

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY113022\
 Data File : VY011647.D
 Acq On : 30 Nov 2022 17:36
 Operator : KP/MD
 Sample : N5807-01
 Misc : 5.31g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-1-GRAB

Quant Time: Dec 01 05:25:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

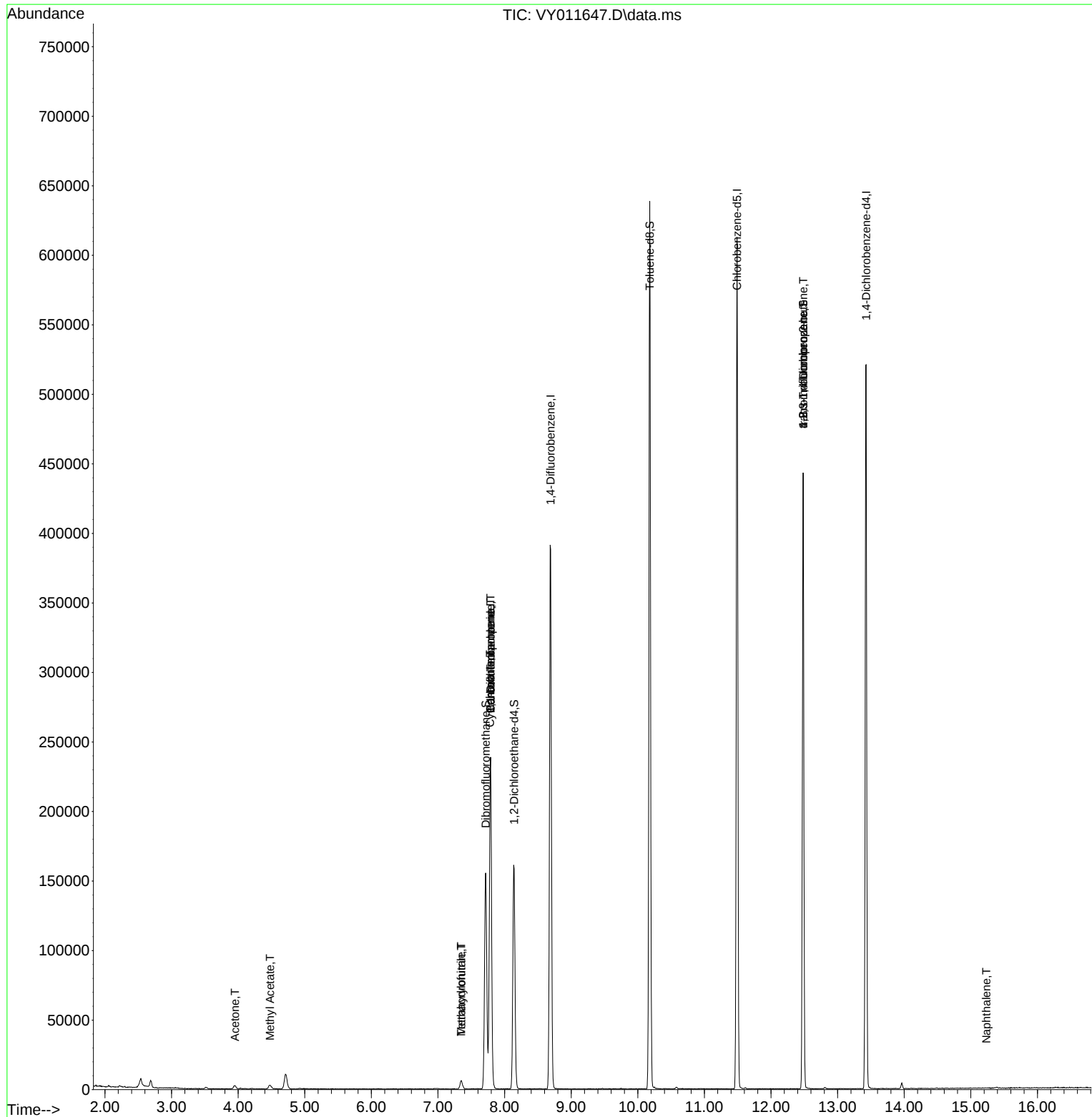
Internal Standards						
1) Pentafluorobenzene	7.789	168	182956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	334497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	315790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	133821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	126267	67.968	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 135.940%			
35) Dibromofluoromethane	7.716	113	108011	52.454	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.900%			
50) Toluene-d8	10.179	98	406397	54.311	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.620%			
62) 4-Bromofluorobenzene	12.483	95	128507	46.450	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.900%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	277	Below Cal	#	44
5) Bromomethane	2.656	94	227	Below Cal		88
11) Tert butyl alcohol	4.936	59	387	Below Cal	#	77
16) Acetone	3.954	43	4361	7.227	ug/l #	75
18) Methyl Acetate	4.478	43	5632	1.668	ug/l	93
20) Methylene Chloride	4.710	84	7560	Below Cal	#	81
29) Tetrahydrofuran	7.350	42	4738	10.579	ug/l	93
31) Cyclohexane	7.783	56	4195	1.362	ug/l #	35
36) 1,1-Dichloropropene	7.789	75	14452	4.490	ug/l #	51
38) Carbon Tetrachloride	7.789	117	18944	5.261	ug/l #	16
41) Methacrylonitrile	7.350	41	2692	2.905	ug/l #	42
76) 1,2,3-Trichloropropane	12.483	75	69064	47.922	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	69064	104.966	ug/l #	7
95) Naphthalene	15.233	128	209	4.061	ug/l #	69

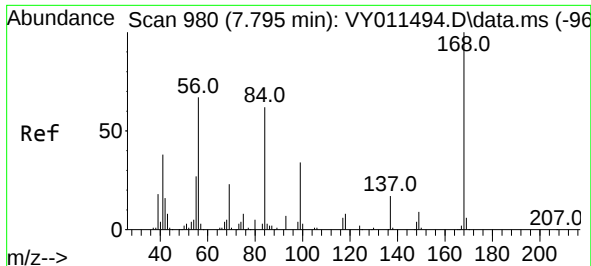
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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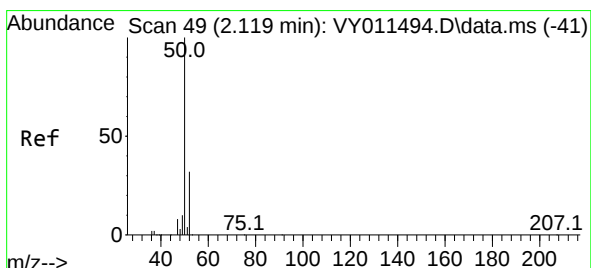
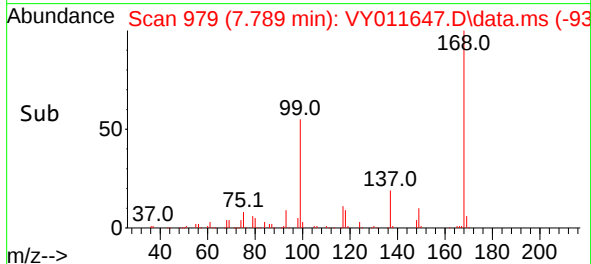
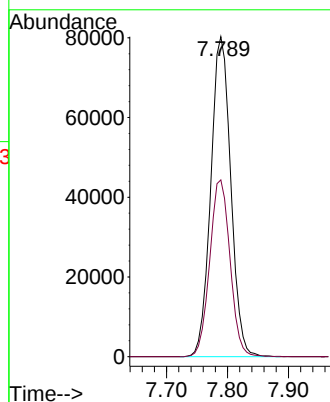
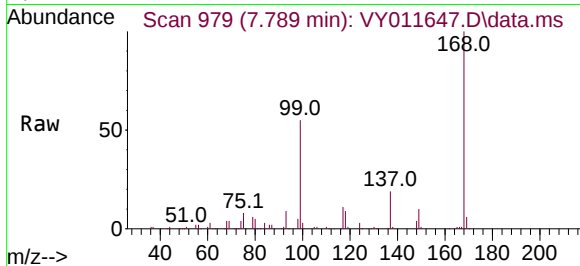




