

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120122\
 Data File : VY011659.D
 Acq On : 01 Dec 2022 13:52
 Operator : KP/MD
 Sample : N5807-09
 Misc : 3.40g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-2

Quant Time: Dec 02 03:20:24 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)

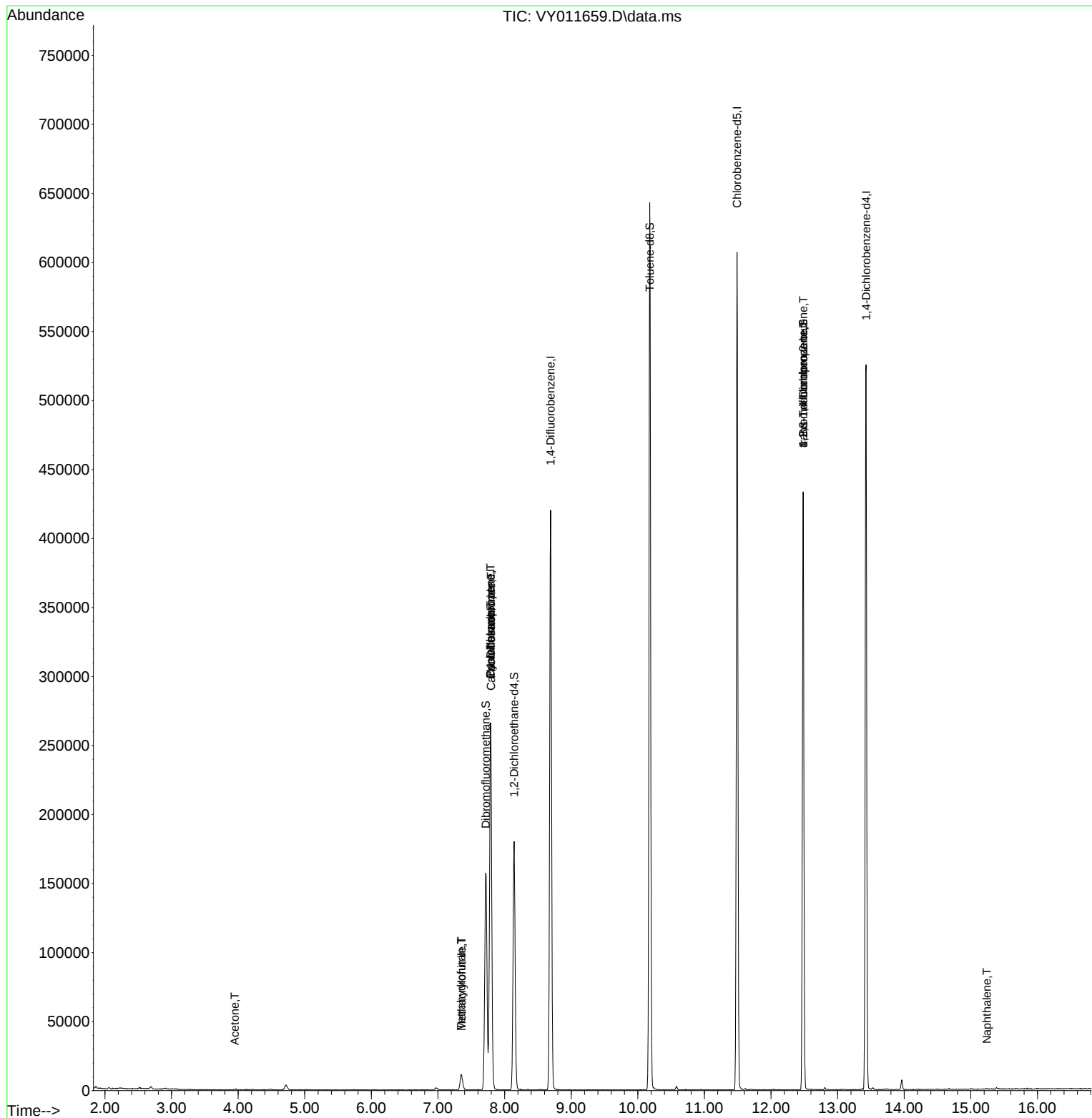
Internal Standards						
1) Pentafluorobenzene	7.789	168	203770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	356649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	317409	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	135675	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	138191	66.789	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 133.580%		
35) Dibromofluoromethane	7.716	113	111343	50.714	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 101.420%		
50) Toluene-d8	10.179	98	425047	53.276	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 106.560%		
62) 4-Bromofluorobenzene	12.483	95	128507	43.565	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 87.120%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	66	Below Cal	#	43
3) Chloromethane	2.119	50	165	Below Cal	#	44
5) Bromomethane	2.668	94	177	Below Cal	#	73
11) Tert butyl alcohol	4.930	59	125	Below Cal	#	77
16) Acetone	3.948	43	1024	1.524	ug/l	92
18) Methyl Acetate	4.478	43	739	Below Cal	#	79
20) Methylene Chloride	4.722	84	2835	Below Cal	#	73
29) Tetrahydrofuran	7.350	42	9252	18.548	ug/l	92
31) Cyclohexane	7.789	56	4329	1.262	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	15872	4.625	ug/l #	51
38) Carbon Tetrachloride	7.795	117	20560	5.355	ug/l #	16
41) Methacrylonitrile	7.356	41	5242	5.305	ug/l #	42
76) 1,2,3-Trichloropropane	12.483	75	69887	47.831	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	69887	104.766	ug/l #	7
95) Naphthalene	15.239	128	664	4.147	ug/l #	90

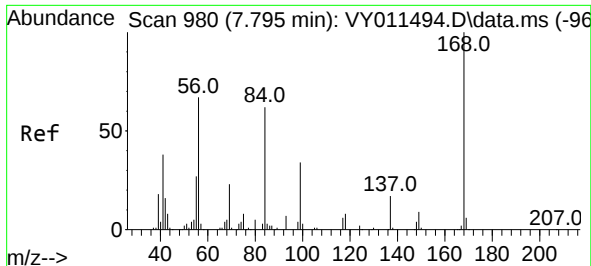
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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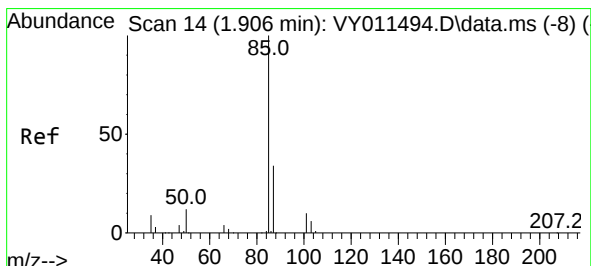
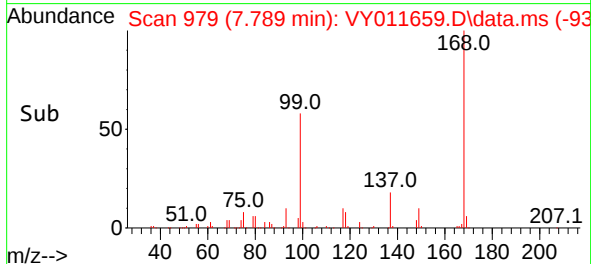
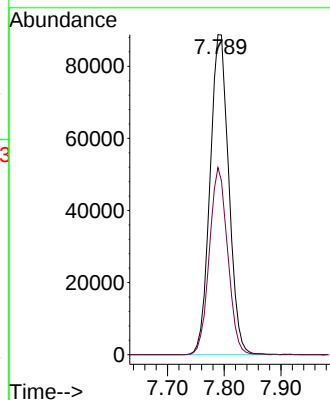
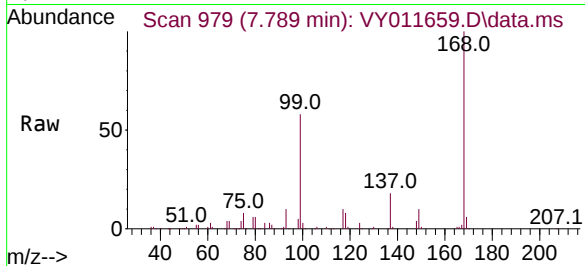




