

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
 Data File : VY022751.D
 Acq On : 19 Jun 2025 13:25
 Operator : SY/MD
 Sample : Q2362-07
 Misc : 3.36g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-6-VOC

Quant Time: Jun 20 02:58:43 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)

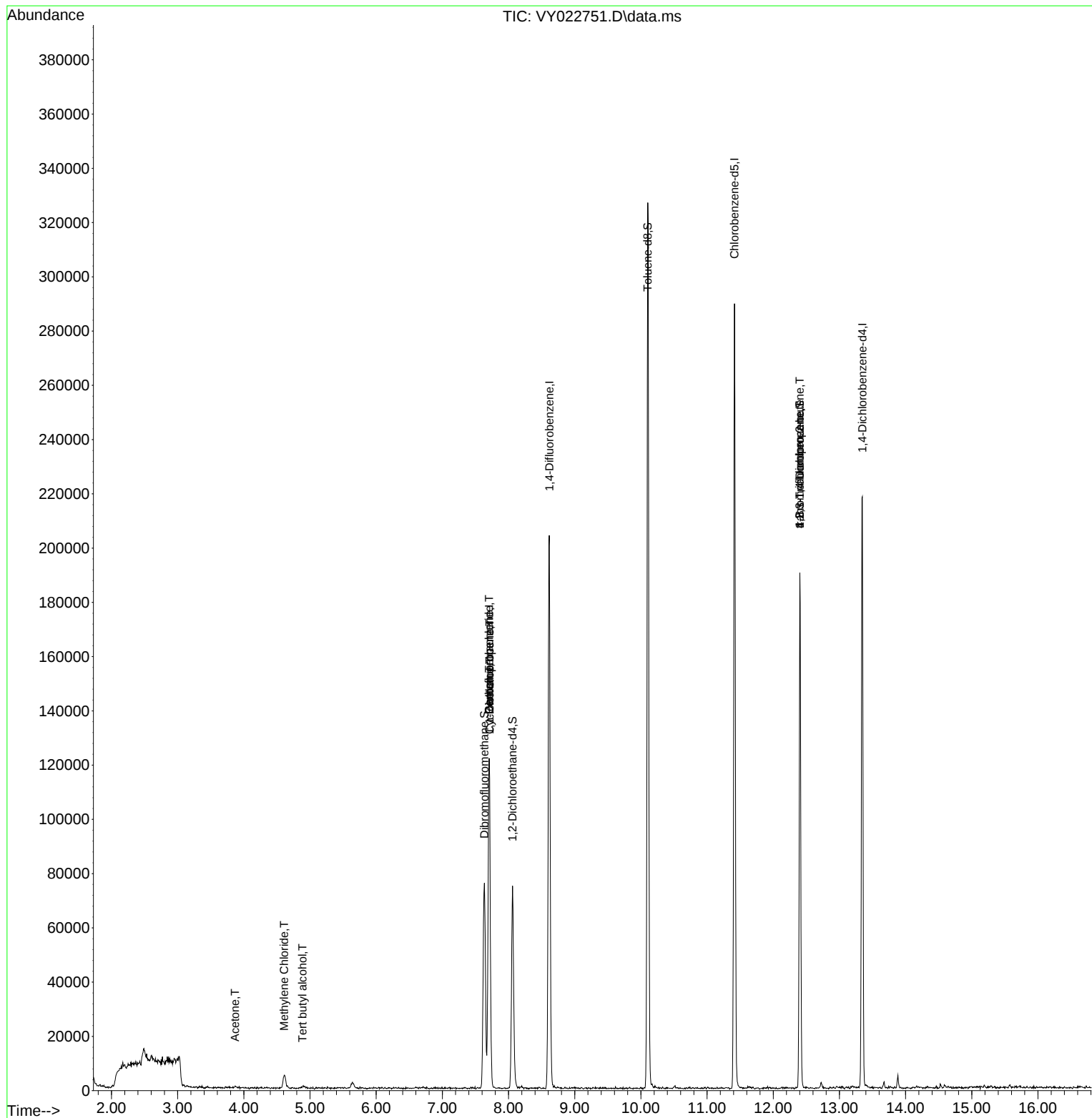
Internal Standards						
1) Pentafluorobenzene	7.707	168	90441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	169103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	141679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	51236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	54809	54.184	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.360%	
35) Dibromofluoromethane	7.634	113	54128	53.627	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.260%	
50) Toluene-d8	10.103	98	207848	50.963	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.920%	
62) 4-Bromofluorobenzene	12.402	95	52710	43.377	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.760%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.885	59	254	3.516	ug/l #	73
16) Acetone	3.866	43	1009	4.912	ug/l	95
20) Methylene Chloride	4.610	84	3307	2.834	ug/l #	83
31) Cyclohexane	7.713	56	2529	1.301	ug/l #	60
36) 1,1-Dichloropropene	7.713	75	8249	5.036	ug/l #	46
38) Carbon Tetrachloride	7.707	117	9575	5.698	ug/l #	15
76) 1,2,3-Trichloropropane	12.402	75	30604	52.211	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	30604	126.087	ug/l #	11

