

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
 Data File : VY022755.D
 Acq On : 19 Jun 2025 15:12
 Operator : SY/MD
 Sample : Q2367-07
 Misc : 4.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-5-VOV

Quant Time: Jun 20 03:00:13 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)

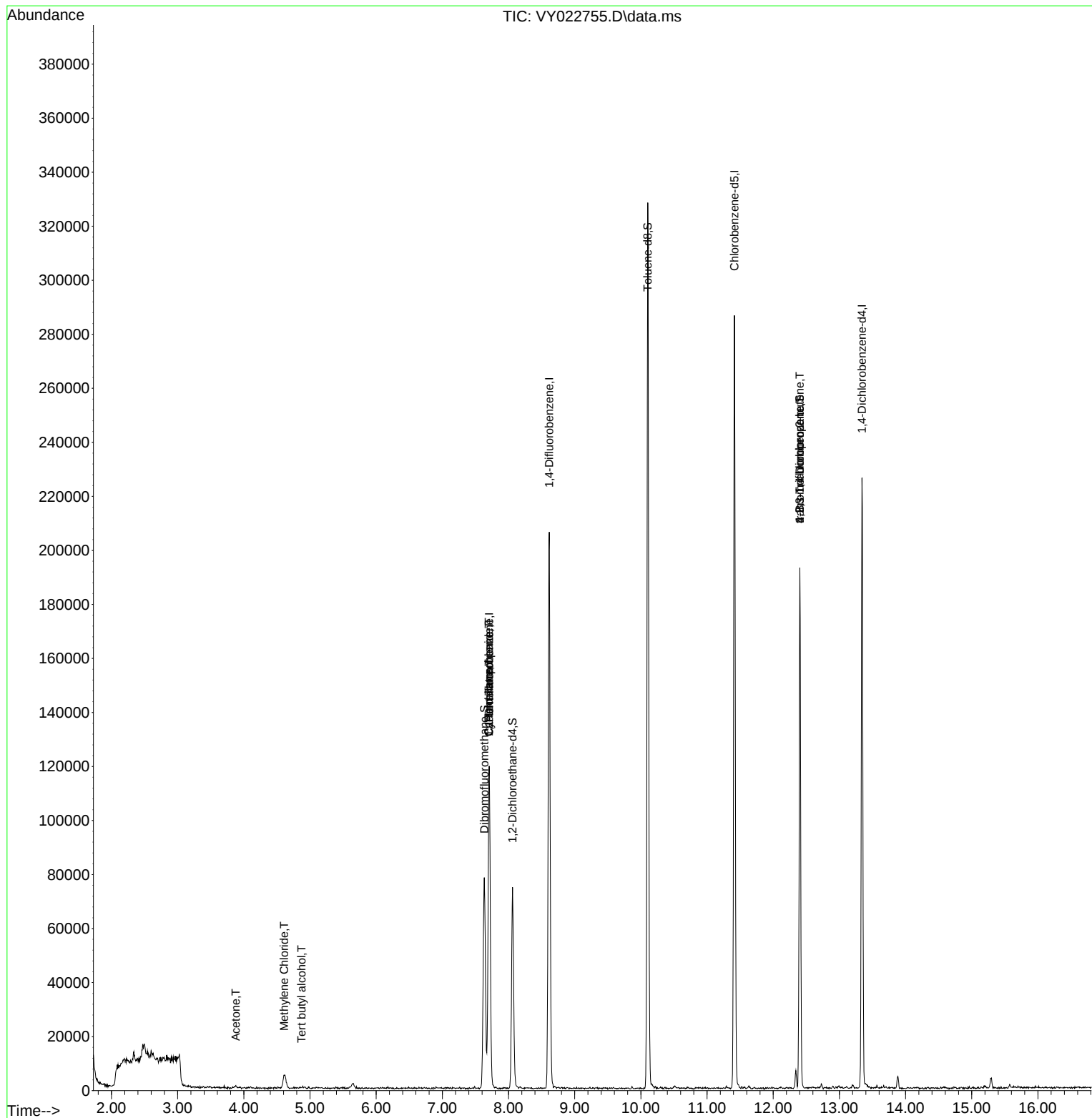
Internal Standards						
1) Pentafluorobenzene	7.707	168	88760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	167740	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	140708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	52660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	54398	54.796	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.600%	
35) Dibromofluoromethane	7.634	113	53565	53.500	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.000%	
50) Toluene-d8	10.103	98	203716	50.356	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.720%	
62) 4-Bromofluorobenzene	12.401	95	50944	42.265	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.520%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.872	59	250	3.526	ug/l #	73
16) Acetone	3.879	43	961	4.767	ug/l	92
20) Methylene Chloride	4.610	84	3565	3.113	ug/l	91
31) Cyclohexane	7.701	56	2496	1.308	ug/l #	23
36) 1,1-Dichloropropene	7.701	75	8066	4.964	ug/l #	51
38) Carbon Tetrachloride	7.701	117	9510	5.705	ug/l #	18
76) 1,2,3-Trichloropropane	12.401	75	29918	49.661	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	29918	119.927	ug/l #	11