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011659.D
Acq: 01 Dec 2022 13:52

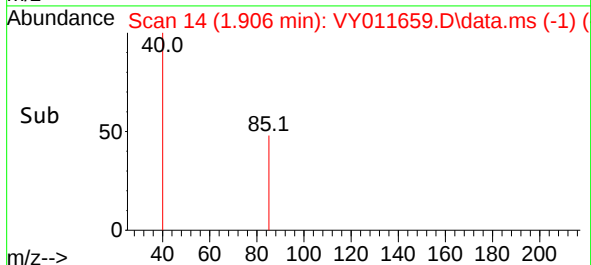
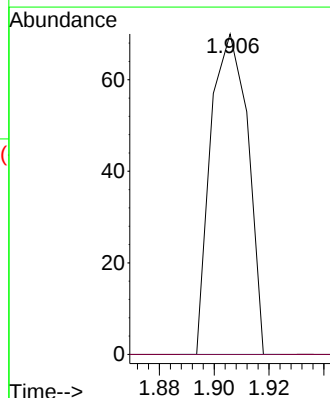
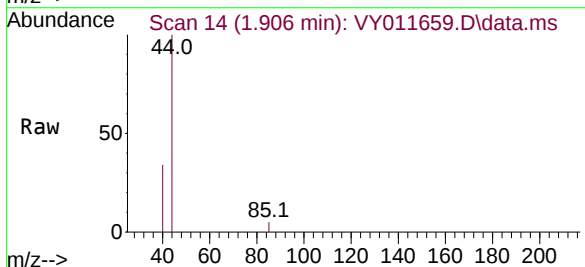
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2

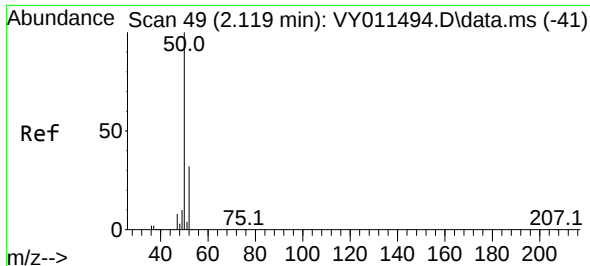
Tgt Ion:168 Resp: 203770
Ion Ratio Lower Upper
168 100
99 58.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011659.D
Acq: 01 Dec 2022 13:52

Tgt Ion: 85 Resp: 66
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

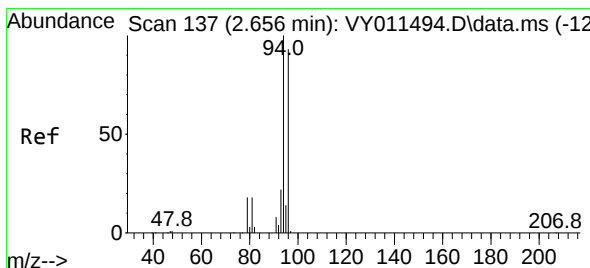
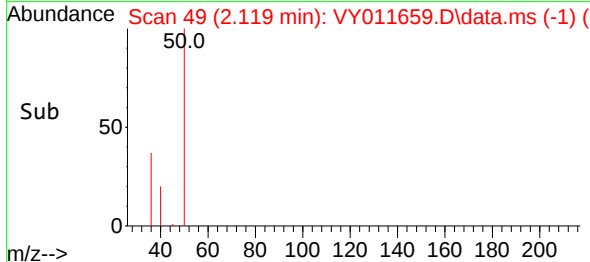
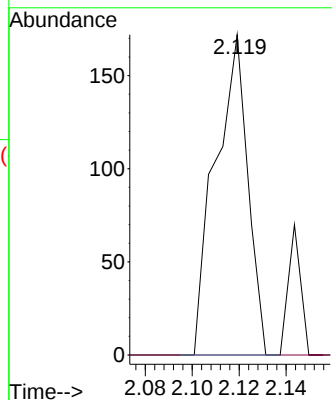
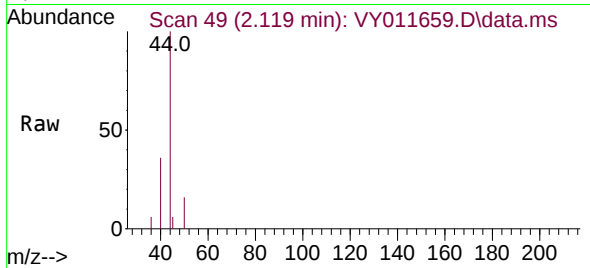




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011659.D
Acq: 01 Dec 2022 13:52

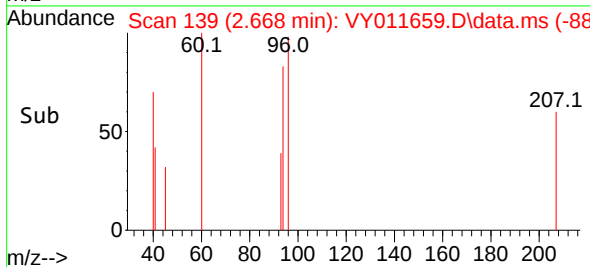
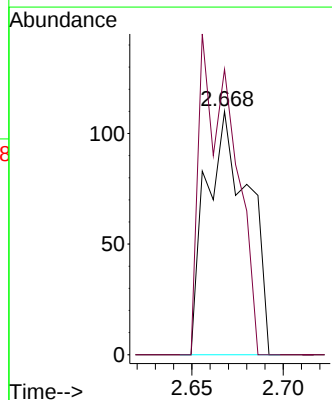
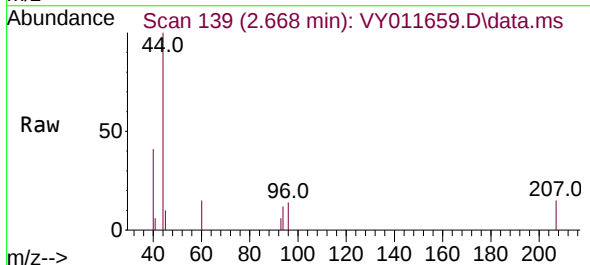
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2

