

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
 Data File : VY022754.D
 Acq On : 19 Jun 2025 14:49
 Operator : SY/MD
 Sample : Q2367-03
 Misc : 4.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-4-VOC

Quant Time: Jun 20 02:59:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

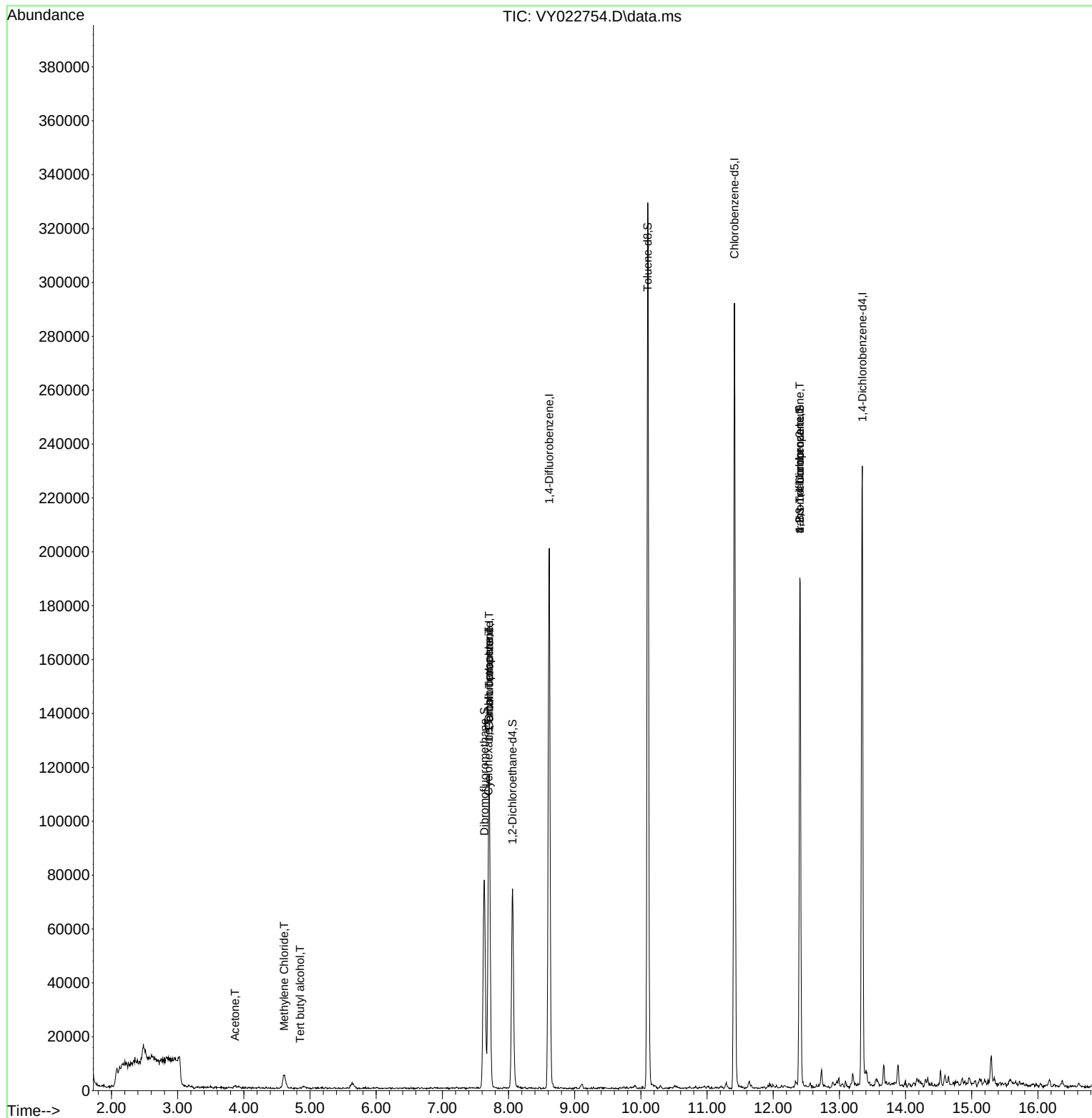
Internal Standards						
1) Pentafluorobenzene	7.707	168	86276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	162567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	142777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	54021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	55198	57.203	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.400%
35) Dibromofluoromethane	7.634	113	53740	55.383	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.760%
50) Toluene-d8	10.103	98	202153	51.560	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.120%
62) 4-Bromofluorobenzene	12.401	95	52694	45.108	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.220%
Target Compounds						Qvalue
11) Tert butyl alcohol	4.848	59	111	1.611	ug/l #	78
16) Acetone	3.866	43	1531	7.813	ug/l	94
20) Methylene Chloride	4.610	84	3205	2.879	ug/l #	86
31) Cyclohexane	7.695	56	2578	1.390	ug/l #	53
36) 1,1-Dichloropropene	7.701	75	8176	5.192	ug/l #	51
38) Carbon Tetrachloride	7.707	117	9259	5.731	ug/l #	19
76) 1,2,3-Trichloropropane	12.401	75	31122	50.358	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	31122	121.610	ug/l #	11

