

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011163.D
 Acq On : 28 Oct 2022 17:41
 Operator : KP/MD
 Sample : N5316-13
 Misc : 8.85g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-GRAB-1-PILE-2

Quant Time: Oct 28 23:46:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

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

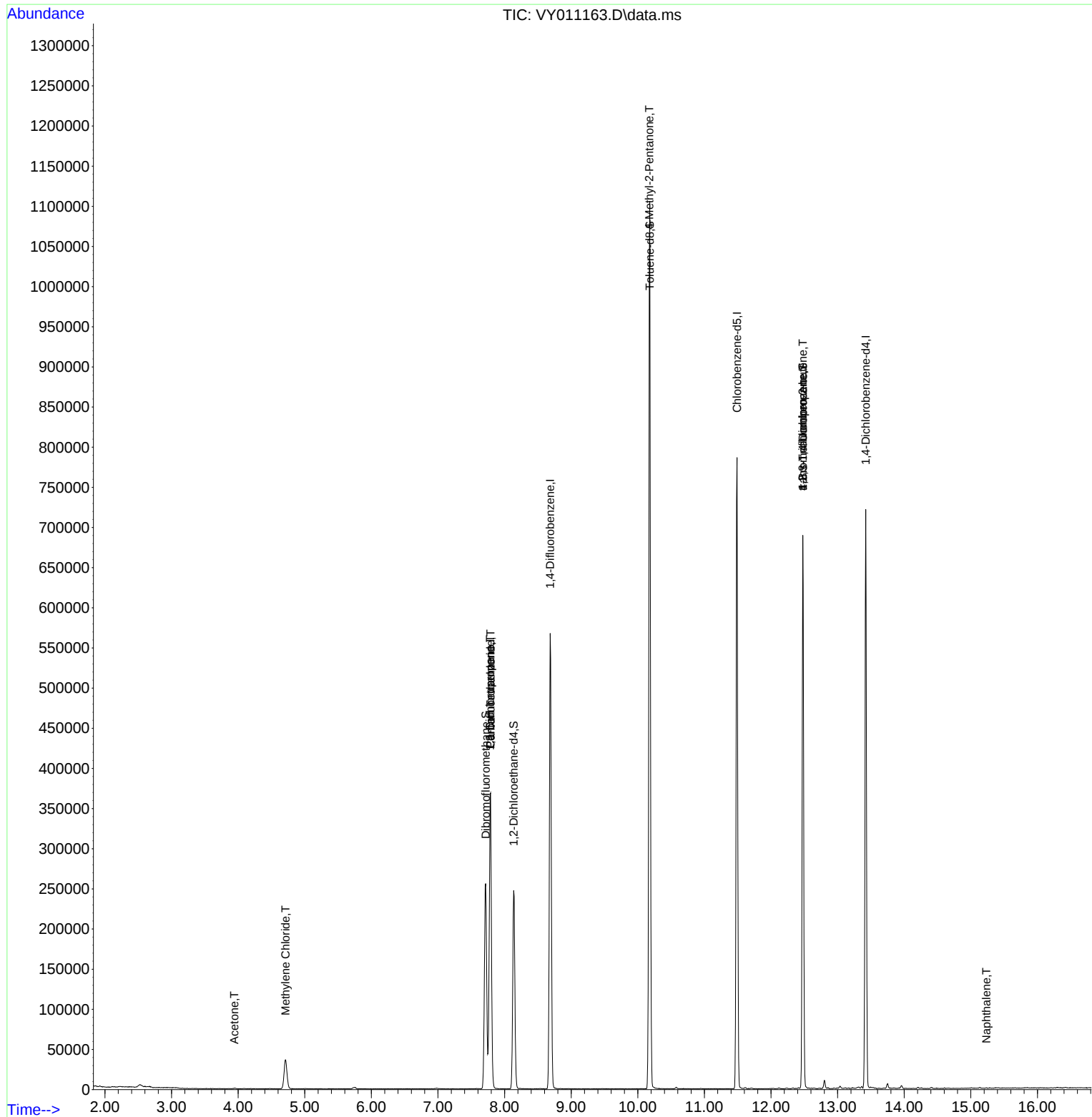
Internal Standards						
1) Pentafluorobenzene	7.789	168	286308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	498875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	435317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	184533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	189368	63.965	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.940%	
35) Dibromofluoromethane	7.716	113	187151	61.003	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.000%	
50) Toluene-d8	10.179	98	717161	59.006	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 118.020%	
62) 4-Bromofluorobenzene	12.477	95	213562	53.701	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	338	Below Cal		91
4) Vinyl Chloride	2.314	62	21	Below Cal	#	43
5) Bromomethane	2.656	94	447	Below Cal	#	79
16) Acetone	3.942	43	1000	1.381	ug/l #	51
17) Carbon Disulfide	4.186	76	177	Below Cal	#	75
18) Methyl Acetate	4.472	43	226	Below Cal	#	56
20) Methylene Chloride	4.710	84	27838	2.956	ug/l #	83
31) Cyclohexane	7.783	56	5336	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	21887	5.472	ug/l #	51
38) Carbon Tetrachloride	7.789	117	28745	6.598	ug/l #	15
51) 4-Methyl-2-Pentanone	10.173	43	2699	1.186	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	107184	55.867	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	107184	118.644	ug/l #	7
95) Naphthalene	15.233	128	478	4.420	ug/l #	69

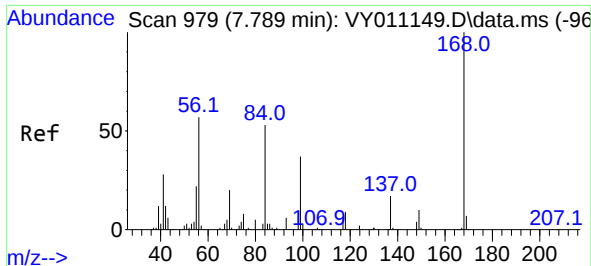
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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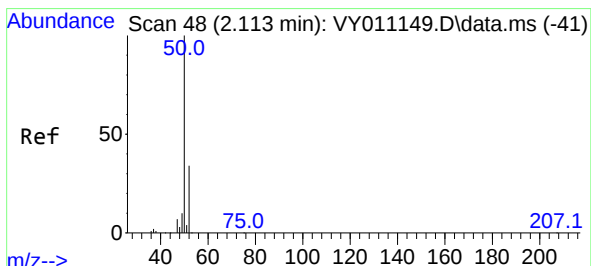
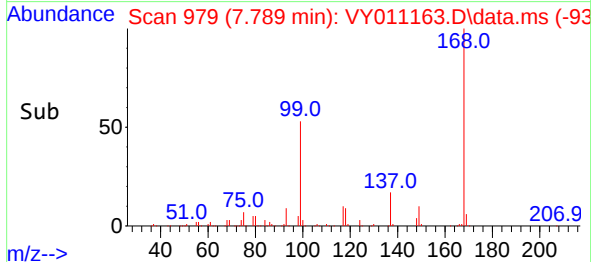
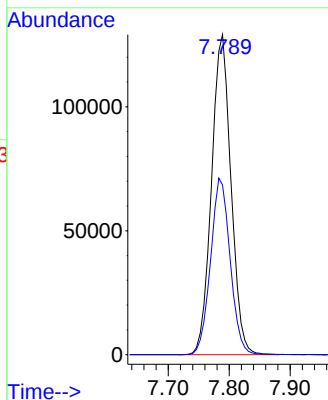
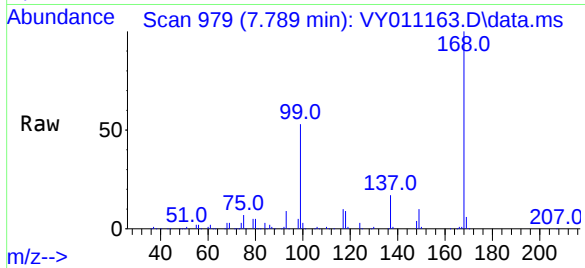