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

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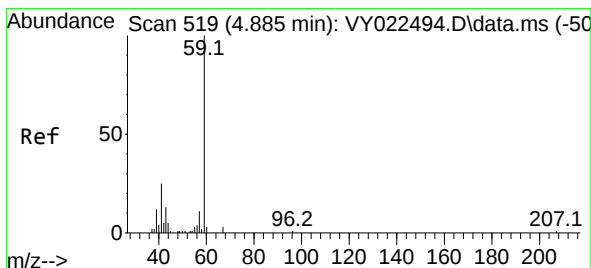
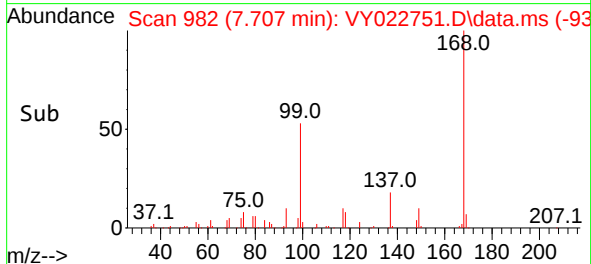
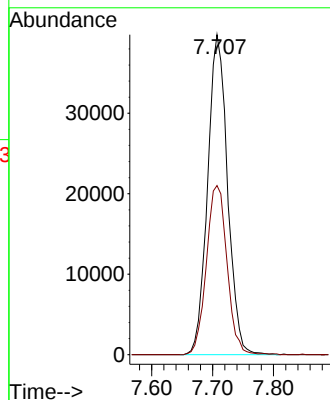
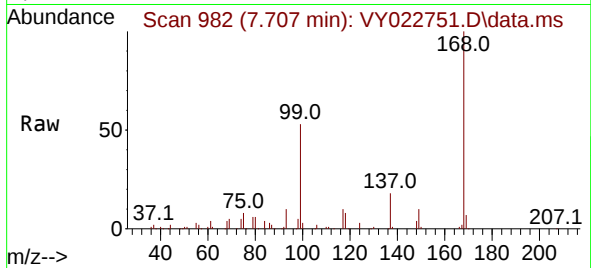




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022751.D
Acq: 19 Jun 2025 13:25

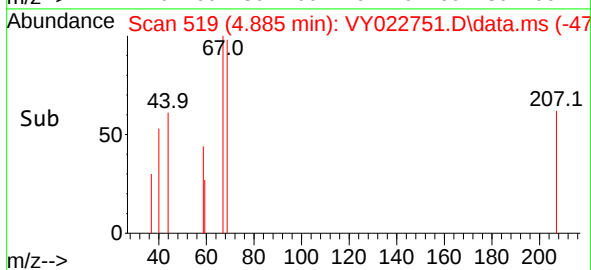
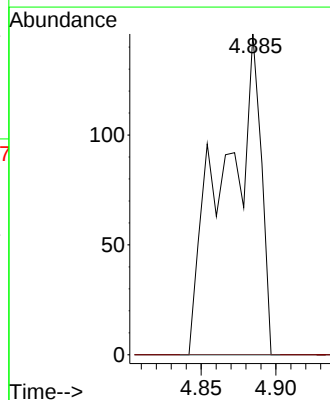
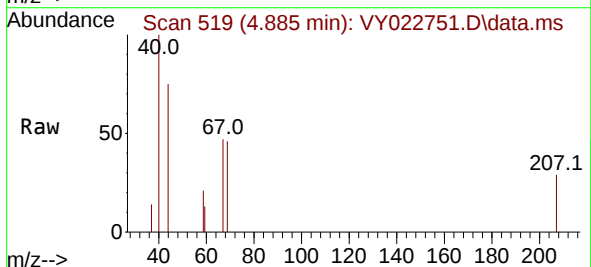
Instrument :
MSVOA_Y
ClientSampleId :
EP-6-VOC

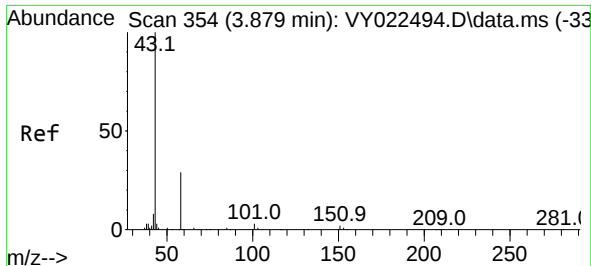
Tgt Ion:168 Resp: 90441
Ion Ratio Lower Upper
168 100
99 52.9 44.3 66.5



#11
Tert butyl alcohol
Concen: 3.516 ug/l
RT: 4.885 min Scan# 519
Delta R.T. -0.000 min
Lab File: VY022751.D
Acq: 19 Jun 2025 13:25

