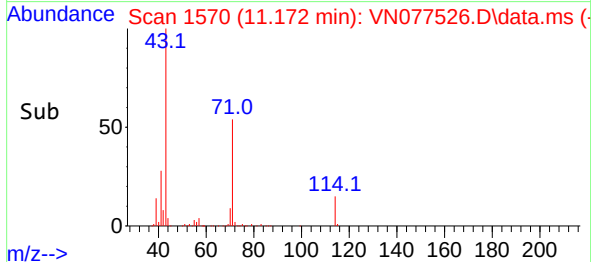
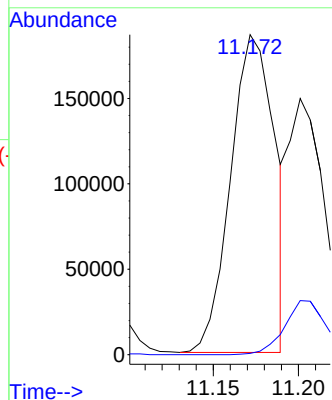
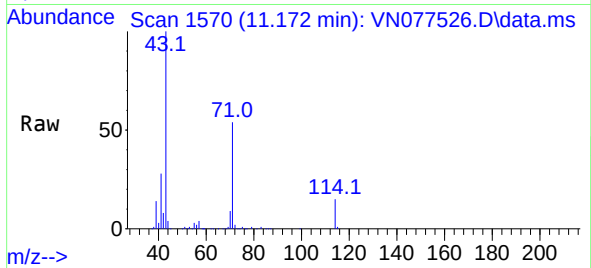




#59
2-Hexanone
Concen: 59.974 ug/l
RT: 11.172 min Scan# 11170
Delta R.T. -0.024 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

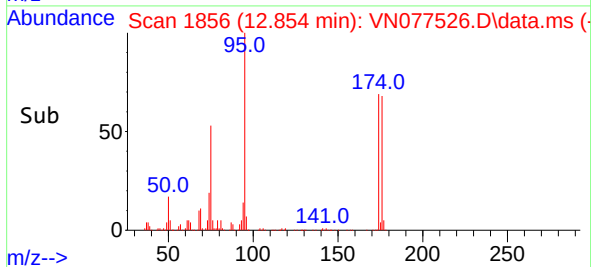
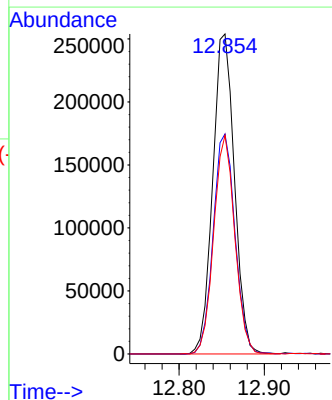
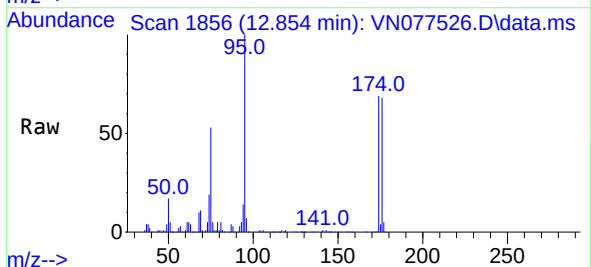
Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-02

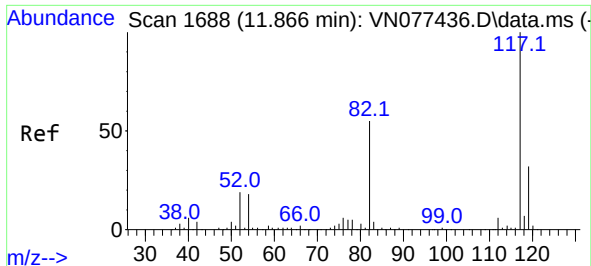
Tgt Ion: 43 Resp: 333264
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 52.202 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