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011163.D
Acq: 28 Oct 2022 17:41

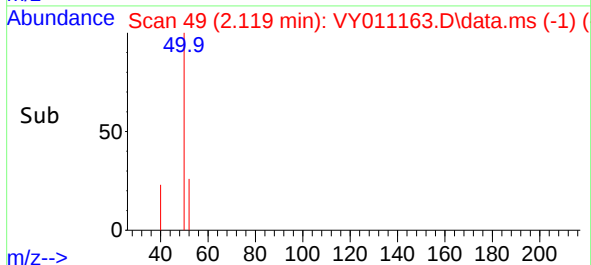
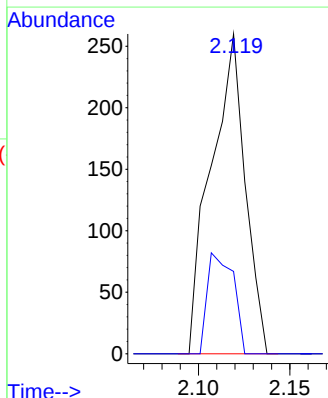
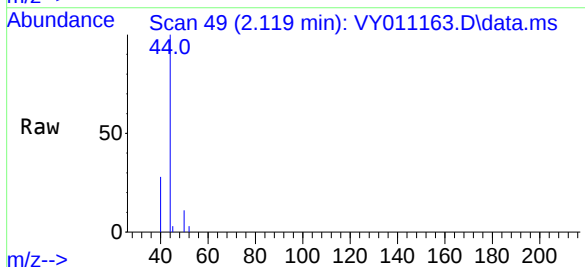
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-1-PILE-2

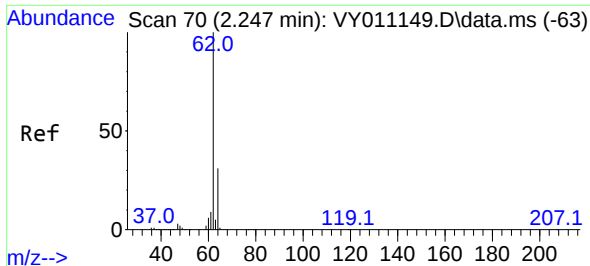
Tgt Ion:168 Resp: 286308
Ion Ratio Lower Upper
168 100
99 53.0 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011163.D
Acq: 28 Oct 2022 17:41

Tgt Ion: 50 Resp: 338
Ion Ratio Lower Upper
50 100
52 25.8 24.6 37.0

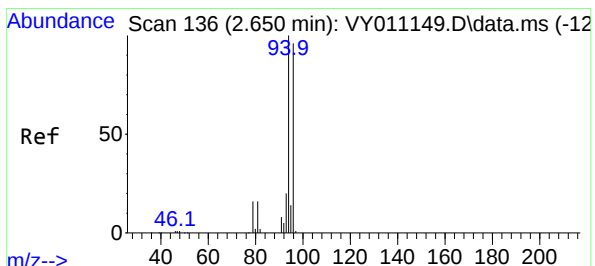
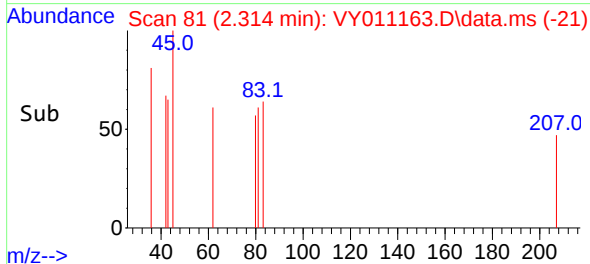
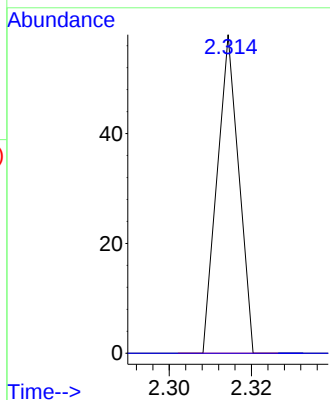
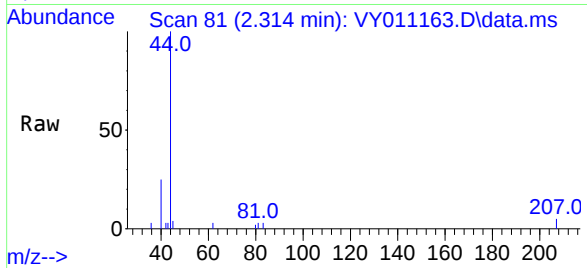




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.314 min Scan# 81
 Delta R.T. 0.067 min
 Lab File: VY011163.D
 Acq: 28 Oct 2022 17:41

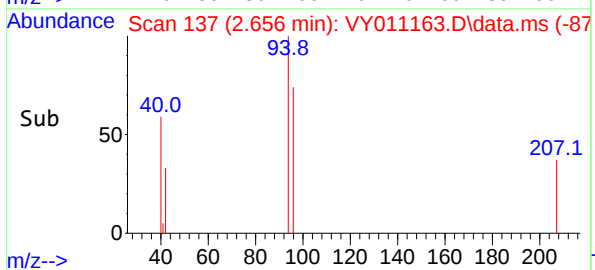
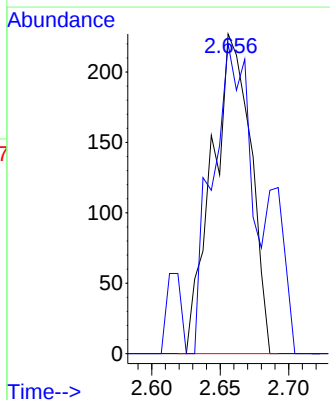
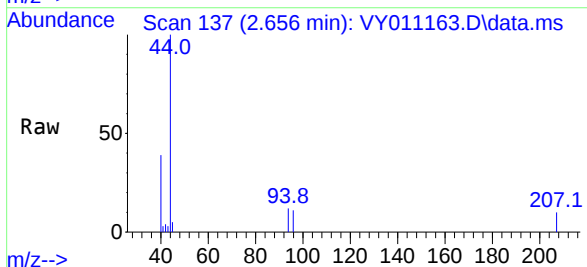
Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-GRAB-1-PILE-2

