

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY113022\
 Data File : VY011639.D
 Acq On : 30 Nov 2022 14:29
 Operator : KP/MD
 Sample : N5802-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Dec 01 05:23:34 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)

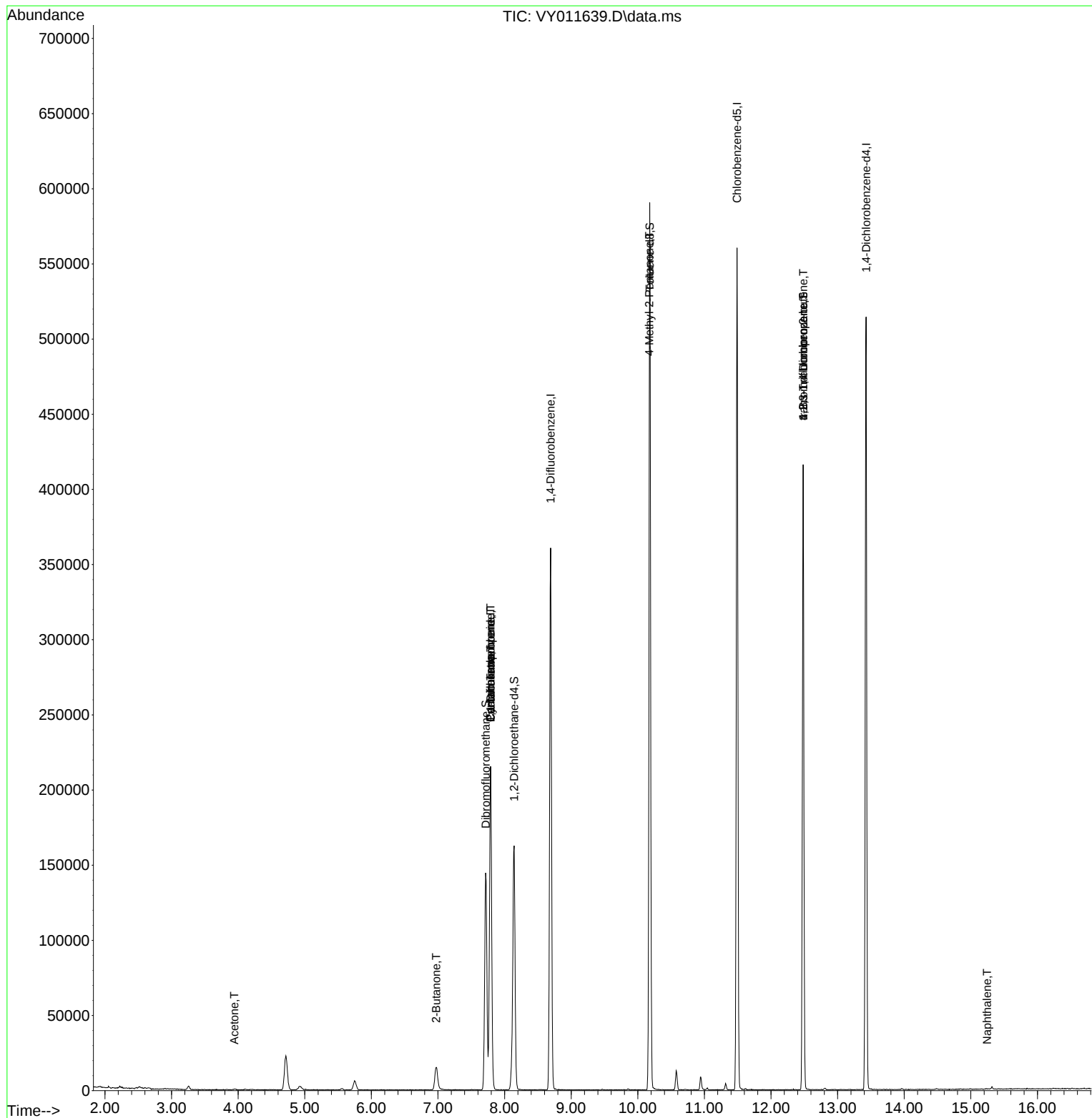
Internal Standards						
1) Pentafluorobenzene	7.789	168	160890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	301938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	297172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	131968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	118988	72.835	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 145.660%	
35) Dibromofluoromethane	7.716	113	100228	53.923	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.840%	
50) Toluene-d8	10.179	98	373953	55.365	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.720%	
62) 4-Bromofluorobenzene	12.483	95	120645	48.310	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.620%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	338	Below Cal		81
3) Chloromethane	2.119	50	183	Below Cal		99
5) Bromomethane	2.668	94	196	Below Cal		87
11) Tert butyl alcohol	4.918	59	2678	Below Cal	#	77
16) Acetone	3.942	43	770	1.451	ug/l	93
18) Methyl Acetate	4.479	43	174	Below Cal	#	56
20) Methylene Chloride	4.716	84	16924	Below Cal		90
25) 2-Butanone	6.972	43	846	1.213	ug/l	# 54
31) Cyclohexane	7.789	56	3540	1.307	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	12726	4.380	ug/l	# 52
38) Carbon Tetrachloride	7.789	117	16160	4.971	ug/l	# 16
51) 4-Methyl-2-Pentanone	10.173	43	1726	1.040	ug/l	# 1
76) 1,2,3-Trichloropropane	12.483	75	64737	45.551	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	64737	99.771	ug/l	# 7
95) Naphthalene	15.245	128	285	4.076	ug/l	# 69

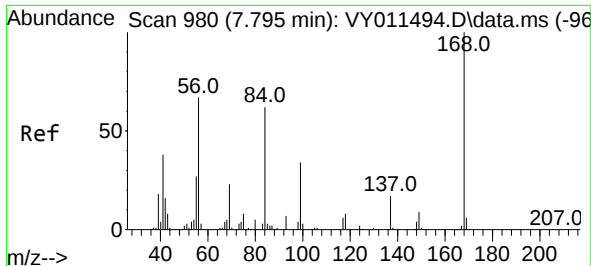
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY113022\
Data File : VY011639.D
Acq On : 30 Nov 2022 14:29
Operator : KP/MD
Sample : N5802-02
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Quant Time: Dec 01 05:23:34 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

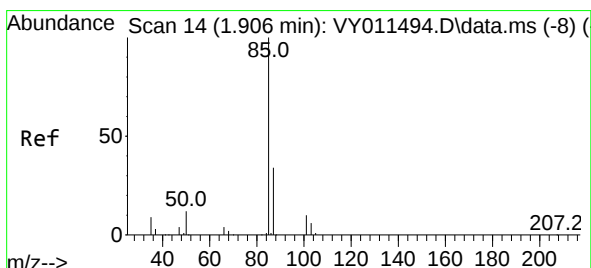
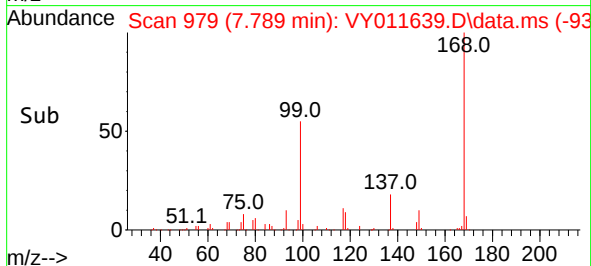
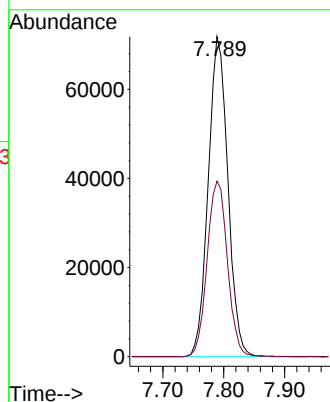
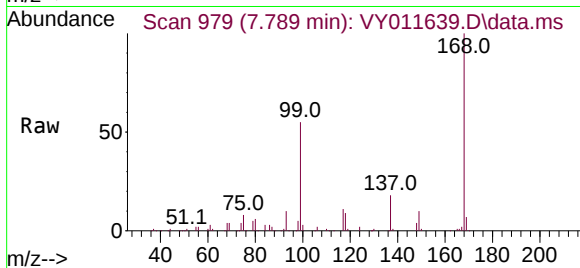