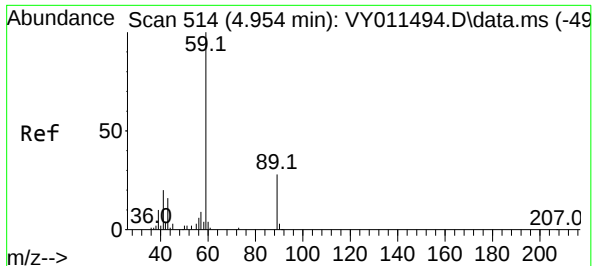
Tgt Ion: 50 Resp: 165
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY011659.D
Acq: 01 Dec 2022 13:52

Tgt Ion: 94 Resp: 177
Ion Ratio Lower Upper
94 100
96 117.3 73.5 110.3#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.930 min Scan# 514

Delta R.T. -0.024 min

Lab File: VY011659.D

Acq: 01 Dec 2022 13:52

Instrument :

MSVOA_Y

ClientSampleId :

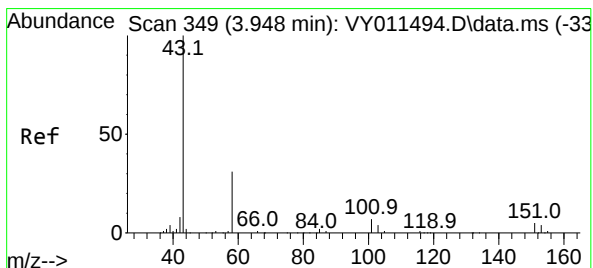
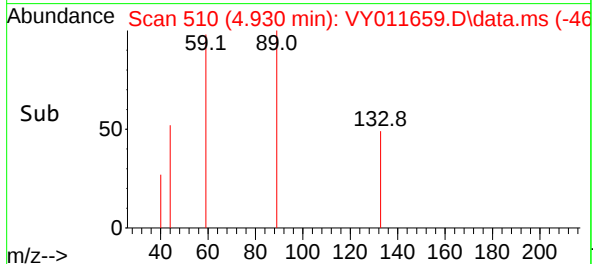
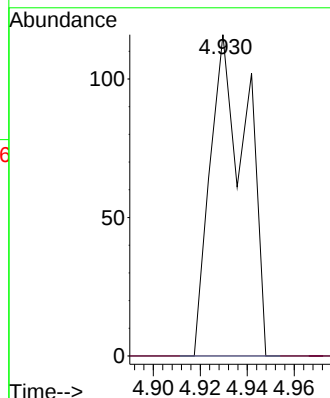
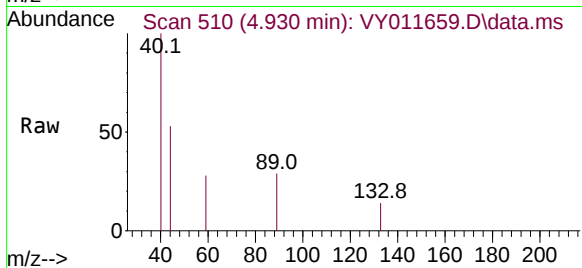
TOTAL-VOC-2

Tgt Ion: 59 Resp: 125

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.524 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY011659.D

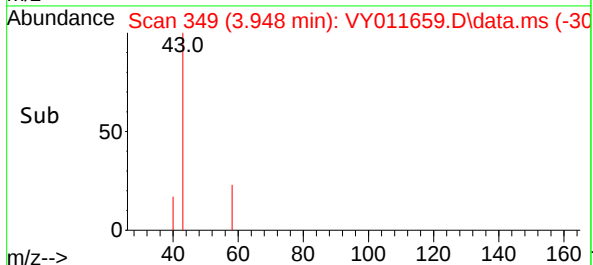
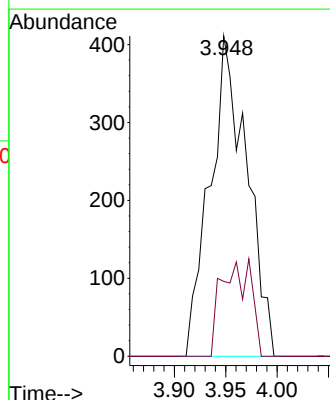
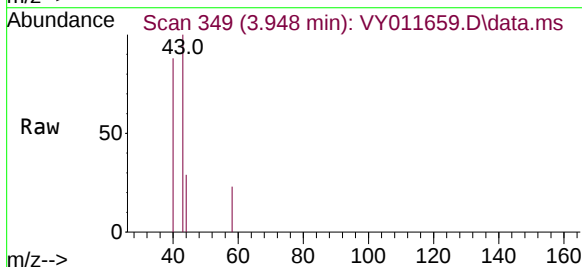
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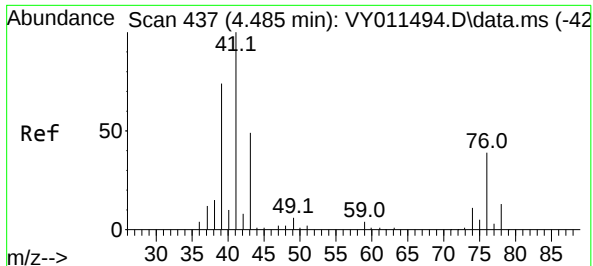
Tgt Ion: 43 Resp: 1024

Ion Ratio Lower Upper

43 100

58 23.4 22.0 33.0

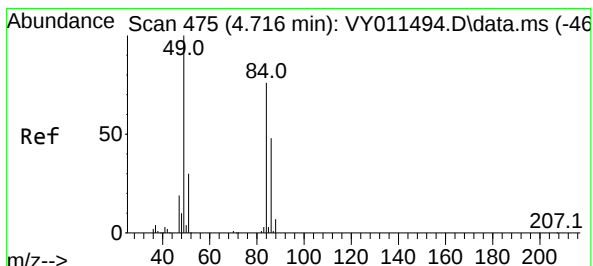
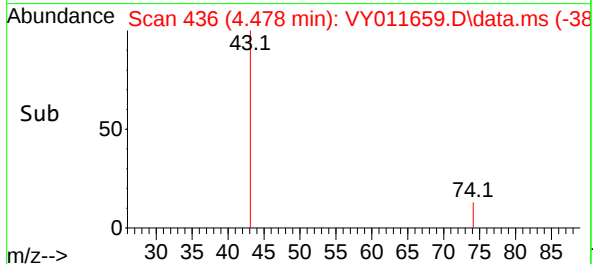
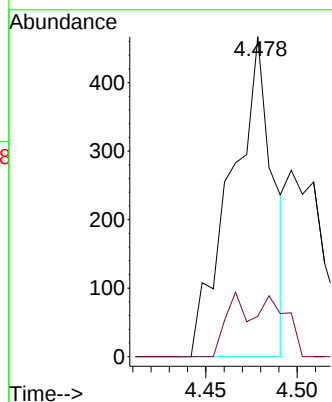
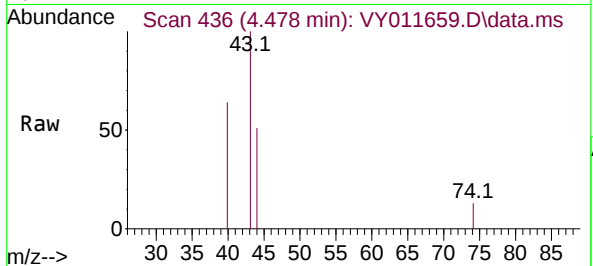