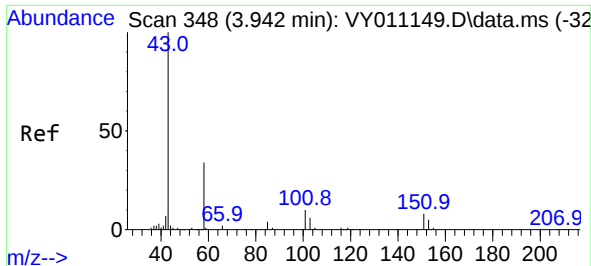
Tgt Ion: 62 Resp: 21
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.656 min Scan# 137
 Delta R.T. 0.006 min
 Lab File: VY011163.D
 Acq: 28 Oct 2022 17:41

Tgt Ion: 94 Resp: 447
 Ion Ratio Lower Upper
 94 100
 96 71.8 73.5 110.3#

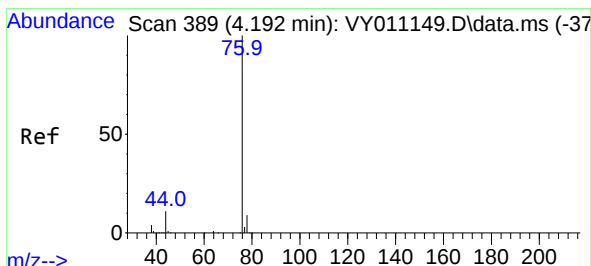
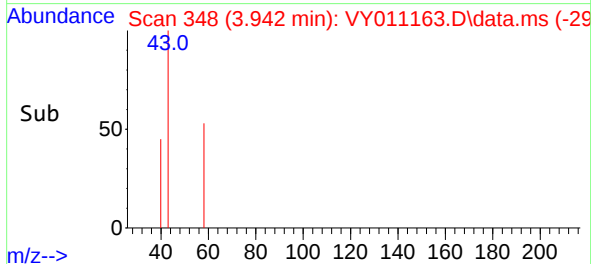
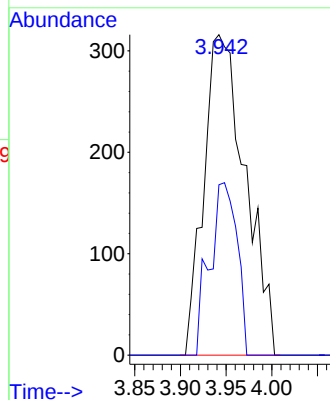
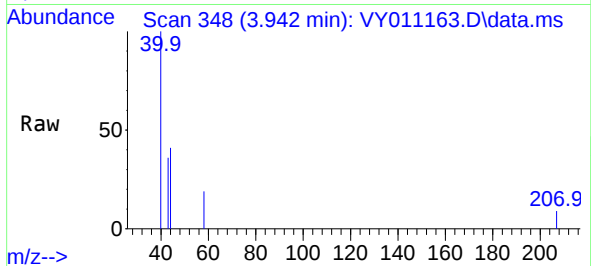




#16
Acetone
Concen: 1.381 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY011163.D
Acq: 28 Oct 2022 17:41

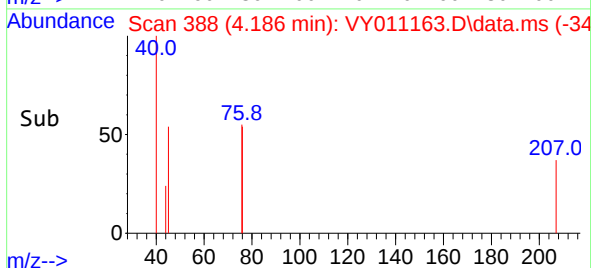
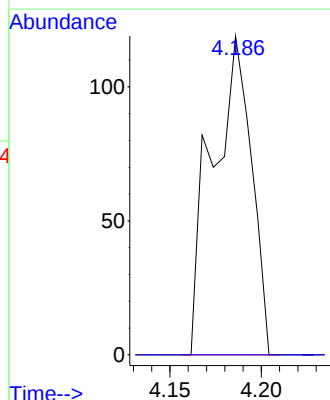
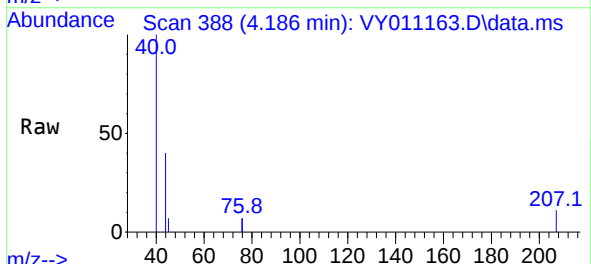
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-1-PILE-2

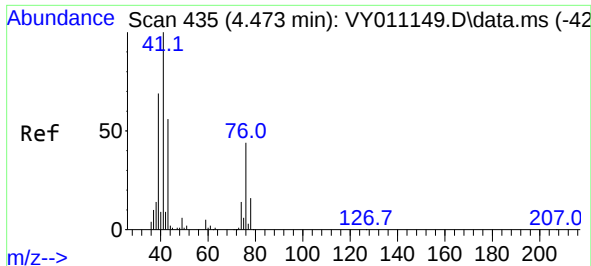
Tgt Ion: 43 Resp: 1000
Ion Ratio Lower Upper
43 100
58 53.2 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 388
Delta R.T. -0.006 min
Lab File: VY011163.D
Acq: 28 Oct 2022 17:41

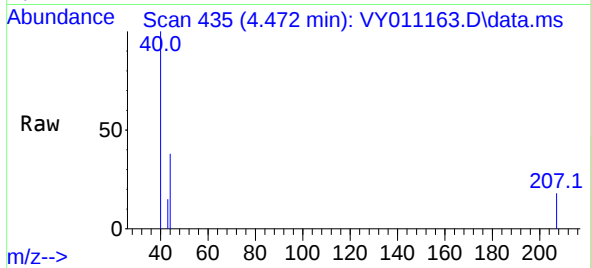
Tgt Ion: 76 Resp: 177
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