Tgt Ion: 59 Resp: 254
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

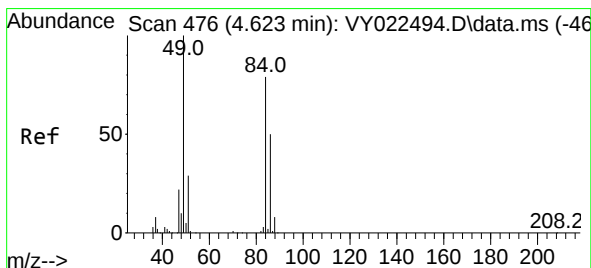
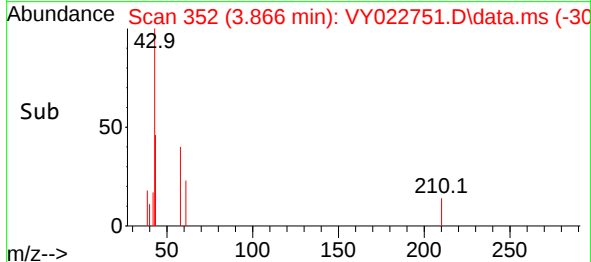
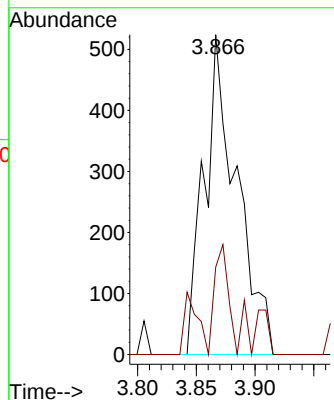
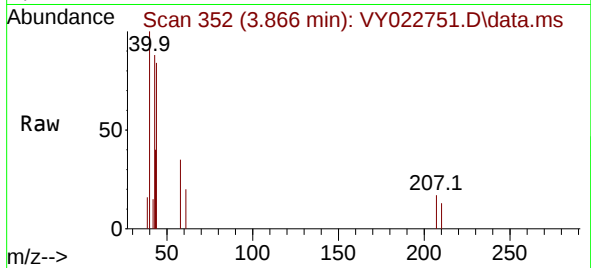




#16
Acetone
Concen: 4.912 ug/l
RT: 3.866 min Scan# 311
Delta R.T. -0.012 min
Lab File: VY022751.D
Acq: 19 Jun 2025 13:25

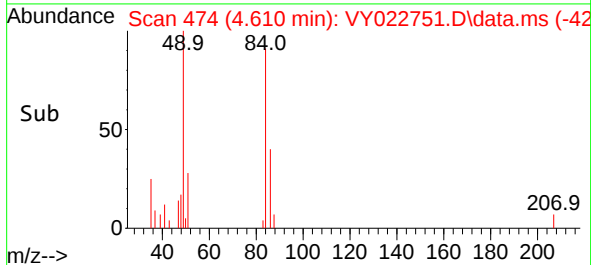
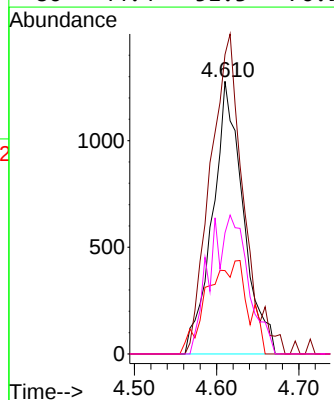
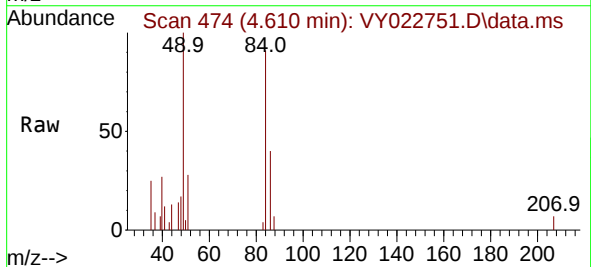
Instrument :
MSVOA_Y
ClientSampleId :
EP-6-VOC

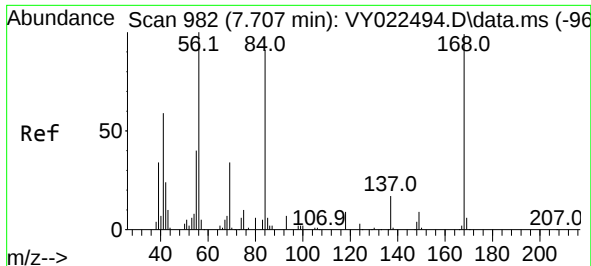
Tgt Ion: 43 Resp: 1009
Ion Ratio Lower Upper
43 100
58 27.3 24.0 36.0



#20
Methylene Chloride
Concen: 2.834 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022751.D
Acq: 19 Jun 2025 13:25

Tgt Ion: 84 Resp: 3307
Ion Ratio Lower Upper
84 100
49 109.8 101.9 152.9
51 30.6 29.8 44.8
86 44.4 51.3 76.9#