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

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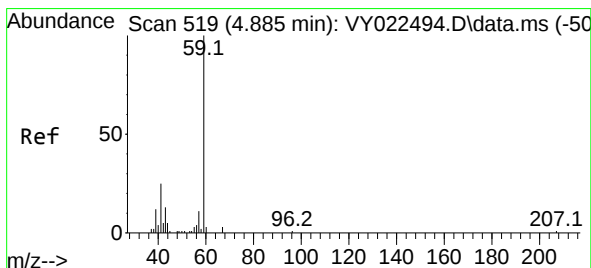
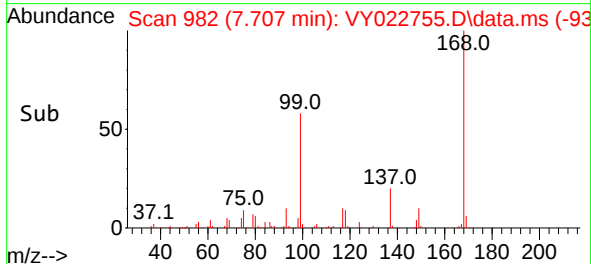
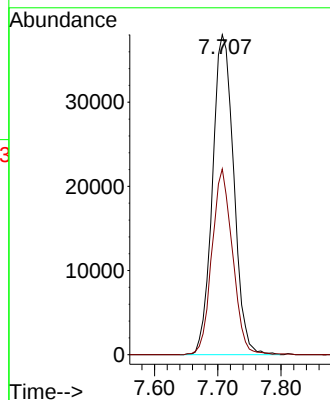
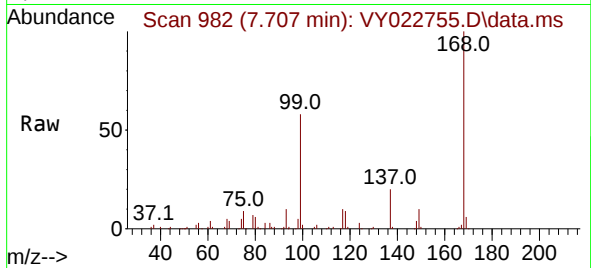




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022755.D
Acq: 19 Jun 2025 15:12

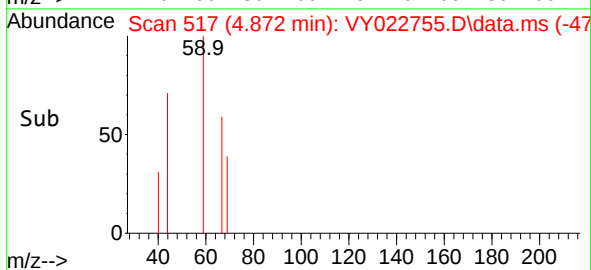
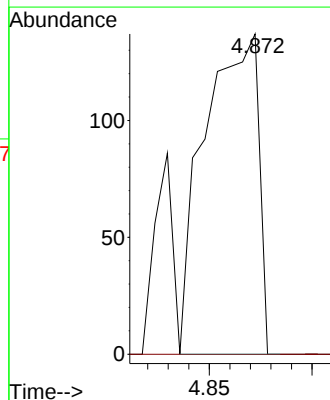
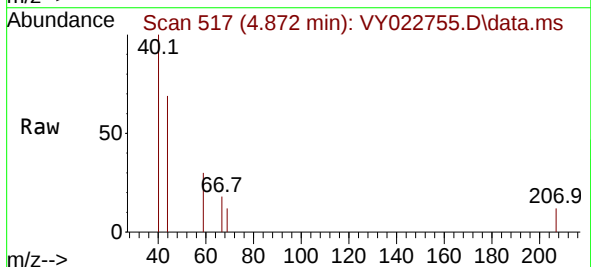
Instrument :
MSVOA_Y
ClientSampleId :
EP-5-VOV

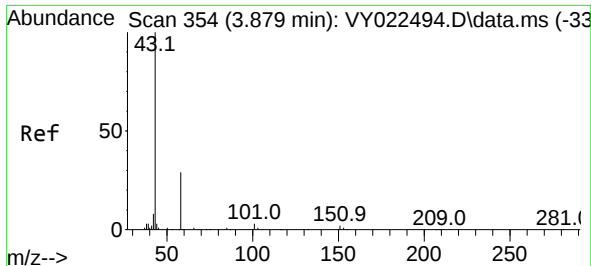
Tgt Ion:168 Resp: 88760
Ion Ratio Lower Upper
168 100
99 58.0 44.3 66.5



#11
Tert butyl alcohol
Concen: 3.526 ug/l
RT: 4.872 min Scan# 517
Delta R.T. -0.012 min
Lab File: VY022755.D
Acq: 19 Jun 2025 15:12