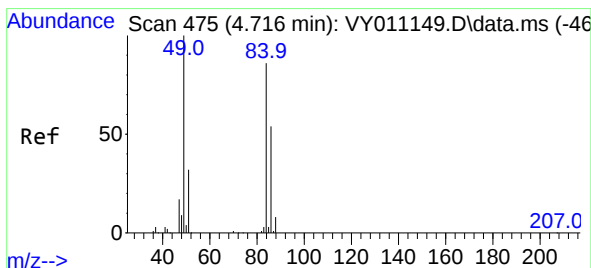
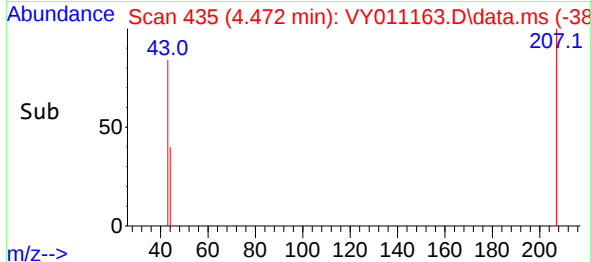
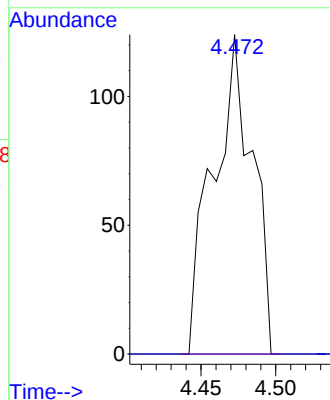


#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 41
Delta R.T. -0.001 min
Lab File: VY011163.D
Acq: 28 Oct 2022 17:41

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-1-PILE-2

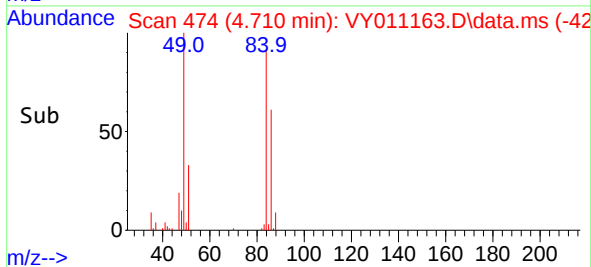
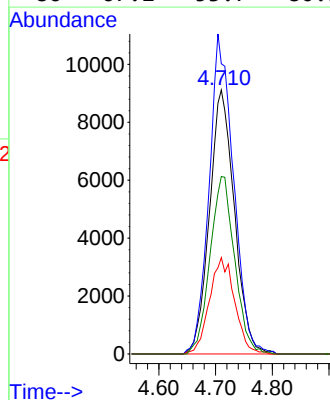
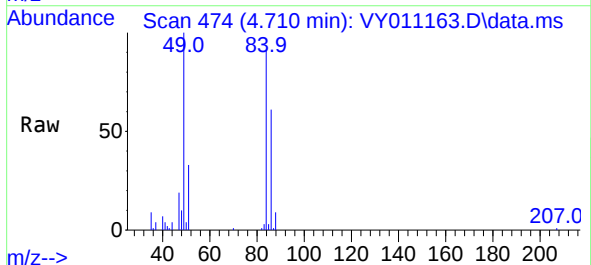


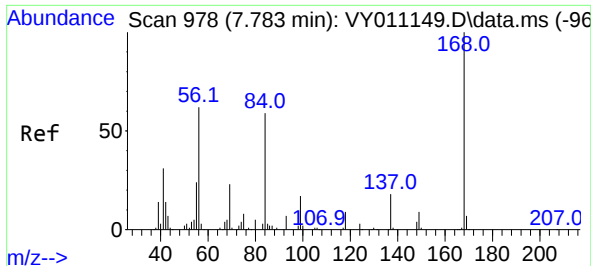
Tgt Ion: 43 Resp: 226
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 2.956 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY011163.D
Acq: 28 Oct 2022 17:41

Tgt Ion: 84 Resp: 27838
Ion Ratio Lower Upper
84 100
49 109.9 114.4 171.6#
51 36.5 35.3 52.9
86 67.2 53.7 80.5

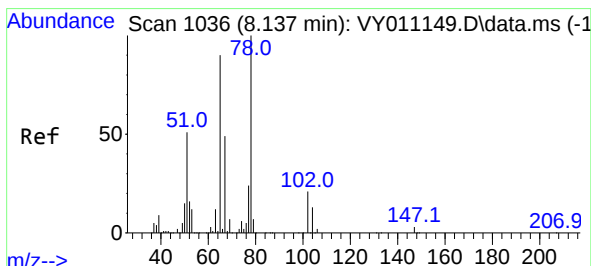
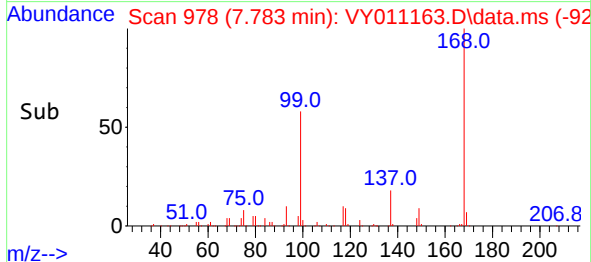
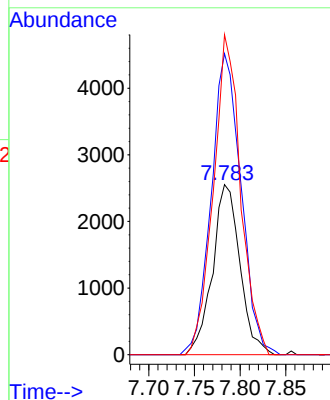
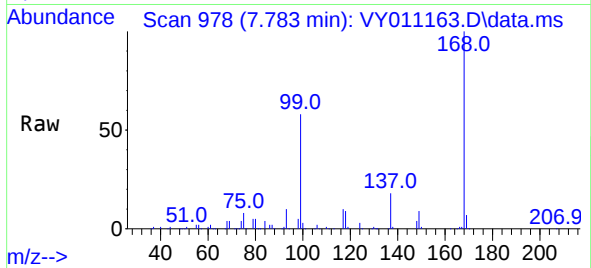




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011163.D
Acq: 28 Oct 2022 17:41