Tgt Ion: 95 Resp: 449206
Ion Ratio Lower Upper
95 100
174 69.3 0.0 143.8
176 66.3 0.0 135.8

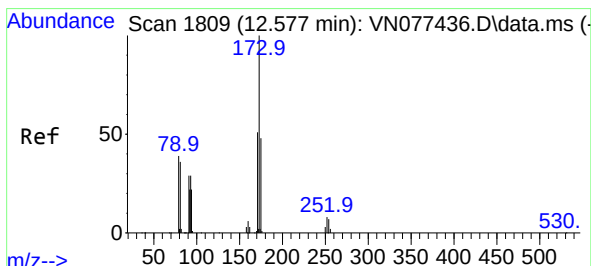
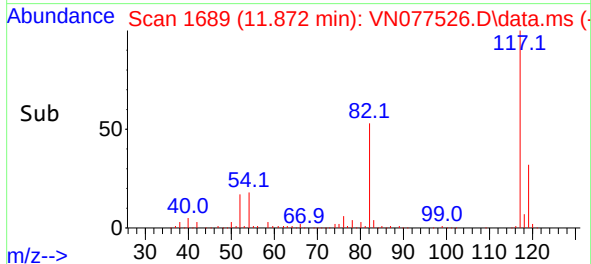
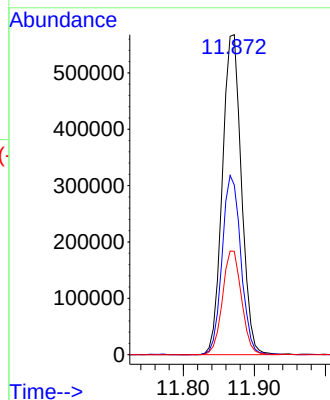
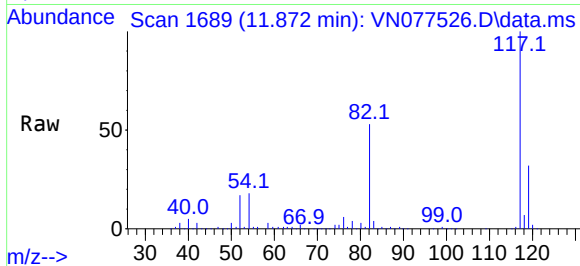




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

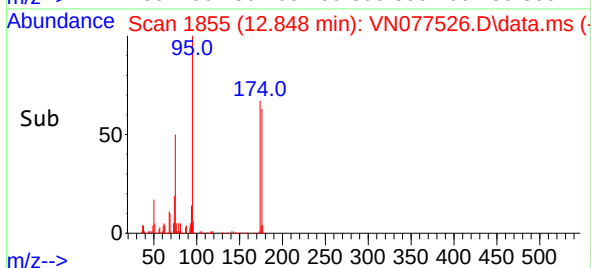
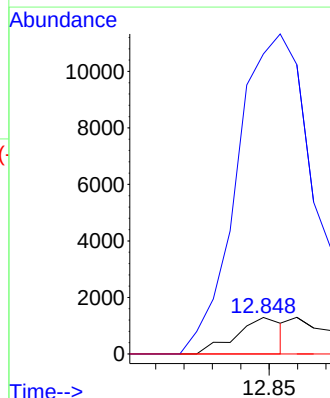
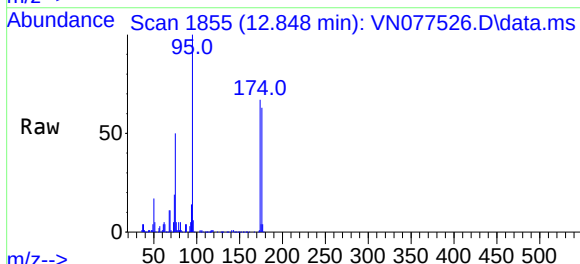
Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-02