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011639.D
Acq: 30 Nov 2022 14:29

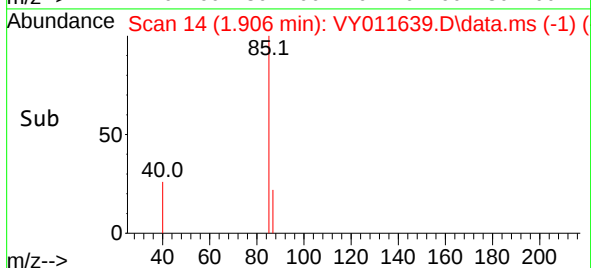
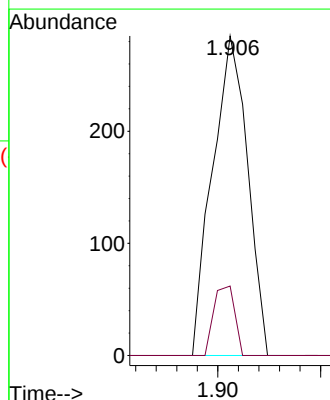
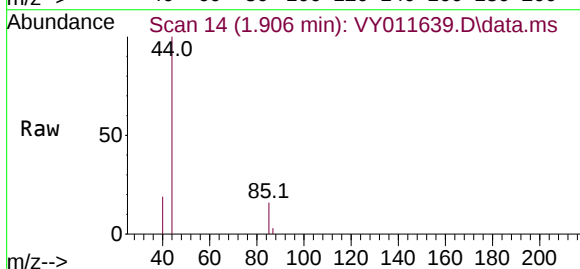
Instrument :
MSVOA_Y
ClientSampleId :
VOC

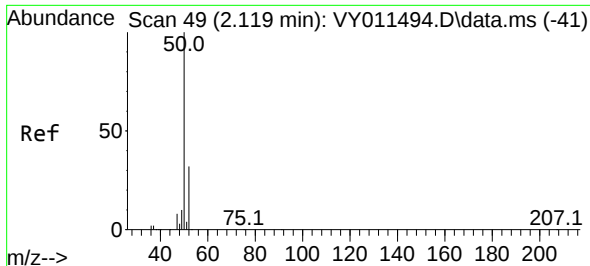
Tgt Ion:168 Resp: 160890
Ion Ratio Lower Upper
168 100
99 54.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011639.D
Acq: 30 Nov 2022 14:29

Tgt Ion: 85 Resp: 338
Ion Ratio Lower Upper
85 100
87 21.8 16.1 48.2

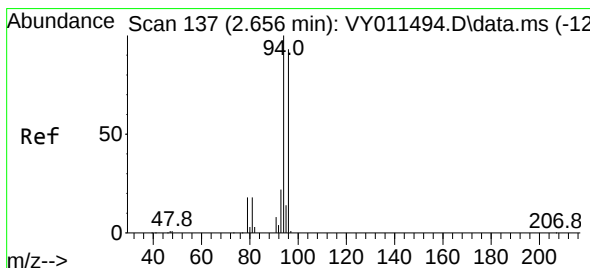
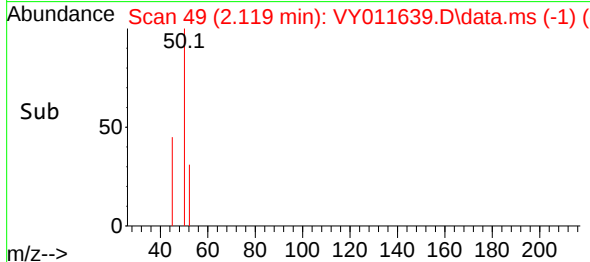
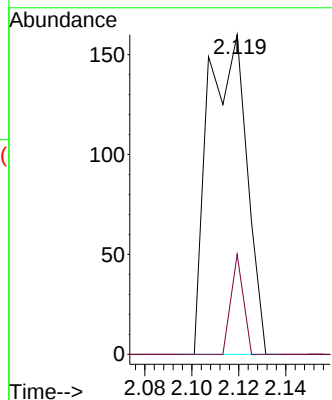
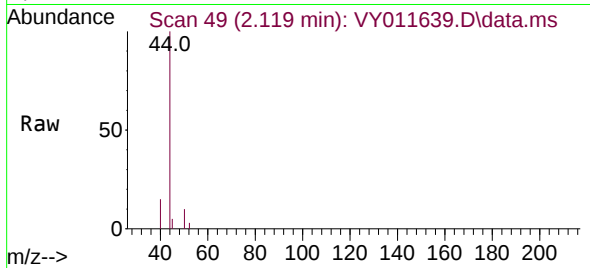




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011639.D
Acq: 30 Nov 2022 14:29

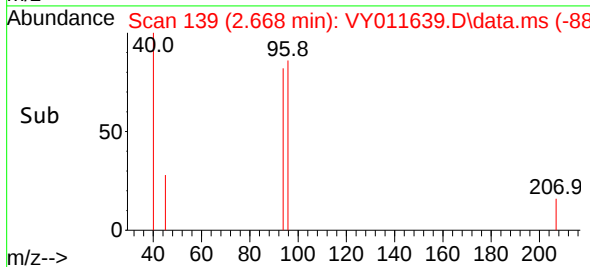
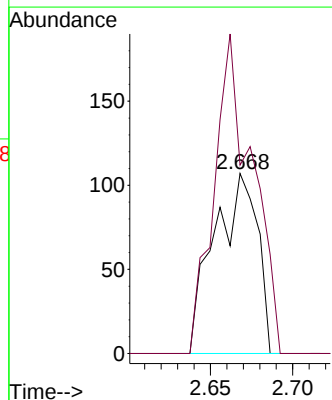
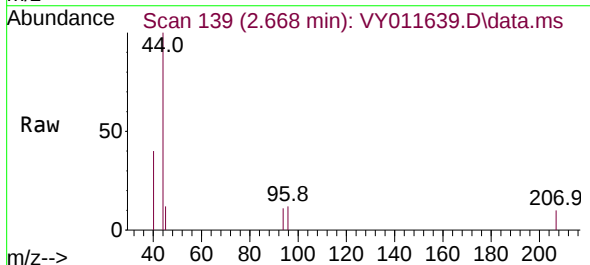
Instrument :
MSVOA_Y
ClientSampleId :
VOC

