

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042923\
 Data File : VN077532.D
 Acq On : 29 Apr 2023 20:31
 Operator : JC\MD
 Sample : 02504-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BU-512-VOC-03

Quant Time: May 01 01:26:26 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

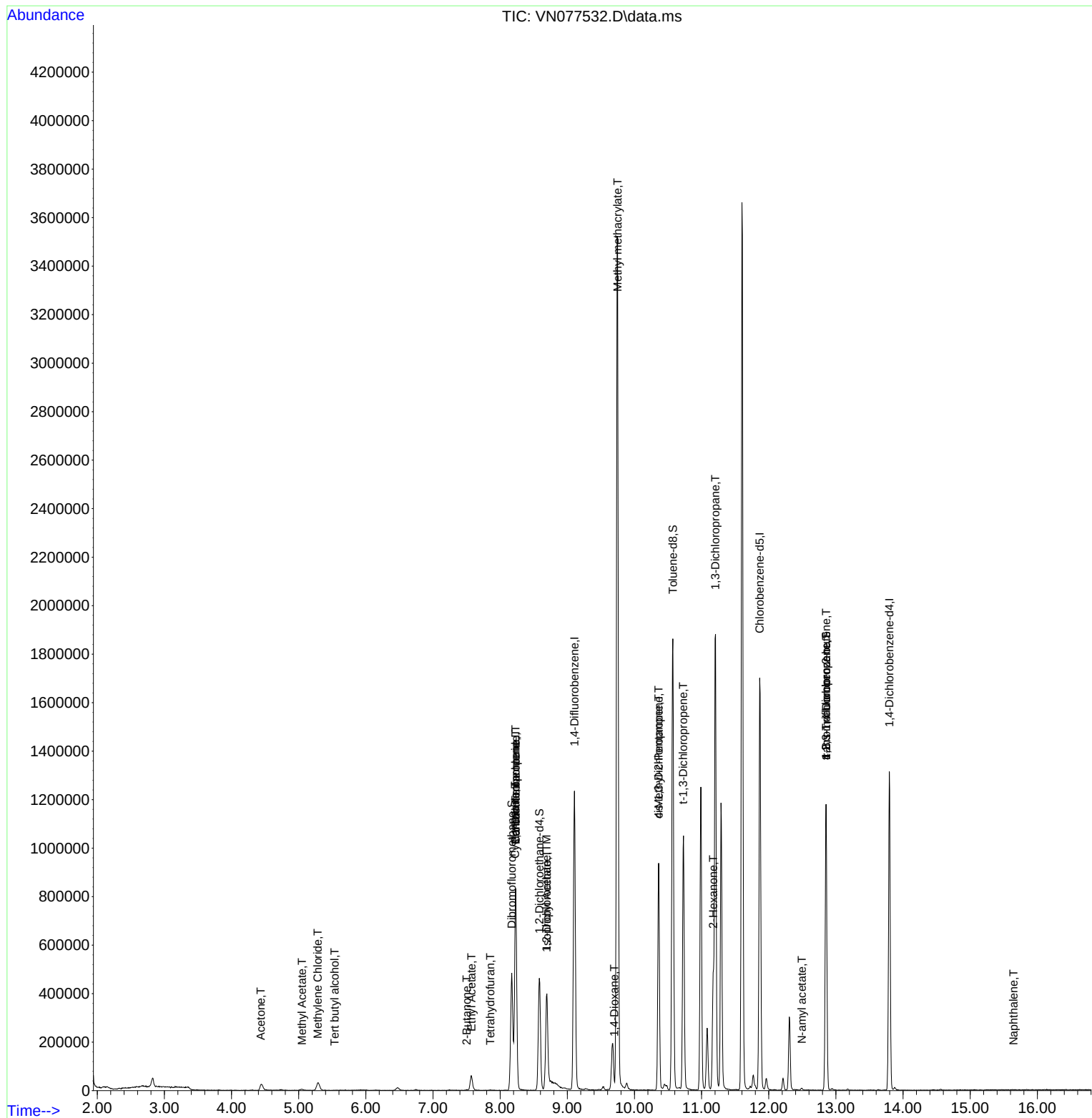
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.231	168	577043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1113615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1036746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	366524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	383779	50.968	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.940%			
35) Dibromofluoromethane	8.172	113	342212	51.128	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.260%			
50) Toluene-d8	10.572	98	1365895	53.246	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.500%			
62) 4-Bromofluorobenzene	12.854	95	434217	51.736	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.480%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.537	59	637	0.527	ug/l #	72
16) Acetone	4.437	43	51021	21.299	ug/l	91
18) Methyl Acetate	5.049	43	9159	0.990	ug/l	99
20) Methylene Chloride	5.284	84	26251	3.455	ug/l #	85
25) 2-Butanone	7.501	43	4025	1.185	ug/l #	85
29) Tetrahydrofuran	7.854	42	1329	0.624	ug/l #	46
31) Cyclohexane	8.225	56	14170	1.328	ug/l #	38
36) 1,1-Dichloropropene	8.231	75	51683	5.345	ug/l #	49
37) Ethyl Acetate	7.572	43	85978	11.701	ug/l	97
38) Carbon Tetrachloride	8.231	117	64044	6.003	ug/l #	16
42) 1,2-Dichloroethane	8.690	62	3644	0.360	ug/l #	73
43) Isopropyl Acetate	8.695	43	448366	35.271	ug/l #	88
48) Methyl methacrylate	9.748	41	304589	52.638	ug/l #	30
49) 1,4-Dioxane	9.701	88	54	0.372	ug/l #	30
51) 4-Methyl-2-Pentanone	10.360	43	299442	40.160	ug/l #	41
53) t-1,3-Dichloropropene	10.725	75	2959	0.270	ug/l #	54
54) cis-1,3-Dichloropropene	10.360	75	197558	16.550	ug/l #	61
57) 1,3-Dichloropropane	11.207	76	24324	1.968	ug/l #	43
59) 2-Hexanone	11.172	43	325805	60.113	ug/l #	19
74) N-amyl acetate	12.495	43	2902	0.288	ug/l #	45
76) 1,2,3-Trichloropropane	12.854	75	227050	26.639	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	227050	75.260	ug/l #	15
95) Naphthalene	15.648	128	258	1.167	ug/l #	70

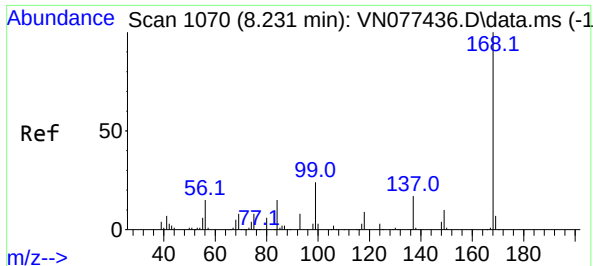
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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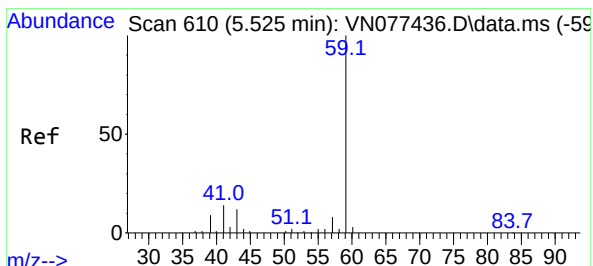
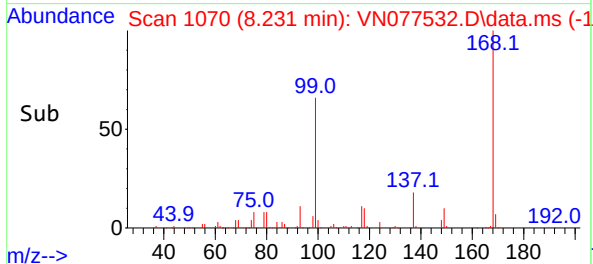
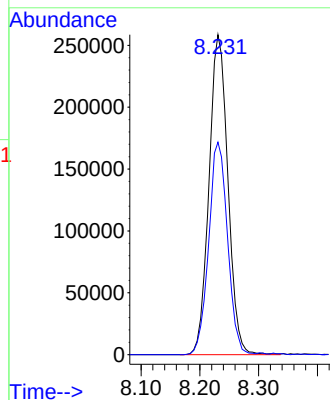
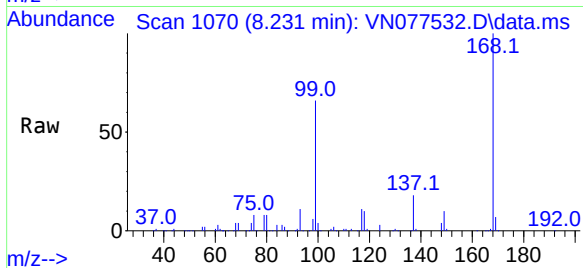