Tgt Ion: 59 Resp: 250
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

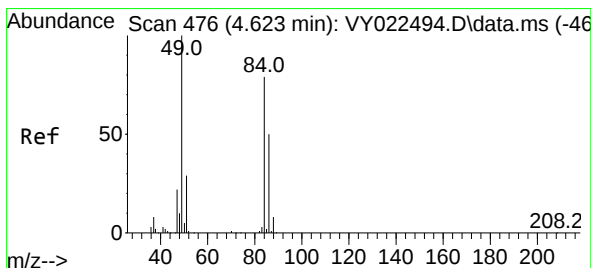
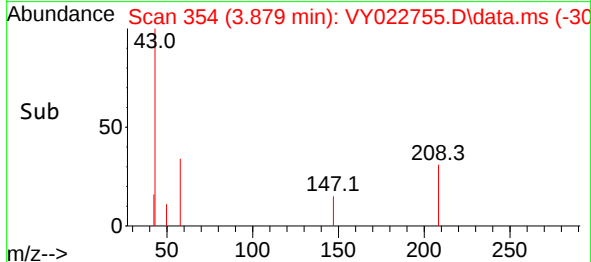
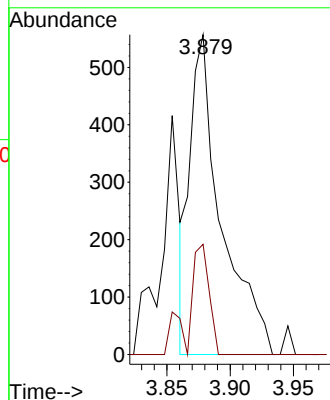
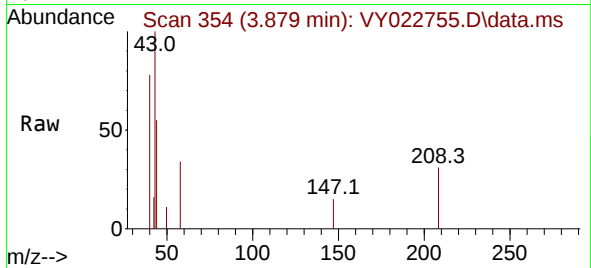




#16
Acetone
Concen: 4.767 ug/l
RT: 3.879 min Scan# 316
Delta R.T. -0.000 min
Lab File: VY022755.D
Acq: 19 Jun 2025 15:12

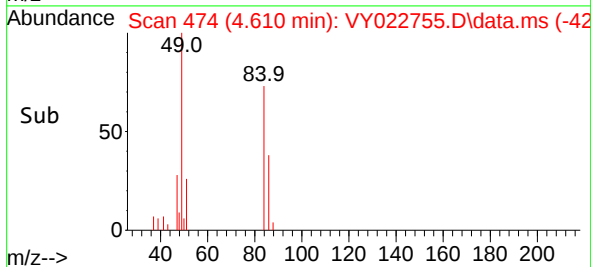
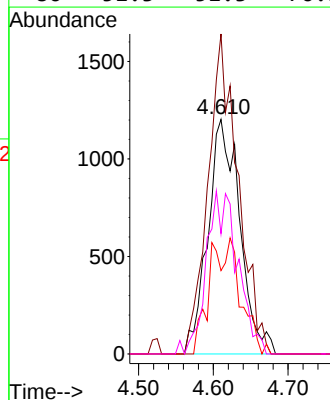
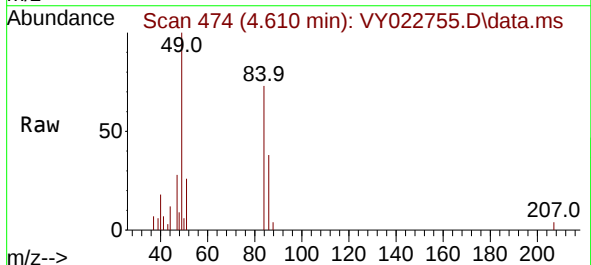
Instrument :
MSVOA_Y
ClientSampleId :
EP-5-VOV

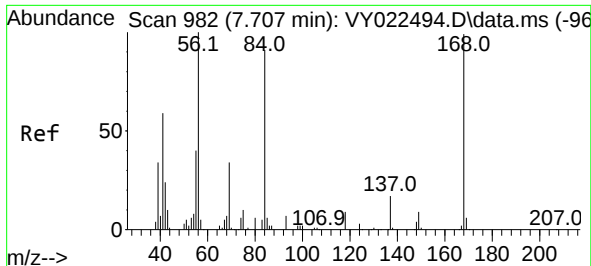
Tgt Ion: 43 Resp: 961
Ion Ratio Lower Upper
43 100
58 34.5 24.0 36.0



#20
Methylene Chloride
Concen: 3.113 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022755.D
Acq: 19 Jun 2025 15:12

Tgt Ion: 84 Resp: 3565
Ion Ratio Lower Upper
84 100
49 136.4 101.9 152.9
51 35.6 29.8 44.8
86 51.3 51.3 76.9