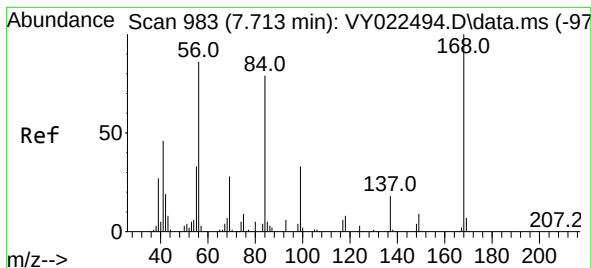
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022754.D

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Instrument :

MSVOA_Y

ClientSampleId :

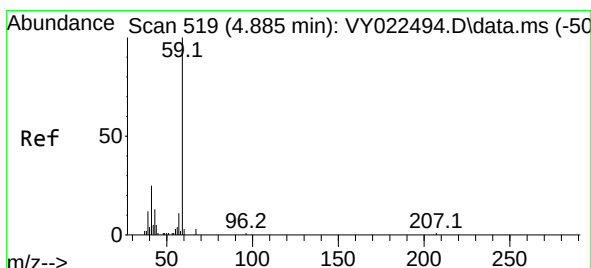
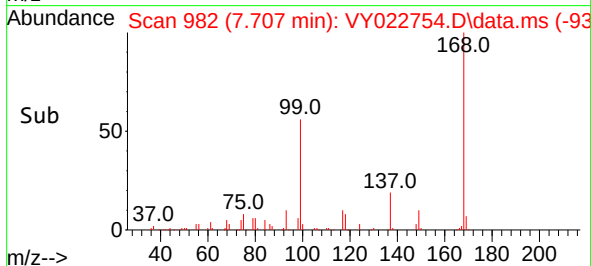
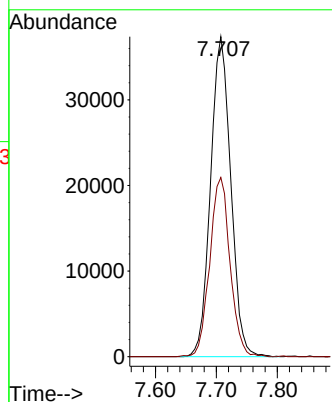
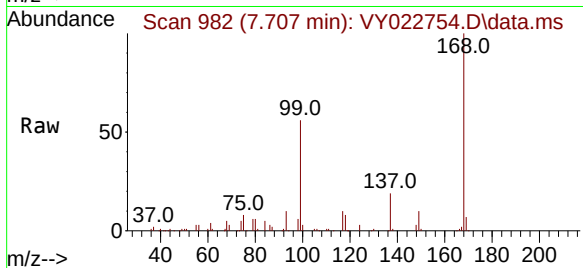
EP-4-VOC

Tgt Ion:168 Resp: 86276

Ion Ratio Lower Upper

168 100

99 55.8 44.3 66.5



#11

Tert butyl alcohol

Concen: 1.611 ug/l

RT: 4.848 min Scan# 513

Delta R.T. -0.037 min

Lab File: VY022754.D

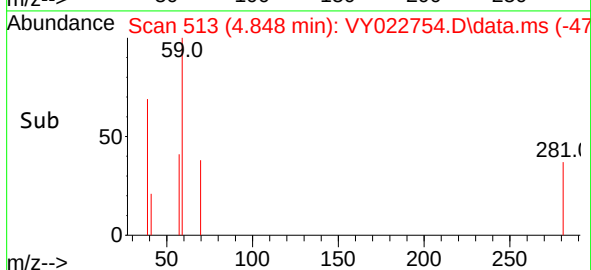
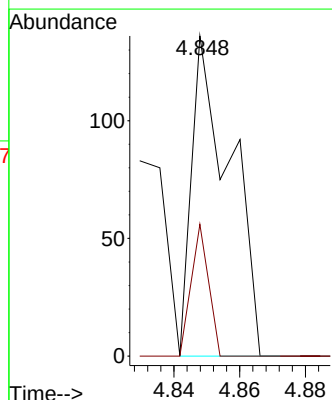
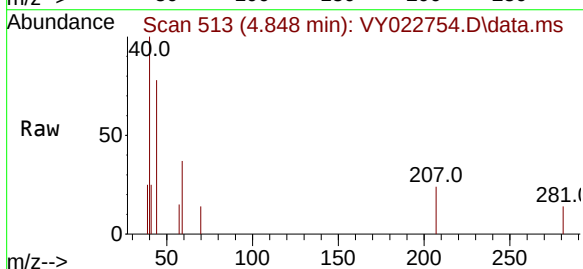
Acq: 19 Jun 2025 14:49