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

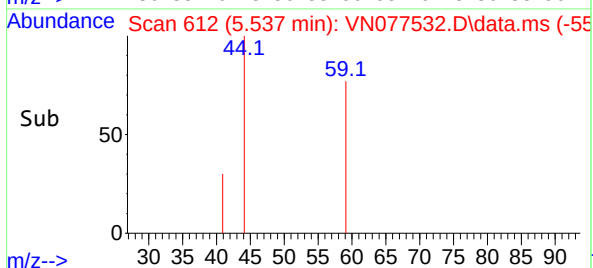
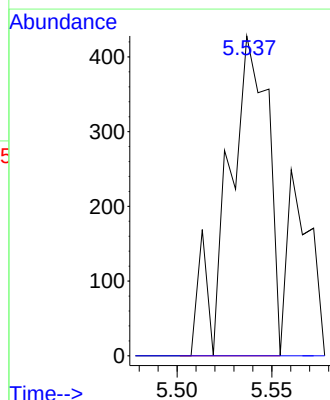
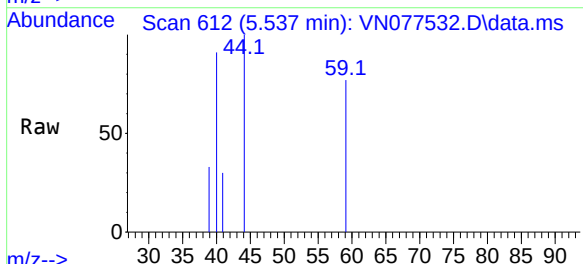
Instrument :
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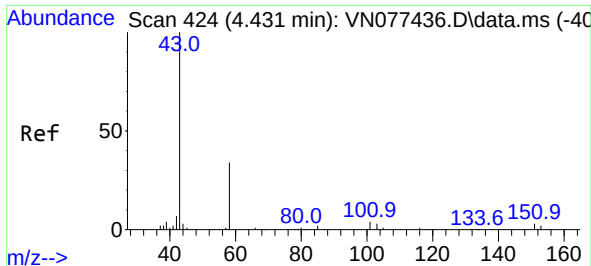
Tgt Ion:168 Resp: 577043
Ion Ratio Lower Upper
168 100
99 66.4 53.0 79.6



#11
Tert butyl alcohol
Concen: 0.527 ug/l
RT: 5.537 min Scan# 612
Delta R.T. 0.012 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

Tgt Ion: 59 Resp: 637
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

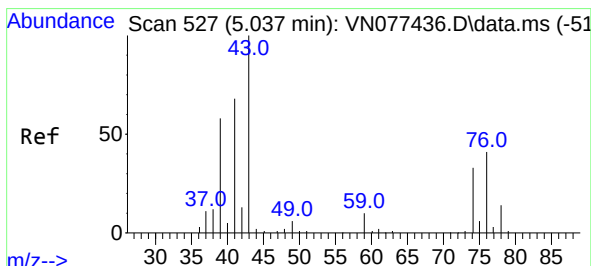
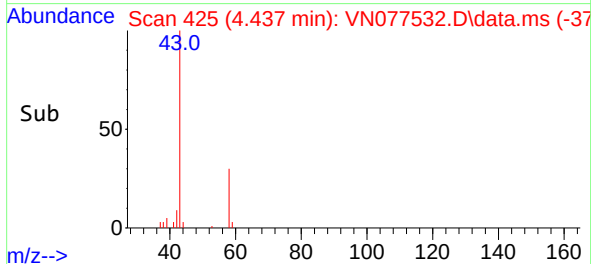
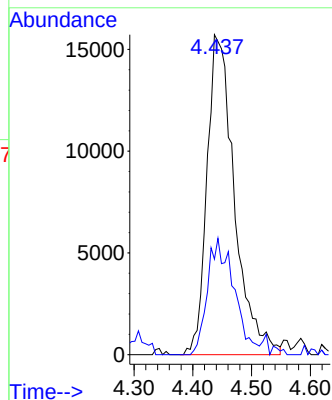
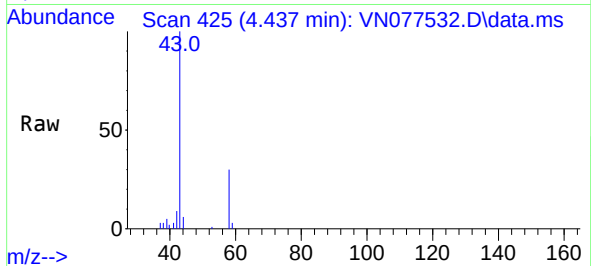




#16
Acetone
Concen: 21.299 ug/l
RT: 4.437 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

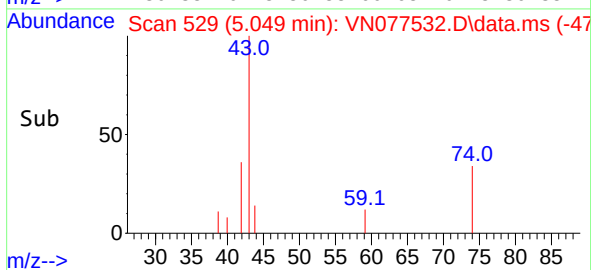
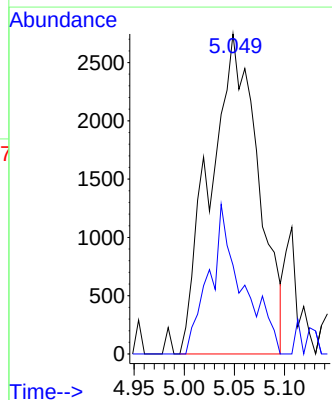
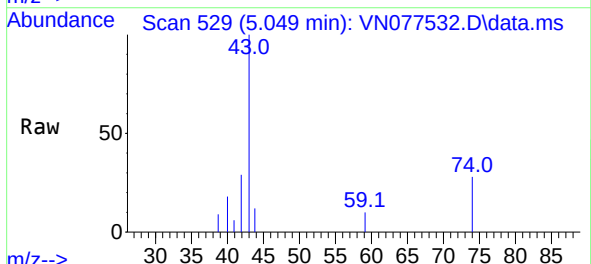
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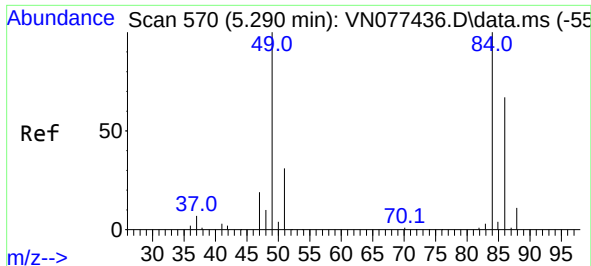
Tgt Ion: 43 Resp: 51021
Ion Ratio Lower Upper
43 100
58 29.9 28.0 42.0



#18
Methyl Acetate
Concen: 0.990 ug/l
RT: 5.049 min Scan# 529
Delta R.T. 0.012 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

Tgt Ion: 43 Resp: 9159
Ion Ratio Lower Upper
43 100
74 32.1 26.2 39.4

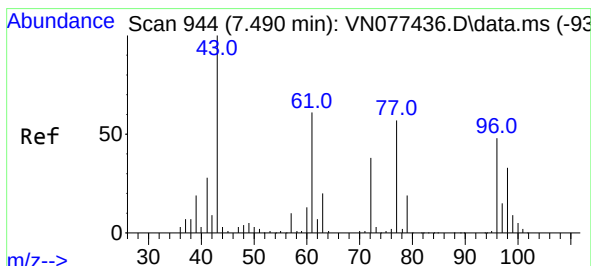
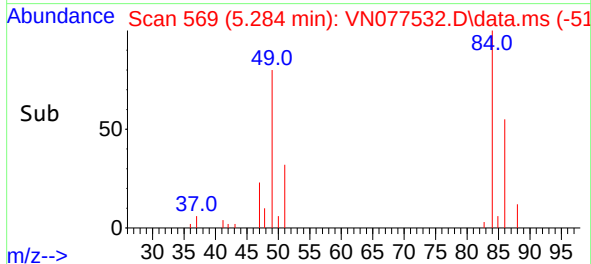
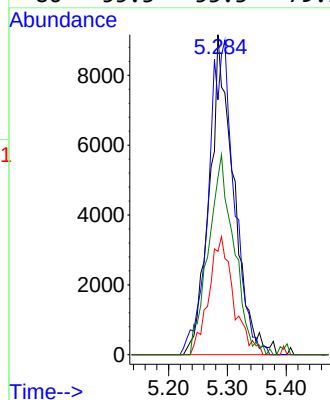
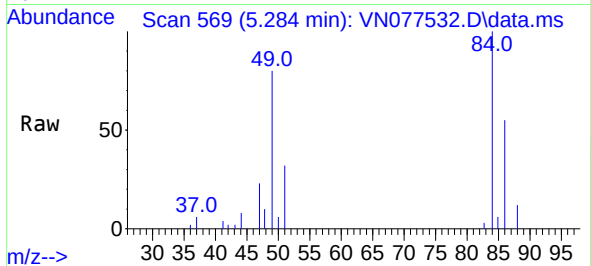




#20
Methylene Chloride
Concen: 3.455 ug/l
RT: 5.284 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

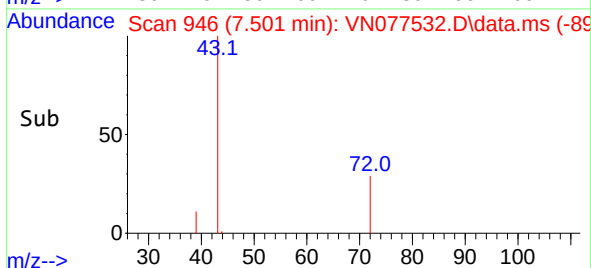
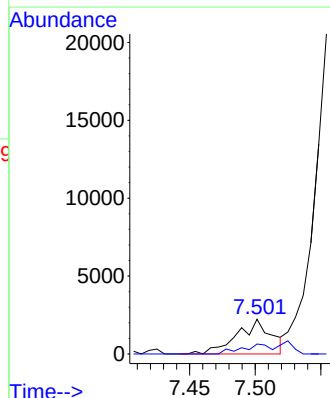
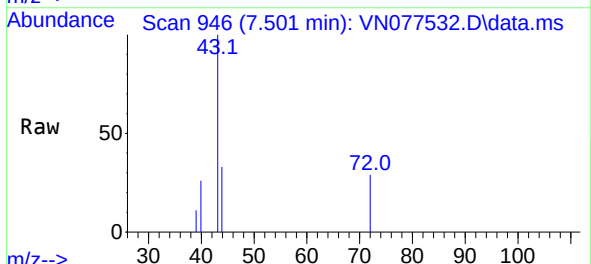
Instrument :
MSVOA_N
ClientSampleId :
BU-512-VOC-03