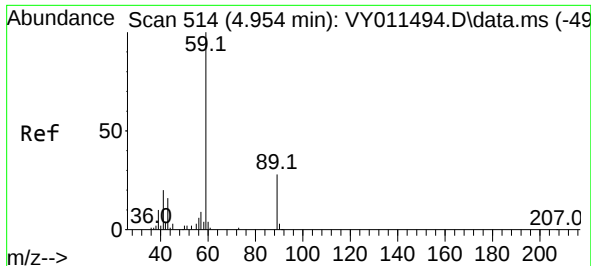
Tgt Ion: 50 Resp: 183
Ion Ratio Lower Upper
50 100
52 31.3 24.6 37.0



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY011639.D
Acq: 30 Nov 2022 14:29

Tgt Ion: 94 Resp: 196
Ion Ratio Lower Upper
94 100
96 104.7 73.5 110.3

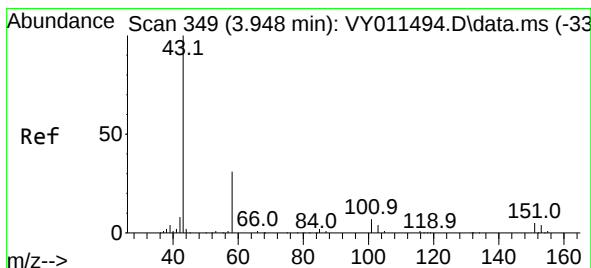
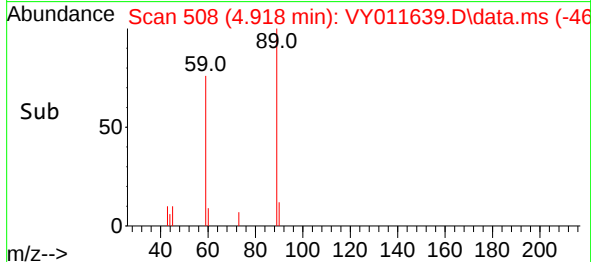
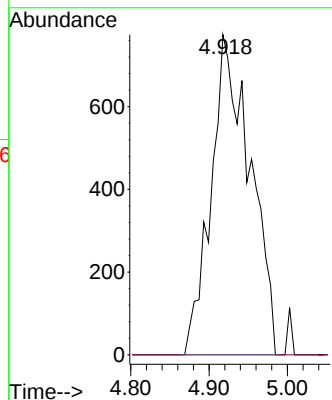
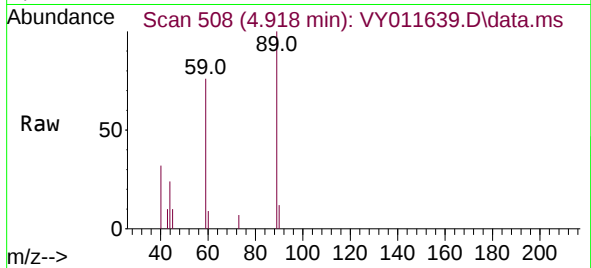




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.036 min
Lab File: VY011639.D
Acq: 30 Nov 2022 14:29

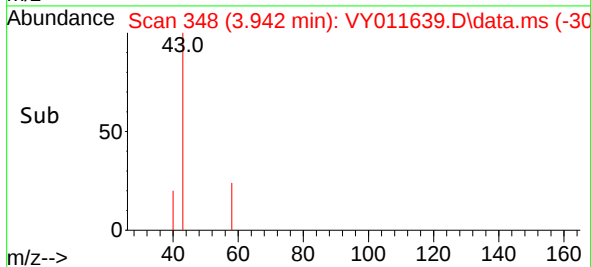
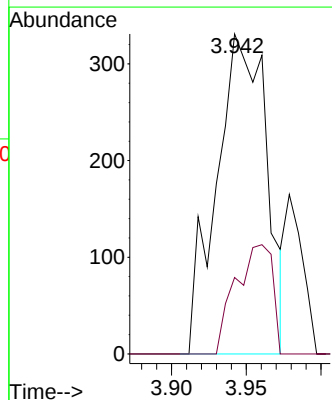
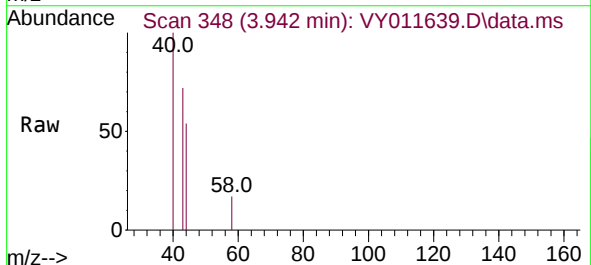
Instrument :
MSVOA_Y
ClientSampleId :
VOC

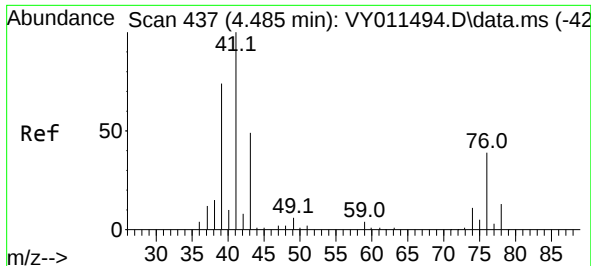
Tgt Ion: 59 Resp: 2678
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 1.451 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY011639.D
Acq: 30 Nov 2022 14:29

Tgt Ion: 43 Resp: 770
Ion Ratio Lower Upper
43 100
58 23.9 22.0 33.0

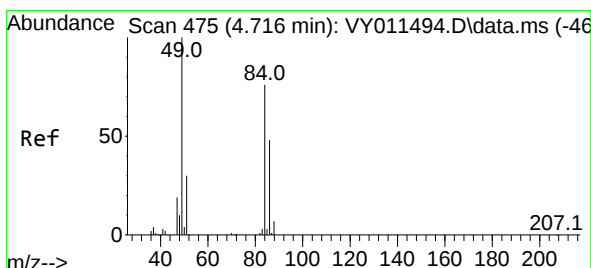
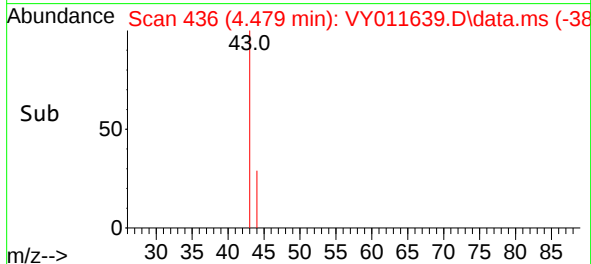
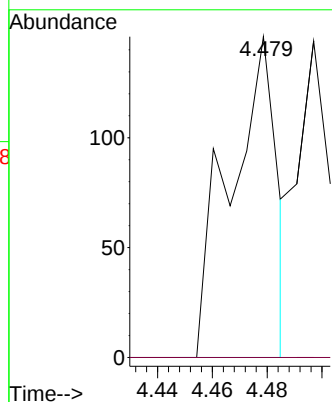
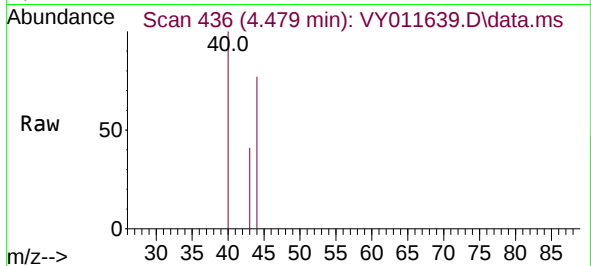