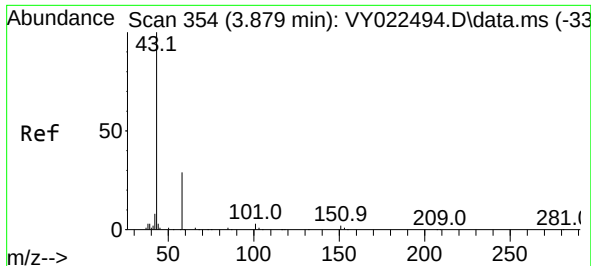
Tgt Ion: 59 Resp: 111

Ion Ratio Lower Upper

59 100

57 18.0 8.0 12.0#

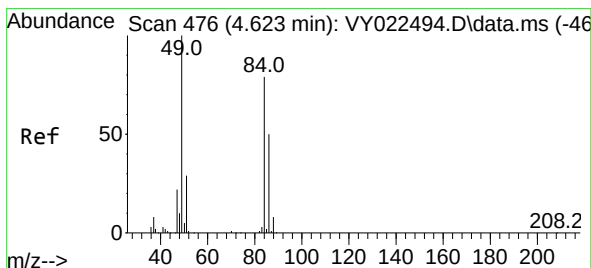
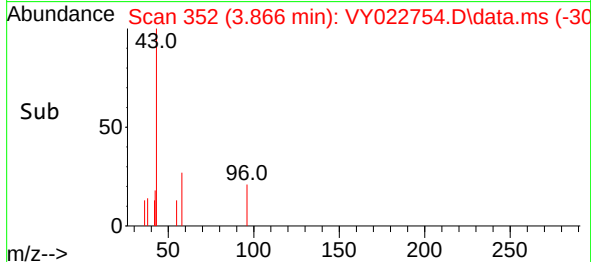
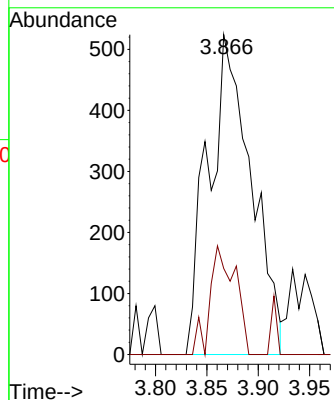
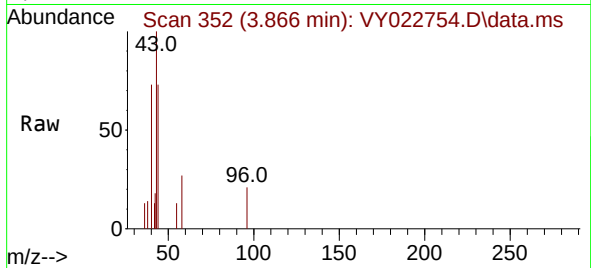




#16
Acetone
Concen: 7.813 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY022754.D
Acq: 19 Jun 2025 14:49

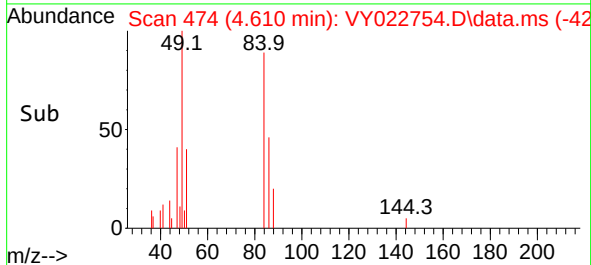
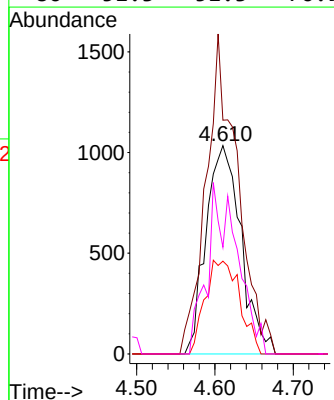
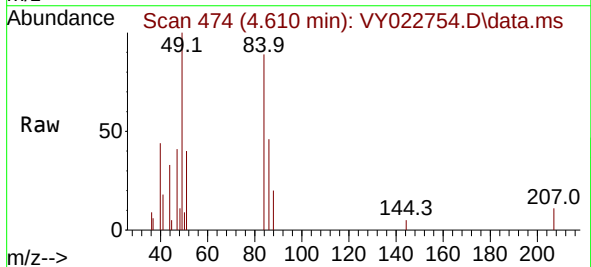
Instrument :
MSVOA_Y
ClientSampleId :
EP-4-VOC

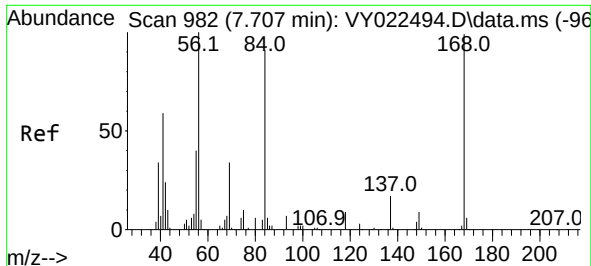
Tgt Ion: 43 Resp: 1531
Ion Ratio Lower Upper
43 100
58 26.9 24.0 36.0



#20
Methylene Chloride
Concen: 2.879 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022754.D
Acq: 19 Jun 2025 14:49

Tgt Ion: 84 Resp: 3205
Ion Ratio Lower Upper
84 100
49 112.3 101.9 152.9
51 44.6 29.8 44.8
86 51.3 51.3 76.9#