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011647.D
Acq: 30 Nov 2022 17:36

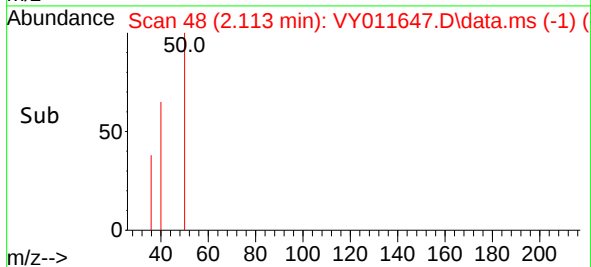
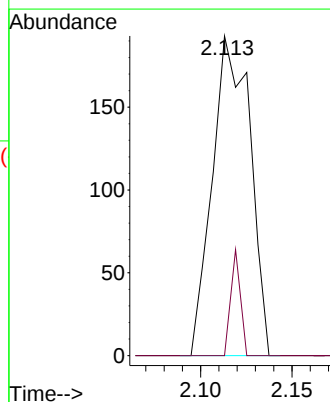
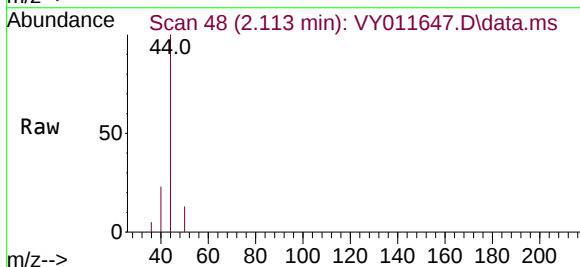
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-1-GRAB

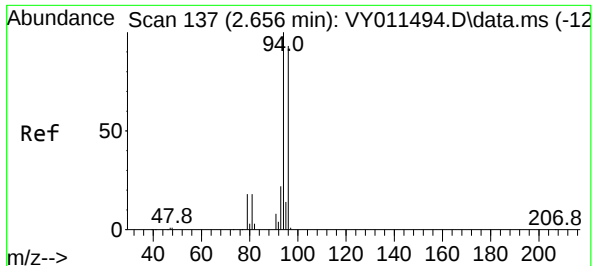
Tgt Ion:168 Resp: 182956
Ion Ratio Lower Upper
168 100
99 55.3 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY011647.D
Acq: 30 Nov 2022 17:36

Tgt Ion: 50 Resp: 277
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

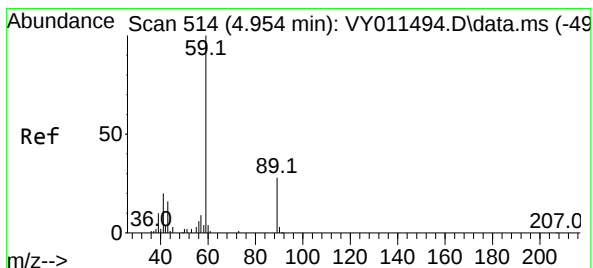
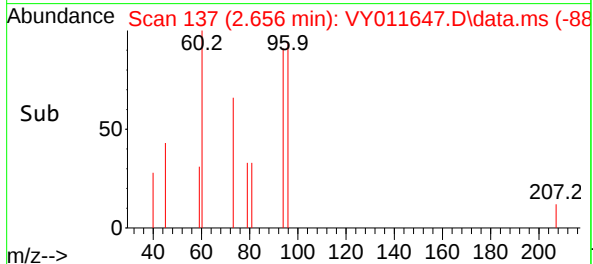
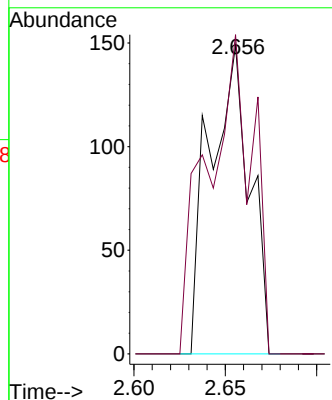
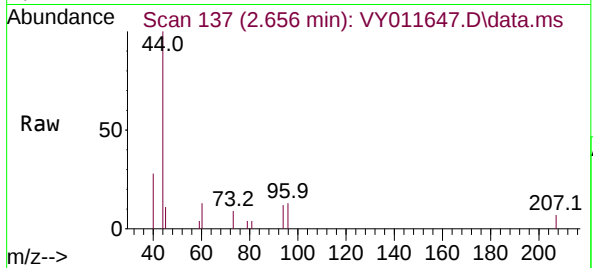




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011647.D
Acq: 30 Nov 2022 17:36

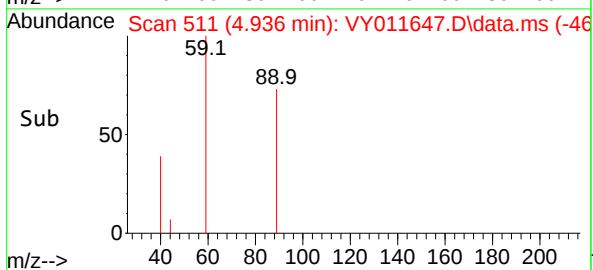
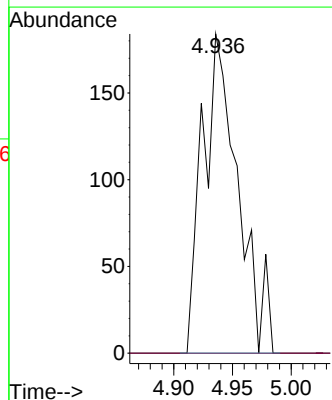
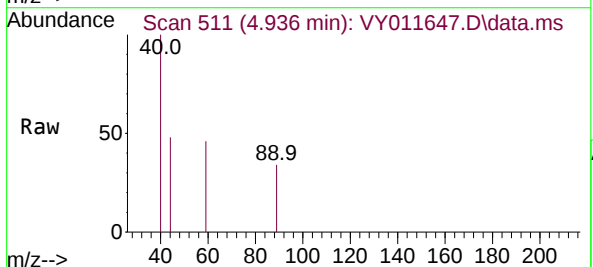
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-1-GRAB

