

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040225\
 Data File : VY021761.D
 Acq On : 02 Apr 2025 15:42
 Operator : SY/MD
 Sample : Q1694-03
 Misc : 5.83g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-18-VOC

Quant Time: Apr 03 03:37:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

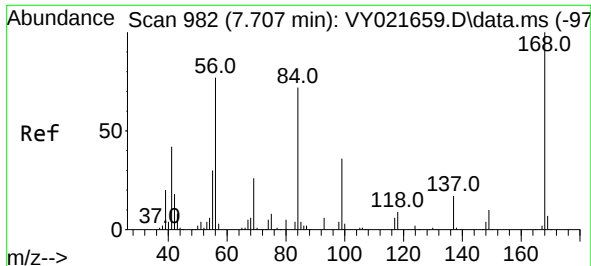
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	241104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	471380	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	454745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	187736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	158872	60.817	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.640%	
35) Dibromofluoromethane	7.634	113	163080	53.333	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.660%	
50) Toluene-d8	10.103	98	585810	50.359	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.720%	
62) 4-Bromofluorobenzene	12.408	95	193244	49.113	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.220%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.848	59	225	1.326	ug/l #	89
16) Acetone	3.860	43	2680	5.013	ug/l #	85
20) Methylene Chloride	4.622	84	5435	Below Cal	#	86
31) Cyclohexane	7.713	56	5702	1.237	ug/l #	18
36) 1,1-Dichloropropene	7.701	75	20696	4.444	ug/l #	50
38) Carbon Tetrachloride	7.707	117	25015	4.689	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	104304	56.049	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	104304	129.146	ug/l #	12

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

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Response via : Initial Calibration

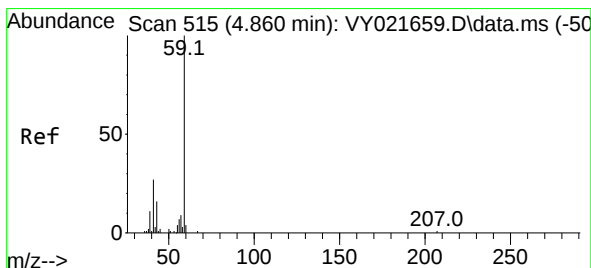
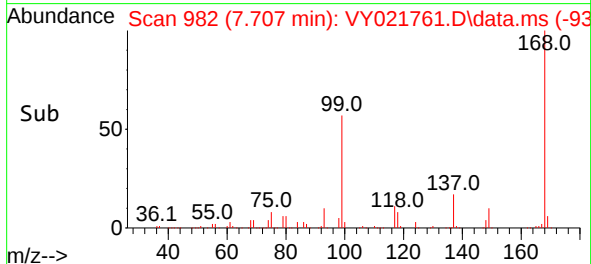
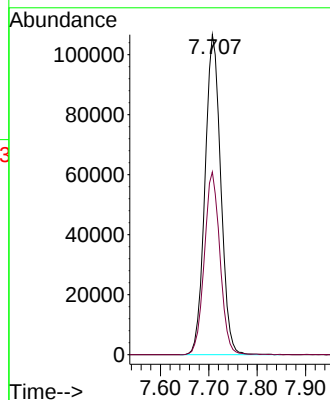
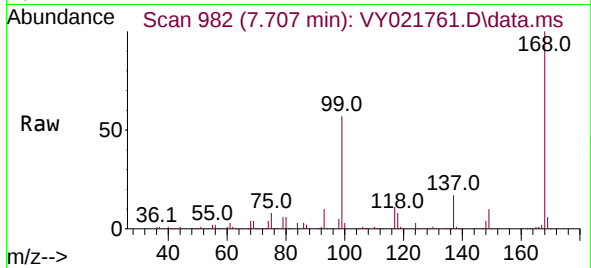




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021761.D
Acq: 02 Apr 2025 15:42

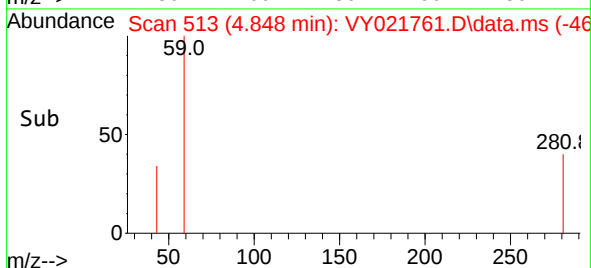
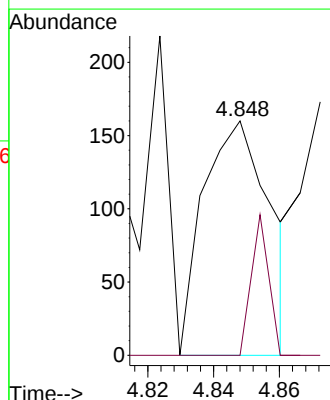
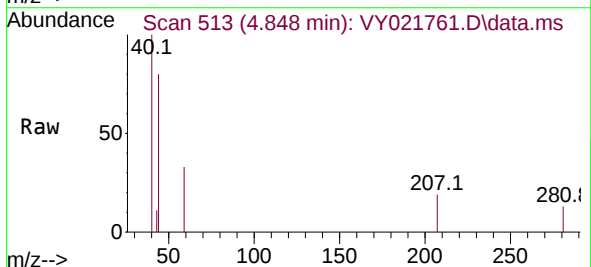
Instrument :
MSVOA_Y
ClientSampleId :
TP-18-VOC