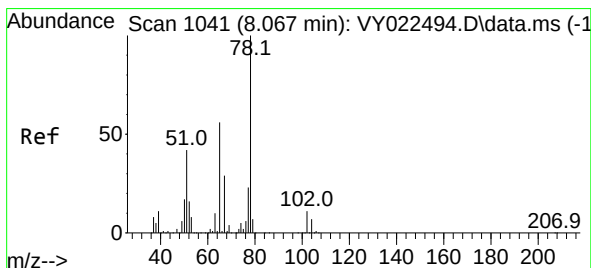
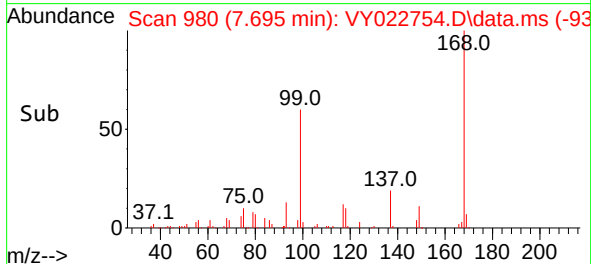
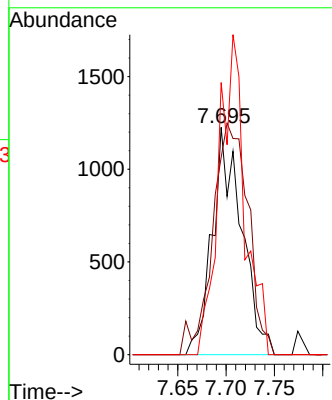
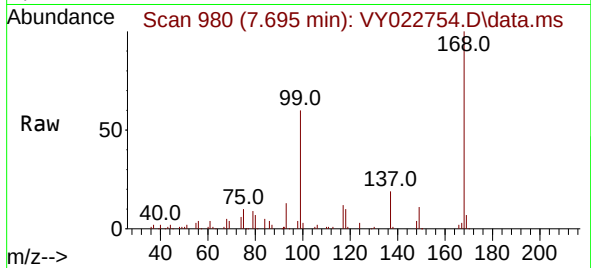




#31
Cyclohexane
Concen: 1.390 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022754.D
Acq: 19 Jun 2025 14:49

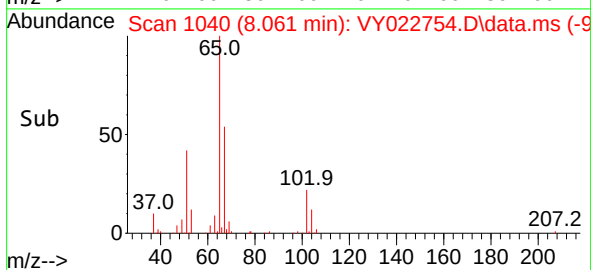
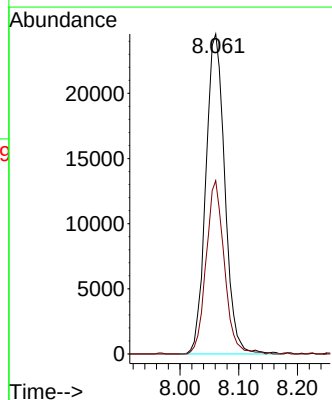
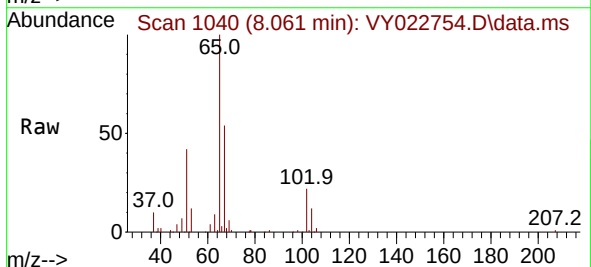
Instrument :
MSVOA_Y
ClientSampleId :
EP-4-VOC

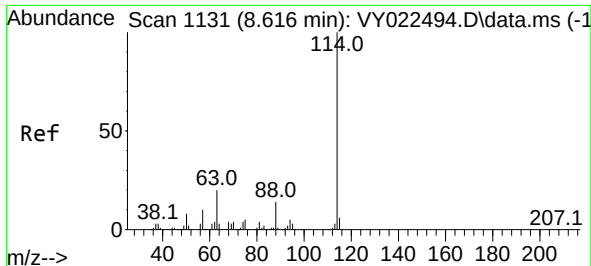
Tgt Ion: 56 Resp: 2578
Ion Ratio Lower Upper
56 100
69 86.8 27.0 40.6#
84 119.7 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 57.203 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022754.D
Acq: 19 Jun 2025 14:49