#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011639.D
Acq: 30 Nov 2022 14:29

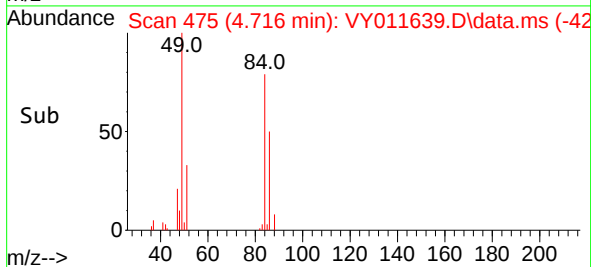
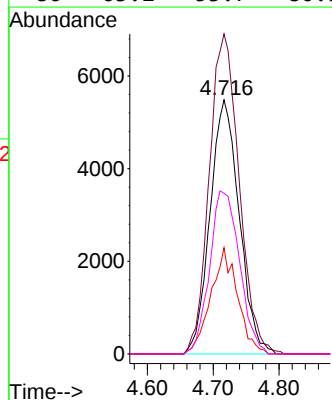
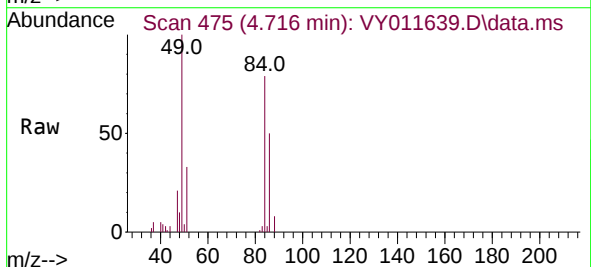
Instrument :
MSVOA_Y
ClientSampleId :
VOC

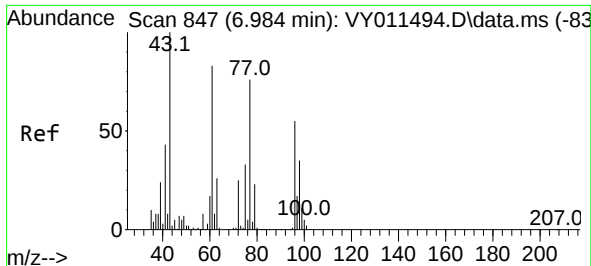
Tgt Ion: 43 Resp: 174
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011639.D
Acq: 30 Nov 2022 14:29

Tgt Ion: 84 Resp: 16924
Ion Ratio Lower Upper
84 100
49 125.9 114.4 171.6
51 41.8 35.3 52.9
86 63.2 53.7 80.5

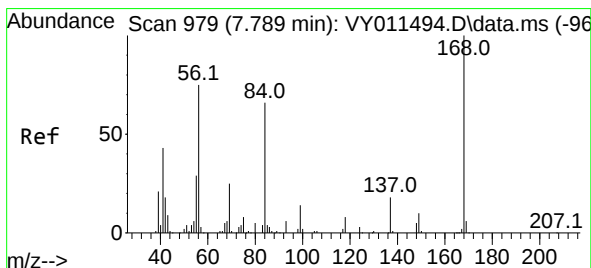
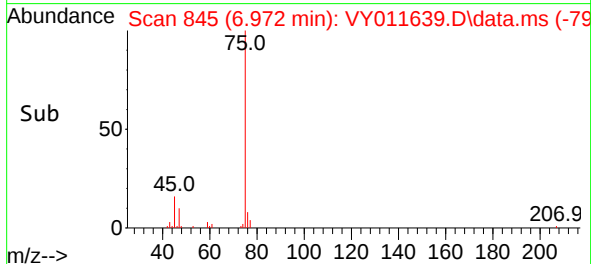
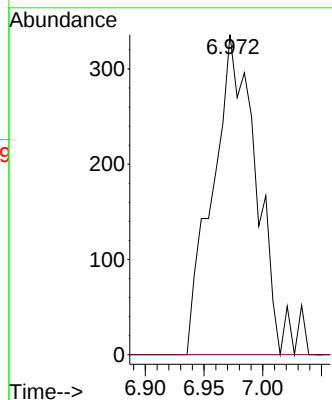
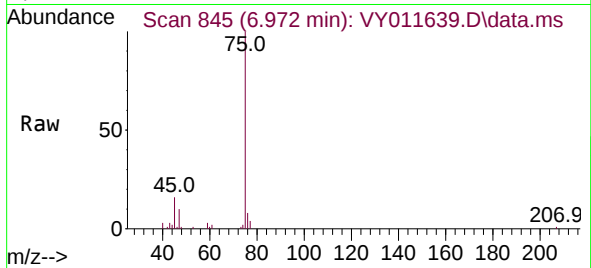




#25
2-Butanone
Concen: 1.213 ug/l
RT: 6.972 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY011639.D
Acq: 30 Nov 2022 14:29

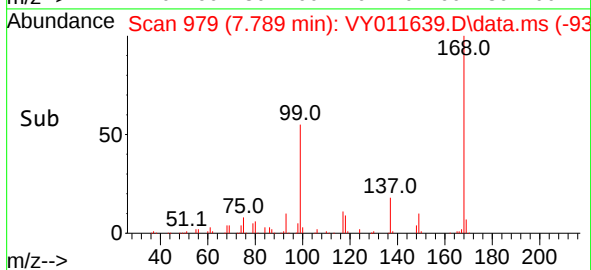
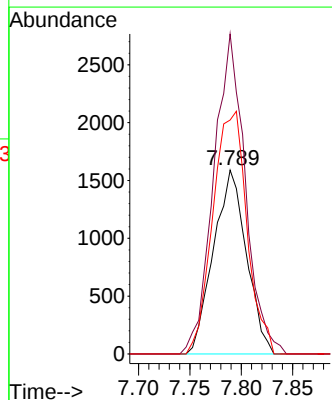
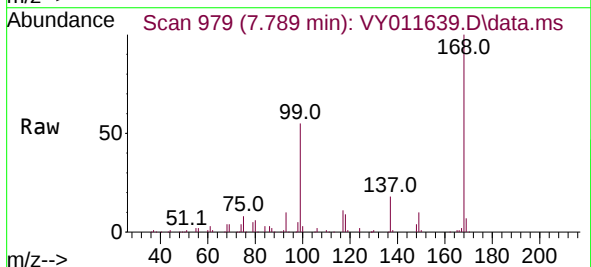
Instrument :
MSVOA_Y
ClientSampleId :
VOC

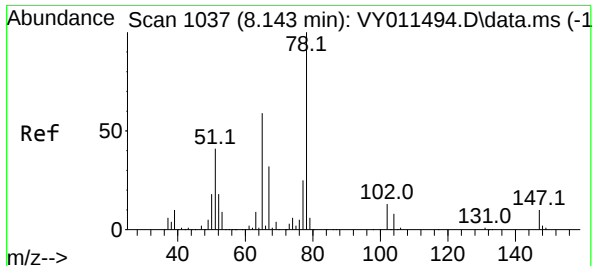
Tgt Ion: 43 Resp: 846
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.307 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY011639.D
Acq: 30 Nov 2022 14:29