#18
Methyl Acetate
Concen: Below Cal
RT: 4.478 min Scan# 41
Delta R.T. -0.007 min
Lab File: VY011659.D
Acq: 01 Dec 2022 13:52

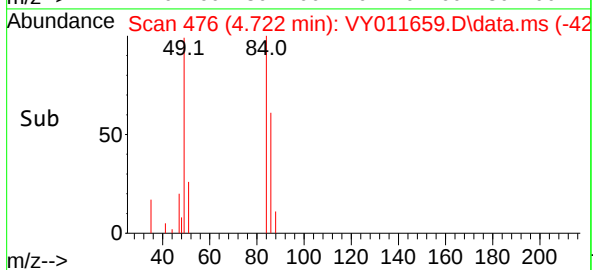
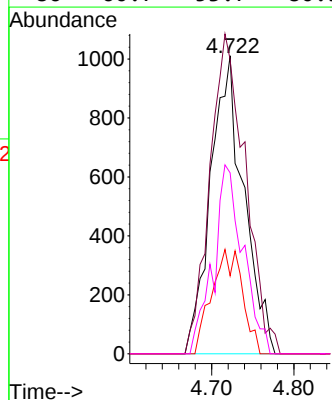
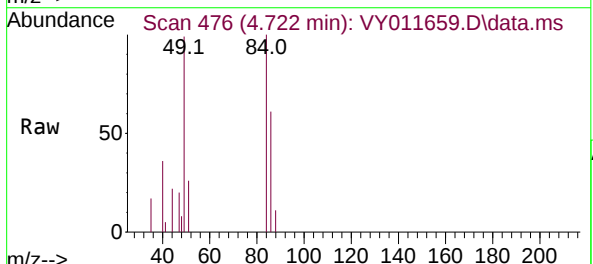
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2

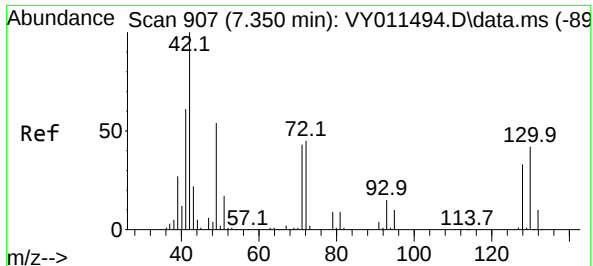
Tgt Ion: 43 Resp: 739
Ion Ratio Lower Upper
43 100
74 10.7 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY011659.D
Acq: 01 Dec 2022 13:52

Tgt Ion: 84 Resp: 2835
Ion Ratio Lower Upper
84 100
49 98.7 114.4 171.6#
51 26.2 35.3 52.9#
86 60.7 53.7 80.5





#29

Tetrahydrofuran

Concen: 18.548 ug/l

RT: 7.350 min Scan# 907

Delta R.T. -0.000 min

Lab File: VY011659.D

Acq: 01 Dec 2022 13:52

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-2

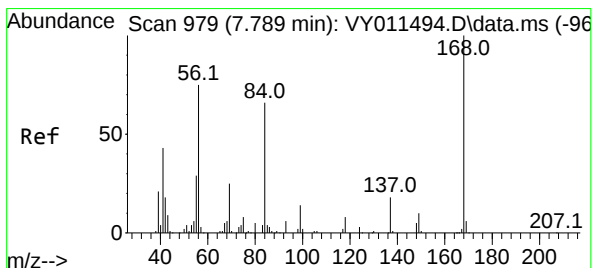
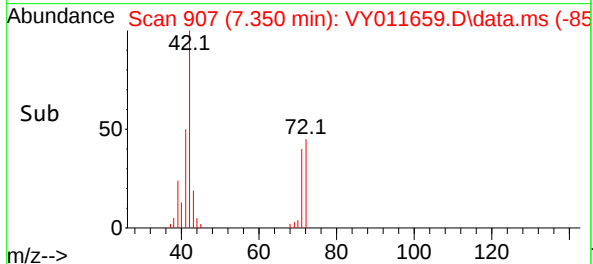
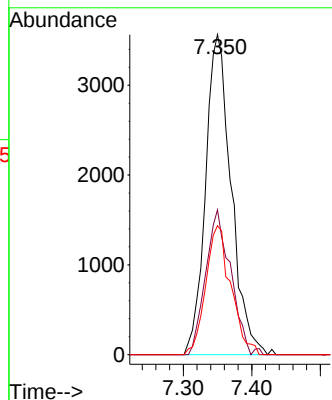
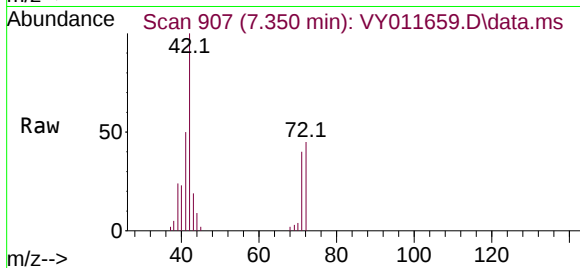
Tgt Ion: 42 Resp: 9252

Ion Ratio Lower Upper

42 100

72 44.3 30.3 45.5

71 39.6 29.0 43.4



#31

Cyclohexane

Concen: 1.262 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY011659.D

Acq: 01 Dec 2022 13:52

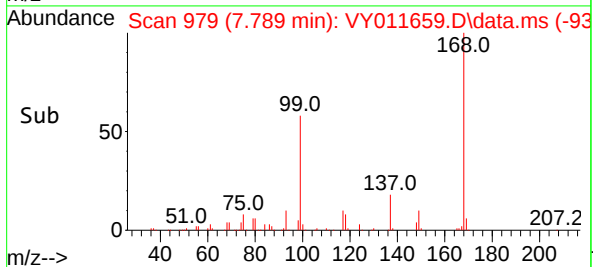
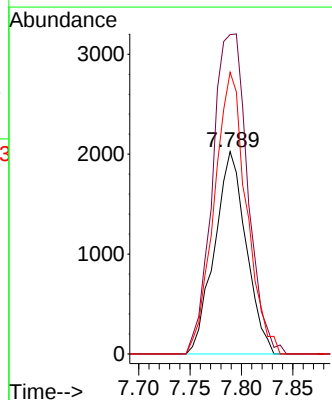
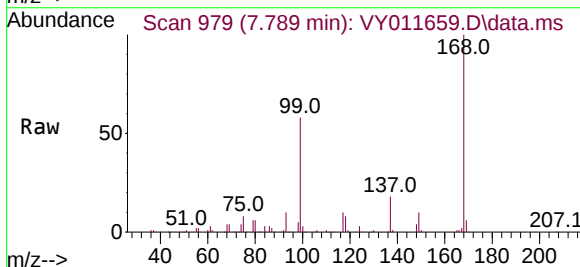
Tgt Ion: 56 Resp: 4329