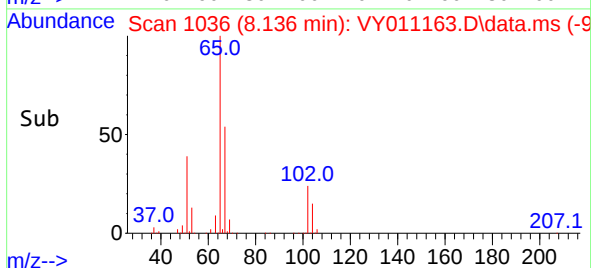
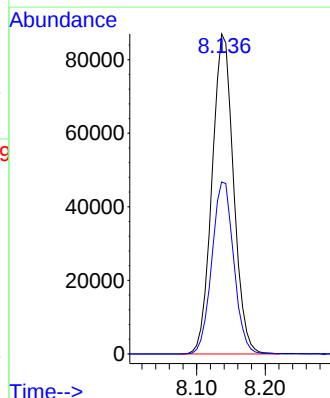
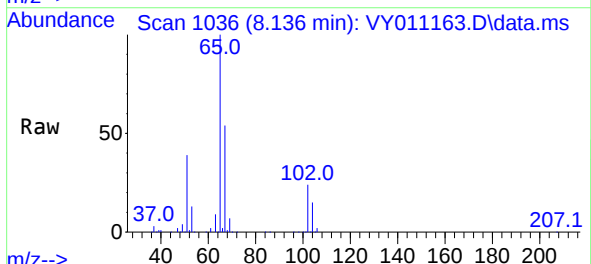
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-1-PILE-2

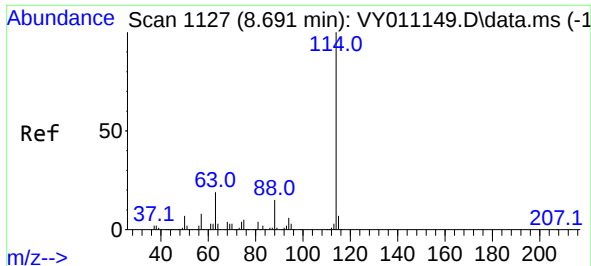
Tgt Ion: 56 Resp: 5336
Ion Ratio Lower Upper
56 100
69 177.0 26.7 40.1#
84 188.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 63.965 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY011163.D
Acq: 28 Oct 2022 17:41

Tgt Ion: 65 Resp: 189368
Ion Ratio Lower Upper
65 100
67 54.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY011163.D

Acq: 28 Oct 2022 17:41

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-GRAB-1-PILE-2

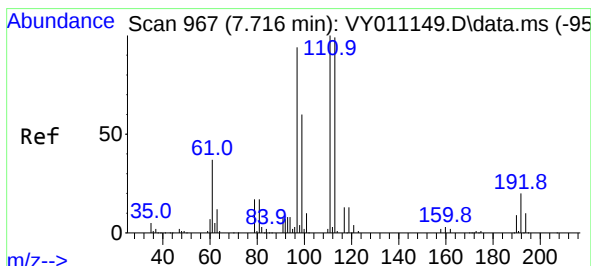
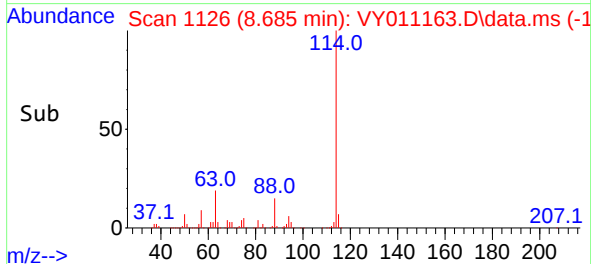
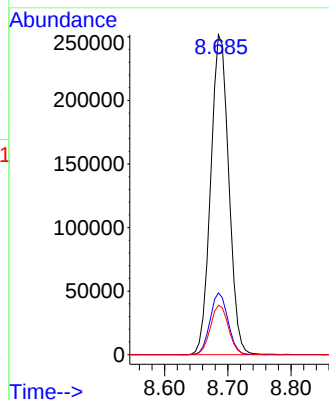
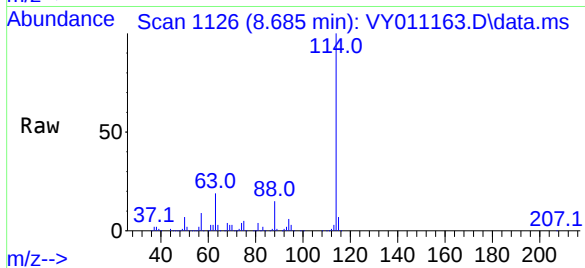
Tgt Ion:114 Resp: 498875

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 61.003 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011163.D

Acq: 28 Oct 2022 17:41

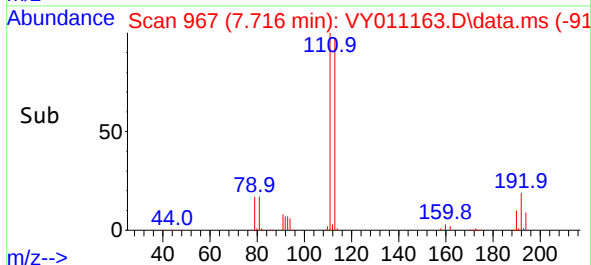
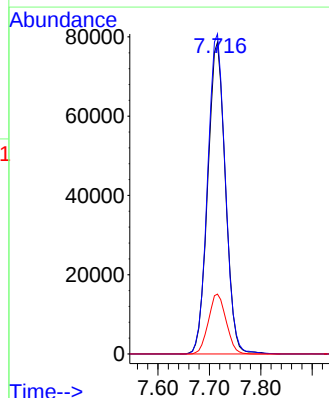
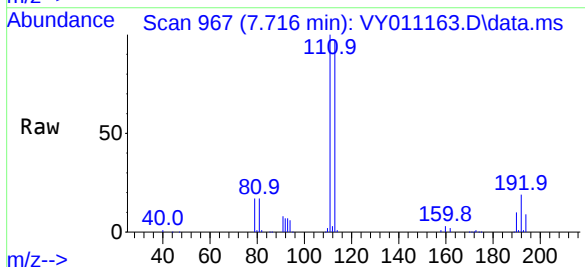
Tgt Ion:113 Resp: 187151

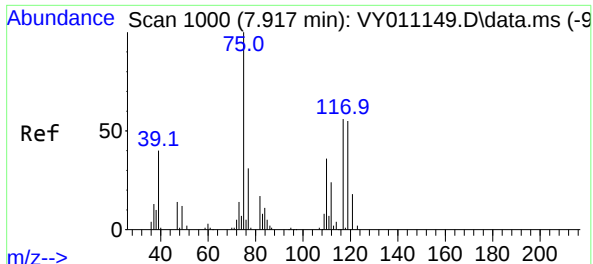
Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 19.3 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.472 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011163.D