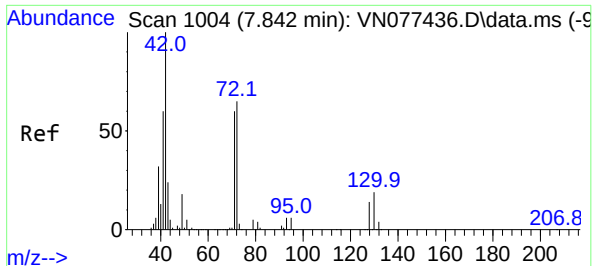
Tgt Ion: 84	Resp: 26251
Ion Ratio	Lower Upper
84 100	
49 79.7	79.7 119.5#
51 32.3	25.2 37.8
86 55.3	53.3 79.9



#25
2-Butanone
Concen: 1.185 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.012 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

Tgt Ion: 43	Resp: 4025		
Ion Ratio	Lower	Upper	
43 100			
72 28.8	30.2	45.2#	

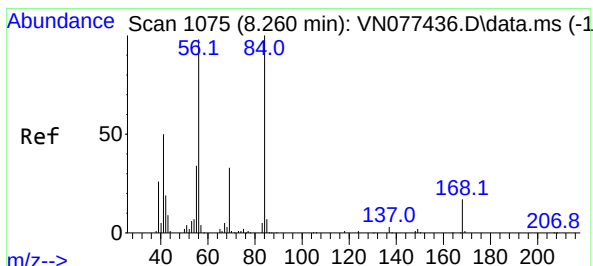
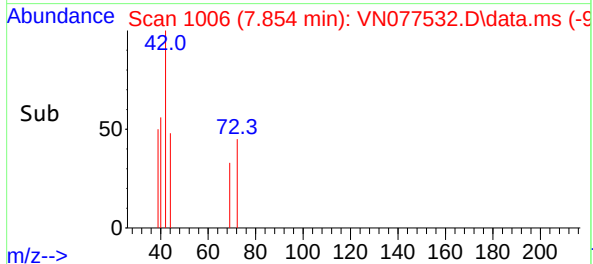
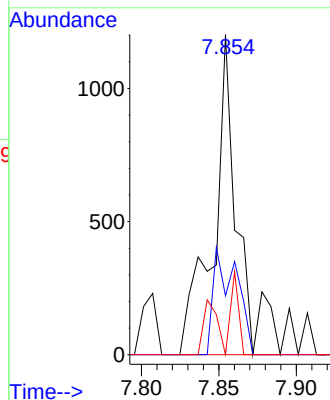
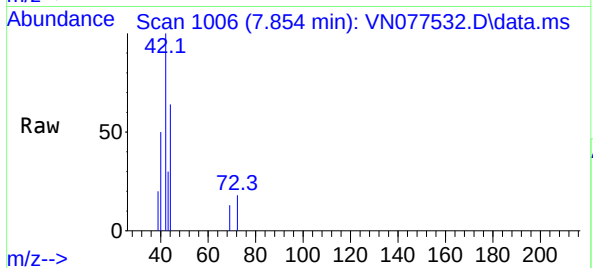




#29
Tetrahydrofuran
Concen: 0.624 ug/l
RT: 7.854 min Scan# 1069
Delta R.T. 0.012 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

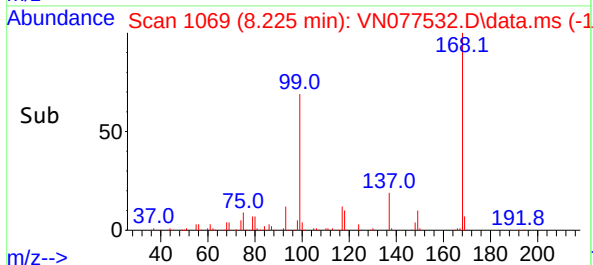
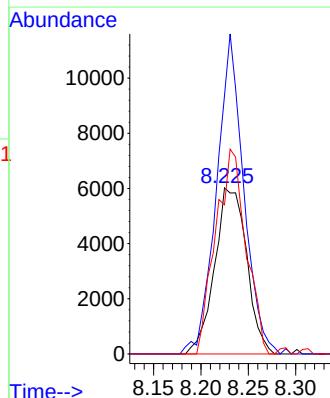
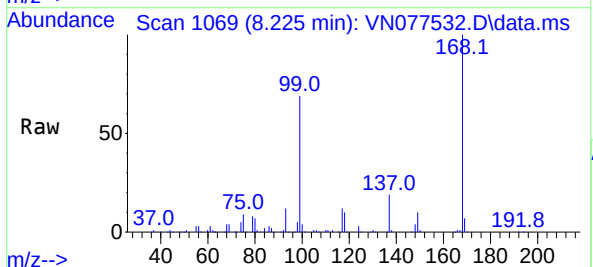
Instrument :
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BU-512-VOC-03

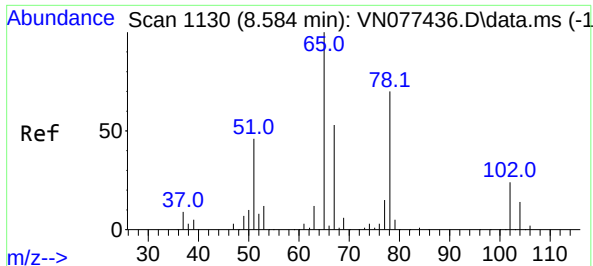
Tgt Ion: 42 Resp: 1329
Ion Ratio Lower Upper
42 100
72 31.2 49.8 74.6#
71 8.3 47.4 71.2#



#31
Cyclohexane
Concen: 1.328 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

Tgt Ion: 56 Resp: 14170
Ion Ratio Lower Upper
56 100
69 155.7 26.8 40.2#
84 89.7 81.8 122.6

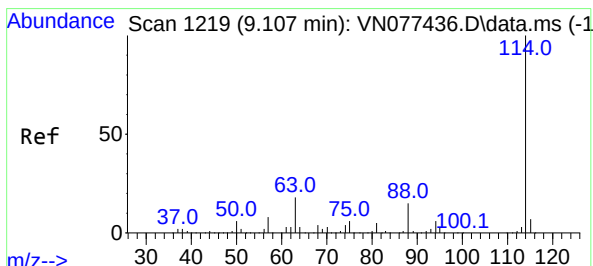
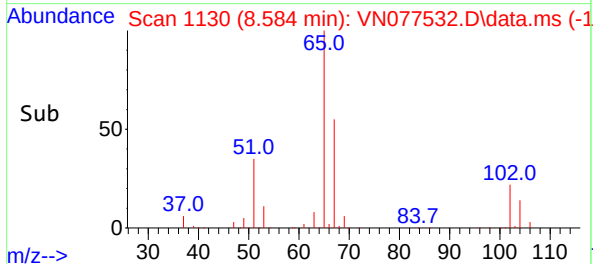
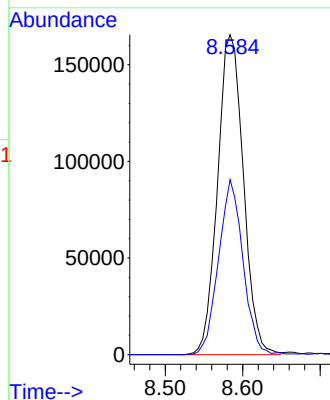
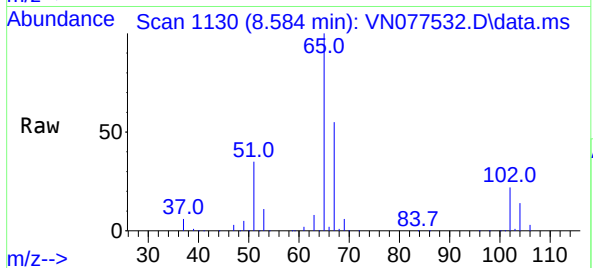




#33
1,2-Dichloroethane-d4
Concen: 50.968 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

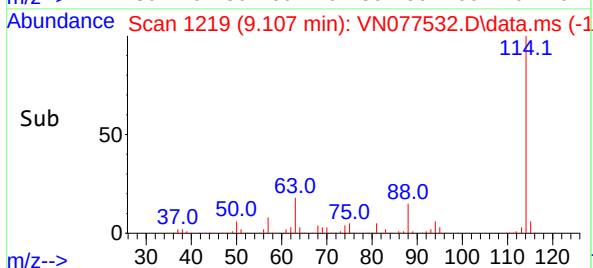
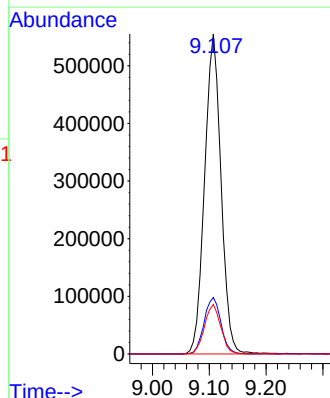
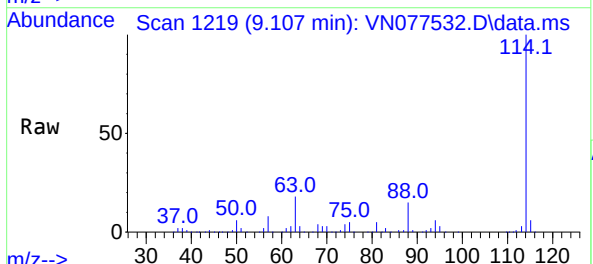
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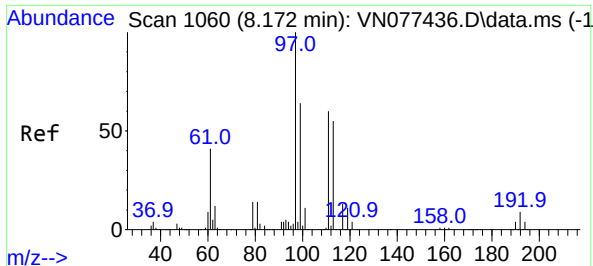
Tgt Ion: 65 Resp: 383779
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