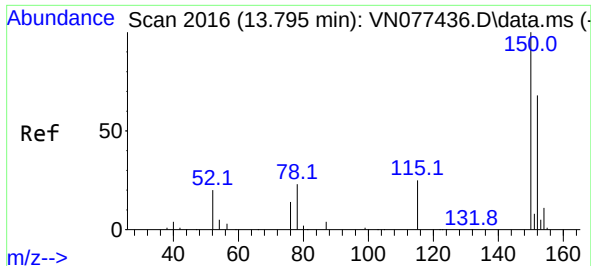
Tgt Ion:117 Resp: 1053992
Ion Ratio Lower Upper
117 100
82 53.1 44.0 66.0
119 32.3 25.6 38.4



#71
Bromoform
Concen: 0.278 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.271 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

Tgt Ion:173 Resp: 1477
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

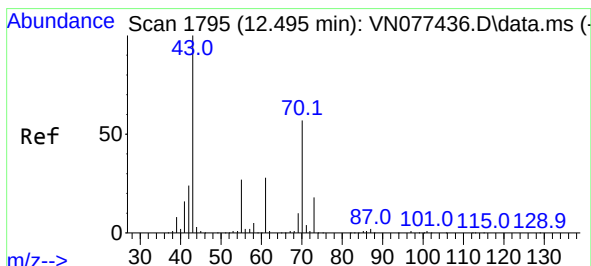
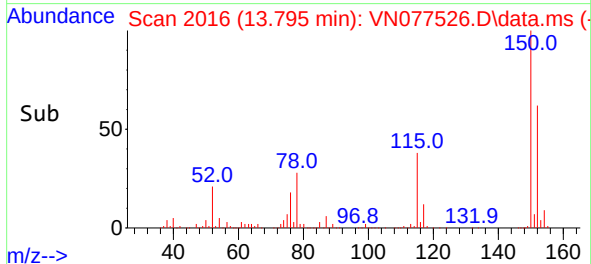
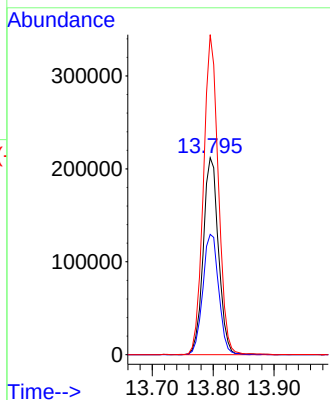
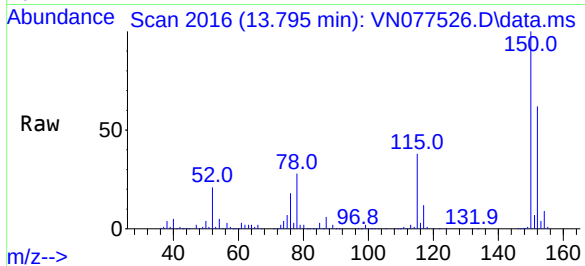




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

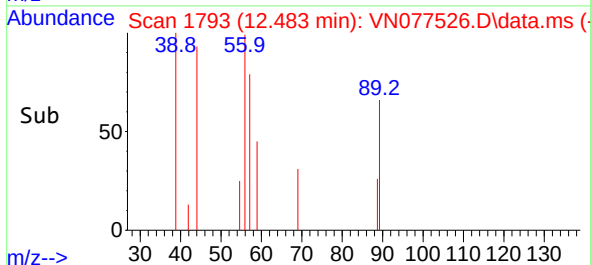
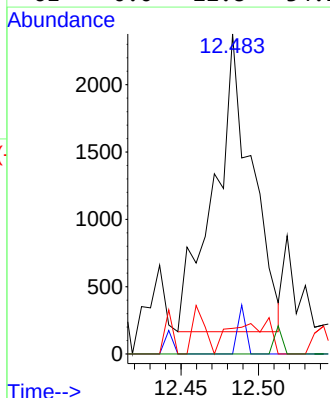
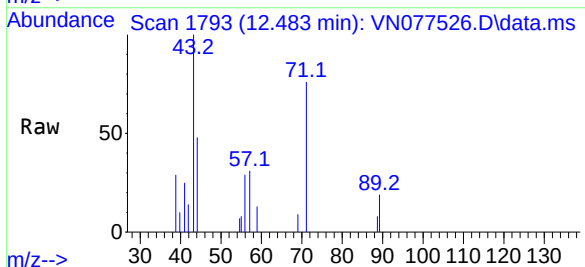
Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-02