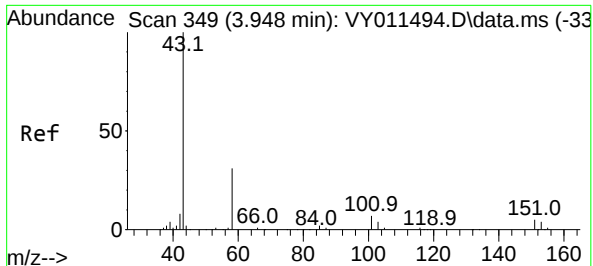
Tgt Ion: 94 Resp: 227
Ion Ratio Lower Upper
94 100
96 103.4 73.5 110.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY011647.D
Acq: 30 Nov 2022 17:36

Tgt Ion: 59 Resp: 387
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

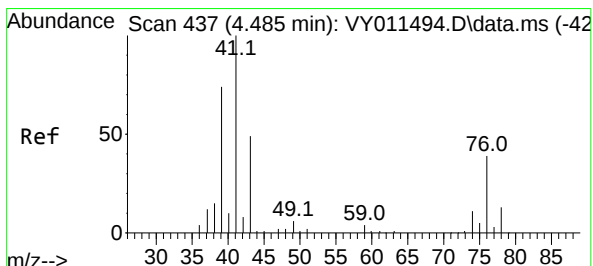
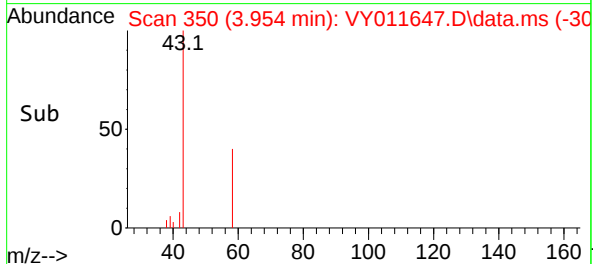
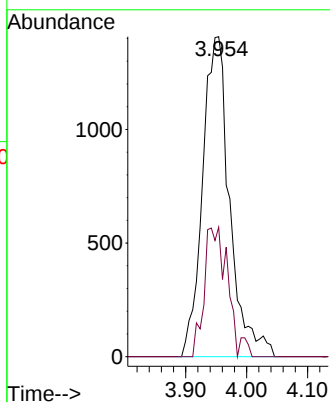
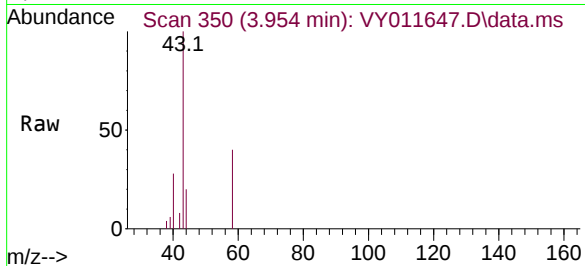




#16
Acetone
Concen: 7.227 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY011647.D
Acq: 30 Nov 2022 17:36

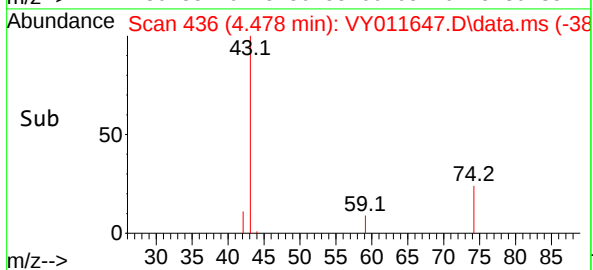
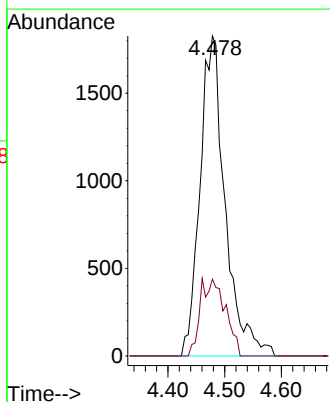
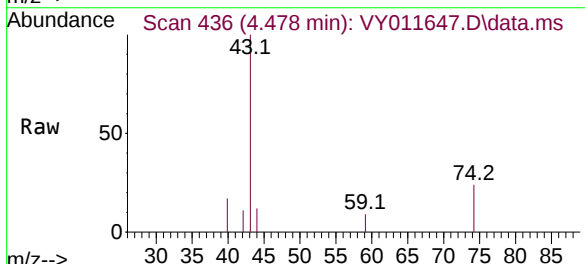
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-1-GRAB

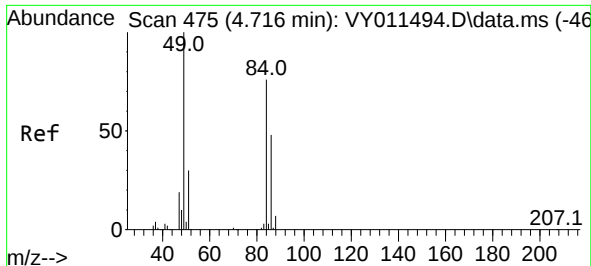
Tgt Ion: 43 Resp: 4361
Ion Ratio Lower Upper
43 100
58 40.5 22.0 33.0#



#18
Methyl Acetate
Concen: 1.668 ug/l
RT: 4.478 min Scan# 436
Delta R.T. -0.007 min
Lab File: VY011647.D
Acq: 30 Nov 2022 17:36