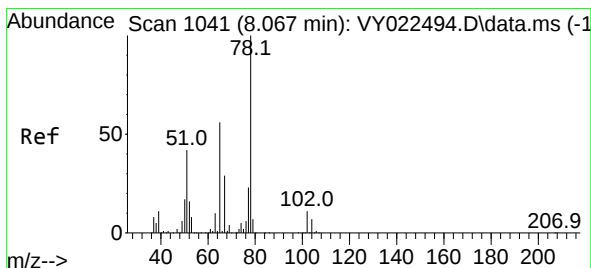
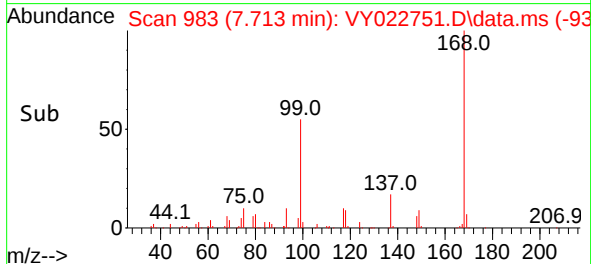
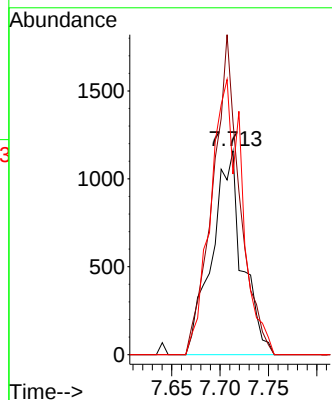
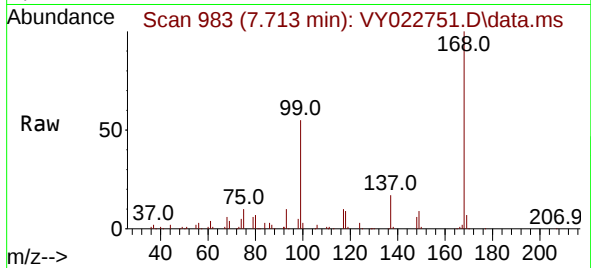




#31
Cyclohexane
Concen: 1.301 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022751.D
Acq: 19 Jun 2025 13:25

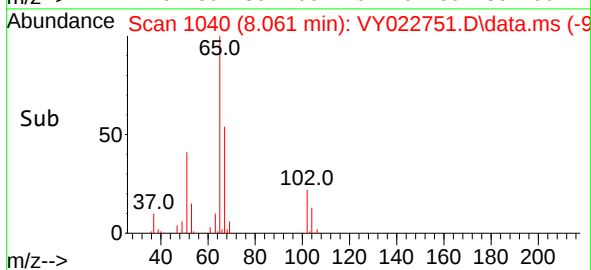
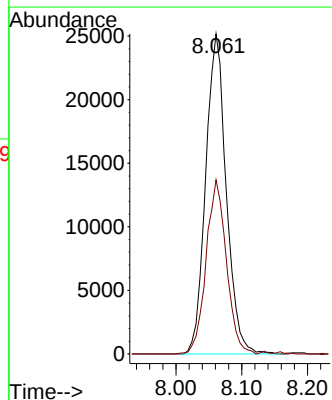
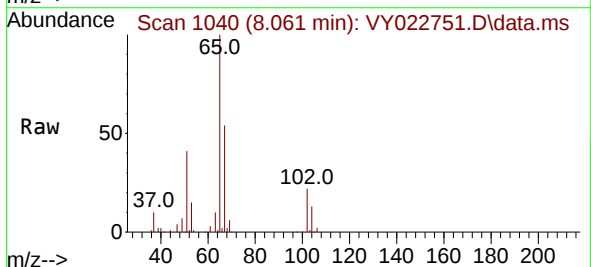
Instrument :
MSVOA_Y
ClientSampleId :
EP-6-VOC

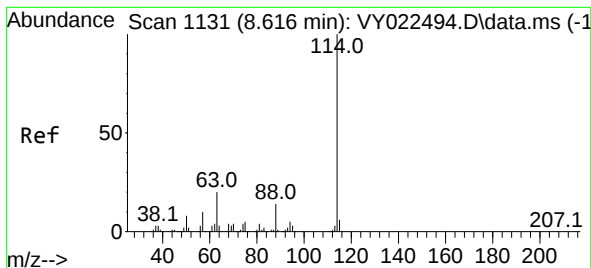
Tgt Ion: 56 Resp: 2529
Ion Ratio Lower Upper
56 100
69 114.3 27.0 40.6#
84 88.6 72.6 109.0



#33
1,2-Dichloroethane-d4
Concen: 54.184 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022751.D
Acq: 19 Jun 2025 13:25

Tgt Ion: 65 Resp: 54809
Ion Ratio Lower Upper
65 100
67 53.6 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: VY022751.D

Acq: 19 Jun 2025 13:25

Instrument :

MSVOA_Y

ClientSampleId :