Tgt Ion: 114 Resp: 1113615
Ion Ratio Lower Upper
114 100
63 17.6 0.0 36.4
88 15.4 0.0 30.6

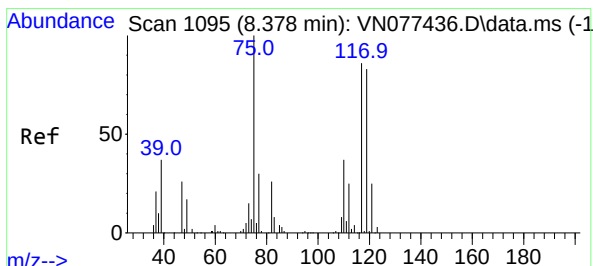
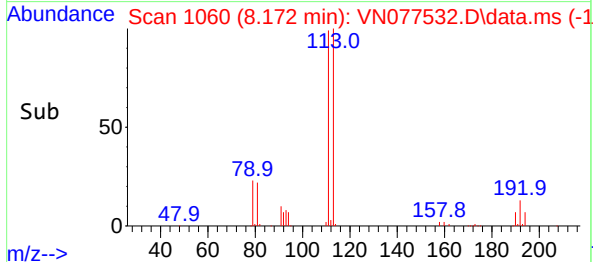
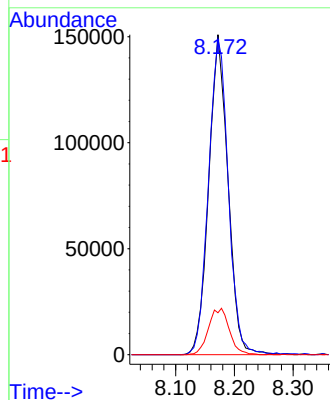
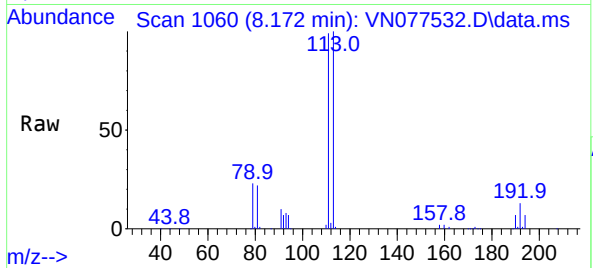




#35
Dibromofluoromethane
Concen: 51.128 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

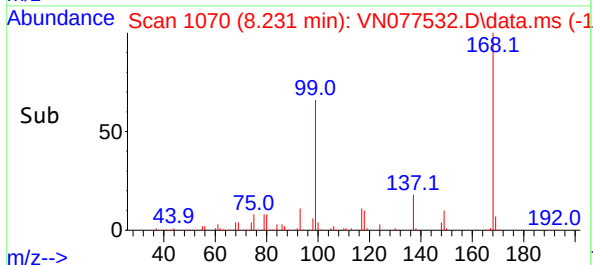
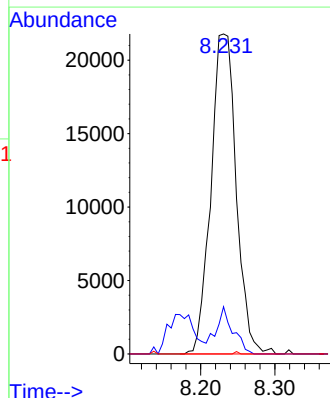
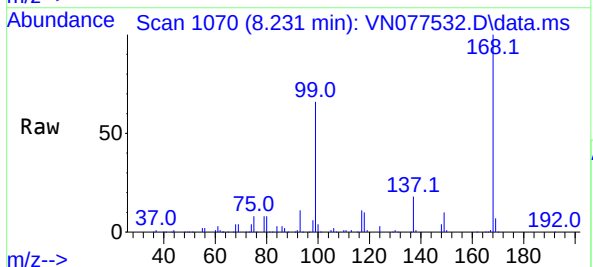
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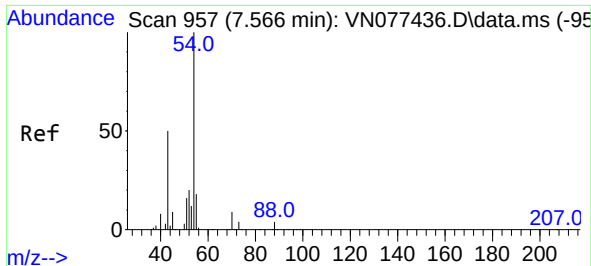
Tgt Ion:113 Resp: 342212
Ion Ratio Lower Upper
113 100
111 102.4 82.6 123.8
192 15.8 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.345 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

Tgt Ion: 75 Resp: 51683
Ion Ratio Lower Upper
75 100
110 9.9 19.1 57.3#
77 0.1 25.0 37.4#

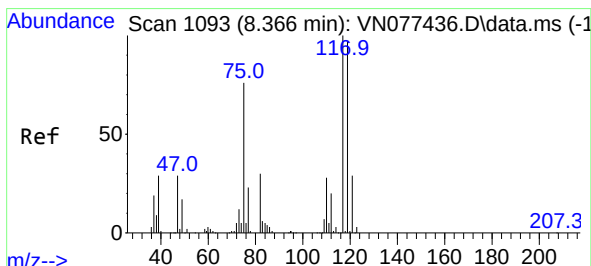
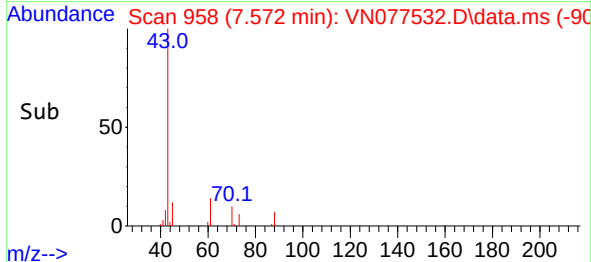
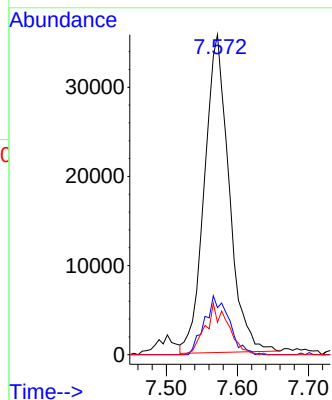
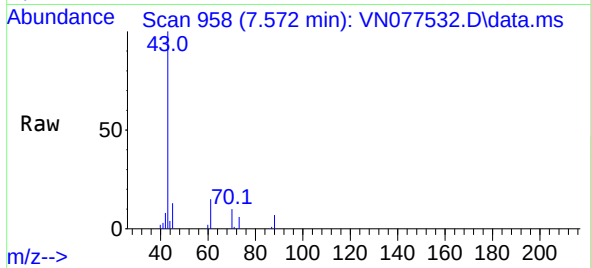




#37
Ethyl Acetate
Concen: 11.701 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

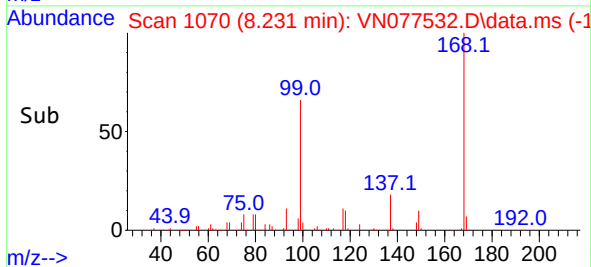
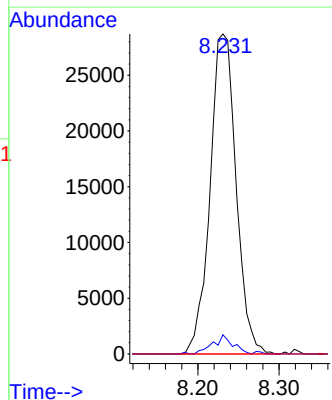
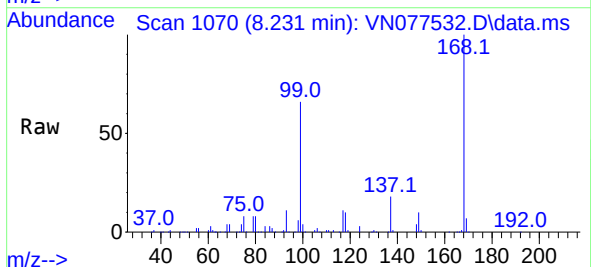
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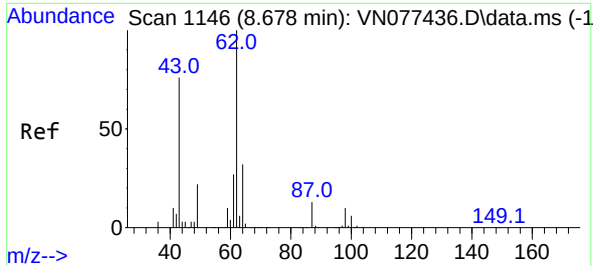
Tgt Ion: 43 Resp: 85978
Ion Ratio Lower Upper
43 100
61 18.4 13.2 19.8
70 15.0 11.3 16.9