Tgt Ion: 65 Resp: 55198
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.4

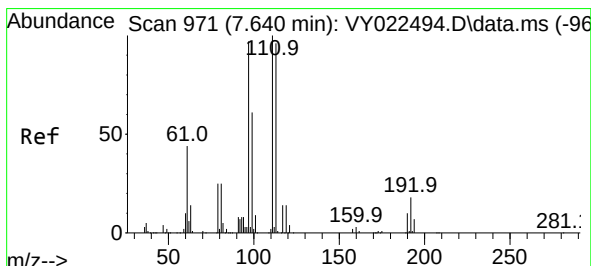
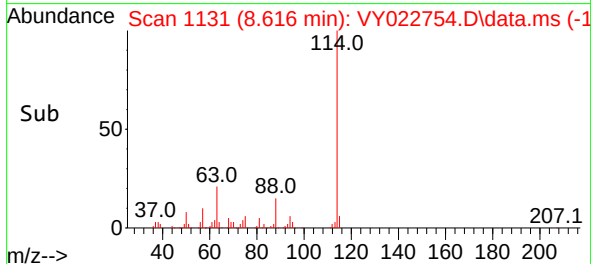
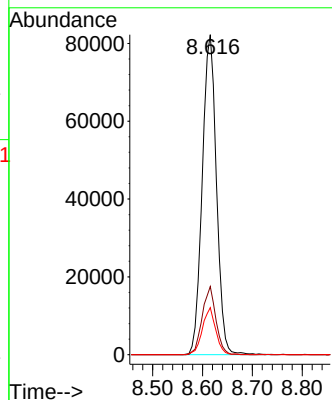
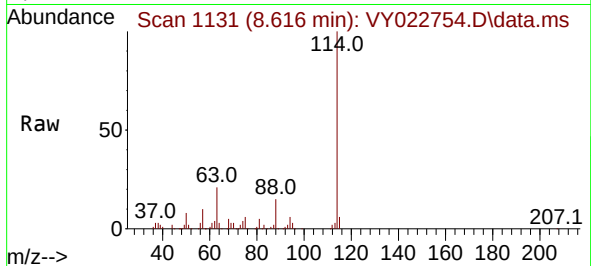




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022754.D
Acq: 19 Jun 2025 14:49

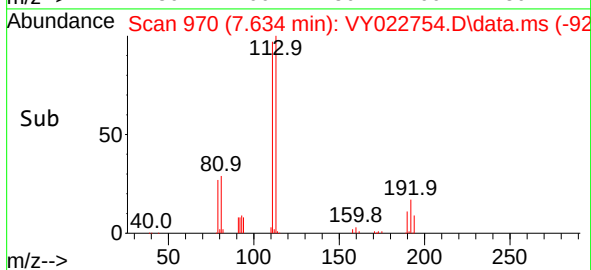
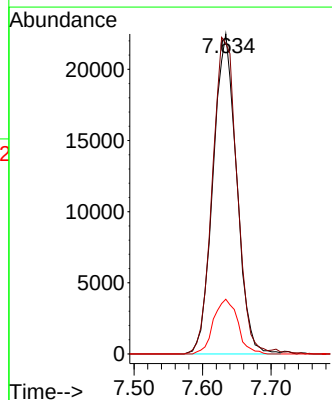
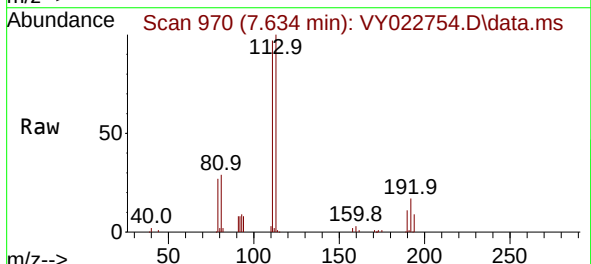
Instrument :
MSVOA_Y
ClientSampleId :
EP-4-VOC

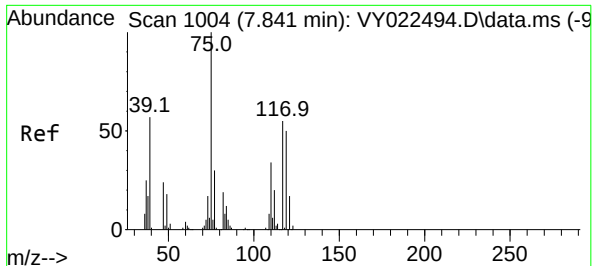
Tgt Ion:114 Resp: 162567
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 14.7 0.0 27.8



#35
Dibromofluoromethane
Concen: 55.383 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022754.D
Acq: 19 Jun 2025 14:49

Tgt Ion:113 Resp: 53740
Ion Ratio Lower Upper
113 100
111 103.6 81.1 121.7
192 17.6 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.192 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY022754.D

Acq: 19 Jun 2025 14:49

Instrument :

MSVOA_Y

ClientSampleId :