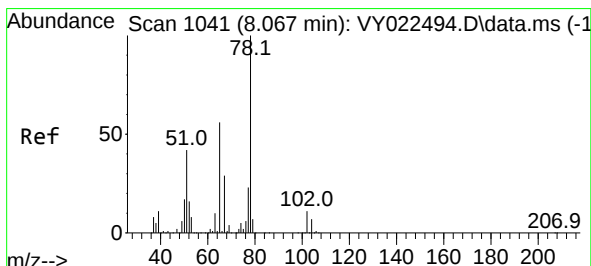
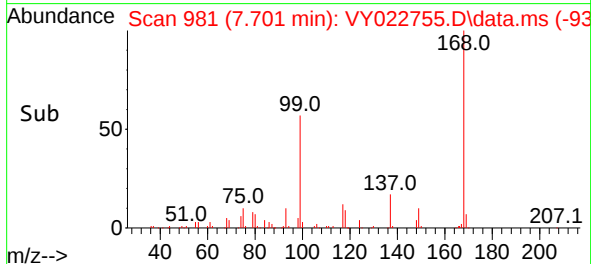
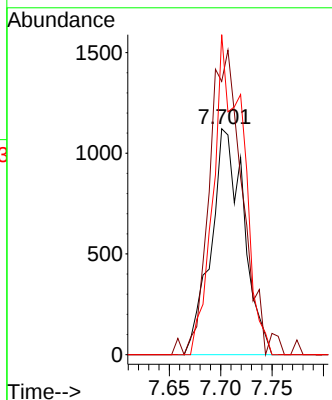
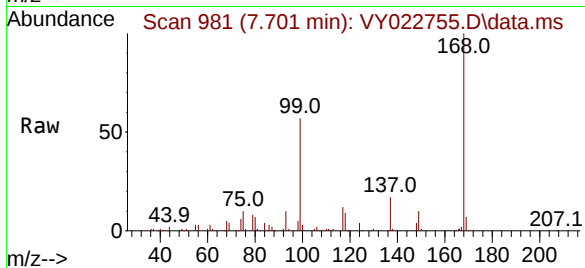




#31
Cyclohexane
Concen: 1.308 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022755.D
Acq: 19 Jun 2025 15:12

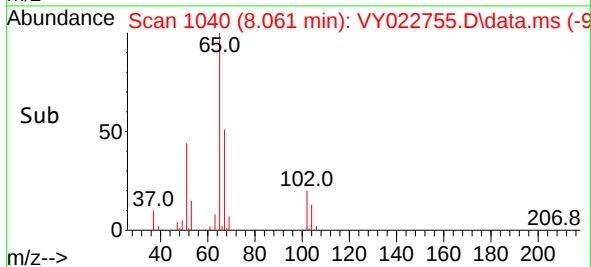
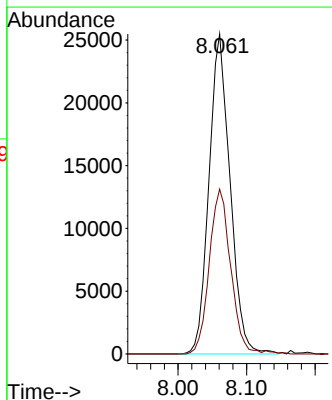
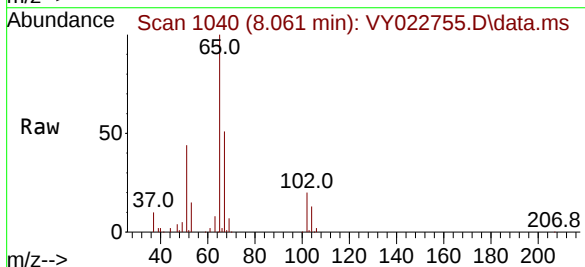
Instrument :
MSVOA_Y
ClientSampleId :
EP-5-VOV

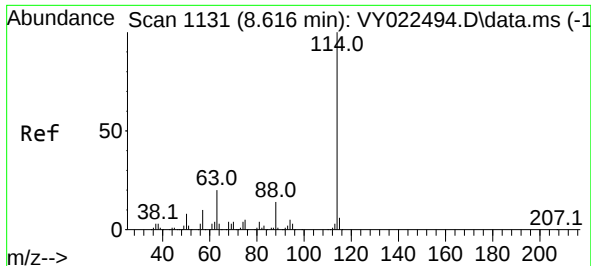
Tgt Ion: 56 Resp: 2496
Ion Ratio Lower Upper
56 100
69 113.7 27.0 40.6#
84 141.6 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 54.796 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022755.D
Acq: 19 Jun 2025 15:12