Acq: 28 Oct 2022 17:41

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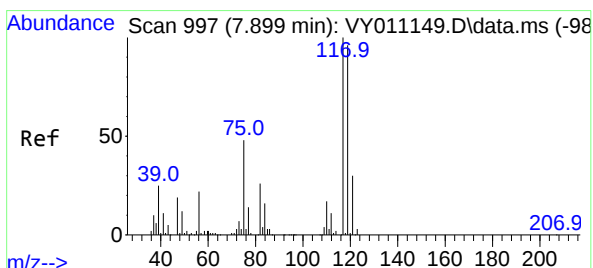
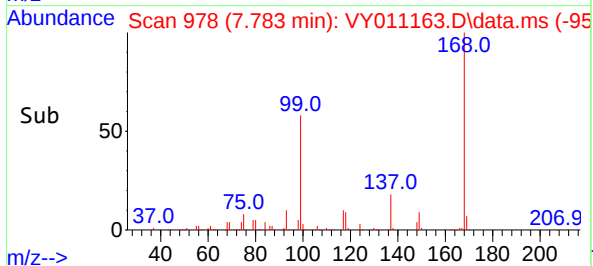
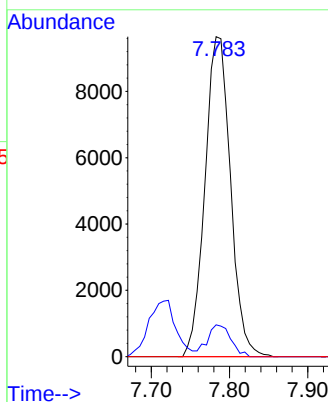
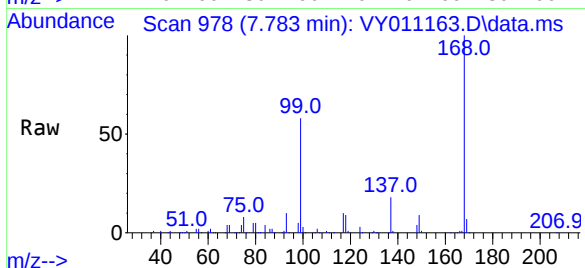
Tgt Ion: 75 Resp: 21887

Ion Ratio Lower Upper

75 100

110 9.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.598 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY011163.D

Acq: 28 Oct 2022 17:41

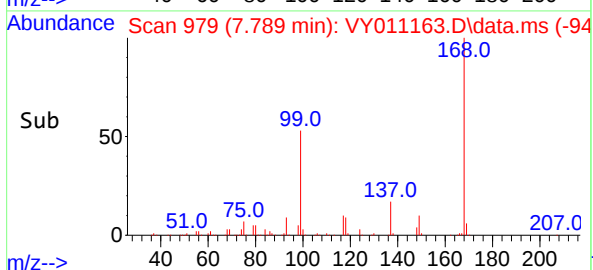
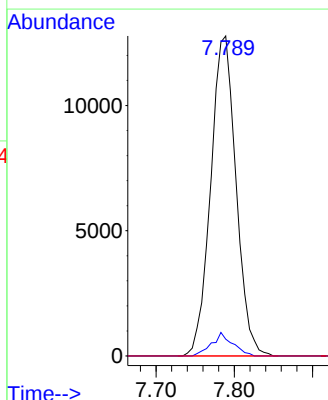
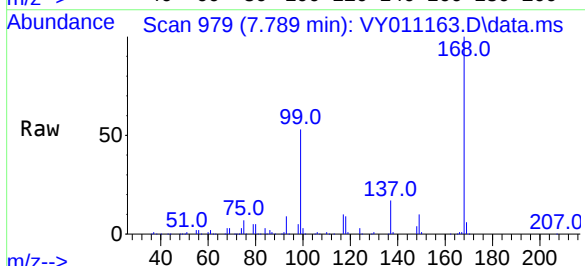
Tgt Ion: 117 Resp: 28745

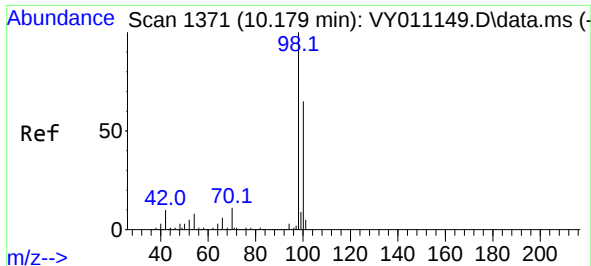
Ion Ratio Lower Upper

117 100

119 5.2 77.9 116.9#

121 0.0 24.8 37.2#

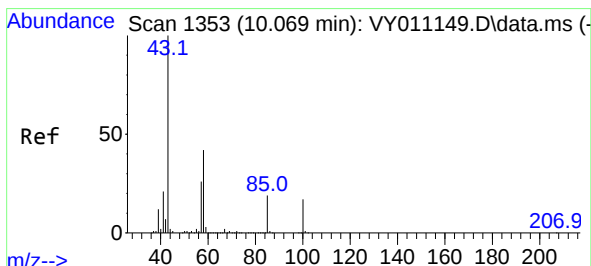
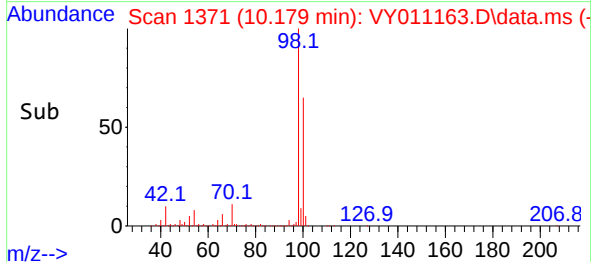
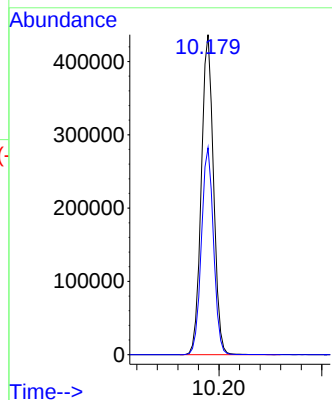
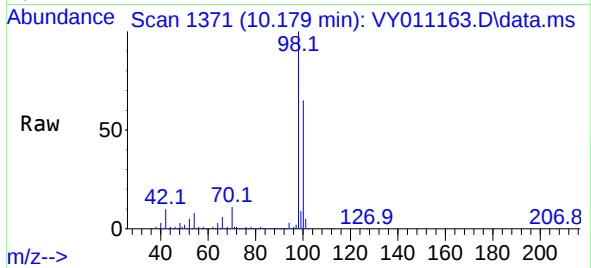




#50
Toluene-d8
Concen: 59.006 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011163.D
Acq: 28 Oct 2022 17:41