EP-6-VOC

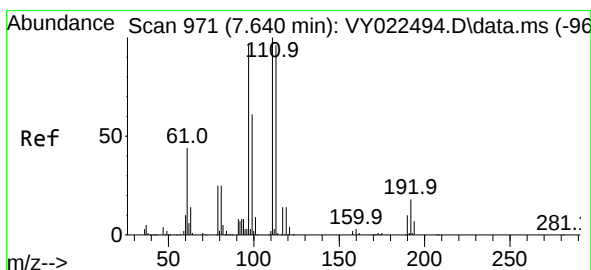
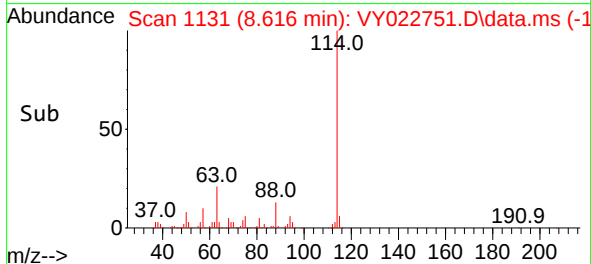
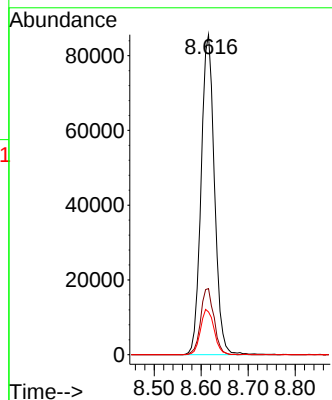
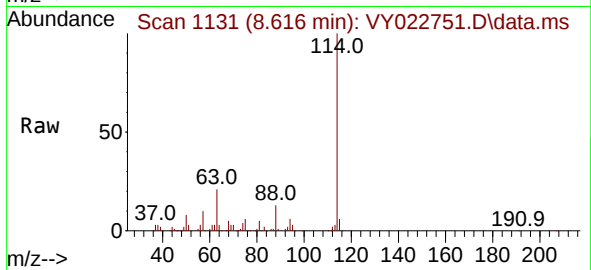
Tgt Ion:114 Resp: 169103

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 13.3 0.0 27.8



#35

Dibromofluoromethane

Concen: 53.627 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022751.D

Acq: 19 Jun 2025 13:25

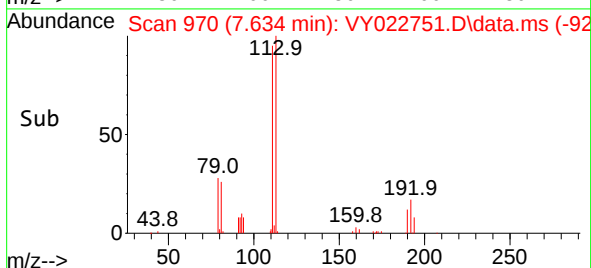
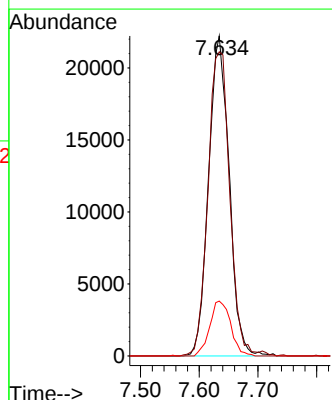
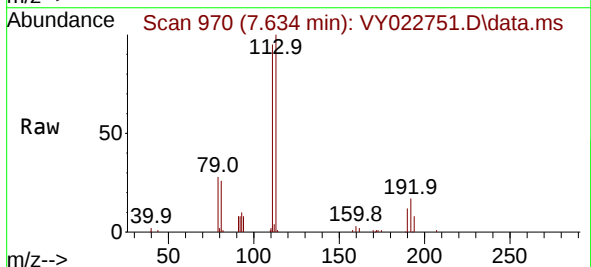
Tgt Ion:113 Resp: 54128

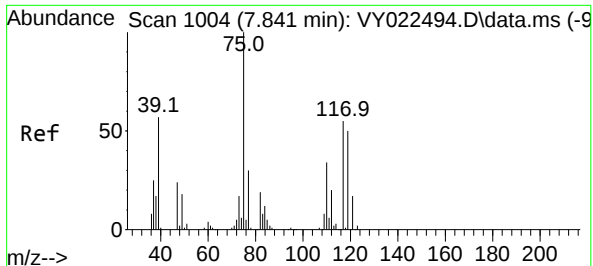
Ion Ratio Lower Upper

113 100

111 100.7 81.1 121.7

192 17.4 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.036 ug/l

RT: 7.713 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY022751.D

Acq: 19 Jun 2025 13:25

Instrument :

MSVOA_Y

ClientSampleId :

EP-6-VOC

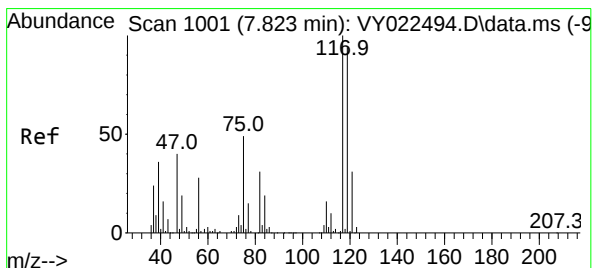
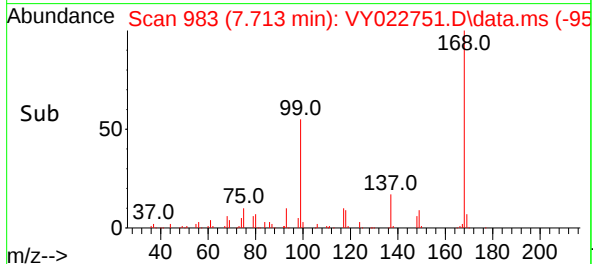
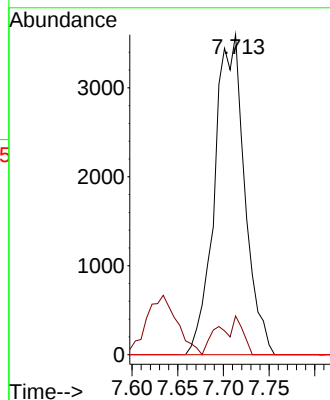
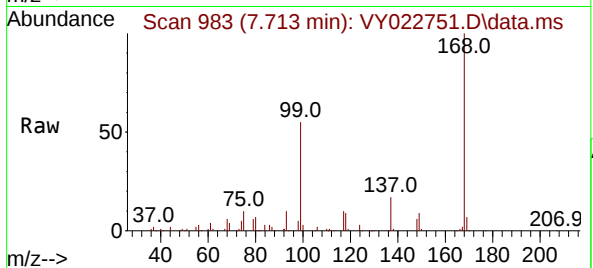
Tgt Ion: 75 Resp: 8249