#38
Carbon Tetrachloride
Concen: 6.003 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

Tgt Ion: 117 Resp: 64044
Ion Ratio Lower Upper
117 100
119 6.0 77.3 115.9#
121 0.0 23.3 34.9#

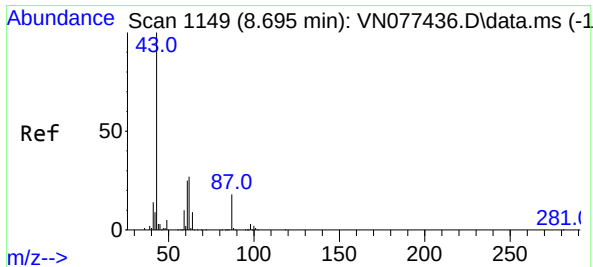
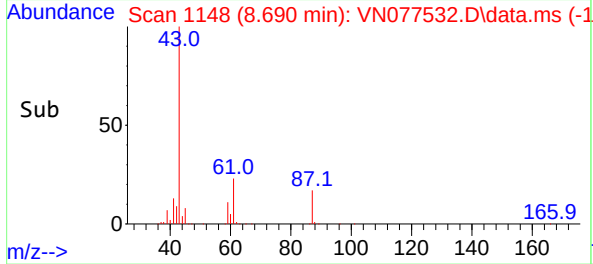
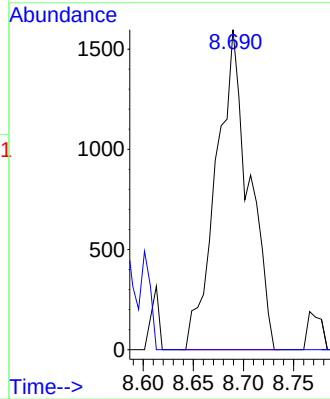
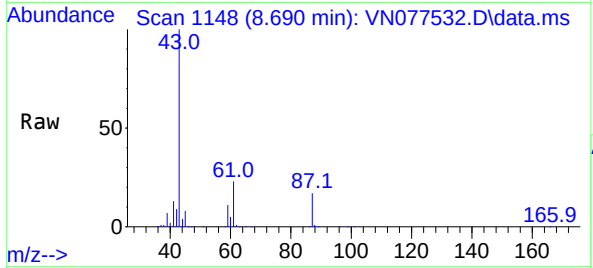




#42
 1,2-Dichloroethane
 Concen: 0.360 ug/l
 RT: 8.690 min Scan# 1148
 Delta R.T. 0.012 min
 Lab File: VN077532.D
 Acq: 29 Apr 2023 20:31

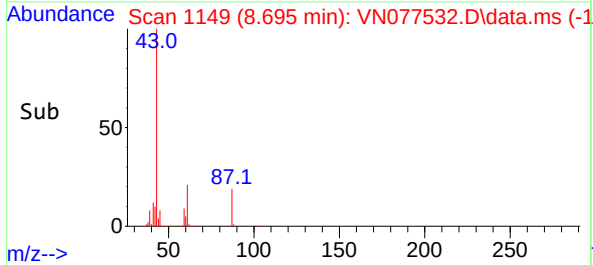
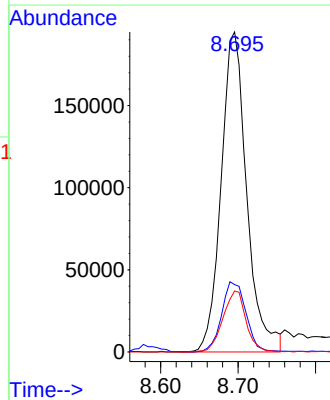
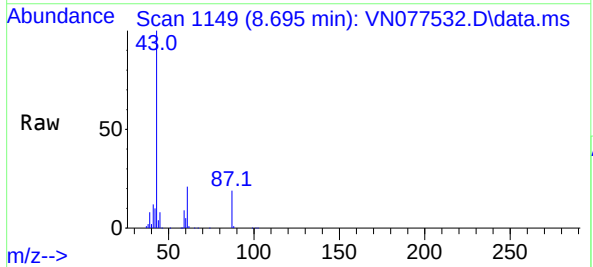
Instrument :
 MSVOA_N
 ClientSampleId :
 BU-512-VOC-03

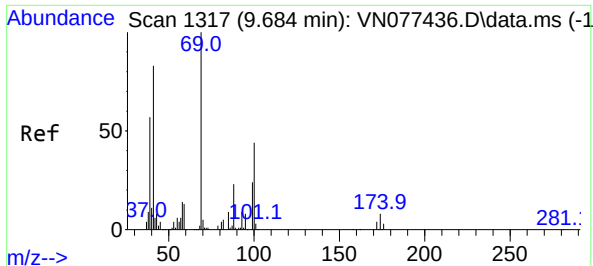
Tgt Ion:	62	Resp:	3644
Ion Ratio	Lower	Upper	
62	100		
98	0.0	0.0	19.8



#43
 Isopropyl Acetate
 Concen: 35.271 ug/l
 RT: 8.695 min Scan# 1149
 Delta R.T. 0.000 min
 Lab File: VN077532.D
 Acq: 29 Apr 2023 20:31

Tgt Ion:	43	Resp:	448366
Ion Ratio	Lower	Upper	
43	100		
61	20.9	24.7	37.1
87	17.2	14.6	21.8





#48

Methyl methacrylate

Concen: 52.638 ug/l

RT: 9.748 min Scan# 1

Delta R.T. 0.065 min

Lab File: VN077532.D

Acq: 29 Apr 2023 20:31

Instrument :

MSVOA_N

ClientSampleId :

BU-512-VOC-03

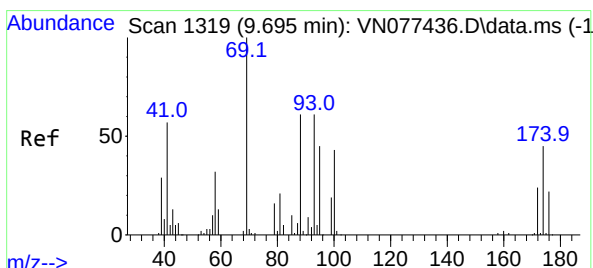
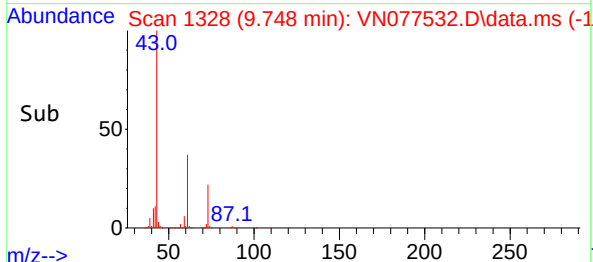
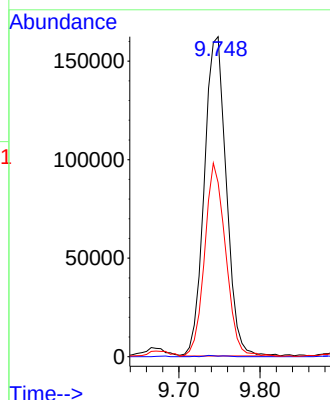
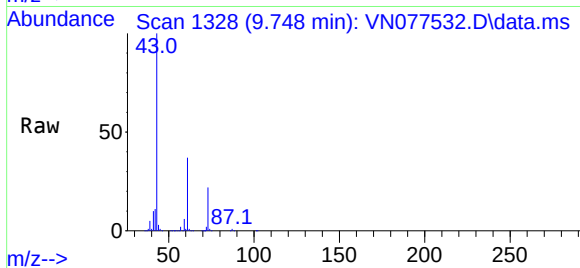
Tgt Ion: 41 Resp: 304589

Ion Ratio Lower Upper

41 100

69 0.3 90.4 135.6#

39 57.7 54.6 81.8



#49

1,4-Dioxane

Concen: 0.372 ug/l

RT: 9.701 min Scan# 1320

Delta R.T. 0.006 min

Lab File: VN077532.D

Acq: 29 Apr 2023 20:31

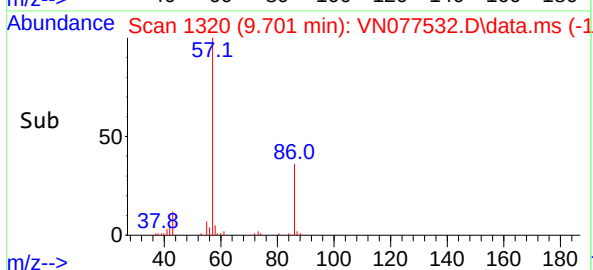
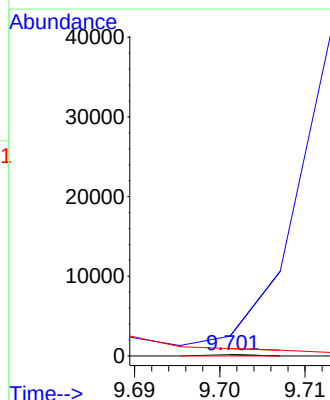
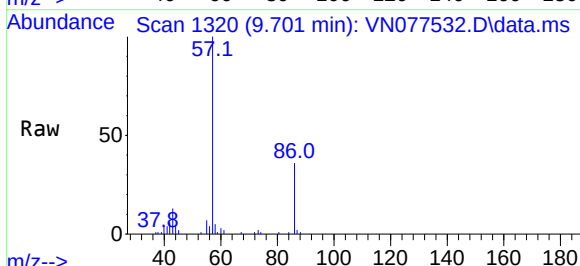
Tgt Ion: 88 Resp: 54