Tgt Ion: 65 Resp: 54398
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4

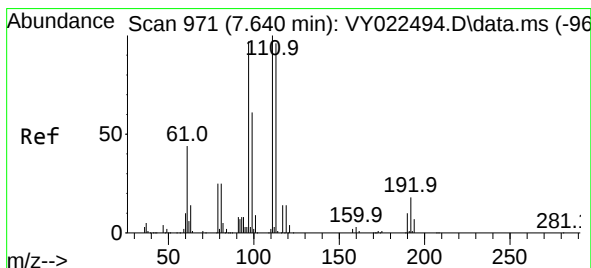
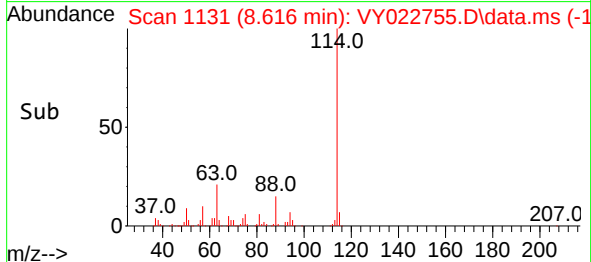
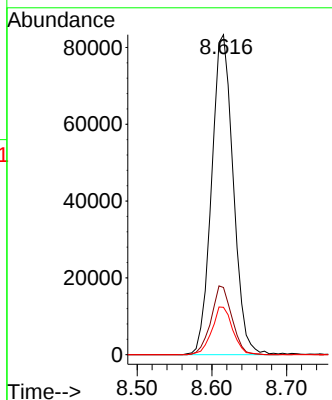
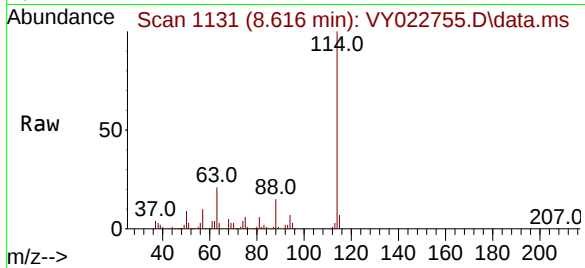




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022755.D
Acq: 19 Jun 2025 15:12

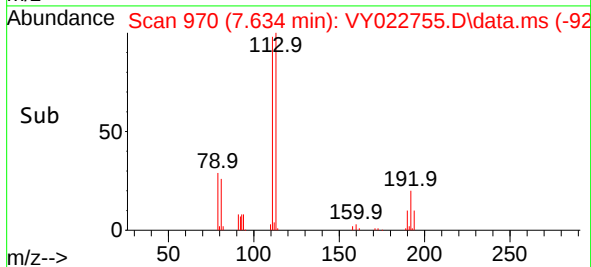
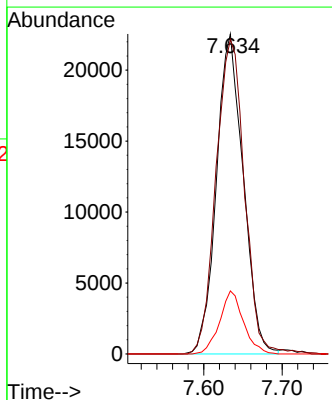
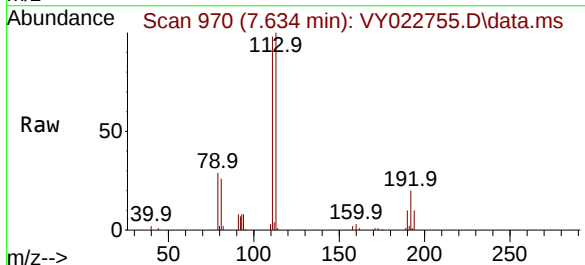
Instrument :
MSVOA_Y
ClientSampleId :
EP-5-VOV

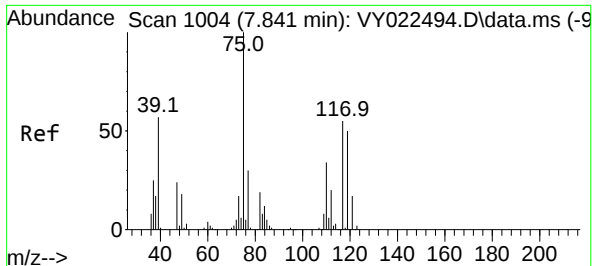
Tgt Ion:114 Resp: 167740
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 14.8 0.0 27.8



#35
Dibromofluoromethane
Concen: 53.500 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022755.D
Acq: 19 Jun 2025 15:12

Tgt Ion:113 Resp: 53565
Ion Ratio Lower Upper
113 100
111 104.4 81.1 121.7
192 17.5 14.2 21.2





#36

1,1-Dichloropropene

Concen: 4.964 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY022755.D

Acq: 19 Jun 2025 15:12

Instrument :

MSVOA_Y

ClientSampleId :

EP-5-VOV

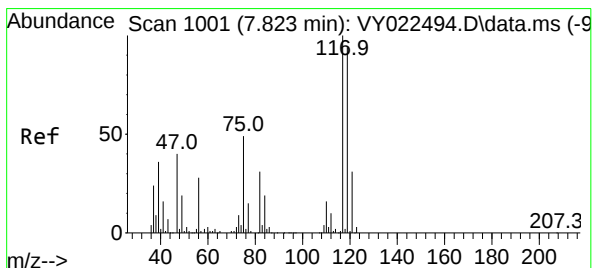
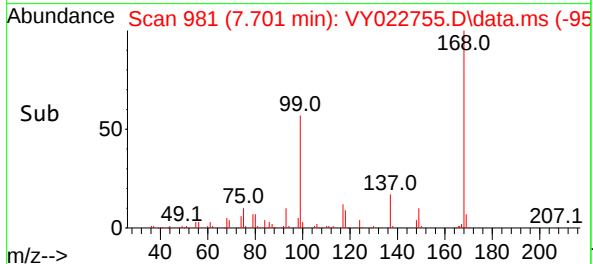
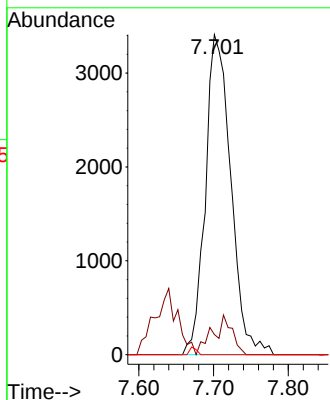
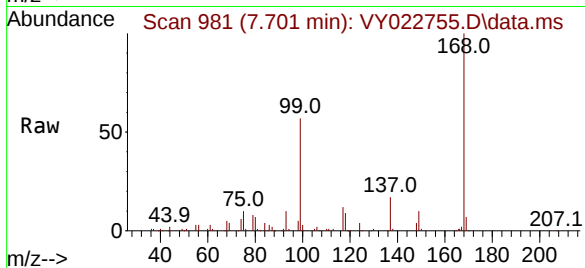
Tgt Ion: 75 Resp: 8066