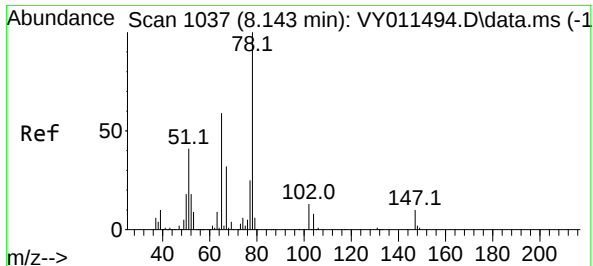
Ion Ratio Lower Upper

56 100

69 157.7 26.7 40.1#

84 139.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 66.789 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. -0.001 min

Lab File: VY011659.D

Acq: 01 Dec 2022 13:52

Instrument :

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ClientSampleId :

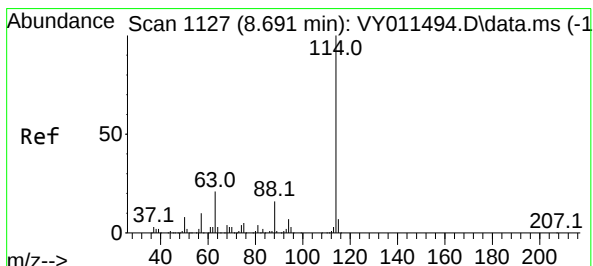
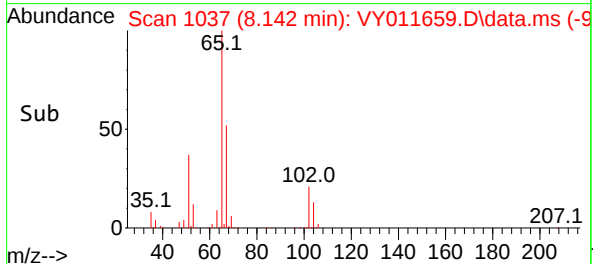
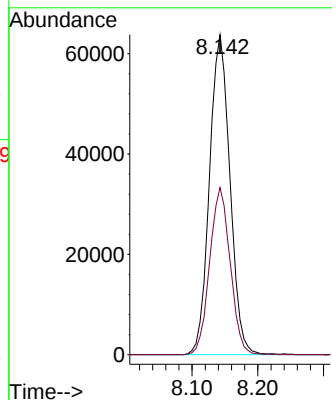
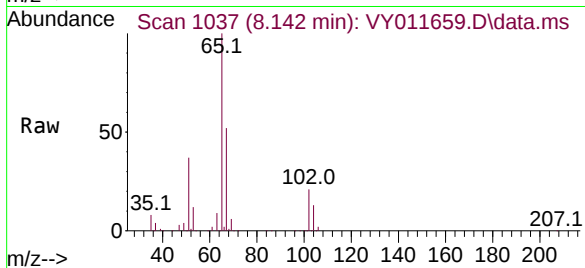
TOTAL-VOC-2

Tgt Ion: 65 Resp: 138191

Ion Ratio Lower Upper

65 100

67 52.3 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: VY011659.D

Acq: 01 Dec 2022 13:52

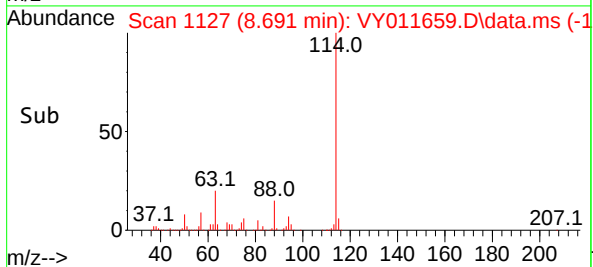
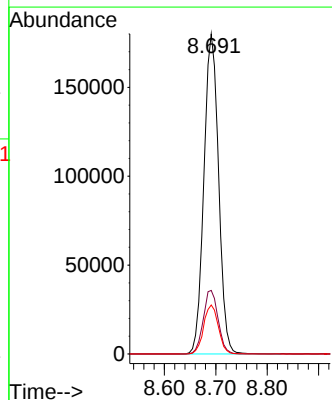
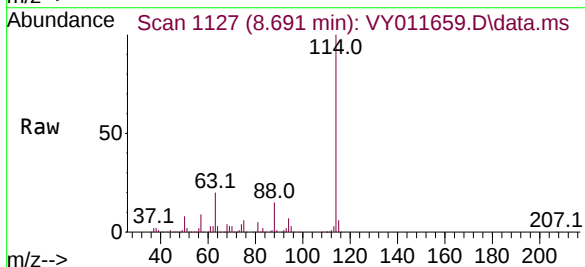
Tgt Ion: 114 Resp: 356649

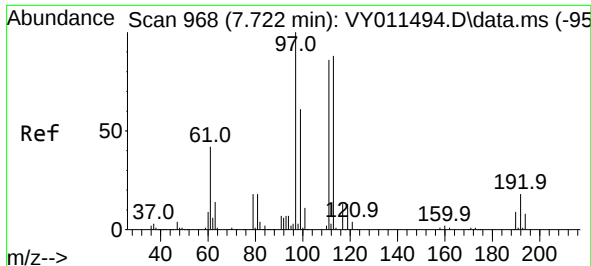
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 15.3 0.0 31.8

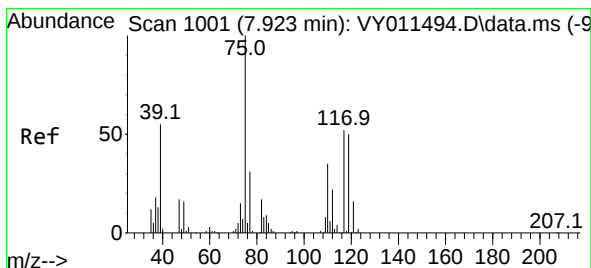
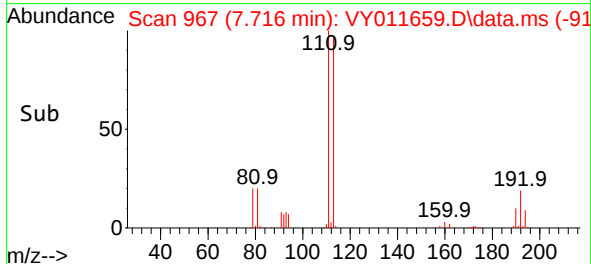
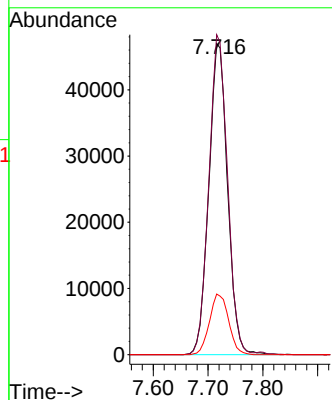
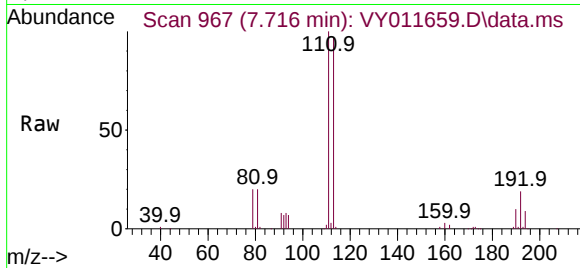




#35
Dibromofluoromethane
Concen: 50.714 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY011659.D
Acq: 01 Dec 2022 13:52