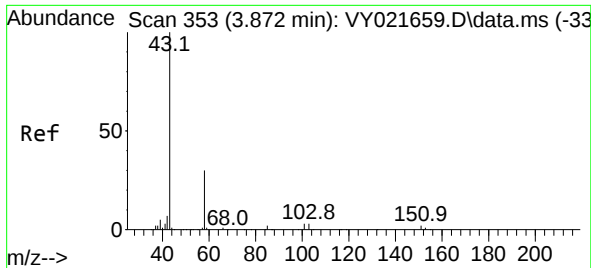
Tgt Ion:168 Resp: 241104
Ion Ratio Lower Upper
168 100
99 57.1 46.7 70.1



#11
Tert butyl alcohol
Concen: 1.326 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY021761.D
Acq: 02 Apr 2025 15:42

Tgt Ion: 59 Resp: 225
Ion Ratio Lower Upper
59 100
57 15.6 9.2 13.8#

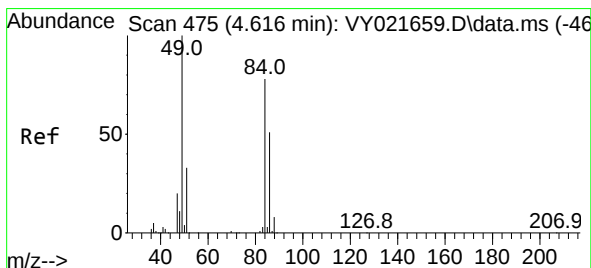
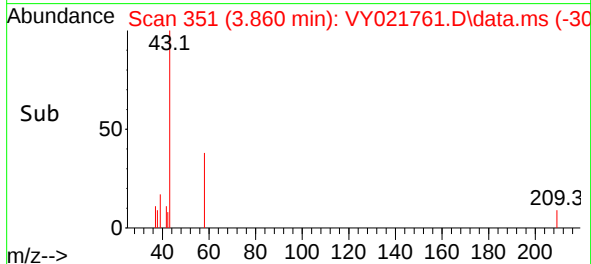
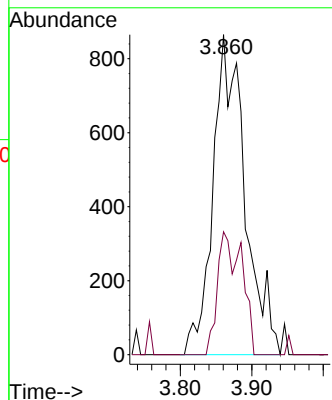
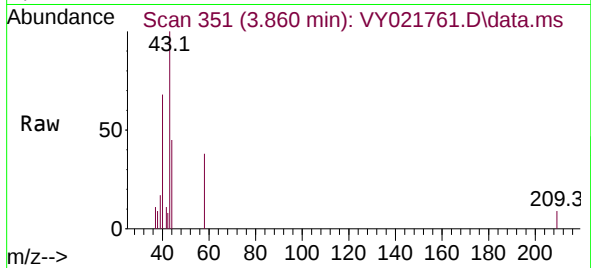




#16
Acetone
Concen: 5.013 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY021761.D
Acq: 02 Apr 2025 15:42

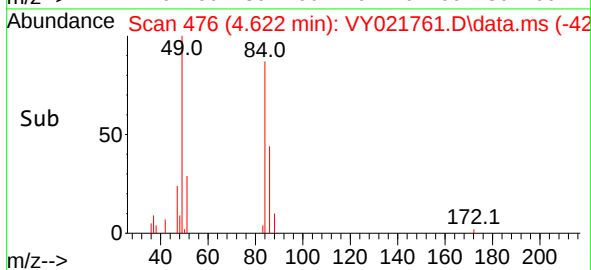
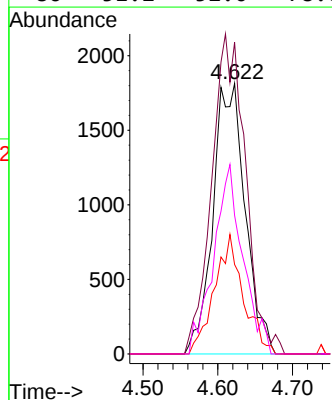
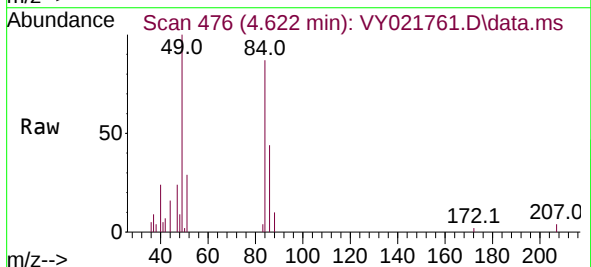
Instrument :
MSVOA_Y
ClientSampleId :
TP-18-VOC