Tgt Ion: 43 Resp: 5632
Ion Ratio Lower Upper
43 100
74 23.8 16.6 24.8

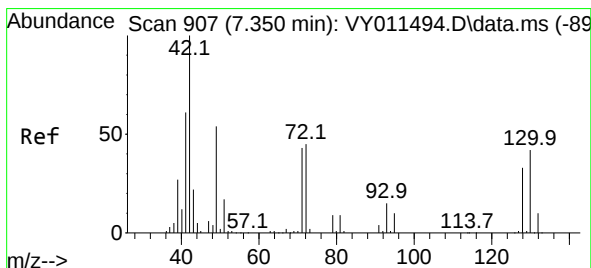
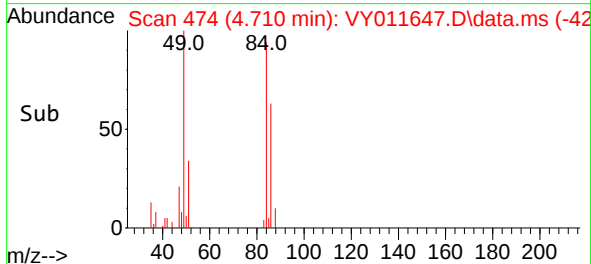
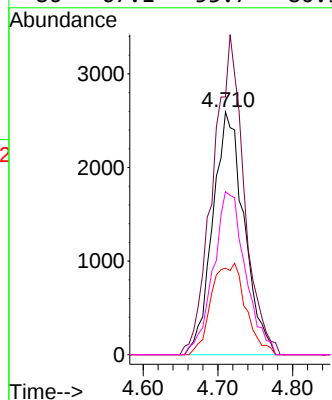
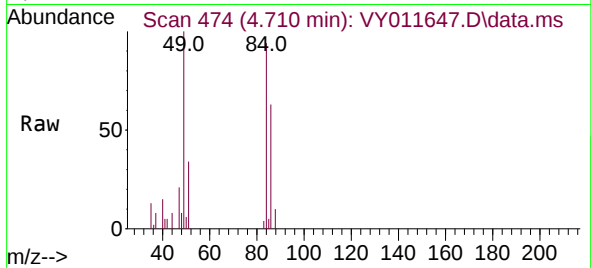




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011647.D
Acq: 30 Nov 2022 17:36

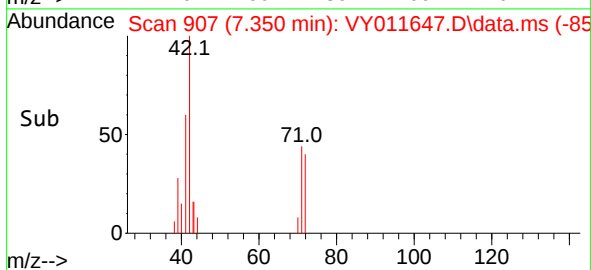
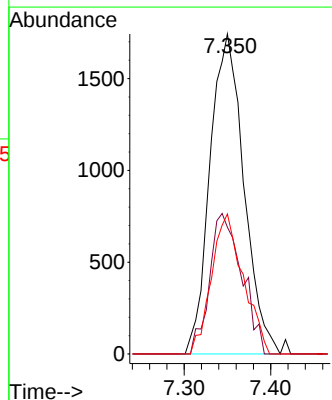
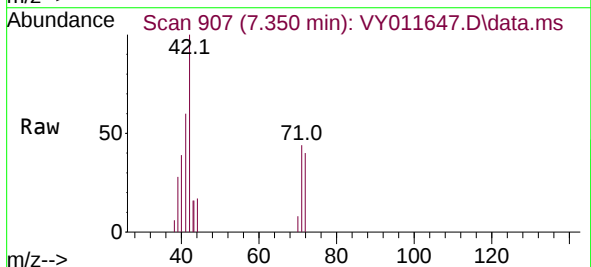
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-1-GRAB

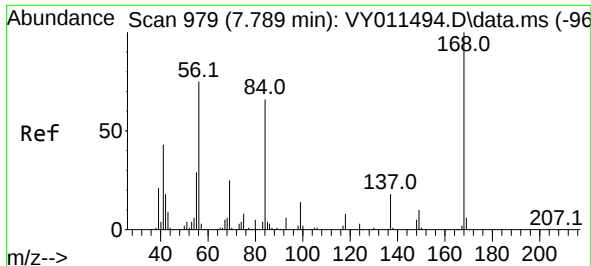
Tgt Ion: 84 Resp: 7560
Ion Ratio Lower Upper
84 100
49 106.1 114.4 171.6#
51 35.6 35.3 52.9
86 67.1 53.7 80.5



#29
Tetrahydrofuran
Concen: 10.579 ug/l
RT: 7.350 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY011647.D
Acq: 30 Nov 2022 17:36

Tgt Ion: 42 Resp: 4738
Ion Ratio Lower Upper
42 100
72 41.8 30.3 45.5
71 41.1 29.0 43.4

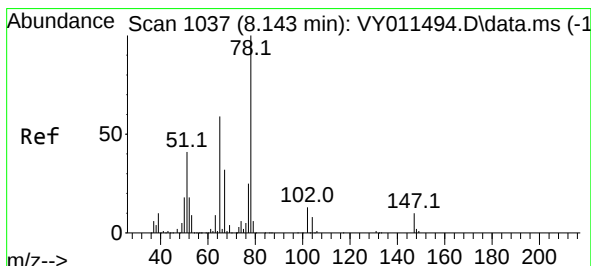
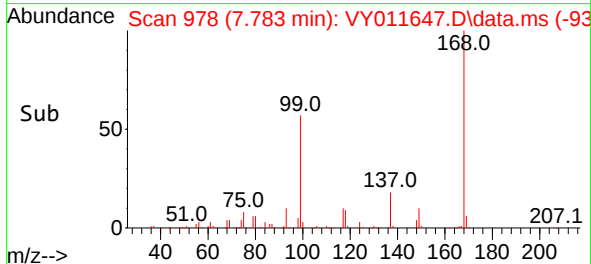
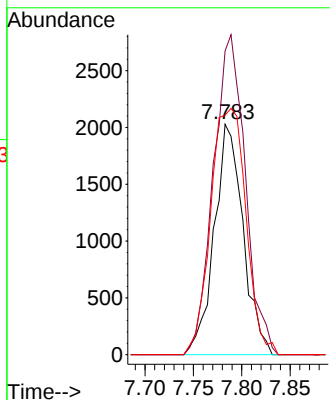
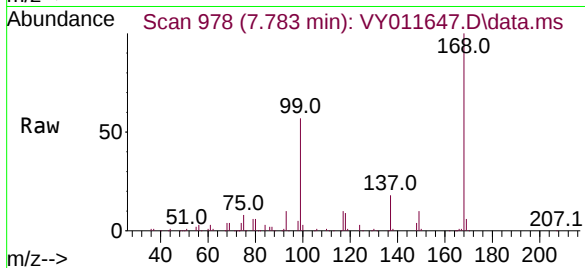




#31
Cyclohexane
Concen: 1.362 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011647.D
Acq: 30 Nov 2022 17:36