EP-4-VOC

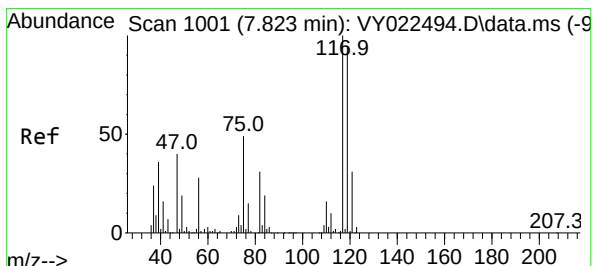
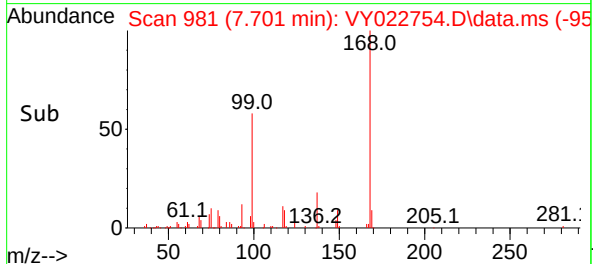
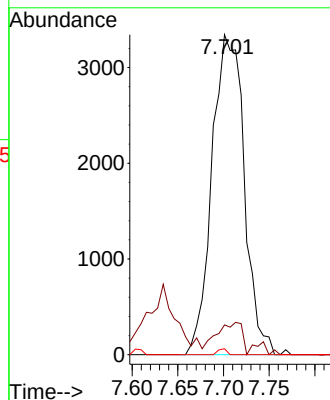
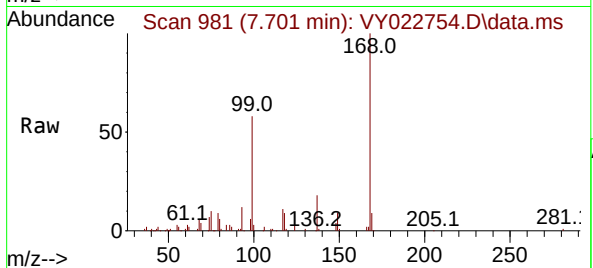
Tgt Ion: 75 Resp: 8176

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.7#

77 0.5 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.731 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022754.D

Acq: 19 Jun 2025 14:49

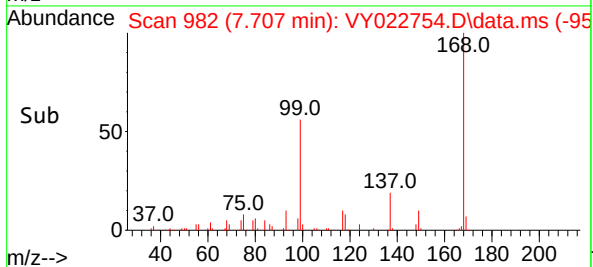
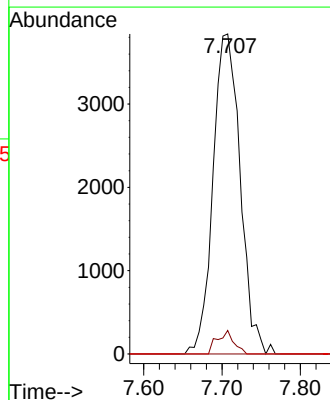
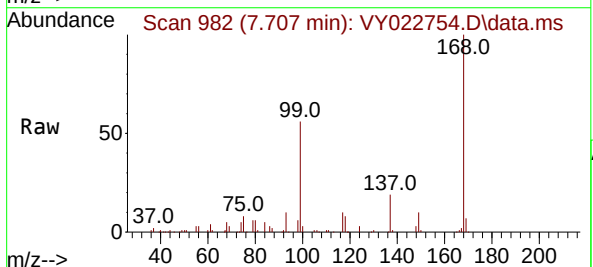
Tgt Ion: 117 Resp: 9259

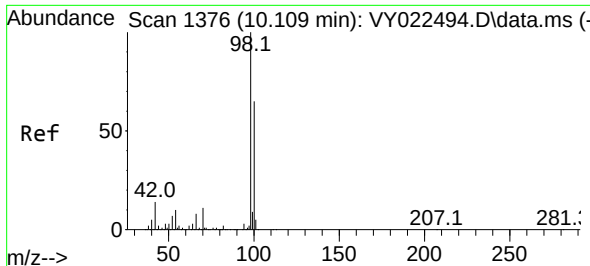
Ion Ratio Lower Upper

117 100

119 7.3 75.0 112.6#

121 0.0 25.0 37.4#

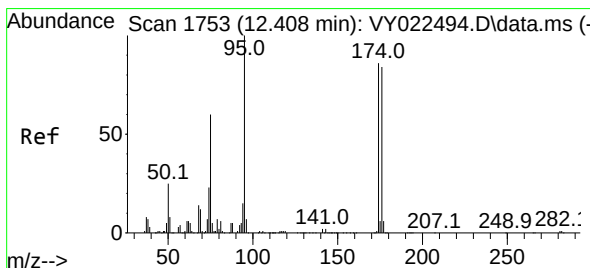
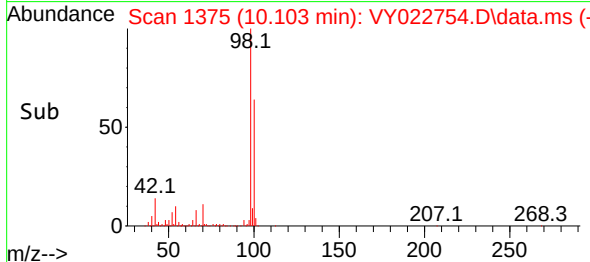
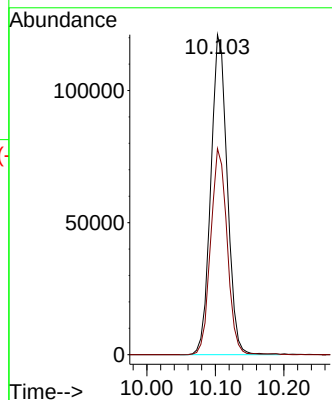
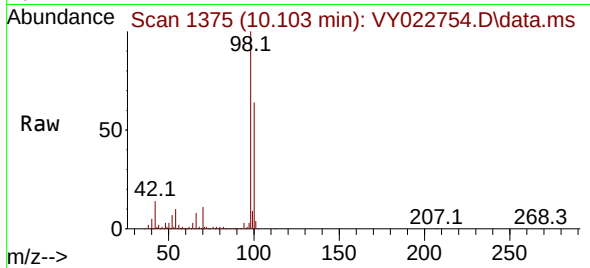