Tgt Ion: 56 Resp: 3540
Ion Ratio Lower Upper
56 100
69 174.1 26.7 40.1#
84 127.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 72.835 ug/l

RT: 8.143 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY011639.D

Acq: 30 Nov 2022 14:29

Instrument :

MSVOA_Y

ClientSampleId :

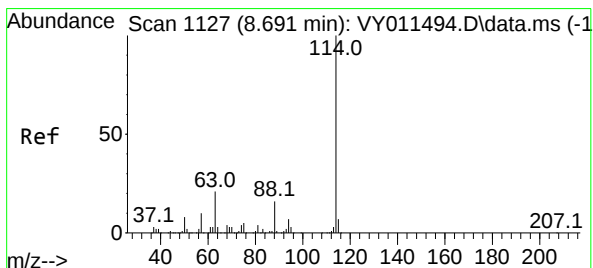
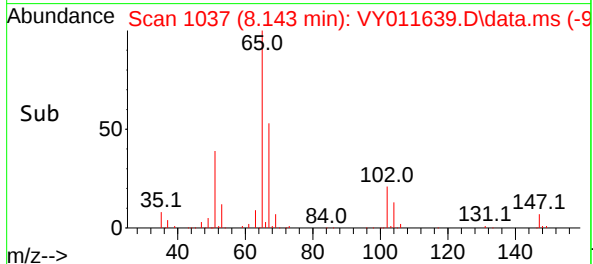
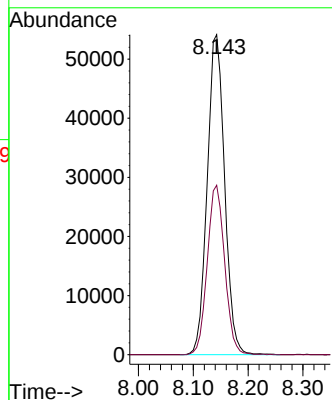
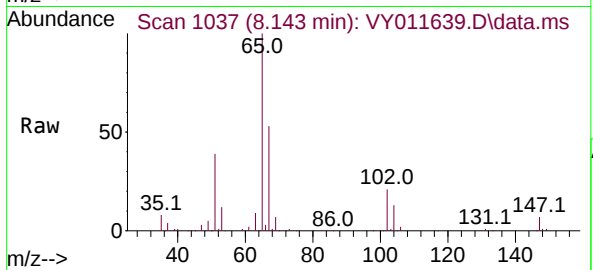
VOC

Tgt Ion: 65 Resp: 118988

Ion Ratio Lower Upper

65 100

67 53.0 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: VY011639.D

Acq: 30 Nov 2022 14:29

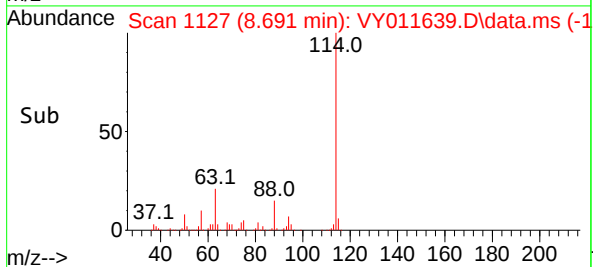
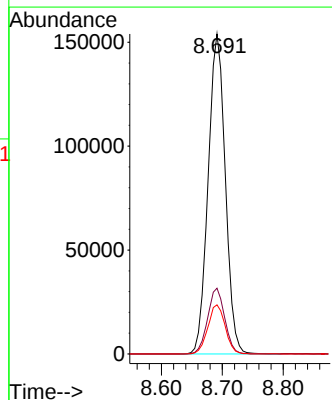
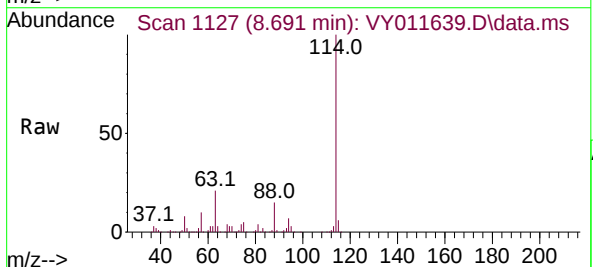
Tgt Ion: 114 Resp: 301938

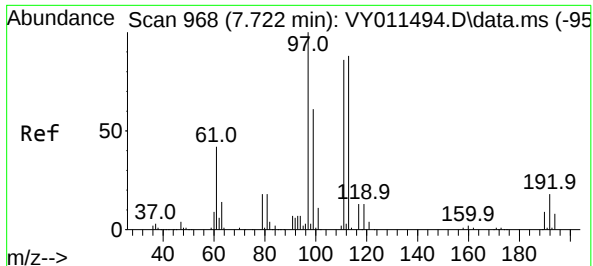
Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.2

88 15.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 53.923 ug/l

RT: 7.716 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY011639.D

Acq: 30 Nov 2022 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VOC

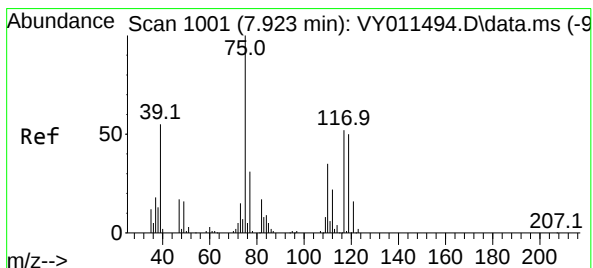
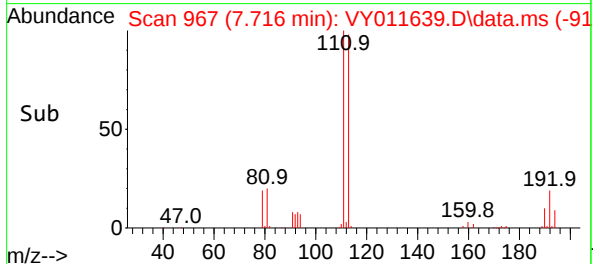
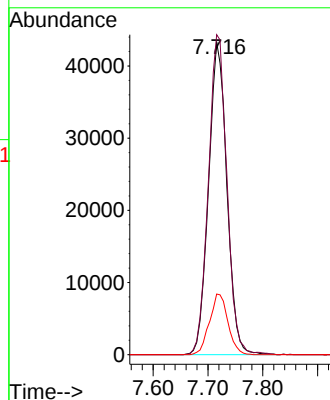
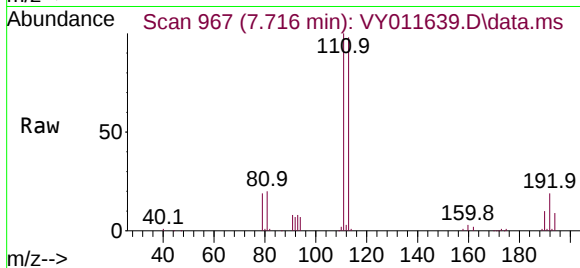
Tgt Ion:113 Resp: 100228