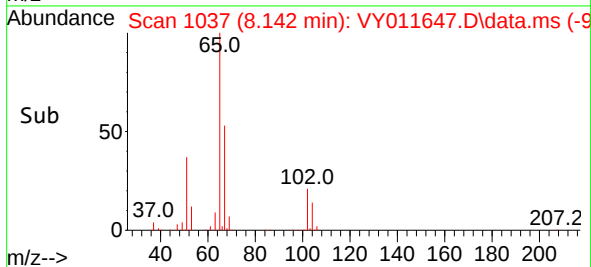
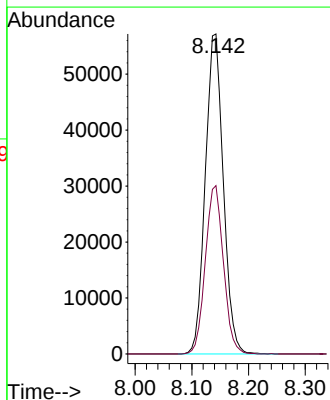
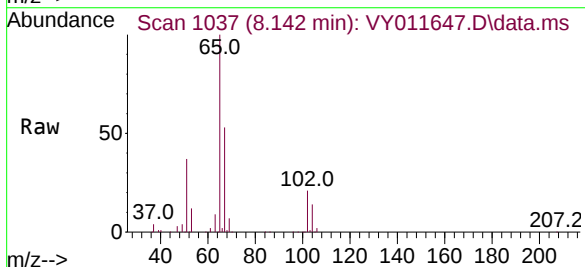
Instrument :
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ClientSampleId :
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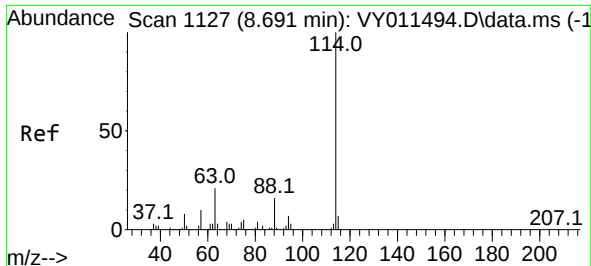
Tgt Ion: 56 Resp: 4195
Ion Ratio Lower Upper
56 100
69 131.9 26.7 40.1#
84 103.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 67.968 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011647.D
Acq: 30 Nov 2022 17:36

Tgt Ion: 65 Resp: 126267
Ion Ratio Lower Upper
65 100
67 52.8 0.0 99.4

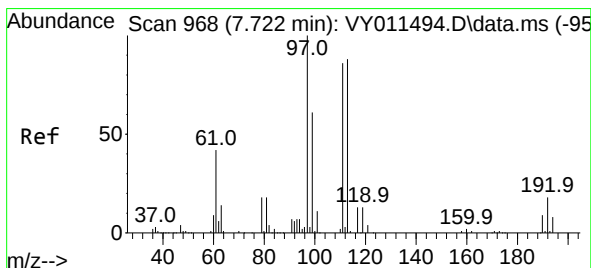
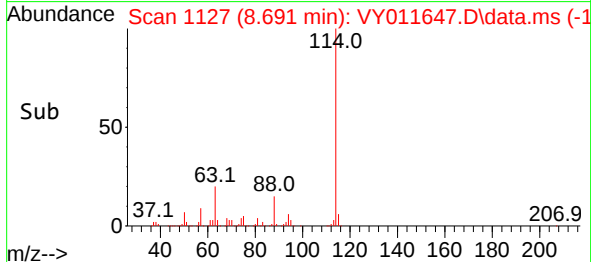
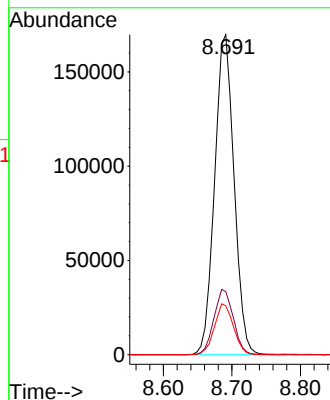
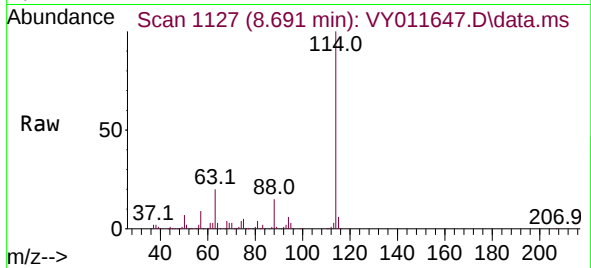




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY011647.D
Acq: 30 Nov 2022 17:36

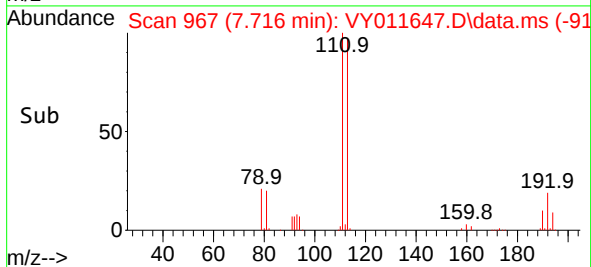
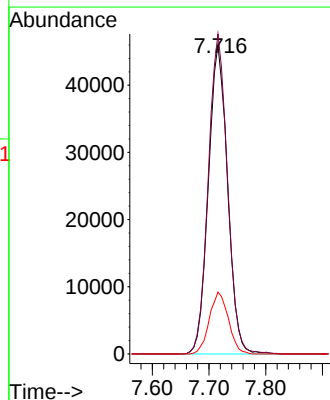
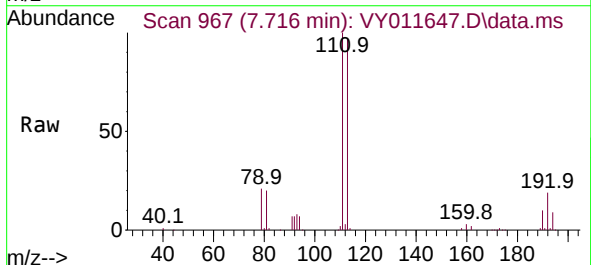
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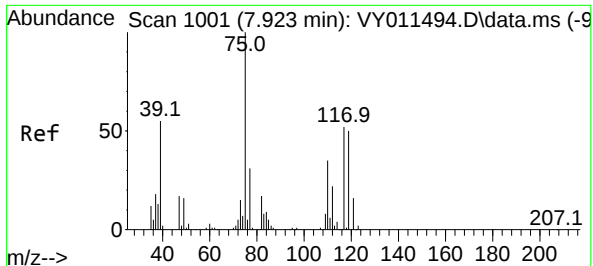
Tgt Ion:114 Resp: 334497
Ion Ratio Lower Upper
114 100
63 19.7 0.0 43.2
88 15.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.454 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY011647.D
Acq: 30 Nov 2022 17:36

Tgt Ion:113 Resp: 108011
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 19.9 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.490 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011647.D