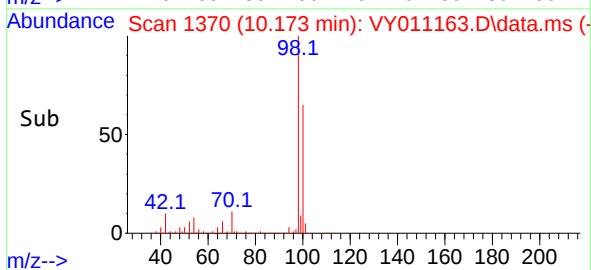
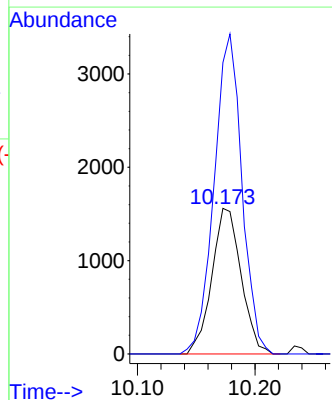
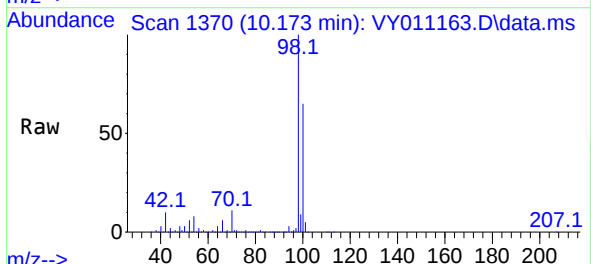
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-1-PILE-2

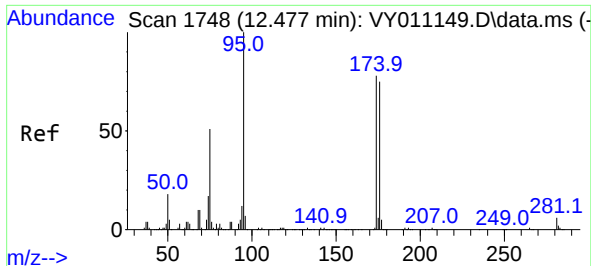
Tgt Ion: 98 Resp: 717161
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.186 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.104 min
Lab File: VY011163.D
Acq: 28 Oct 2022 17:41

Tgt Ion: 43 Resp: 2699
Ion Ratio Lower Upper
43 100
58 208.9 28.1 42.1#

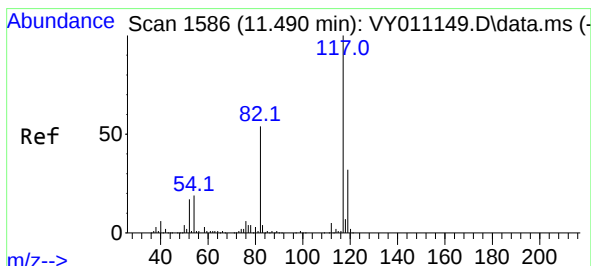
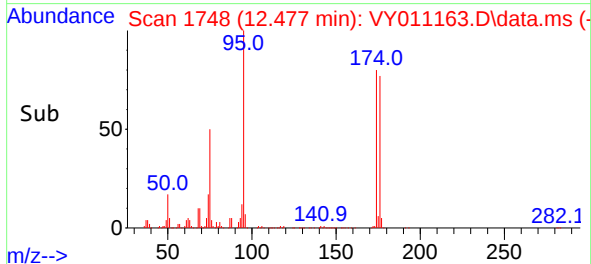
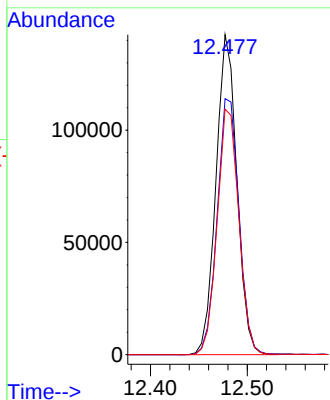
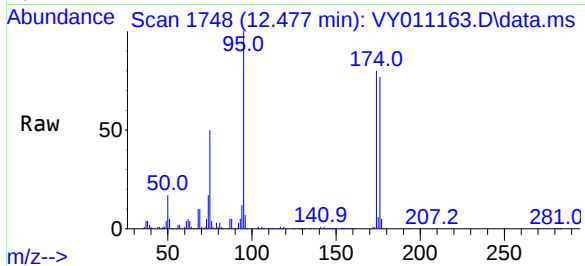




#62
4-Bromofluorobenzene
Concen: 53.701 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011163.D
Acq: 28 Oct 2022 17:41

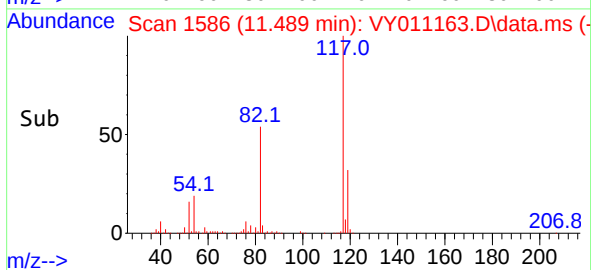
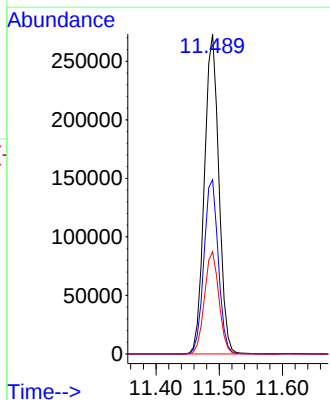
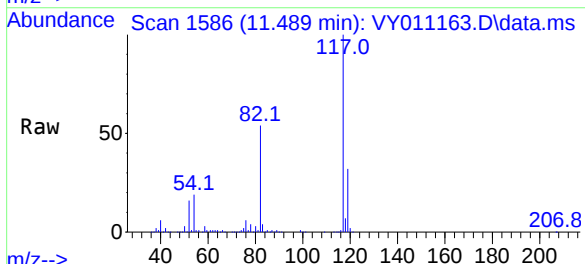
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-1-PILE-2

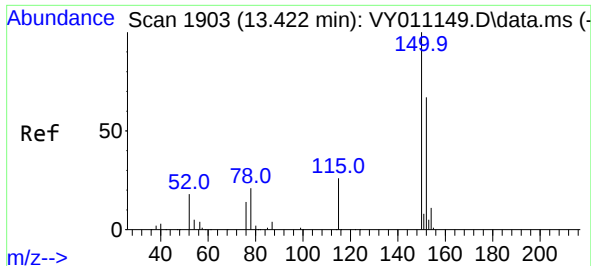
Tgt Ion: 95 Resp: 213562
Ion Ratio Lower Upper
95 100
174 83.8 0.0 177.0
176 79.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011163.D
Acq: 28 Oct 2022 17:41

Tgt Ion: 117 Resp: 435317
Ion Ratio Lower Upper
117 100
82 54.5 43.0 64.4
119 31.9 25.4 38.0