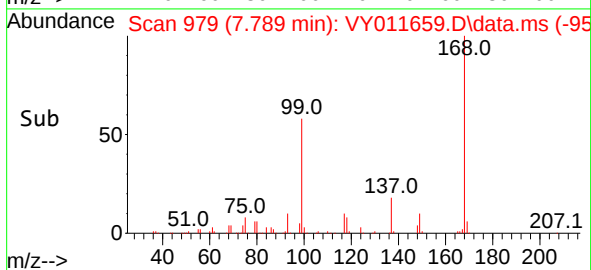
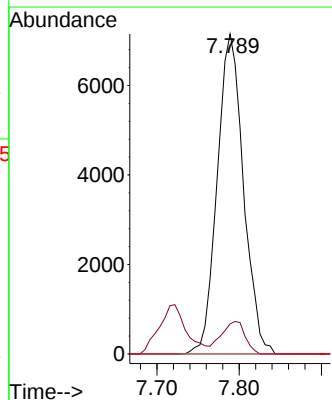
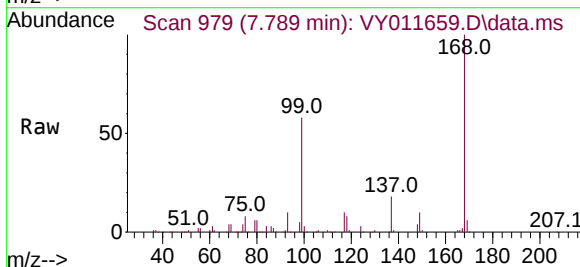
Instrument :
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TOTAL-VOC-2

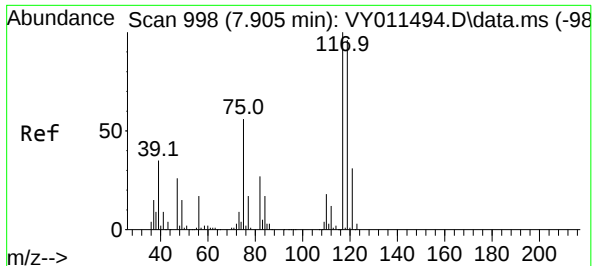
Tgt Ion:113 Resp: 111343
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 19.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.625 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY011659.D
Acq: 01 Dec 2022 13:52

Tgt Ion: 75 Resp: 15872
Ion Ratio Lower Upper
75 100
110 9.1 17.1 51.2#
77 0.0 24.4 36.6#

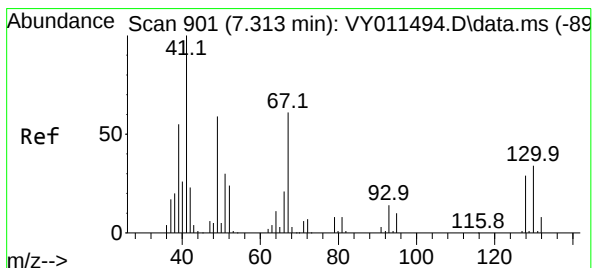
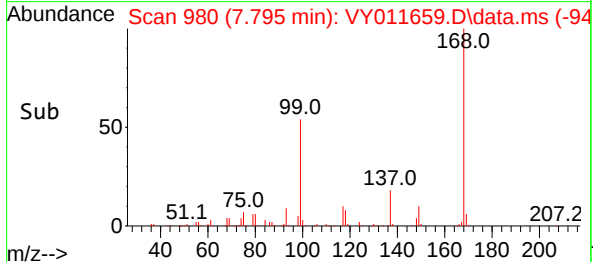
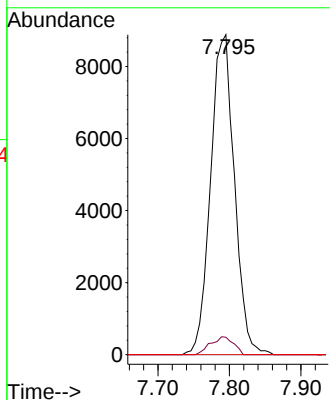
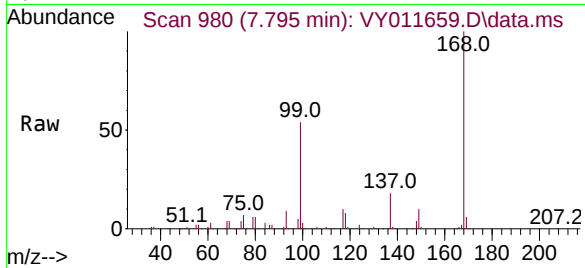




#38
Carbon Tetrachloride
Concen: 5.355 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011659.D
Acq: 01 Dec 2022 13:52

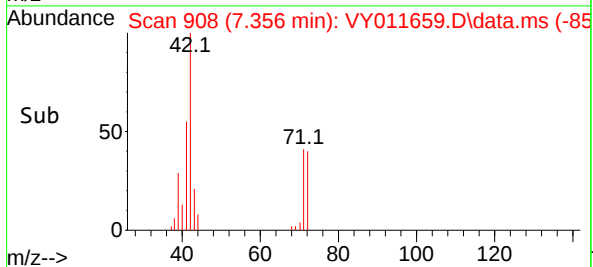
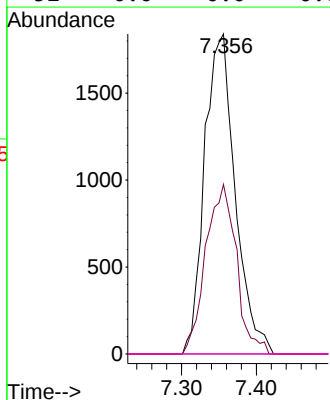
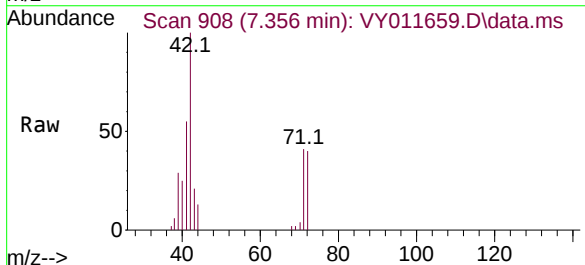
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2

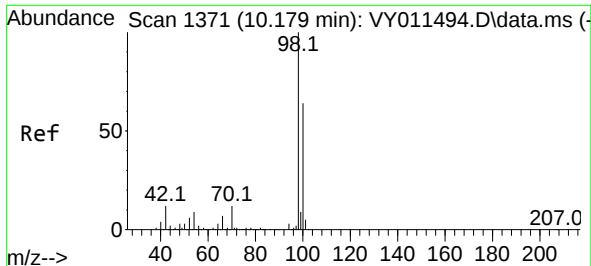
Tgt Ion:117 Resp: 20560
Ion Ratio Lower Upper
117 100
119 5.4 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 5.305 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.043 min
Lab File: VY011659.D
Acq: 01 Dec 2022 13:52

Tgt Ion: 41 Resp: 5242
Ion Ratio Lower Upper
41 100
39 52.9 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