Acq: 30 Nov 2022 17:36

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-1-GRAB

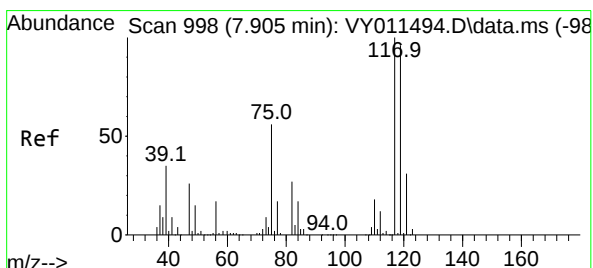
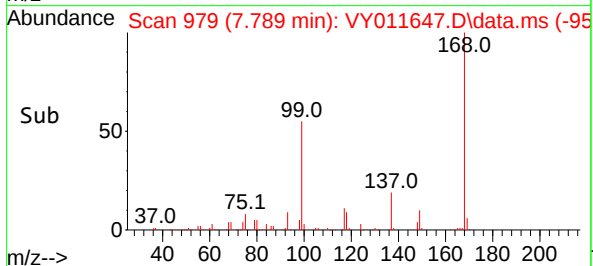
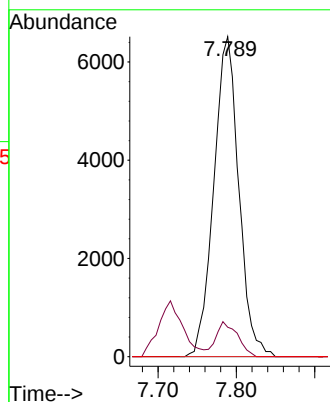
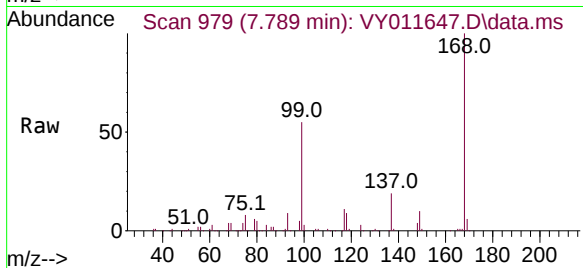
Tgt Ion: 75 Resp: 14452

Ion Ratio Lower Upper

75 100

110 9.5 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.261 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011647.D

Acq: 30 Nov 2022 17:36

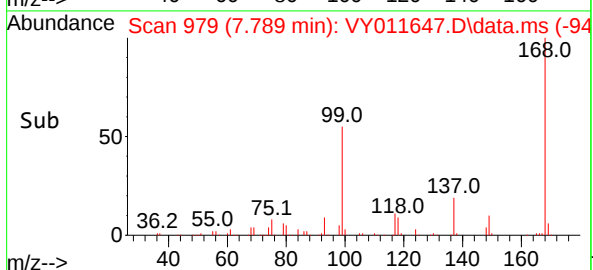
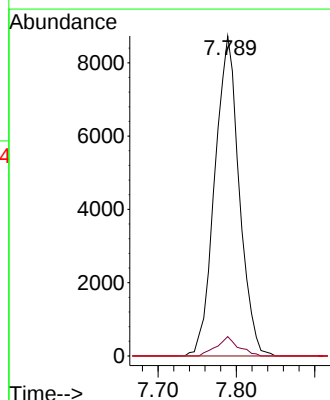
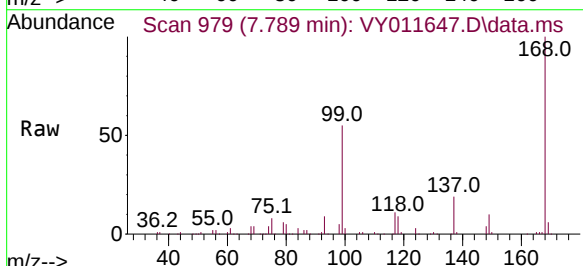
Tgt Ion: 117 Resp: 18944

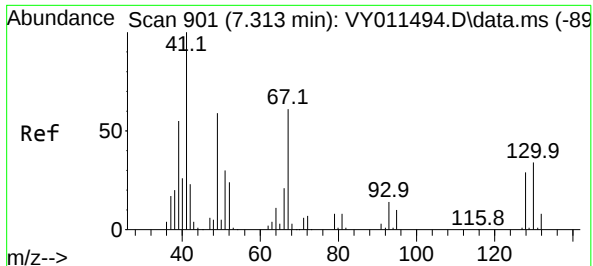
Ion Ratio Lower Upper

117 100

119 6.0 77.9 116.9#

121 0.0 24.8 37.2#

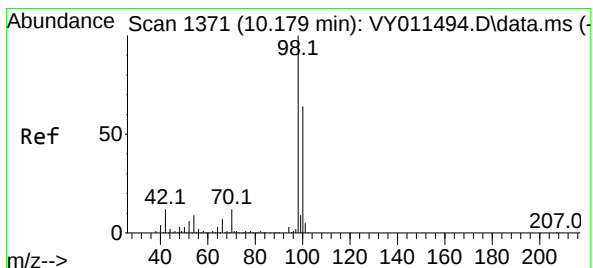
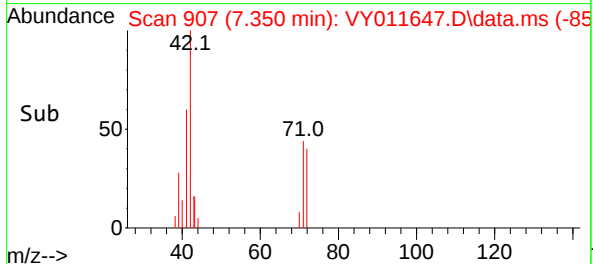
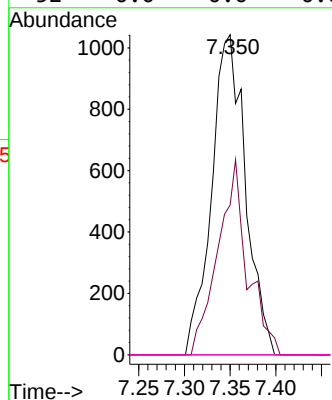
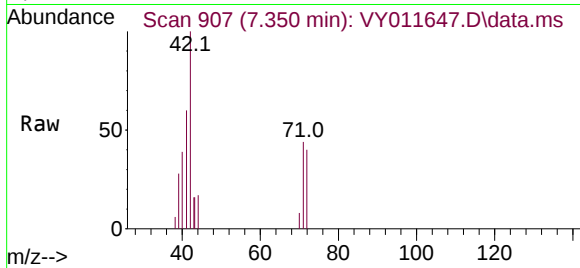




#41
Methacrylonitrile
Concen: 2.905 ug/l
RT: 7.350 min Scan# 901
Delta R.T. 0.037 min
Lab File: VY011647.D
Acq: 30 Nov 2022 17:36