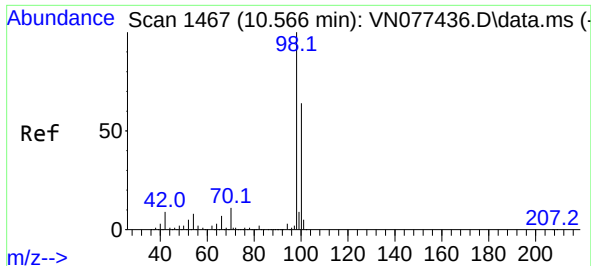
Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 0.0 47.0 70.4#

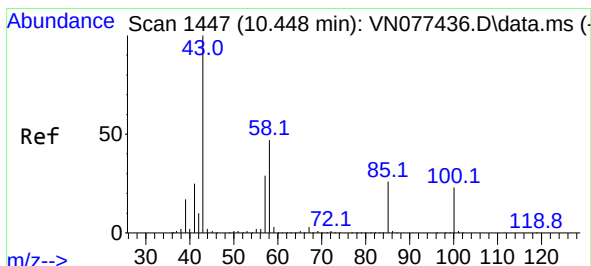
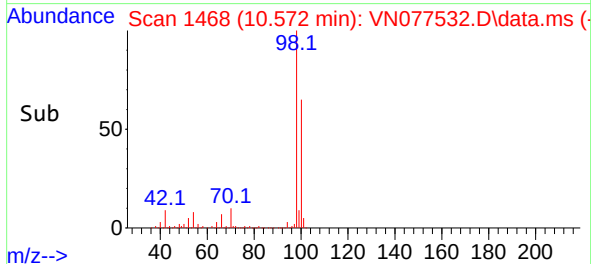
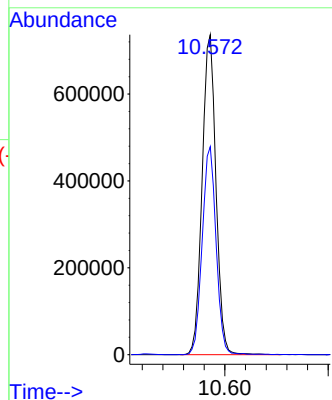
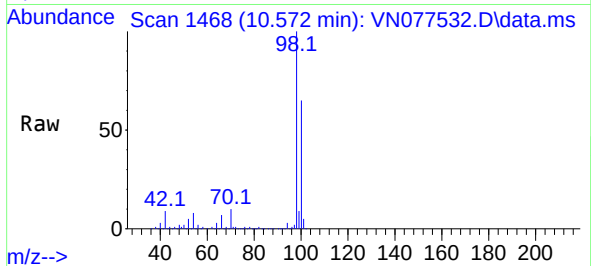




#50
Toluene-d8
Concen: 53.246 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

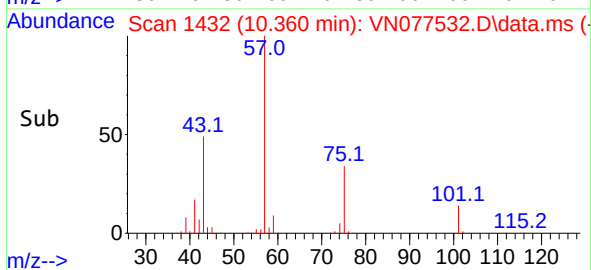
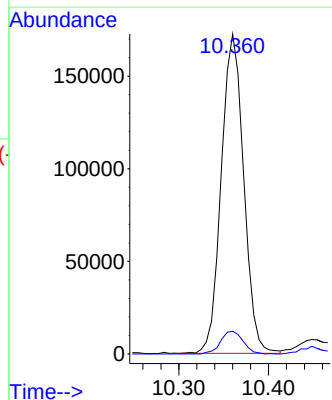
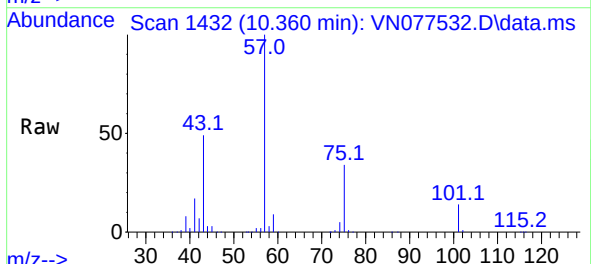
Instrument :
MSVOA_N
ClientSampleId :
BU-512-VOC-03

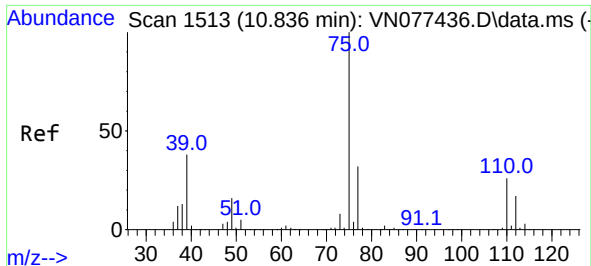
Tgt Ion: 98 Resp: 1365895
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 40.160 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. -0.088 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

Tgt Ion: 43 Resp: 299442
Ion Ratio Lower Upper
43 100
58 7.1 36.6 54.8#

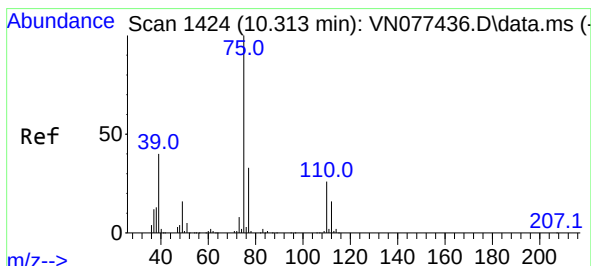
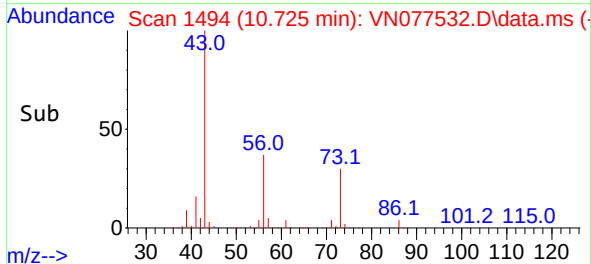
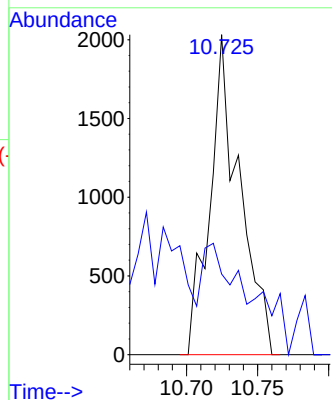
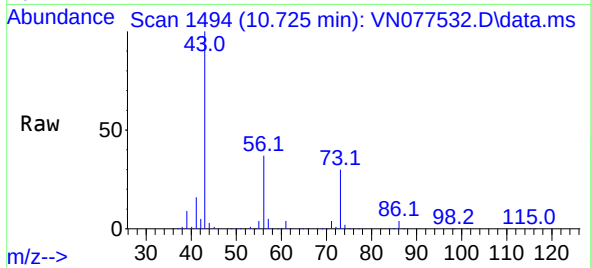




#53
t-1,3-Dichloropropene
Concen: 0.270 ug/l
RT: 10.725 min Scan# 1494
Delta R.T. -0.112 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

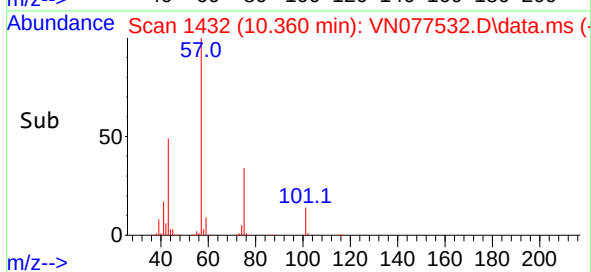
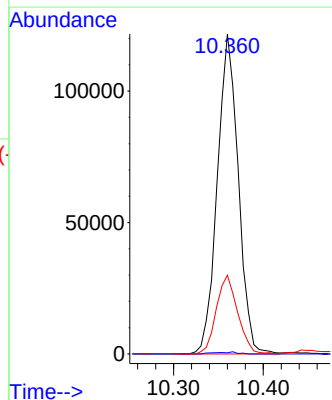
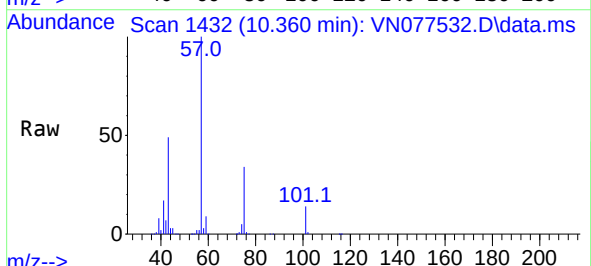
Instrument :
MSVOA_N
ClientSampleId :
BU-512-VOC-03