Ion Ratio Lower Upper

75 100

110 9.5 16.9 50.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.705 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.122 min

Lab File: VY022755.D

Acq: 19 Jun 2025 15:12

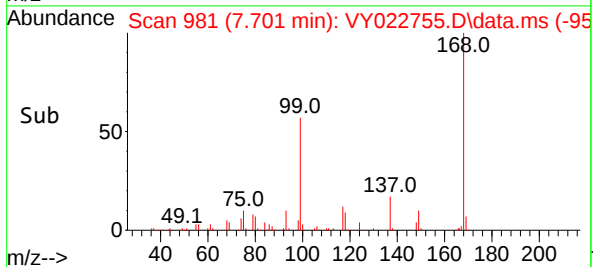
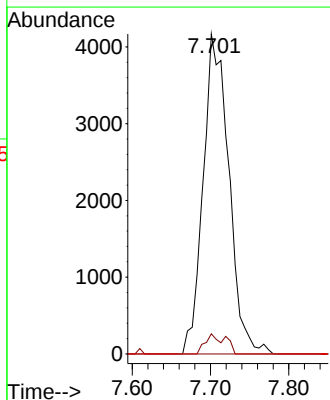
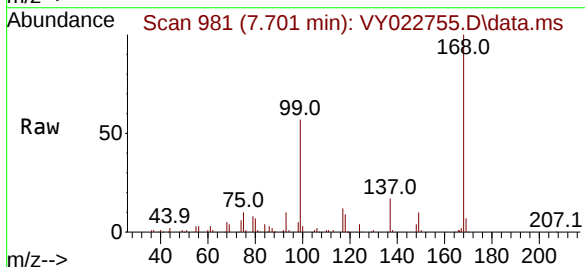
Tgt Ion: 117 Resp: 9510

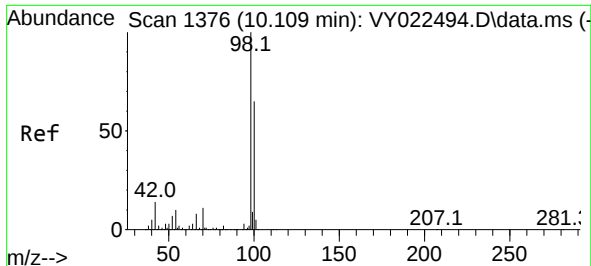
Ion Ratio Lower Upper

117 100

119 6.3 75.0 112.6#

121 0.0 25.0 37.4#

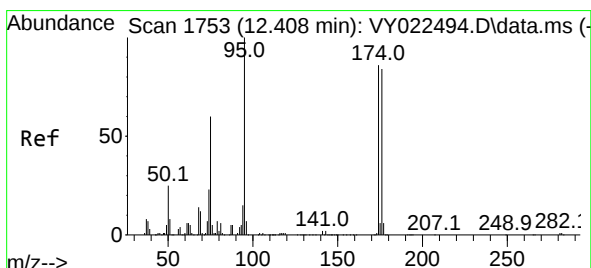
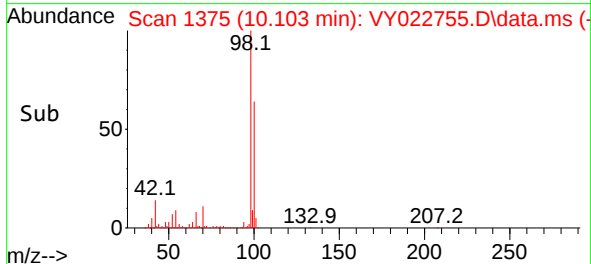
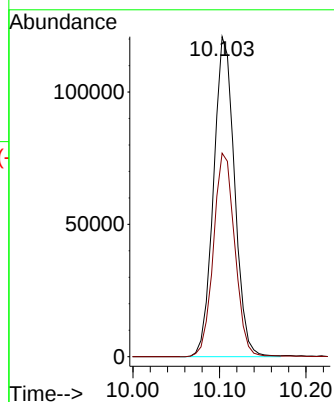
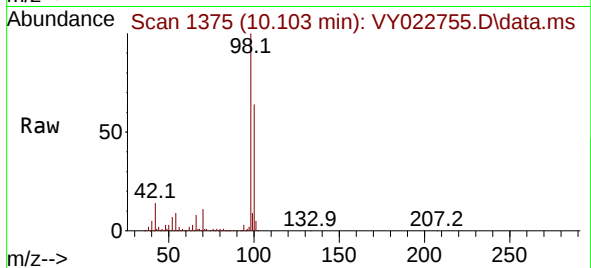