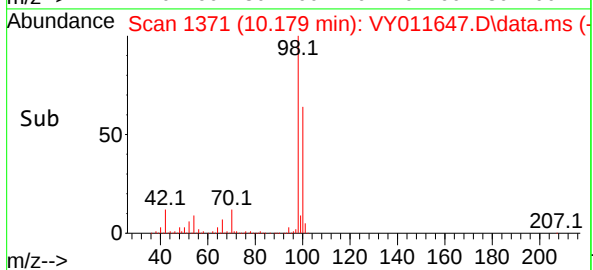
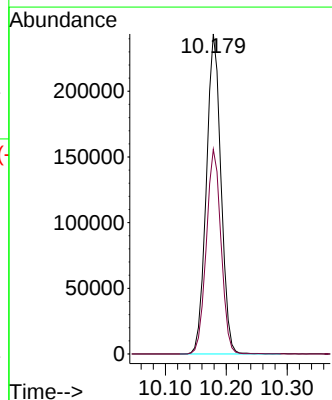
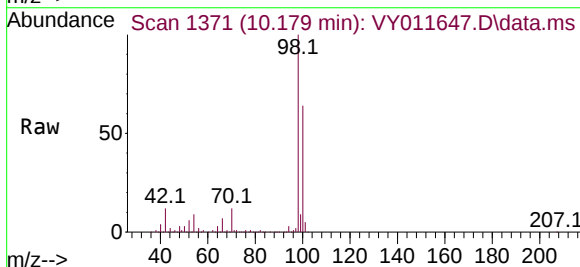
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-1-GRAB

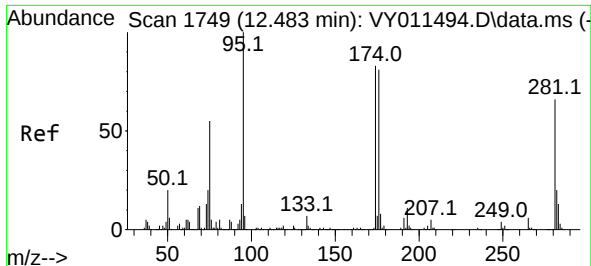
Tgt Ion: 41 Resp: 2692
Ion Ratio Lower Upper
41 100
39 53.0 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#50
Toluene-d8
Concen: 54.311 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011647.D
Acq: 30 Nov 2022 17:36

Tgt Ion: 98 Resp: 406397
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2

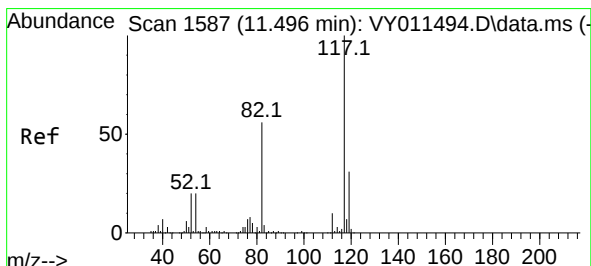
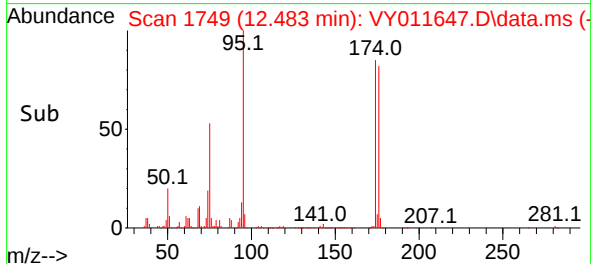
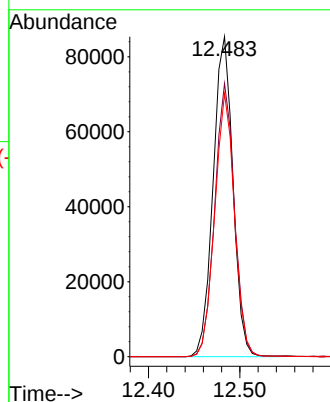
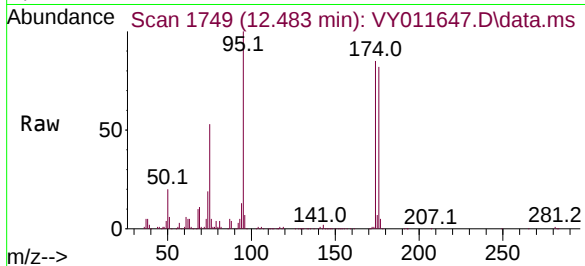




#62
4-Bromofluorobenzene
Concen: 46.450 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011647.D
Acq: 30 Nov 2022 17:36

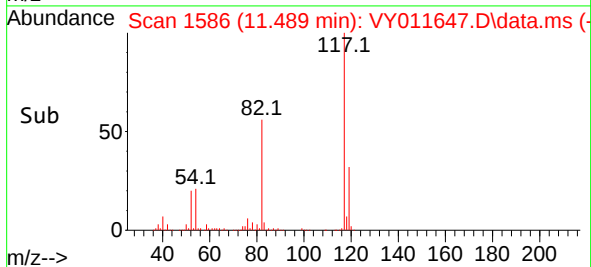
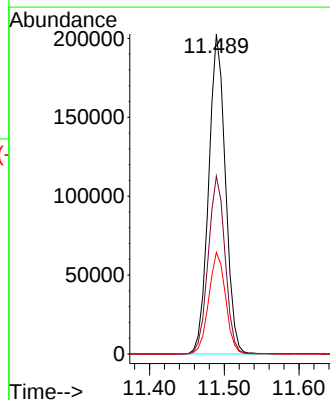
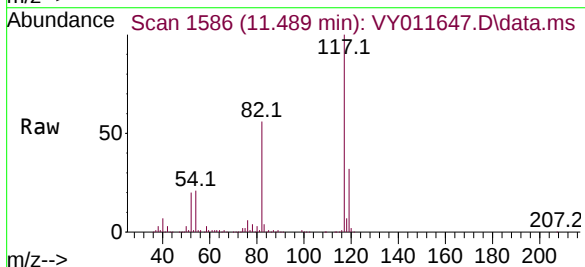
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-1-GRAB

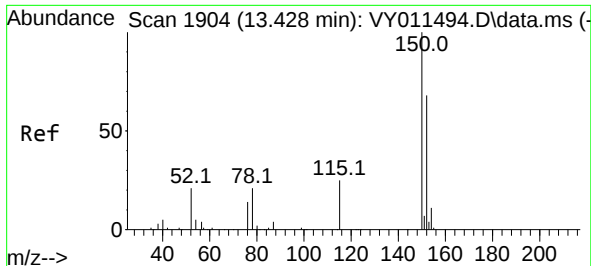
Tgt Ion: 95 Resp: 128507
Ion Ratio Lower Upper
95 100
174 85.2 0.0 177.0
176 82.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.007 min
Lab File: VY011647.D
Acq: 30 Nov 2022 17:36

Tgt Ion: 117 Resp: 315790
Ion Ratio Lower Upper
117 100
82 55.6 43.0 64.4
119 31.7 25.4 38.0