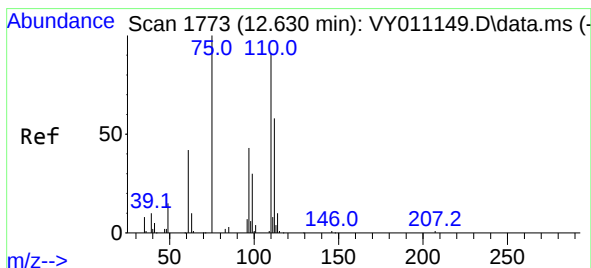
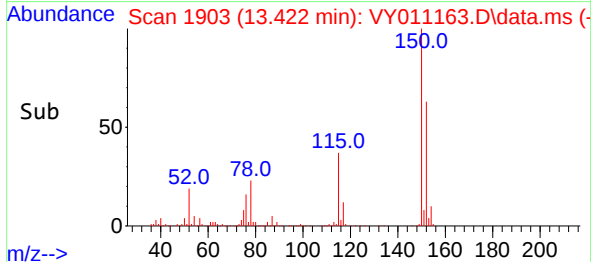
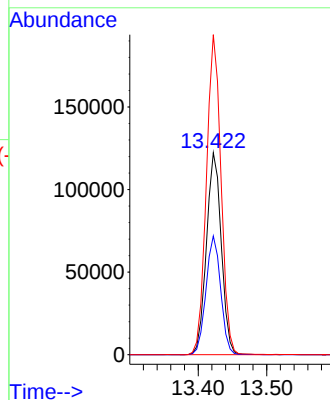
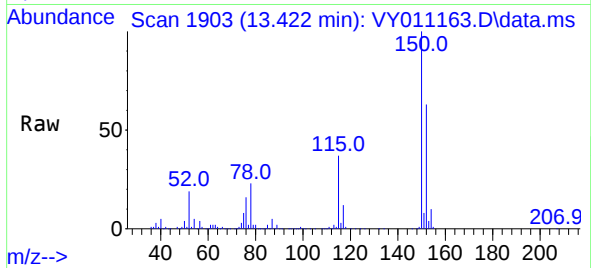




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011163.D
Acq: 28 Oct 2022 17:41

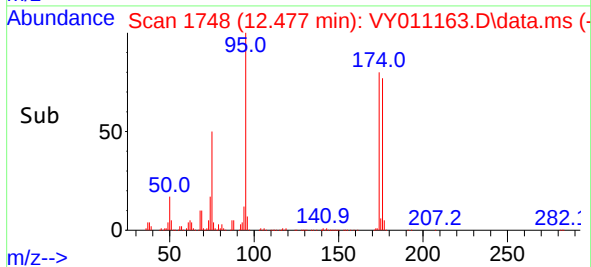
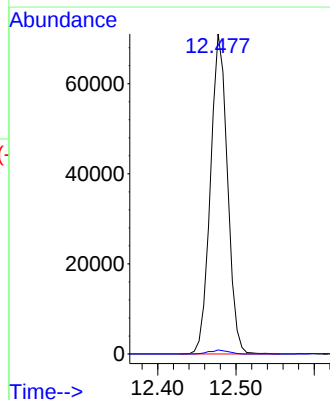
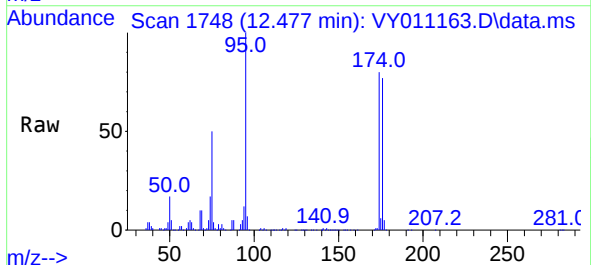
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-1-PILE-2

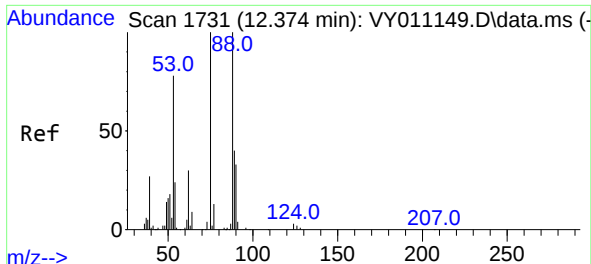
Tgt Ion:152 Resp: 184533
Ion Ratio Lower Upper
152 100
115 58.2 28.2 84.7
150 156.2 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 55.867 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011163.D
Acq: 28 Oct 2022 17:41

Tgt Ion: 75 Resp: 107184
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

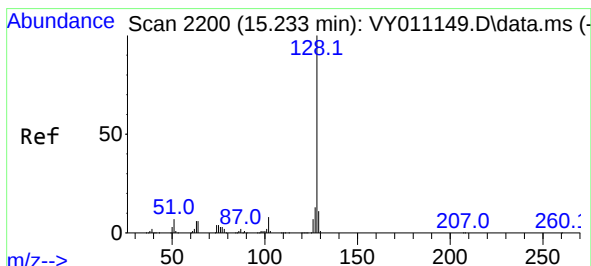
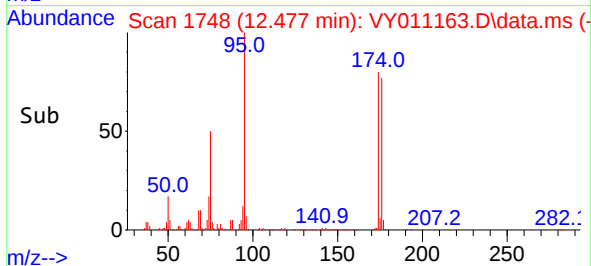
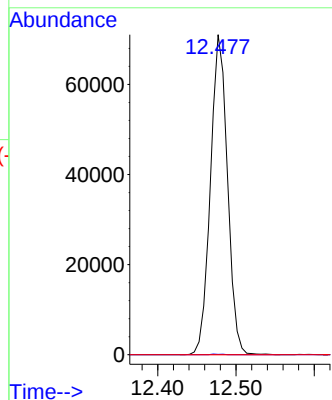
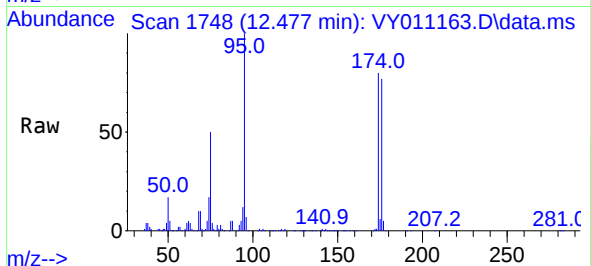




#81
trans-1,4-Dichloro-2-butene
Concen: 118.644 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011163.D
Acq: 28 Oct 2022 17:41

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-1-PILE-2

Tgt Ion: 75 Resp: 107184
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.420 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY011163.D
Acq: 28 Oct 2022 17:41

Tgt Ion:128 Resp: 478
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