Ion Ratio Lower Upper

113 100

111 103.9 82.6 124.0

192 19.5 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.380 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.134 min

Lab File: VY011639.D

Acq: 30 Nov 2022 14:29

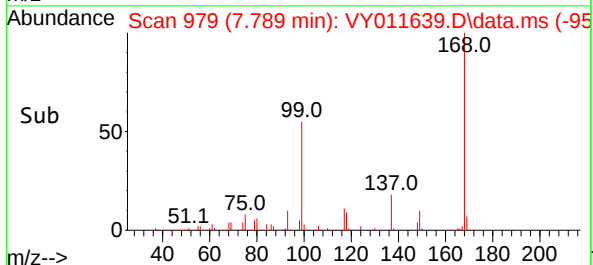
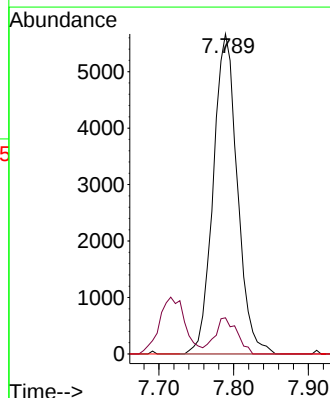
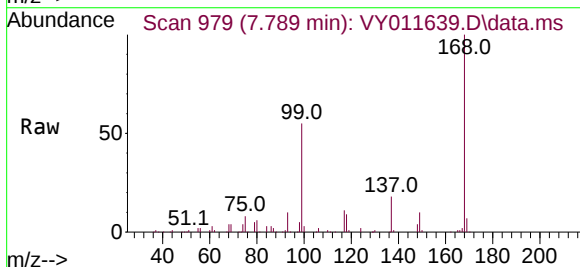
Tgt Ion: 75 Resp: 12726

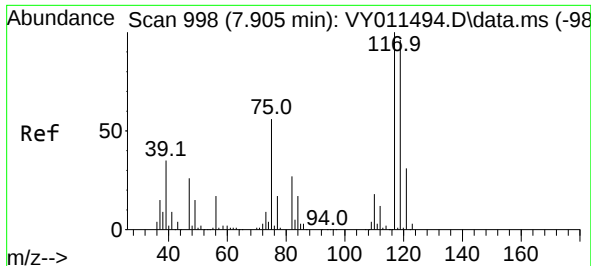
Ion Ratio Lower Upper

75 100

110 10.3 17.1 51.2#

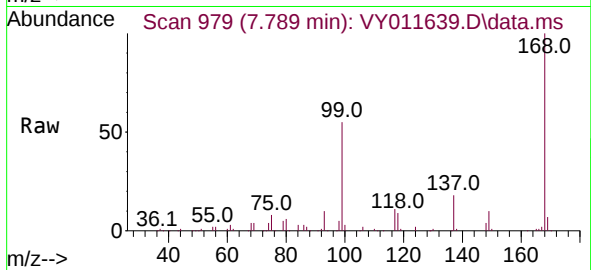
77 0.0 24.4 36.6#



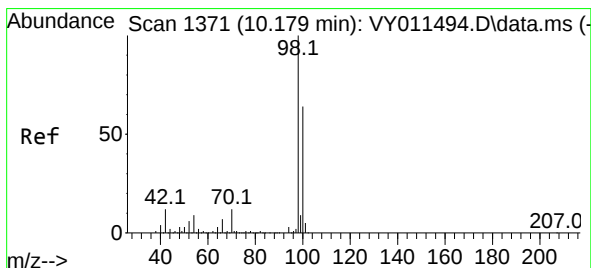
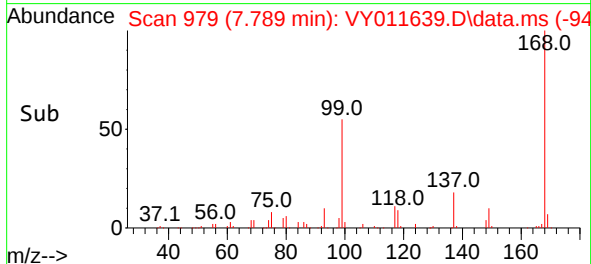
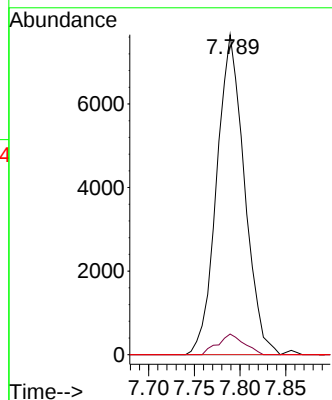


#38
Carbon Tetrachloride
Concen: 4.971 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011639.D
Acq: 30 Nov 2022 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VOC

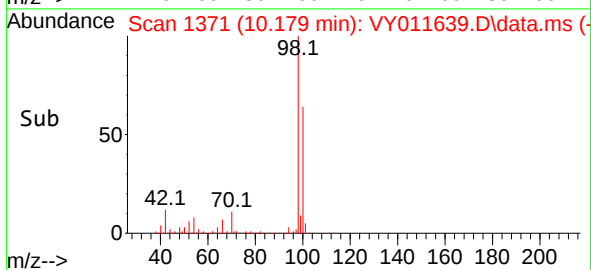
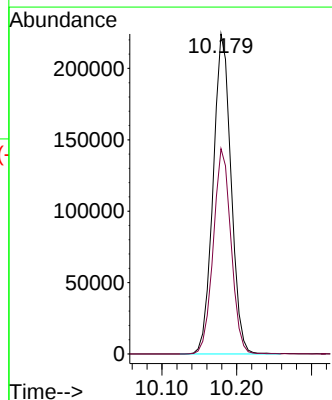
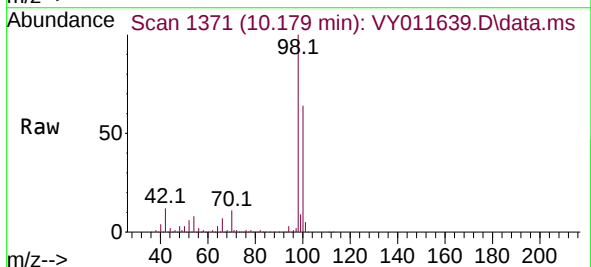


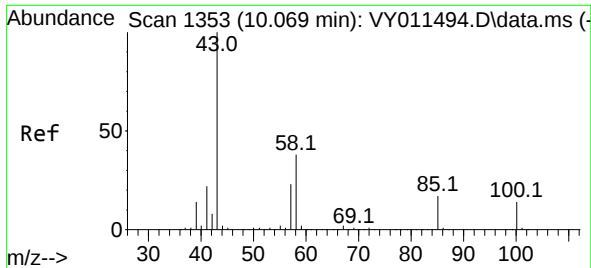
Tgt Ion:117 Resp: 16160
Ion Ratio Lower Upper
117 100
119 6.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 55.365 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011639.D
Acq: 30 Nov 2022 14:29