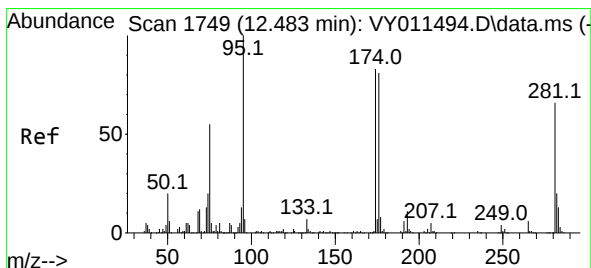
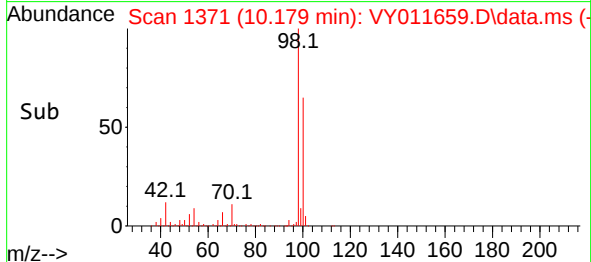
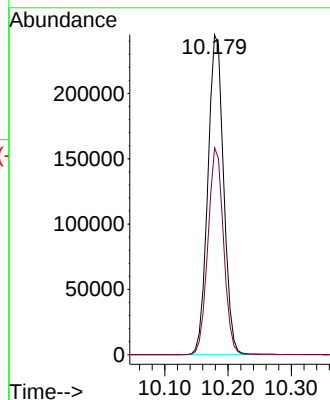
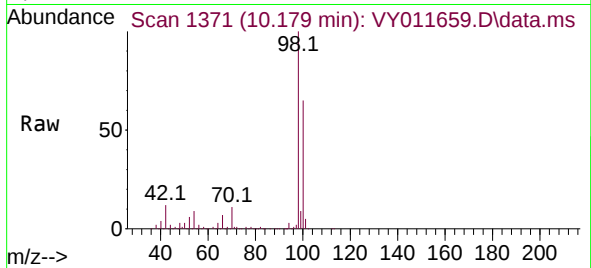




#50
Toluene-d8
Concen: 53.276 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011659.D
Acq: 01 Dec 2022 13:52

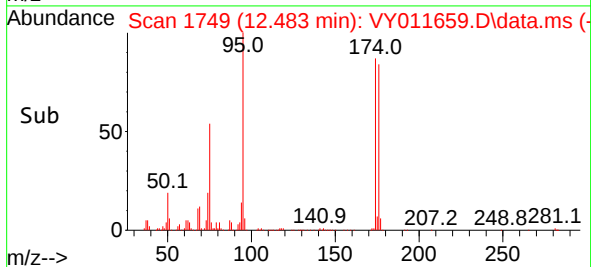
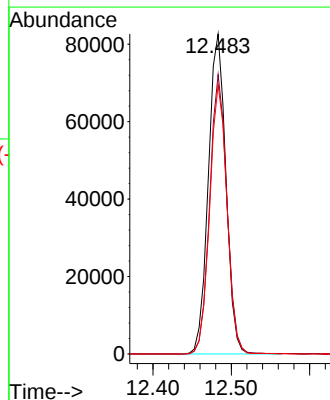
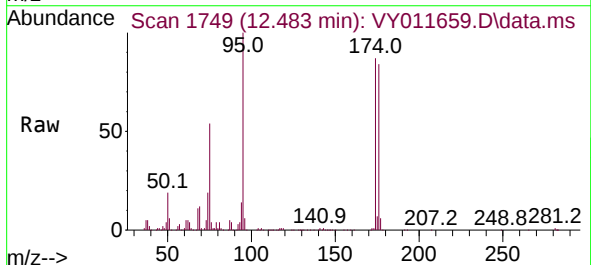
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2

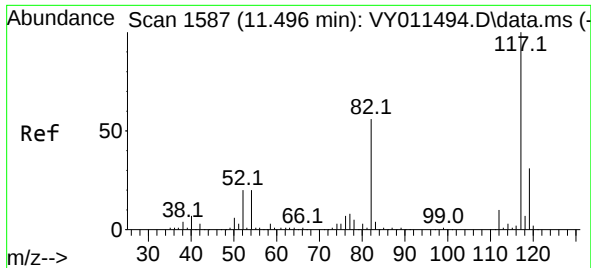
Tgt Ion: 98 Resp: 425047
Ion Ratio Lower Upper
98 100
100 63.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 43.565 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011659.D
Acq: 01 Dec 2022 13:52

Tgt Ion: 95 Resp: 128507
Ion Ratio Lower Upper
95 100
174 85.6 0.0 177.0
176 82.9 0.0 175.8

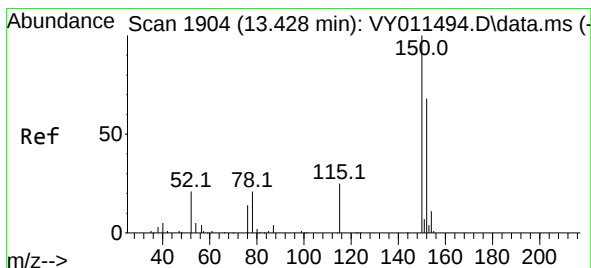
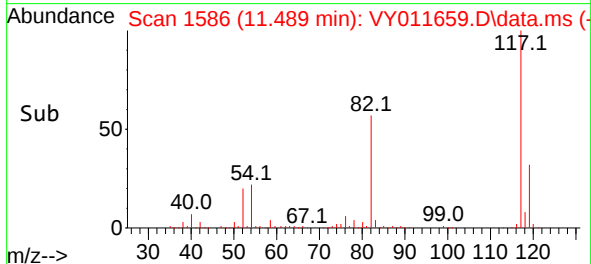
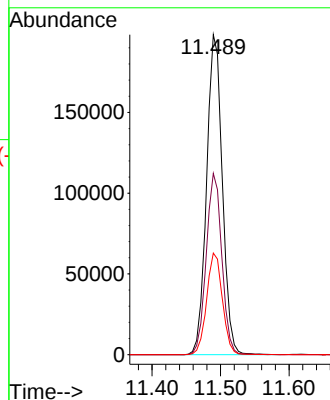
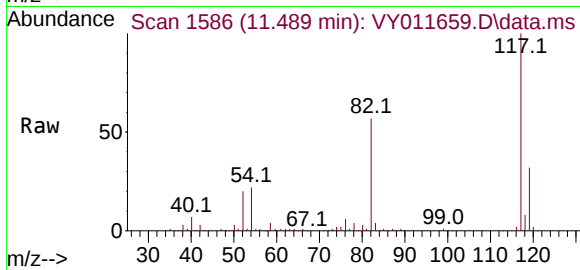




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.007 min
Lab File: VY011659.D
Acq: 01 Dec 2022 13:52