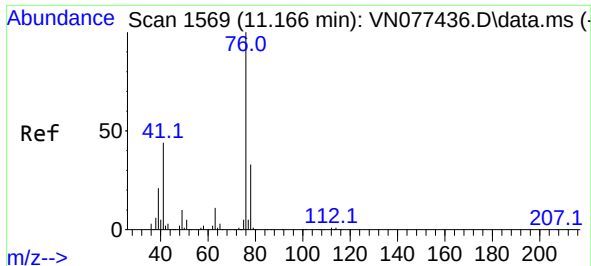
Tgt Ion: 75 Resp: 2959
Ion Ratio Lower Upper
75 100
77 6.1 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 16.550 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

Tgt Ion: 75 Resp: 197558
Ion Ratio Lower Upper
75 100
77 0.3 26.1 39.1#
39 24.6 31.6 47.4#

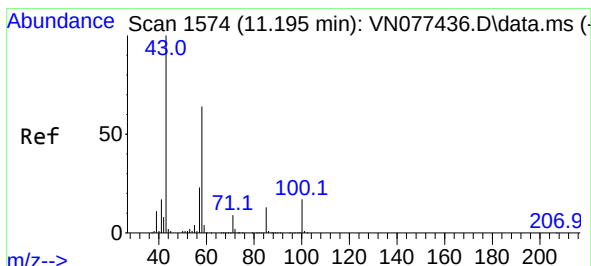
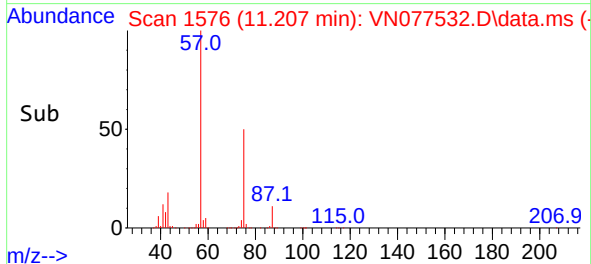
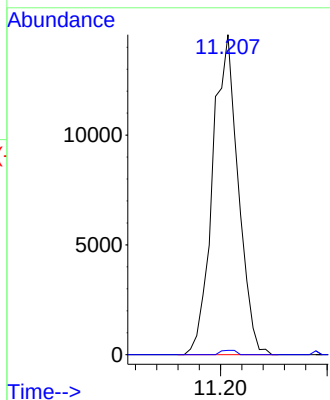
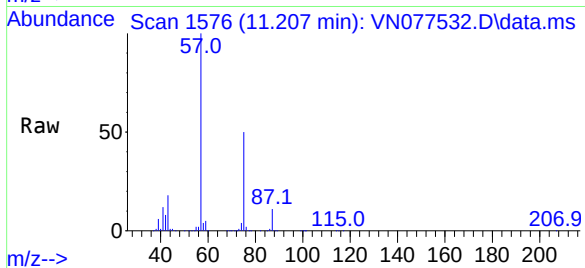




#57
1,3-Dichloropropane
Concen: 1.968 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.041 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

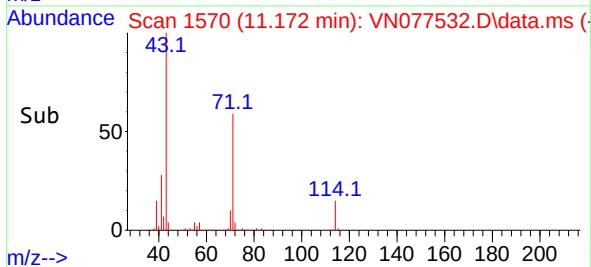
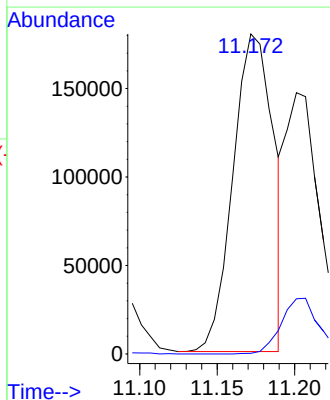
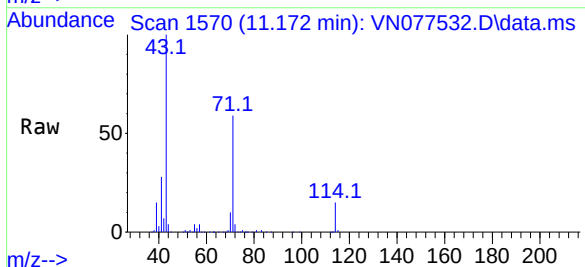
Instrument :
MSVOA_N
ClientSampleId :
BU-512-VOC-03

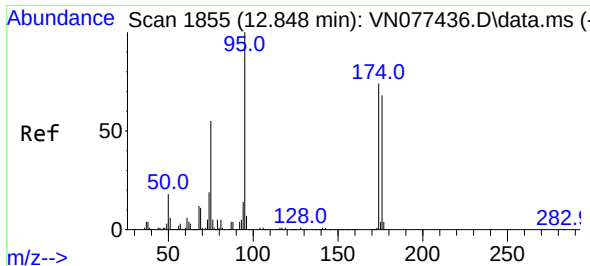
Tgt Ion: 76 Resp: 24324
Ion Ratio Lower Upper
76 100
78 0.8 26.1 39.1#



#59
2-Hexanone
Concen: 60.113 ug/l
RT: 11.172 min Scan# 1570
Delta R.T. -0.023 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

Tgt Ion: 43 Resp: 325805
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

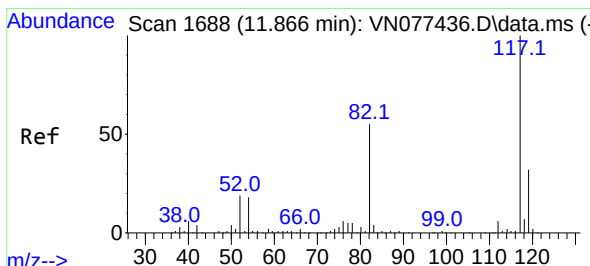
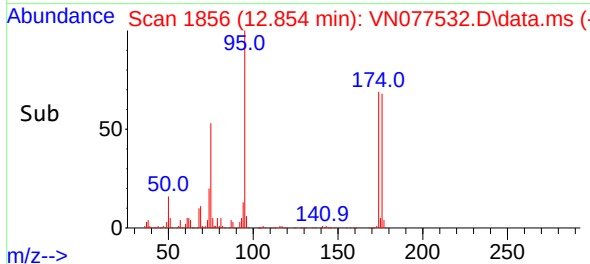
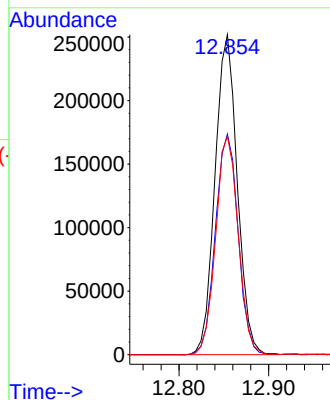
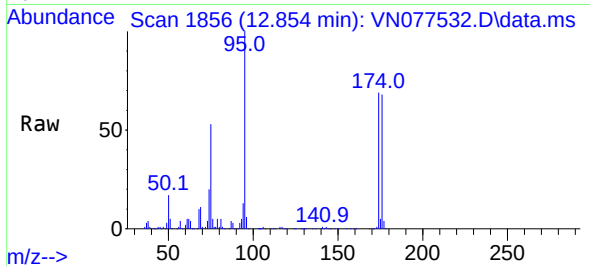




#62
4-Bromofluorobenzene
Concen: 51.736 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

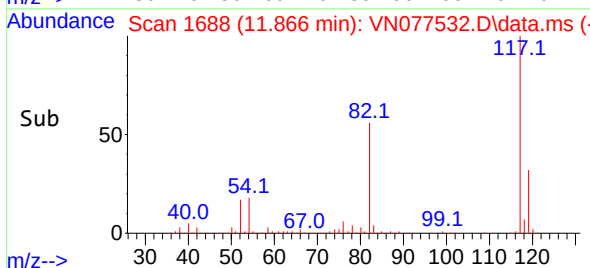
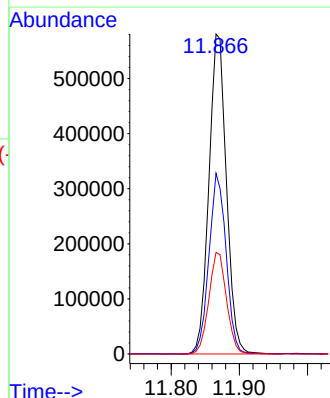
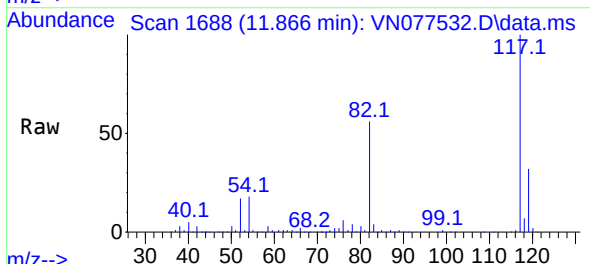
Instrument :
MSVOA_N
ClientSampleId :
BU-512-VOC-03

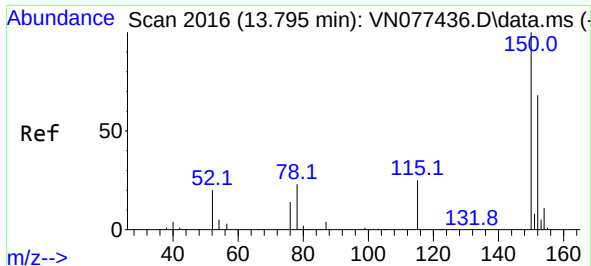
Tgt Ion: 95 Resp: 434217
Ion Ratio Lower Upper
95 100
174 70.3 0.0 143.8
176 68.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