Tgt Ion: 98 Resp: 373953
Ion Ratio Lower Upper
98 100
100 63.5 50.2 75.2

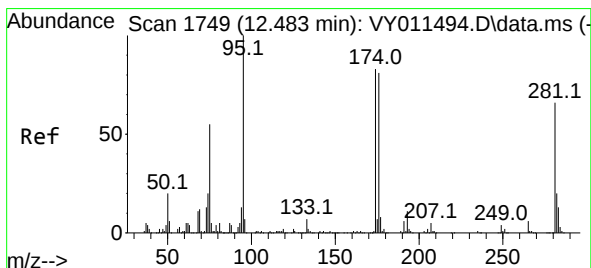
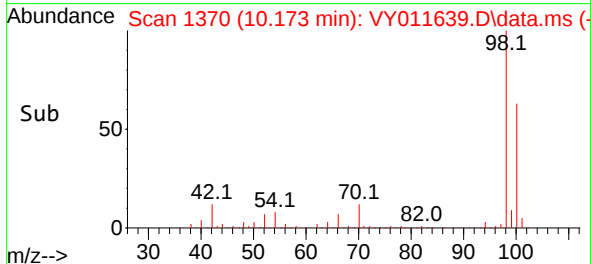
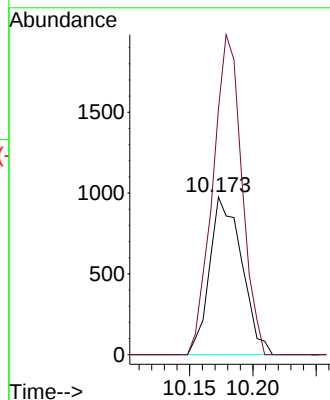
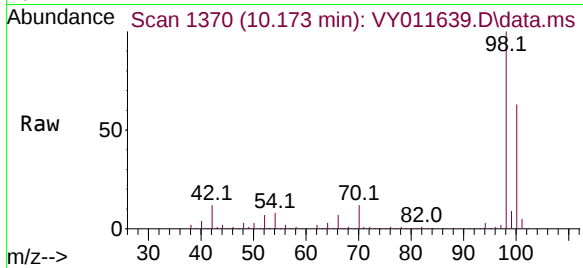




#51
4-Methyl-2-Pentanone
Concen: 1.040 ug/l
RT: 10.173 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY011639.D
Acq: 30 Nov 2022 14:29

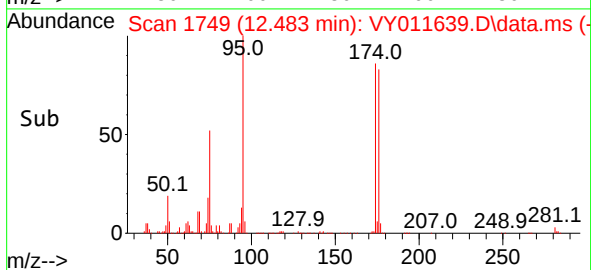
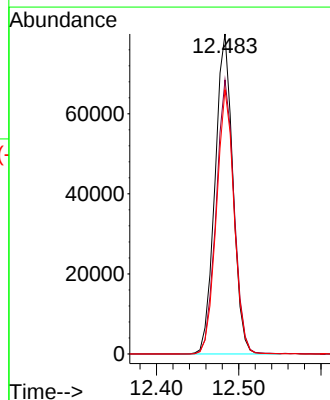
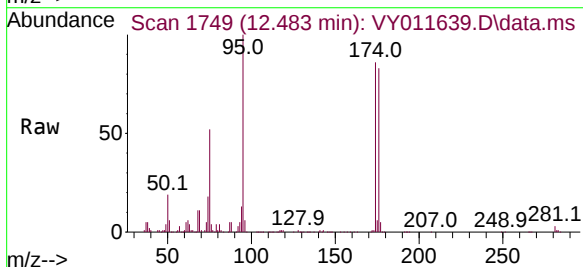
Instrument :
MSVOA_Y
ClientSampleId :
VOC

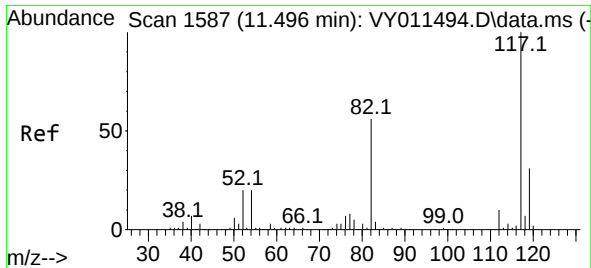
Tgt Ion: 43 Resp: 1726
Ion Ratio Lower Upper
43 100
58 183.3 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 48.310 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011639.D
Acq: 30 Nov 2022 14:29

Tgt Ion: 95 Resp: 120645
Ion Ratio Lower Upper
95 100
174 86.2 0.0 177.0
176 81.5 0.0 175.8

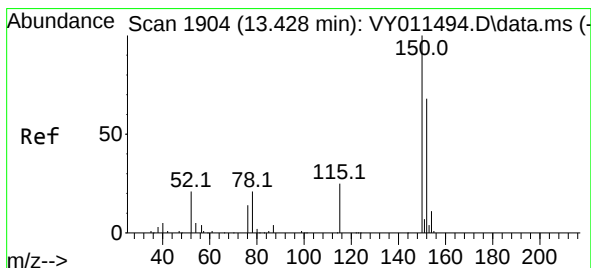
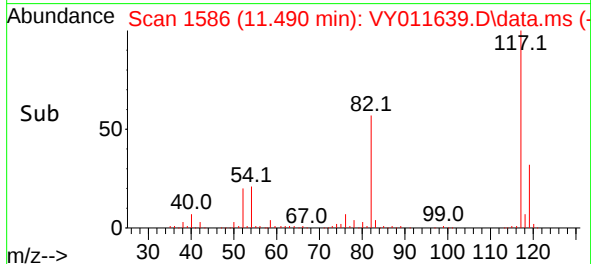
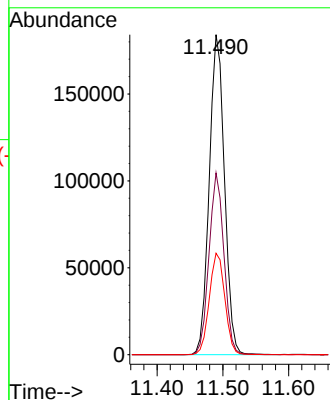
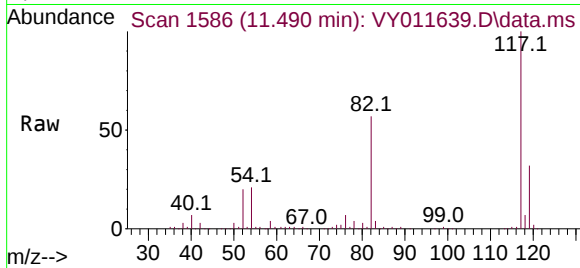




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011639.D
Acq: 30 Nov 2022 14:29