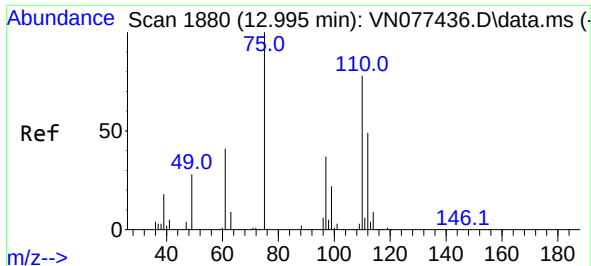
Tgt Ion:152 Resp: 369119
Ion Ratio Lower Upper
152 100
115 63.7 32.3 96.8
150 158.9 0.0 355.8



#74
N-ethyl acetate
Concen: 0.369 ug/l
RT: 12.483 min Scan# 1793
Delta R.T. -0.012 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

Tgt Ion: 43 Resp: 3741
Ion Ratio Lower Upper
43 100
70 3.4 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#

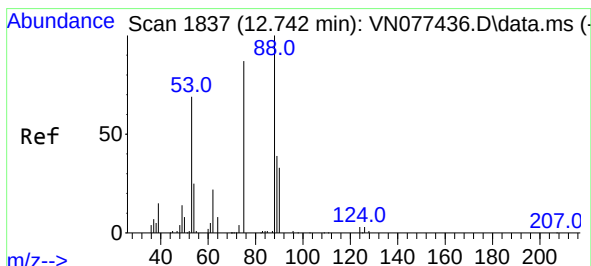
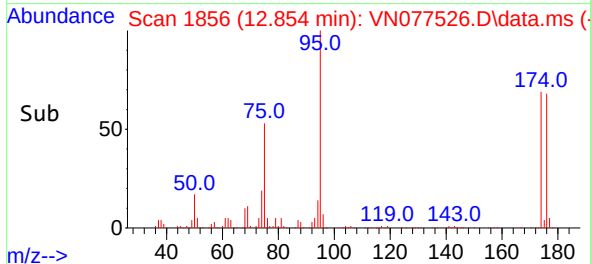
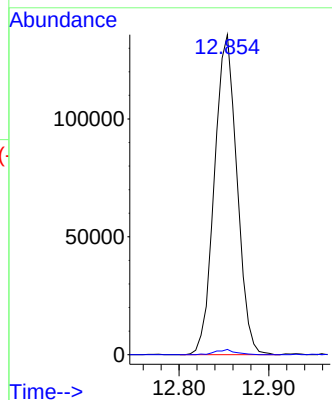
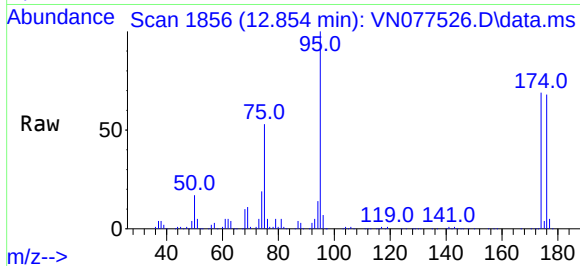




#76
1,2,3-Trichloropropane
Concen: 27.567 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