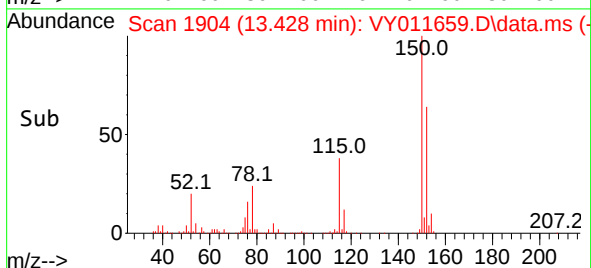
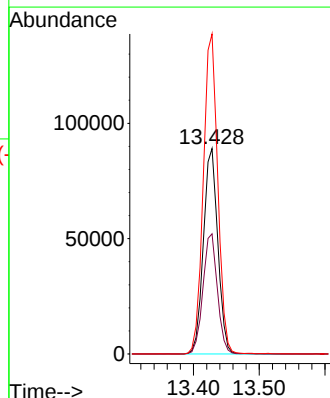
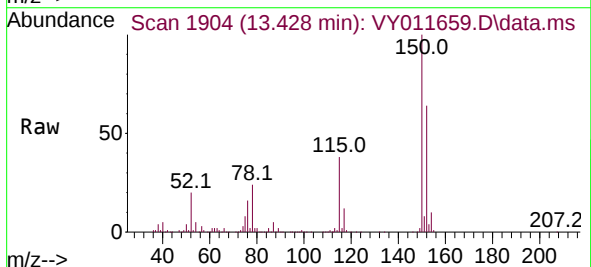
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2

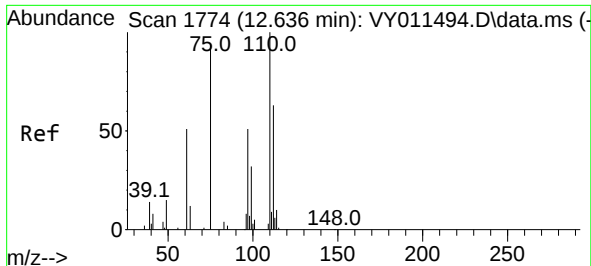
Tgt Ion:117 Resp: 317409
Ion Ratio Lower Upper
117 100
82 56.7 43.0 64.4
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011659.D
Acq: 01 Dec 2022 13:52

Tgt Ion:152 Resp: 135675
Ion Ratio Lower Upper
152 100
115 58.5 28.2 84.7
150 156.2 0.0 347.6

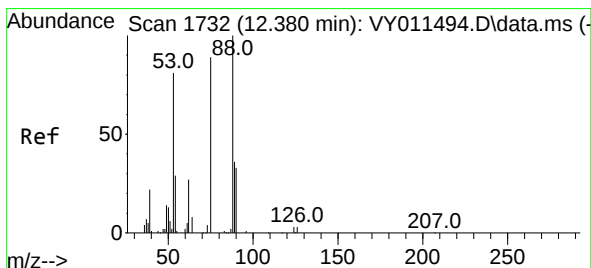
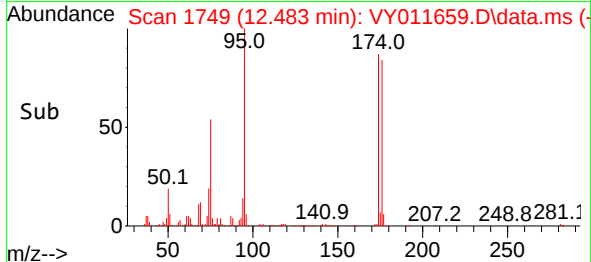
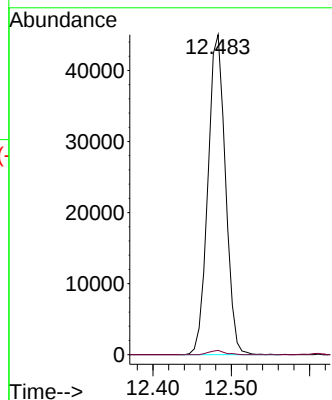
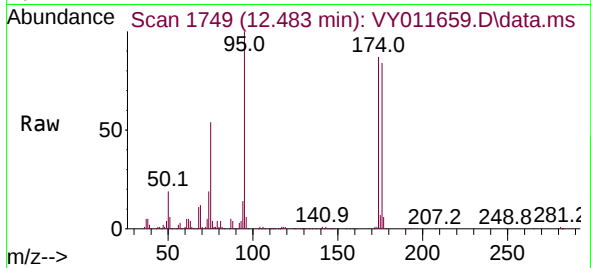




#76
1,2,3-Trichloropropane
Concen: 47.831 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011659.D
Acq: 01 Dec 2022 13:52

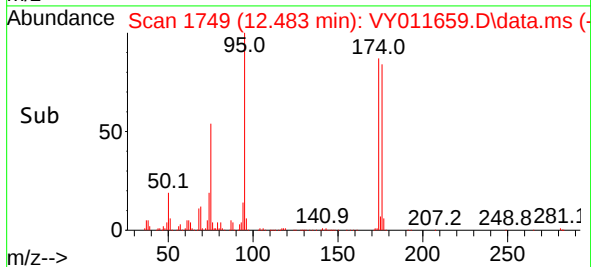
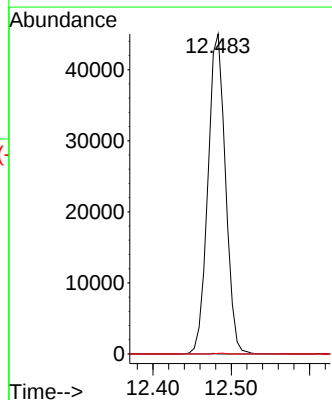
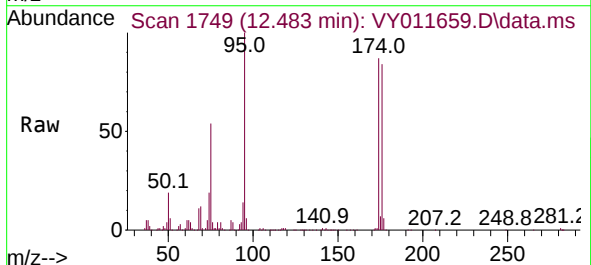
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2

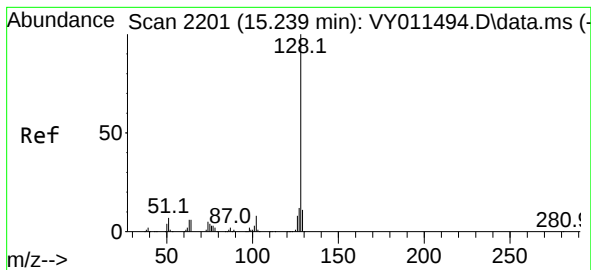
Tgt Ion: 75 Resp: 69887
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.766 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011659.D
Acq: 01 Dec 2022 13:52

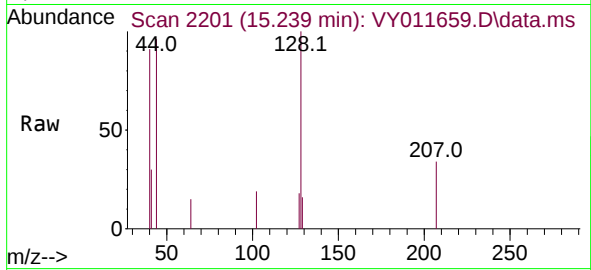
Tgt Ion: 75 Resp: 69887
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#





#95
Naphthalene
Concen: 4.147 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY011659.D
Acq: 01 Dec 2022 13:52

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2



Tgt Ion:128 Resp: 664
Ion Ratio Lower Upper
128 100
127 6.9 11.0 16.4#
129 10.1 8.4 12.6