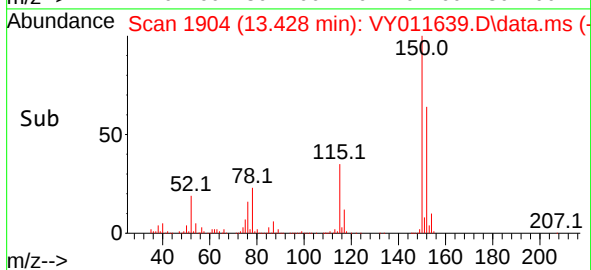
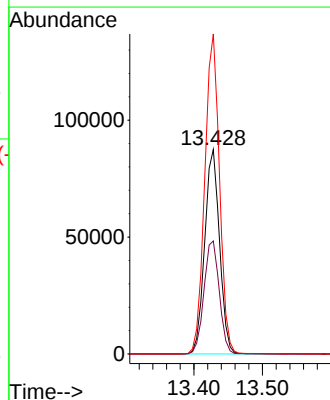
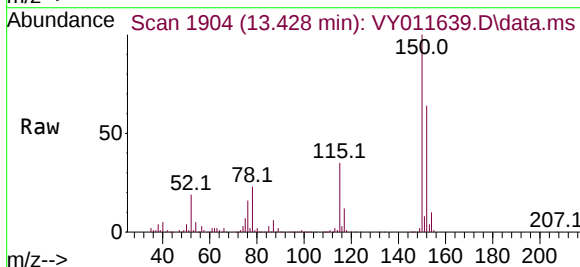
Instrument :
MSVOA_Y
ClientSampleId :
VOC

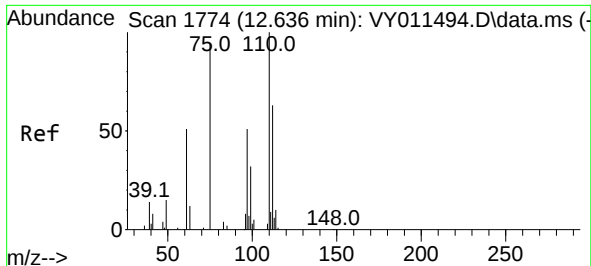
Tgt Ion:117 Resp: 297172
Ion Ratio Lower Upper
117 100
82 56.8 43.0 64.4
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011639.D
Acq: 30 Nov 2022 14:29

Tgt Ion:152 Resp: 131968
Ion Ratio Lower Upper
152 100
115 57.0 28.2 84.7
150 155.6 0.0 347.6

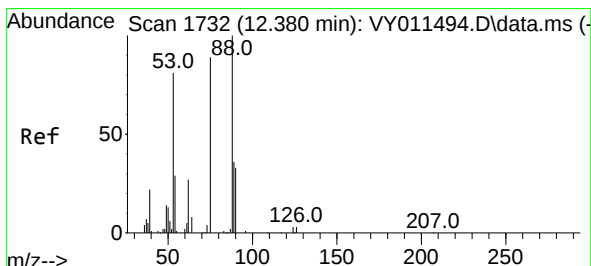
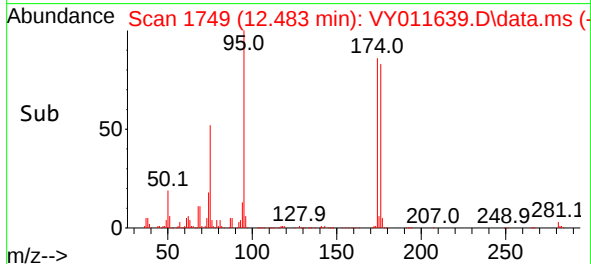
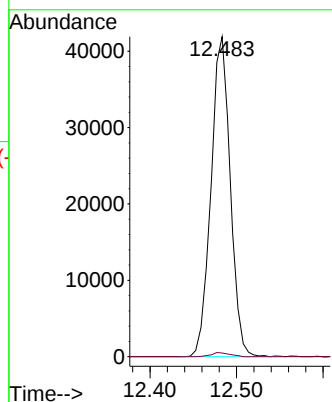
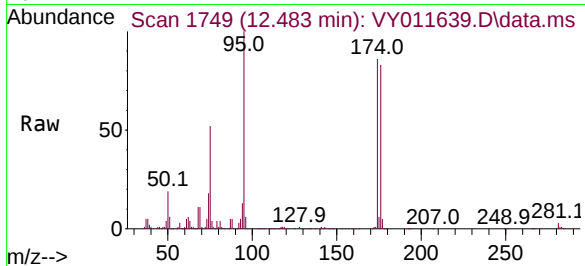




#76
1,2,3-Trichloropropane
Concen: 45.551 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011639.D
Acq: 30 Nov 2022 14:29

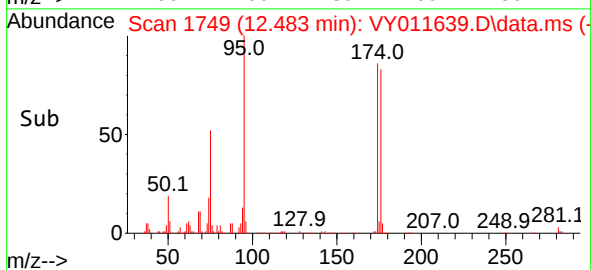
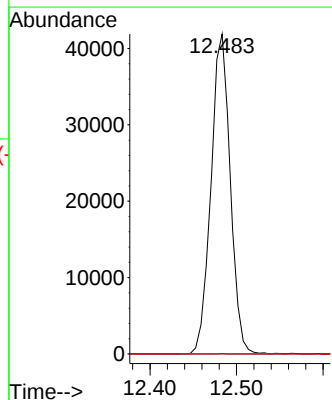
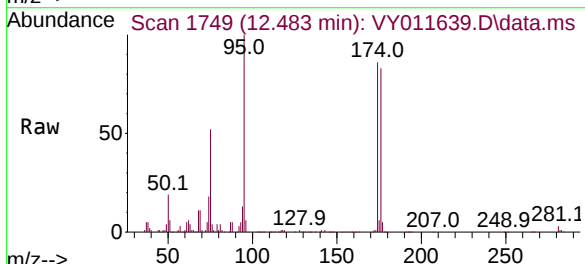
Instrument :
MSVOA_Y
ClientSampleId :
VOC

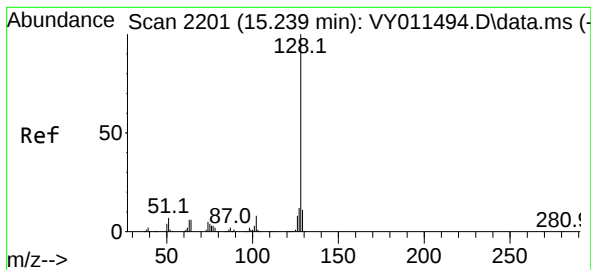
Tgt Ion: 75 Resp: 64737
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.771 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011639.D
Acq: 30 Nov 2022 14:29

Tgt Ion: 75 Resp: 64737
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 4.076 ug/l

RT: 15.245 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY011639.D

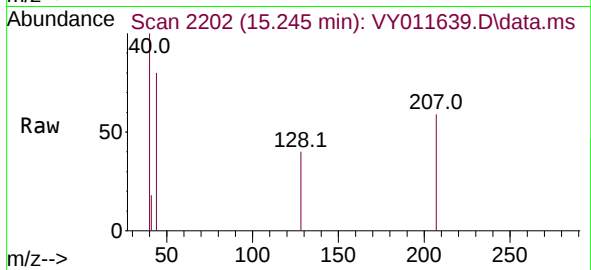
Acq: 30 Nov 2022 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VOC



Tgt Ion:128 Resp: 285

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#