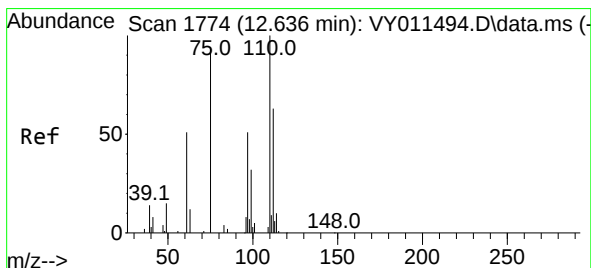
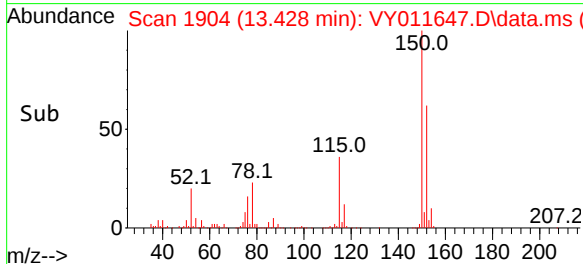
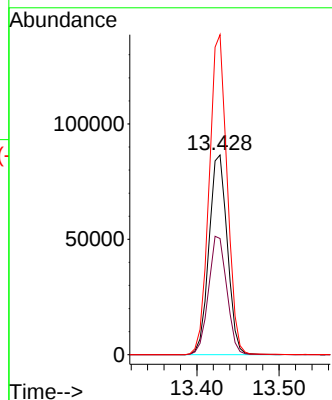
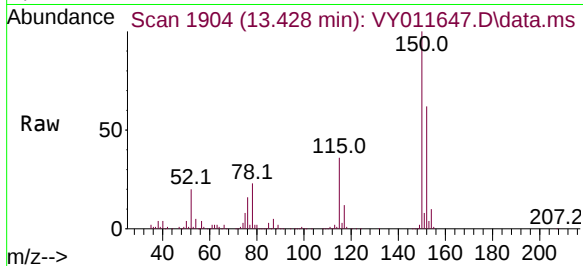




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY011647.D
 Acq: 30 Nov 2022 17:36

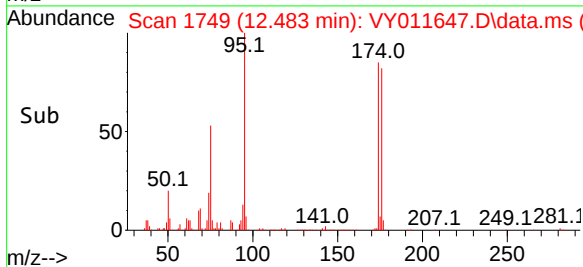
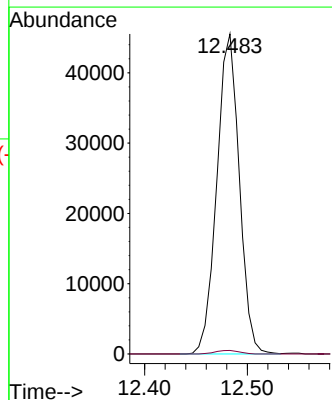
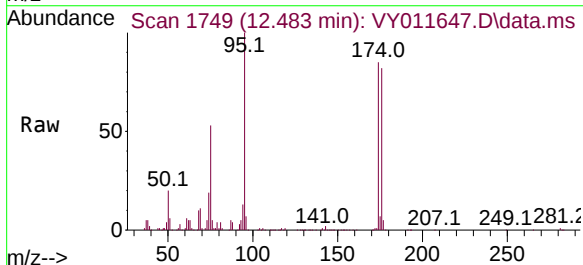
Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-1-GRAB

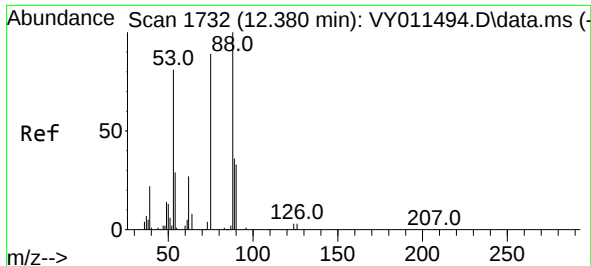
Tgt Ion:152 Resp: 133821
 Ion Ratio Lower Upper
 152 100
 115 59.2 28.2 84.7
 150 157.3 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 47.922 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY011647.D
 Acq: 30 Nov 2022 17:36

Tgt Ion: 75 Resp: 69064
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

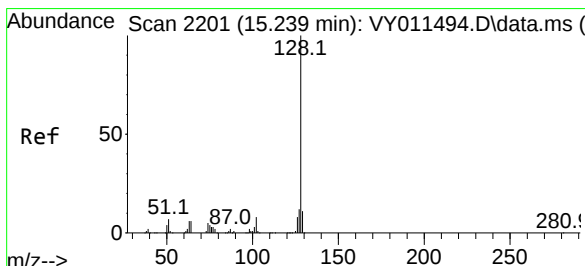
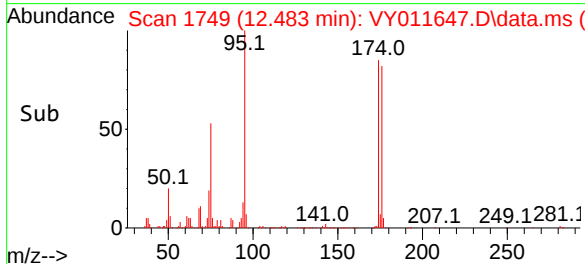
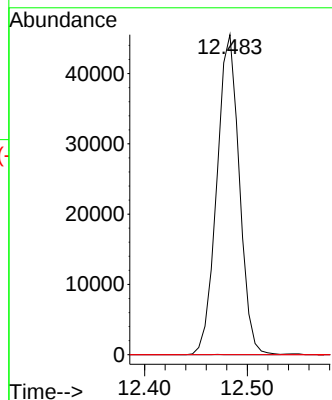
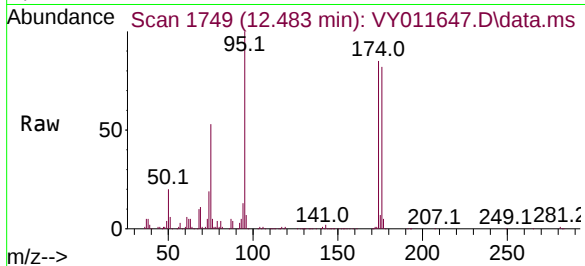




#81
trans-1,4-Dichloro-2-butene
Concen: 104.966 ug/l
RT: 12.483 min Scan# 1732
Delta R.T. 0.103 min
Lab File: VY011647.D
Acq: 30 Nov 2022 17:36

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-1-GRAB

Tgt Ion: 75 Resp: 69064
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.061 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY011647.D
Acq: 30 Nov 2022 17:36

Tgt Ion: 128 Resp: 209
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