Ion Ratio Lower Upper

75 100

110 4.0 16.9 50.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.698 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022751.D

Acq: 19 Jun 2025 13:25

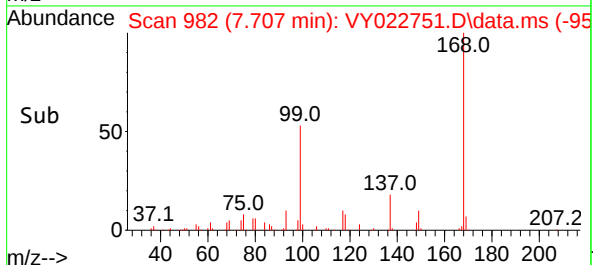
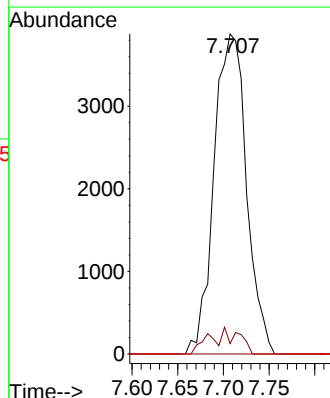
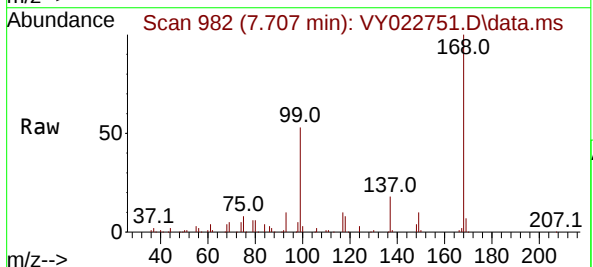
Tgt Ion: 117 Resp: 9575

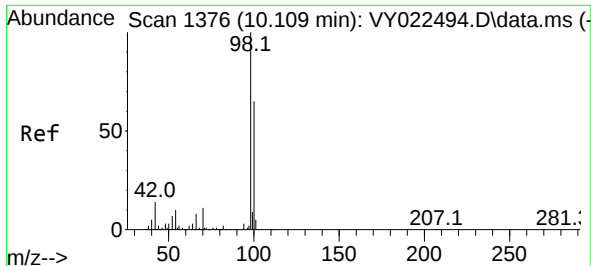
Ion Ratio Lower Upper

117 100

119 3.3 75.0 112.6#

121 0.0 25.0 37.4#

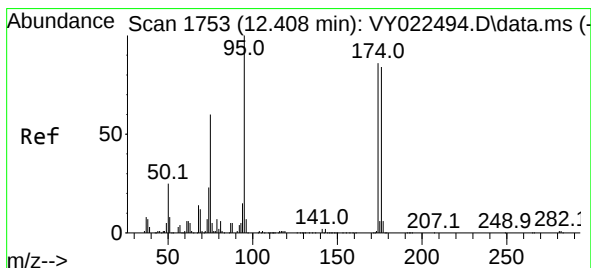
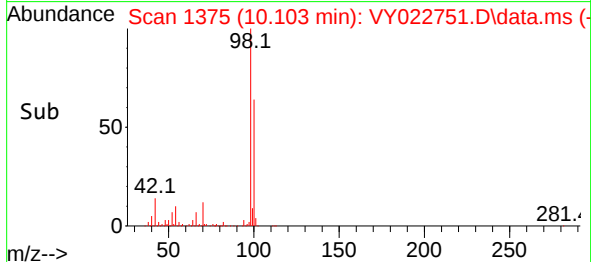
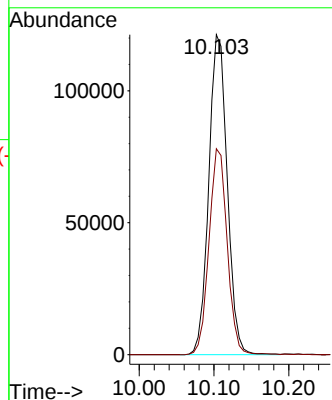
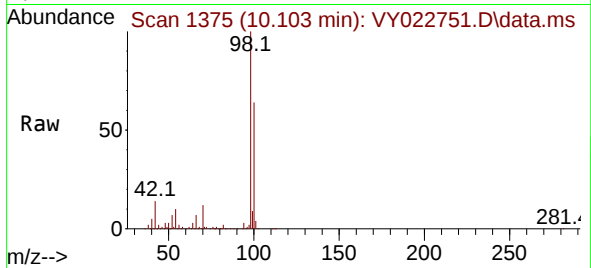