#50
Toluene-d8
Concen: 50.356 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022755.D
Acq: 19 Jun 2025 15:12

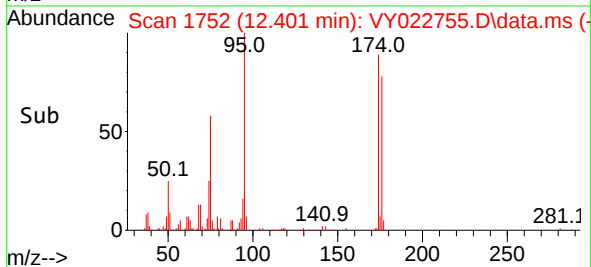
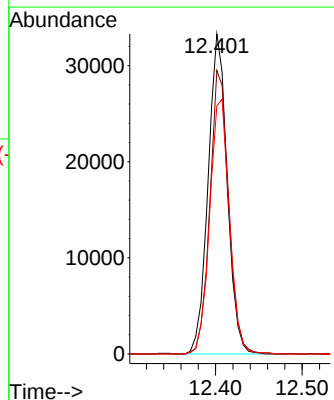
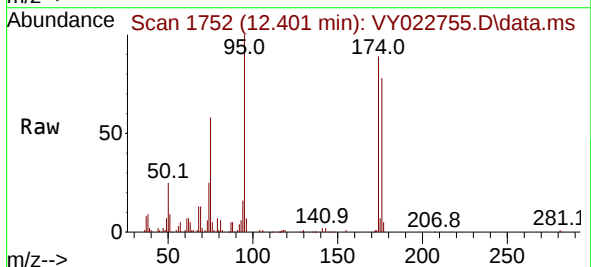
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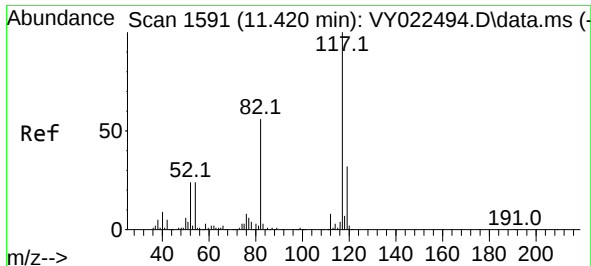
Tgt Ion: 98 Resp: 203716
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.265 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022755.D
Acq: 19 Jun 2025 15:12

Tgt Ion: 95 Resp: 50944
Ion Ratio Lower Upper
95 100
174 87.2 0.0 170.0
176 82.5 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: VY022755.D

Acq: 19 Jun 2025 15:12

Instrument :

MSVOA_Y

ClientSampleId :

EP-5-VOV

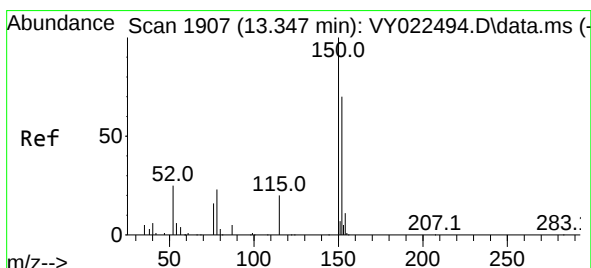
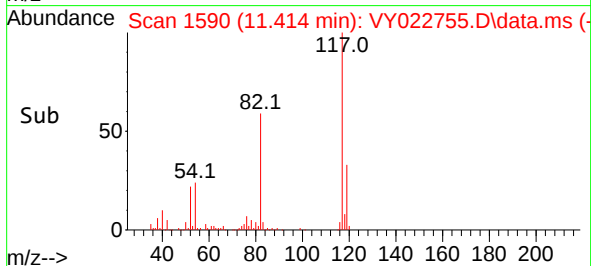
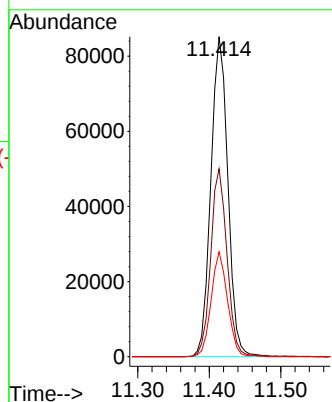
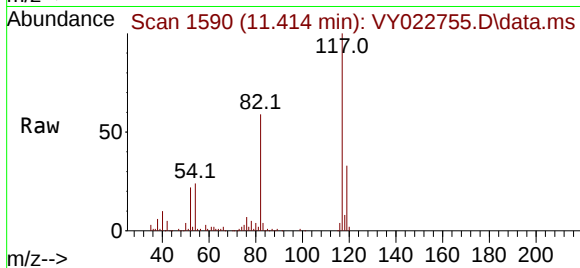
Tgt Ion:117 Resp: 140708