#50
Toluene-d8
Concen: 51.560 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022754.D
Acq: 19 Jun 2025 14:49

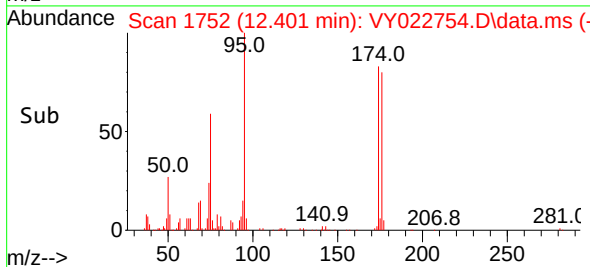
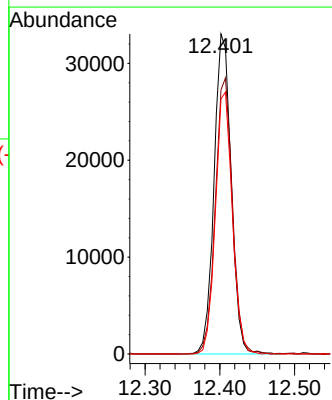
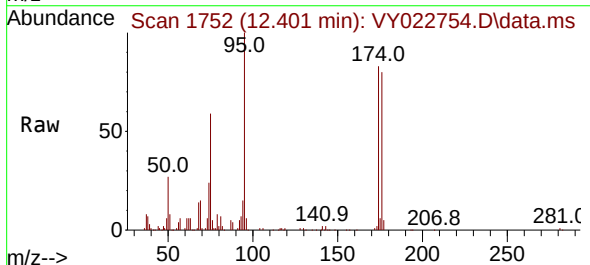
Instrument :
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EP-4-VOC

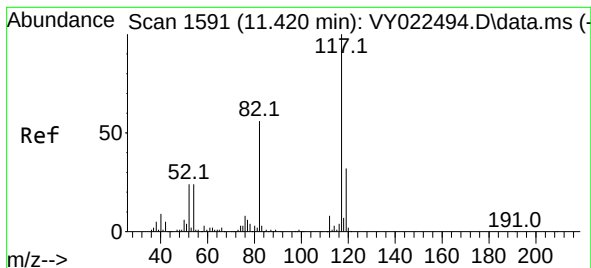
Tgt Ion: 98 Resp: 202153
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 45.108 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022754.D
Acq: 19 Jun 2025 14:49

Tgt Ion: 95 Resp: 52694
Ion Ratio Lower Upper
95 100
174 86.8 0.0 170.0
176 80.9 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022754.D

Acq: 19 Jun 2025 14:49

Instrument :

MSVOA_Y

ClientSampleId :

EP-4-VOC

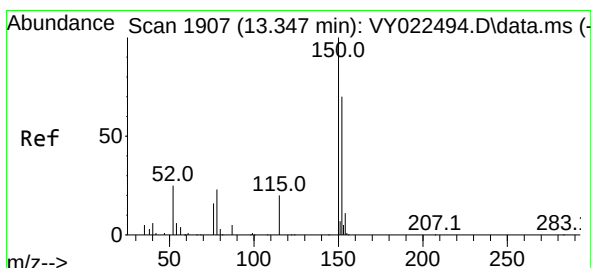
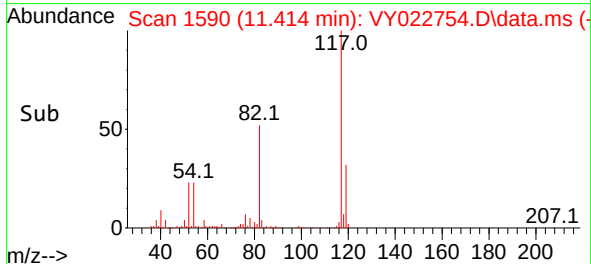
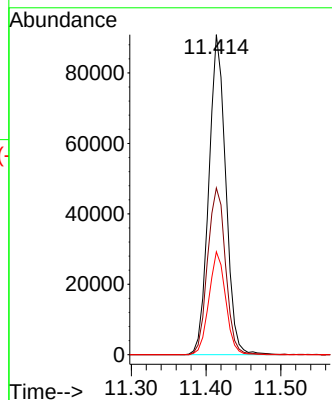
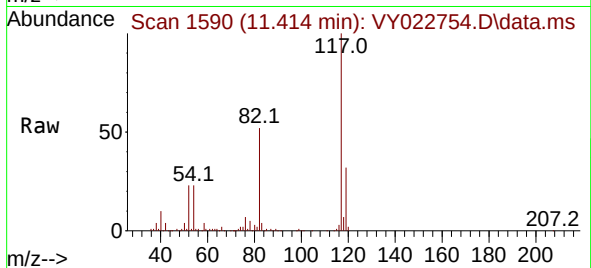
Tgt Ion:117 Resp: 142777