#50
Toluene-d8
Concen: 50.963 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022751.D
Acq: 19 Jun 2025 13:25

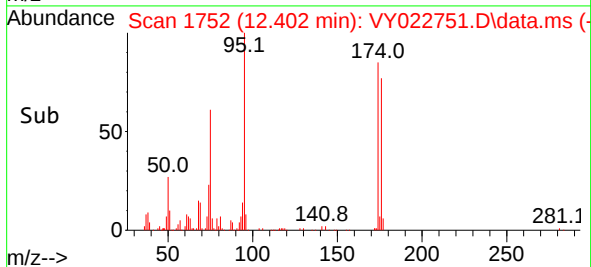
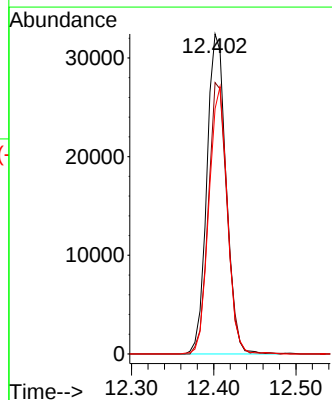
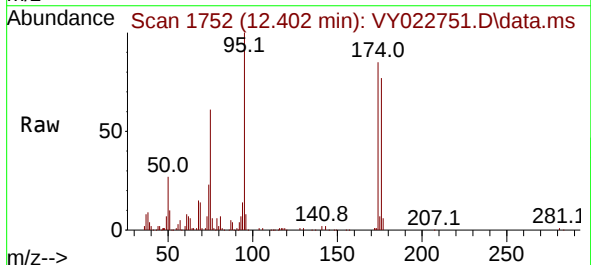
Instrument :
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EP-6-VOC

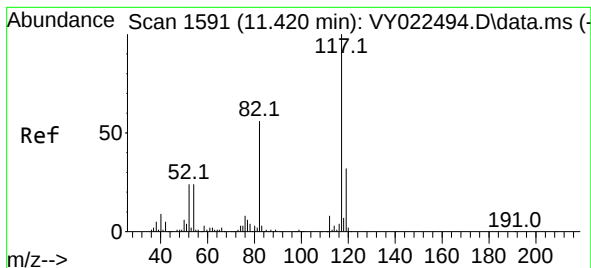
Tgt Ion: 98 Resp: 207848
Ion Ratio Lower Upper
98 100
100 63.5 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 43.377 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022751.D
Acq: 19 Jun 2025 13:25

Tgt Ion: 95 Resp: 52710
Ion Ratio Lower Upper
95 100
174 82.8 0.0 170.0
176 80.0 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: VY022751.D

Acq: 19 Jun 2025 13:25

Instrument :

MSVOA_Y

ClientSampleId :

EP-6-VOC

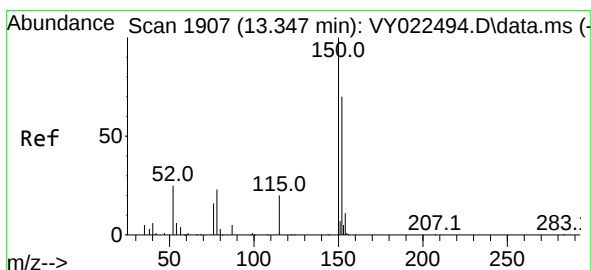
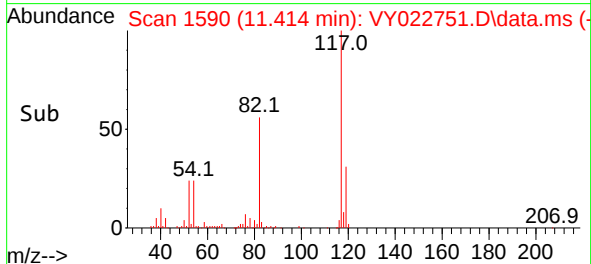
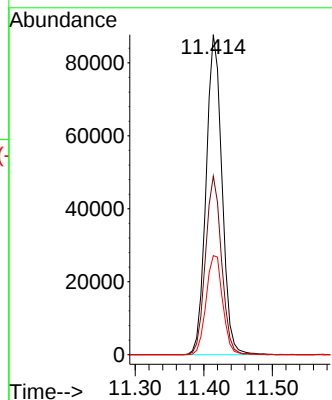
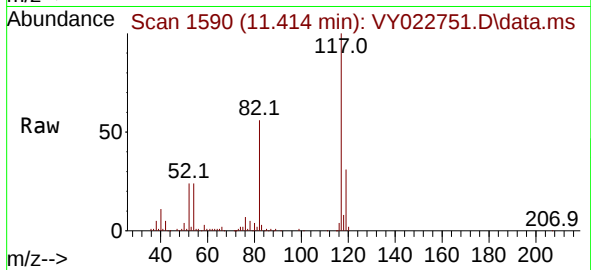
Tgt Ion:117 Resp: 141679