Ion Ratio Lower Upper

117 100

82 58.7 44.6 66.8

119 32.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022755.D

Acq: 19 Jun 2025 15:12

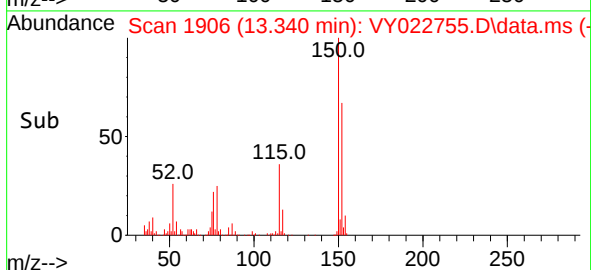
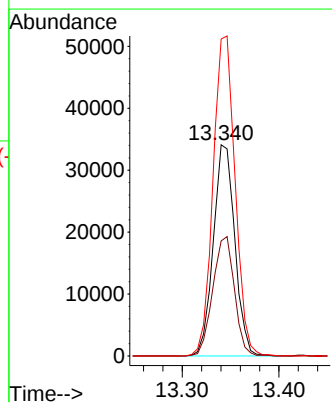
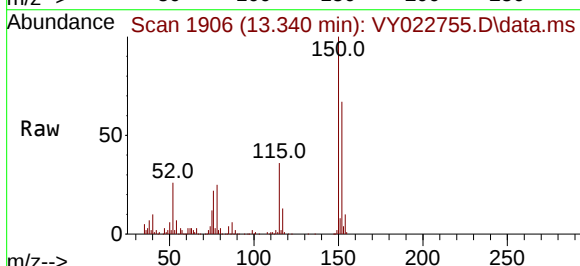
Tgt Ion:152 Resp: 52660

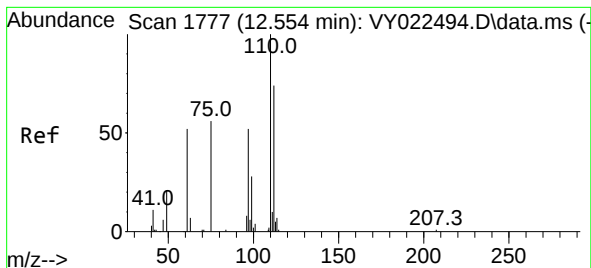
Ion Ratio Lower Upper

152 100

115 56.9 28.9 86.7

150 155.1 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 49.661 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022755.D

Acq: 19 Jun 2025 15:12

Instrument :

MSVOA_Y

ClientSampleId :

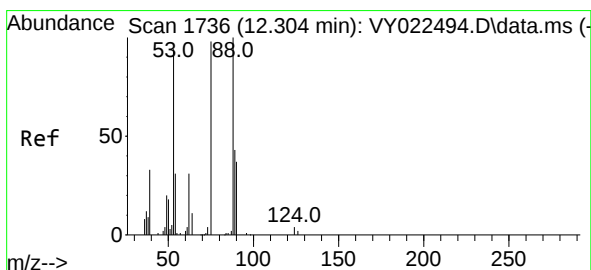
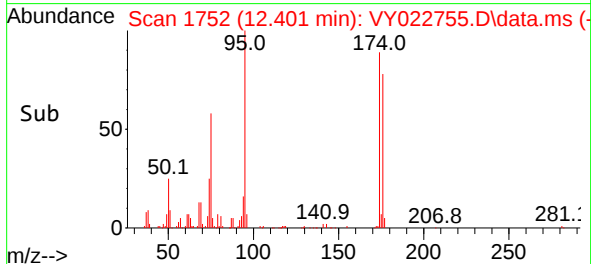
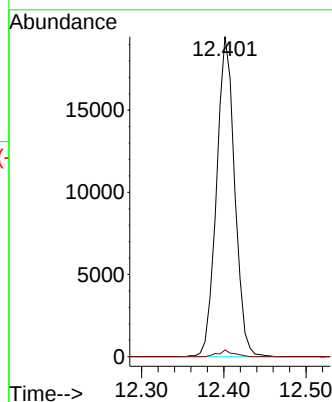
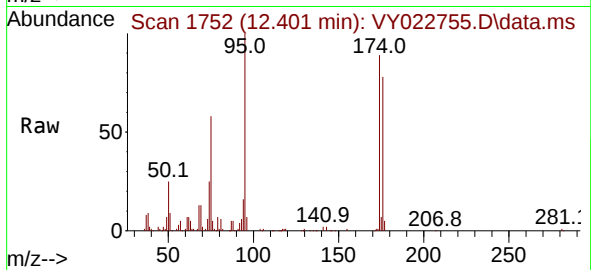
EP-5-VOV

Tgt Ion: 75 Resp: 29918

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 119.927 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY022755.D

Acq: 19 Jun 2025 15:12

Tgt Ion: 75 Resp: 29918

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.2 35.7 53.5#