Ion Ratio Lower Upper

117 100

82 52.1 44.6 66.8

119 32.2 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022754.D

Acq: 19 Jun 2025 14:49

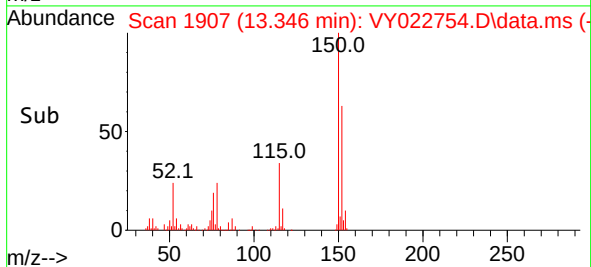
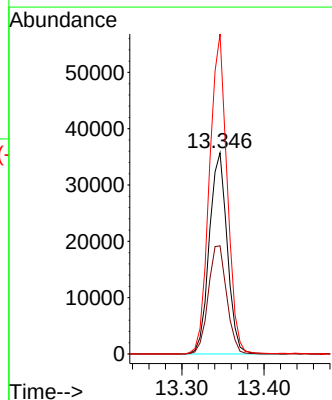
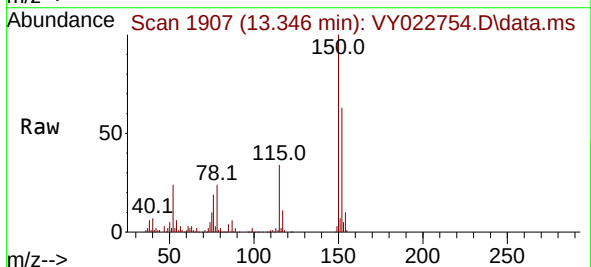
Tgt Ion:152 Resp: 54021

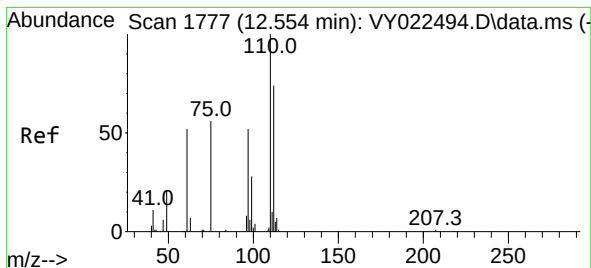
Ion Ratio Lower Upper

152 100

115 55.4 28.9 86.7

150 157.0 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 50.358 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022754.D

Acq: 19 Jun 2025 14:49

Instrument :

MSVOA_Y

ClientSampleId :

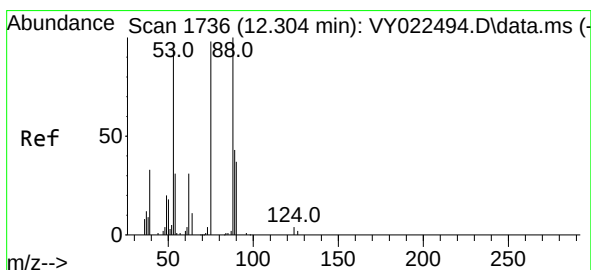
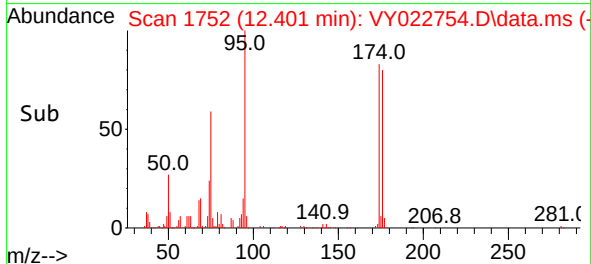
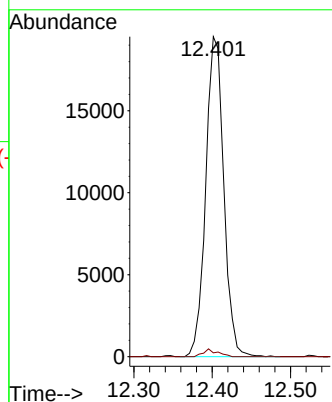
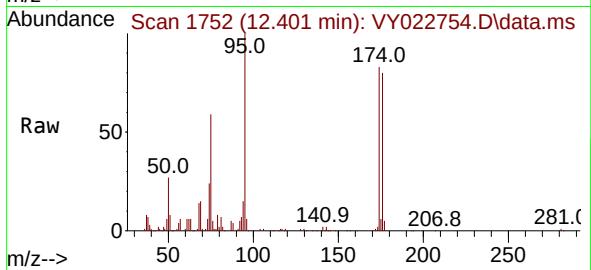
EP-4-VOC

Tgt Ion: 75 Resp: 31122

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.610 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY022754.D

Acq: 19 Jun 2025 14:49

Tgt Ion: 75 Resp: 31122

Ion Ratio Lower Upper

75 100

53 0.3 78.5 117.7#

89 0.1 35.7 53.5#