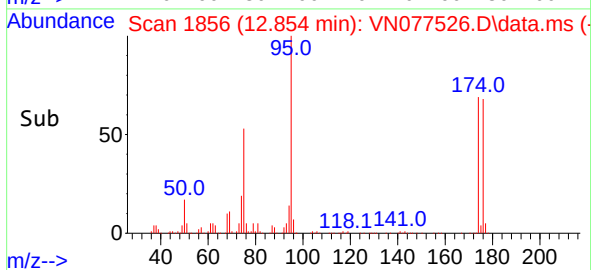
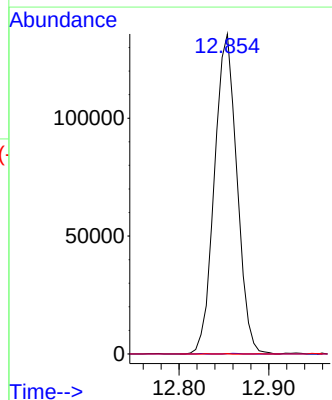
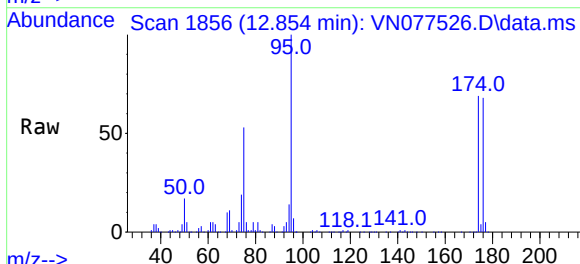
Instrument :
MSVOA_N
ClientSampleId :
BU-511-VOC-02

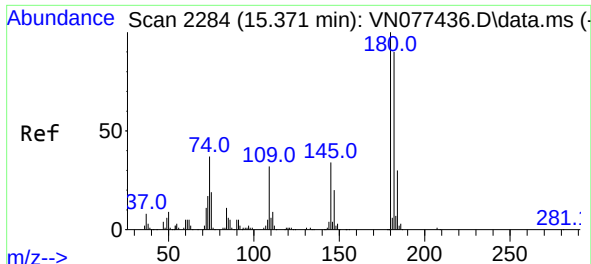
Tgt Ion: 75 Resp: 236621
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.882 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077526.D
Acq: 29 Apr 2023 18:05

Tgt Ion: 75 Resp: 236621
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

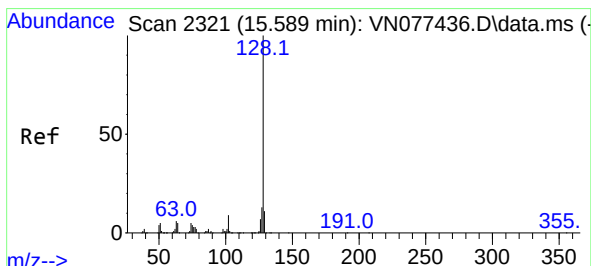
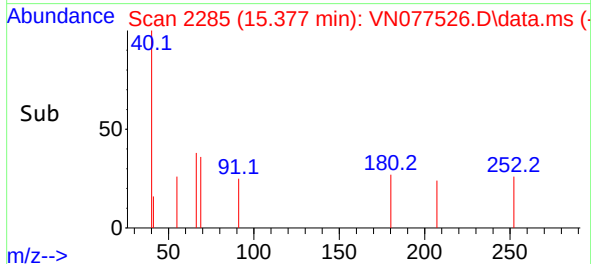
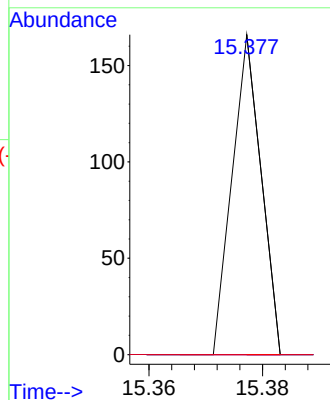
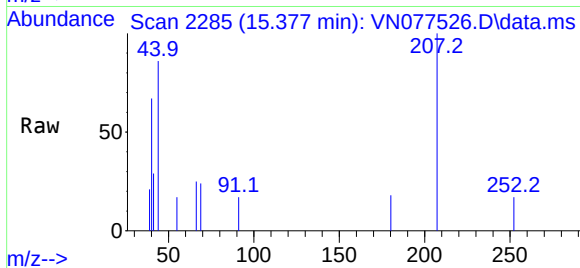