Ion Ratio Lower Upper

117 100

82 55.8 44.6 66.8

119 31.0 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: VY022751.D

Acq: 19 Jun 2025 13:25

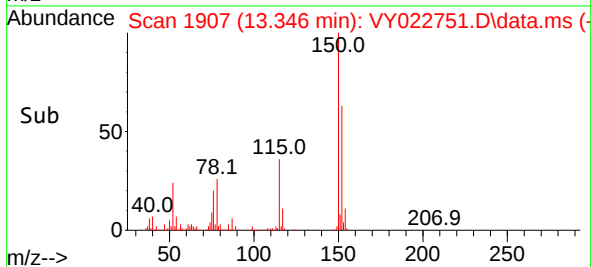
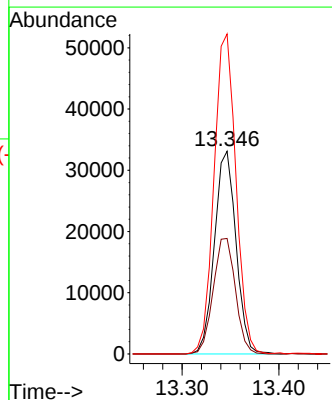
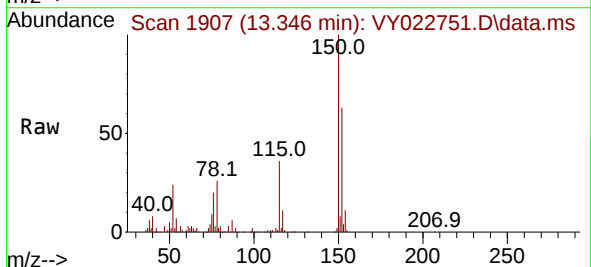
Tgt Ion:152 Resp: 51236

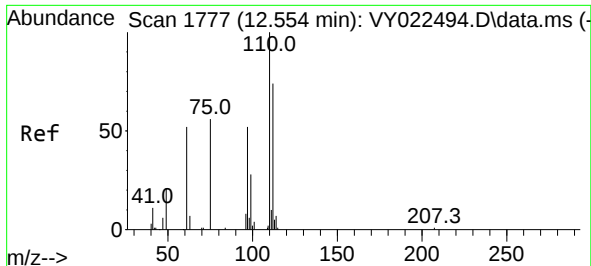
Ion Ratio Lower Upper

152 100

115 58.7 28.9 86.7

150 160.1 0.0 349.6

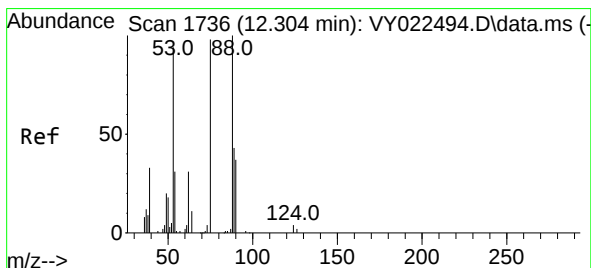
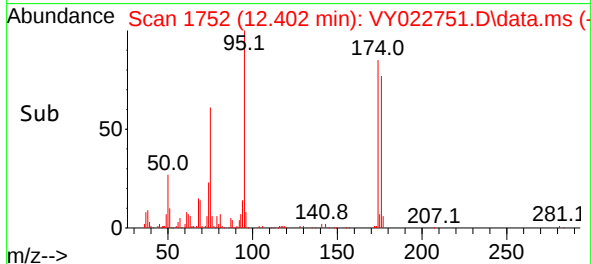
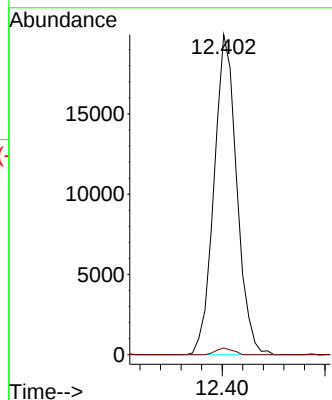
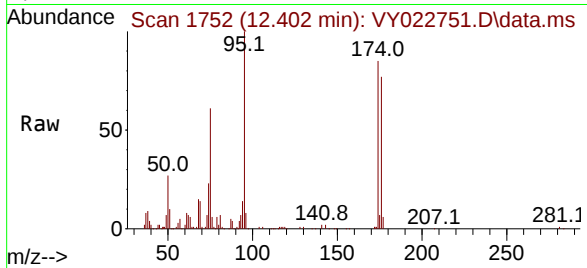




#76
1,2,3-Trichloropropane
Concen: 52.211 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022751.D
Acq: 19 Jun 2025 13:25

Instrument :
MSVOA_Y
ClientSampleId :
EP-6-VOC

Tgt Ion: 75 Resp: 30604
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.087 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022751.D
Acq: 19 Jun 2025 13:25

Tgt Ion: 75 Resp: 30604
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.4 35.7 53.5#