Tgt Ion: 117 Resp: 1036746
Ion Ratio Lower Upper
117 100
82 56.4 44.0 66.0
119 31.8 25.6 38.4

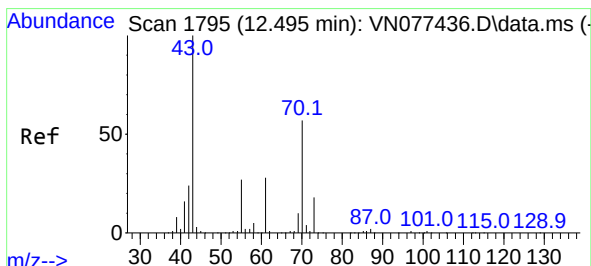
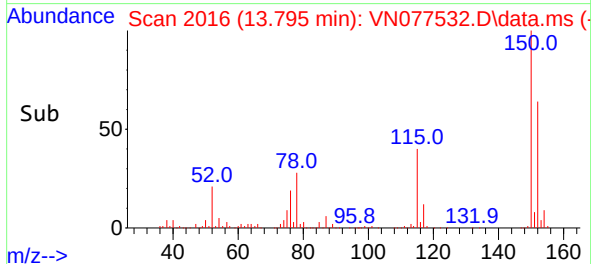
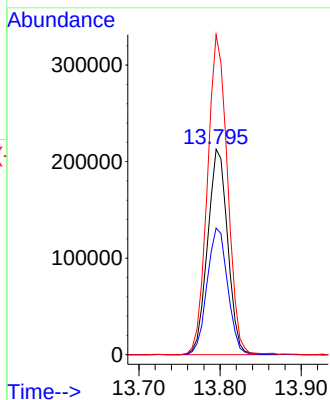
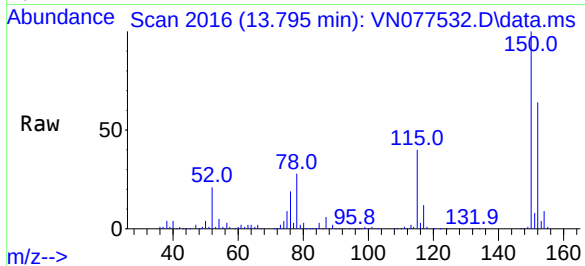




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

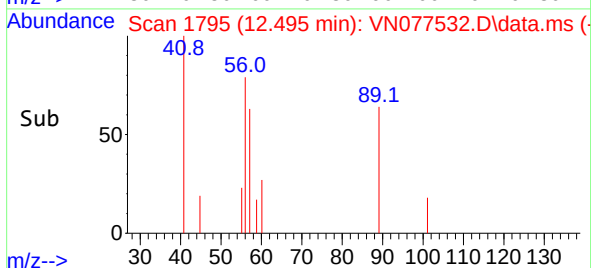
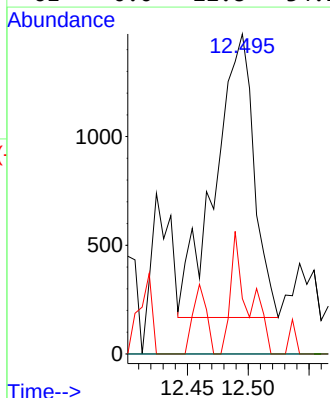
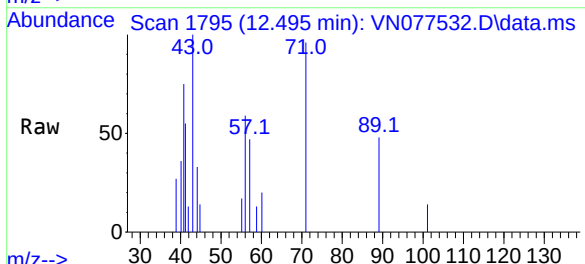
Instrument :
MSVOA_N
ClientSampleId :
BU-512-VOC-03

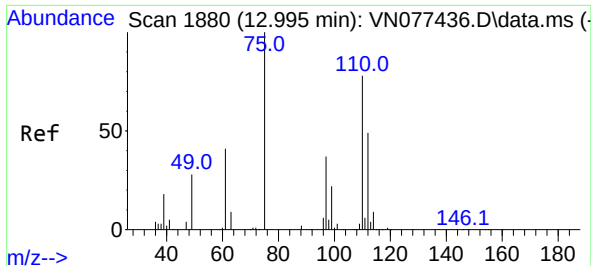
Tgt Ion:152 Resp: 366524
Ion Ratio Lower Upper
152 100
115 63.0 32.3 96.8
150 155.4 0.0 355.8



#74
N-ethyl acetate
Concen: 0.288 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

Tgt Ion: 43 Resp: 2902
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 19.8 21.4 32.0#
61 0.0 22.8 34.2#

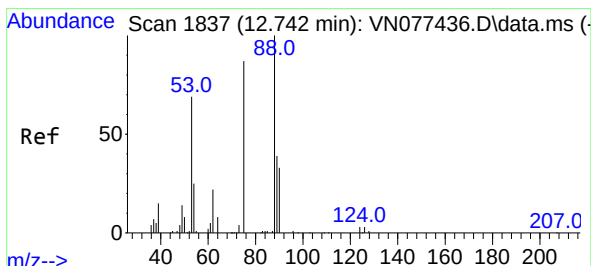
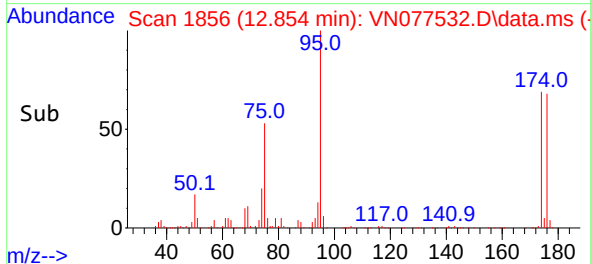
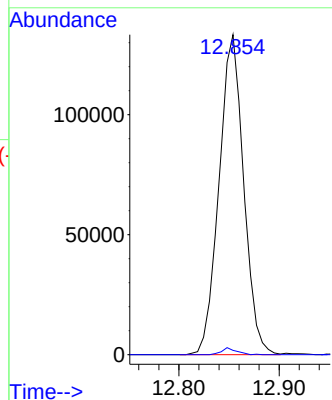
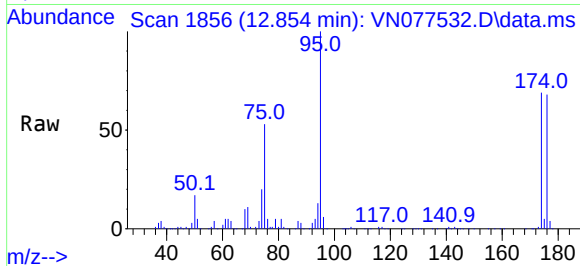




#76
1,2,3-Trichloropropane
Concen: 26.639 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

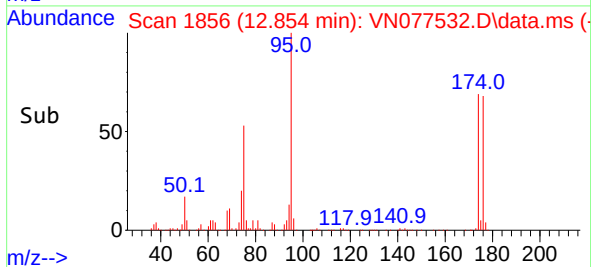
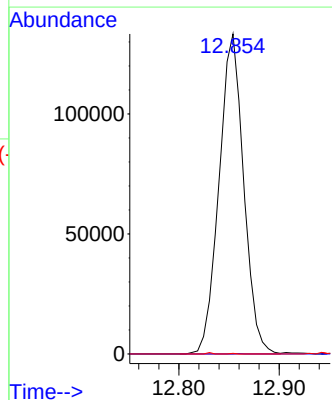
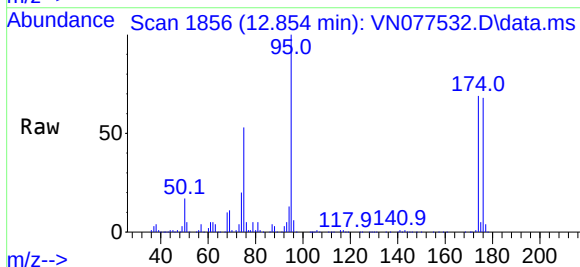
Instrument :
MSVOA_N
ClientSampleId :
BU-512-VOC-03

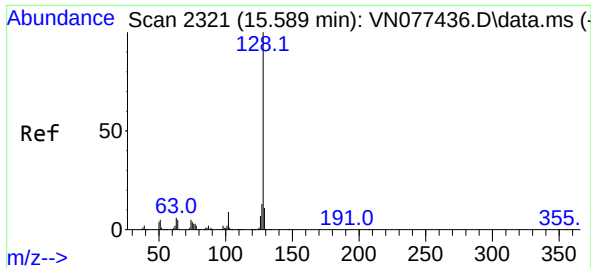
Tgt Ion: 75 Resp: 227050
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.260 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

Tgt Ion: 75 Resp: 227050
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 1.167 ug/l
RT: 15.648 min Scan# 21
Delta R.T. 0.059 min
Lab File: VN077532.D
Acq: 29 Apr 2023 20:31

Instrument :
MSVOA_N
ClientSampleId :
BU-512-VOC-03

Tgt Ion:128 Resp: 258
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