#93
 1,2,4-Trichlorobenzene
 Concen: 0.819 ug/l
 RT: 15.377 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN077526.D
 Acq: 29 Apr 2023 18:05

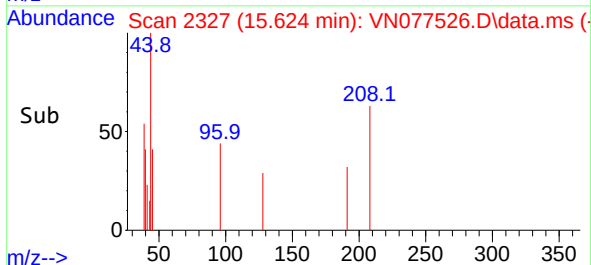
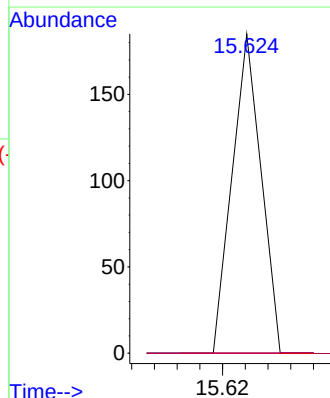
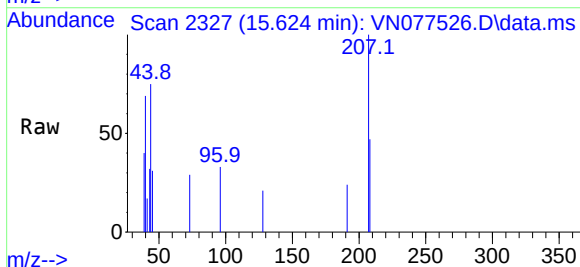
Instrument :
 MSVOA_N
 ClientSampleId :
 BU-511-VOC-02

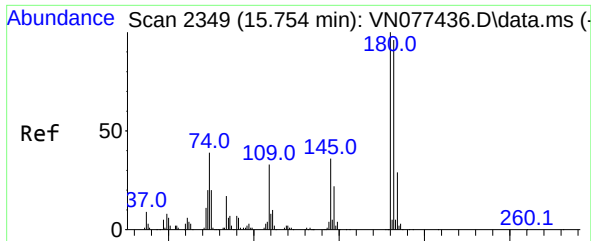
Tgt Ion:180	Resp:	59
Ion Ratio	Lower	Upper
180	100	
182	0.0	46.1 138.2#
145	0.0	16.6 49.8#



#95
 Naphthalene
 Concen: 1.147 ug/l
 RT: 15.624 min Scan# 2327
 Delta R.T. 0.035 min
 Lab File: VN077526.D
 Acq: 29 Apr 2023 18:05

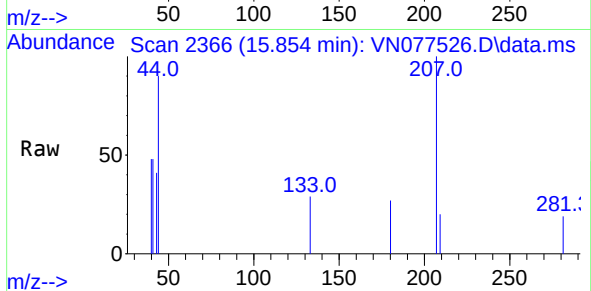
Tgt Ion:128	Resp:	65
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.0 15.0#
129	0.0	8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.571 ug/l
 RT: 15.854 min Scan# 21
 Delta R.T. 0.100 min
 Lab File: VN077526.D
 Acq: 29 Apr 2023 18:05

Instrument :
 MSVOA_N
 ClientSampleId :
 BU-511-VOC-02



Tgt Ion:	180	Resp:	239
Ion	Ratio	Lower	Upper
180	100		
182	0.0	46.2	138.6#
145	0.0	17.5	52.6#