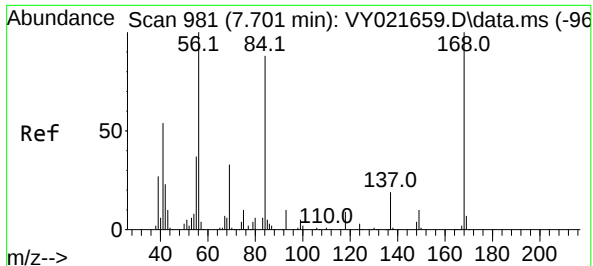
Tgt Ion: 43 Resp: 2680
Ion Ratio Lower Upper
43 100
58 38.4 24.2 36.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY021761.D
Acq: 02 Apr 2025 15:42

Tgt Ion: 84 Resp: 5435
Ion Ratio Lower Upper
84 100
49 115.2 102.8 154.2
51 33.1 33.5 50.3#
86 51.2 52.0 78.0#

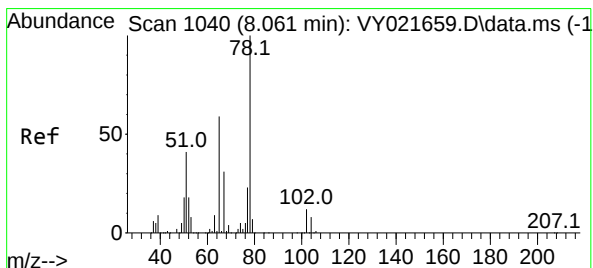
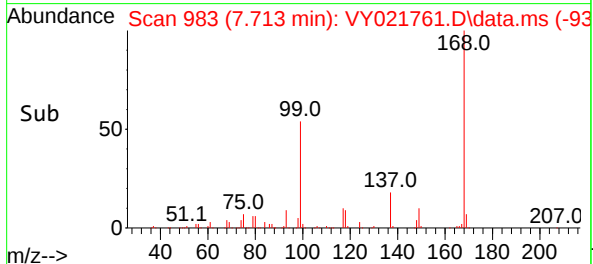
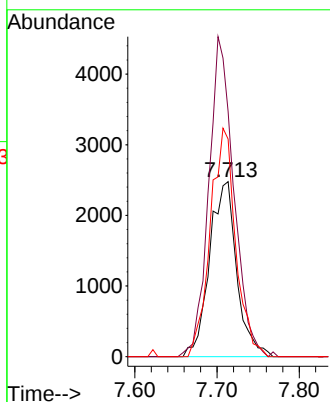
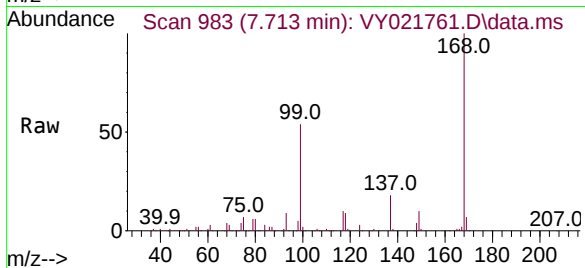




#31
Cyclohexane
Concen: 1.237 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY021761.D
Acq: 02 Apr 2025 15:42

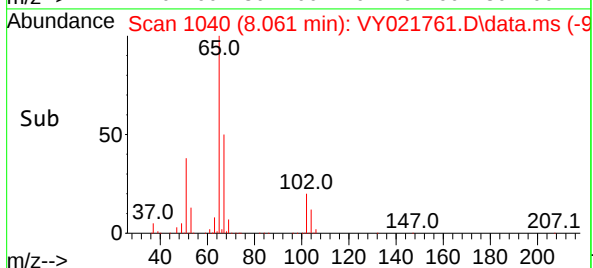
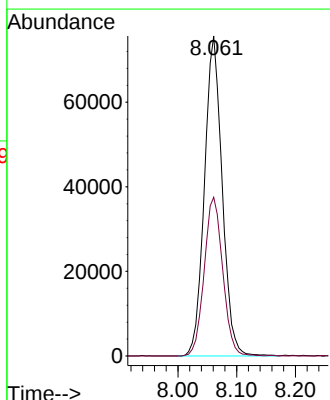
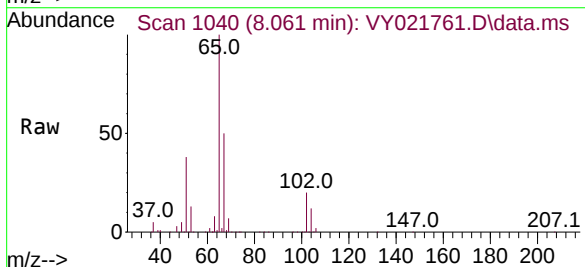
Instrument :
MSVOA_Y
ClientSampleId :
TP-18-VOC

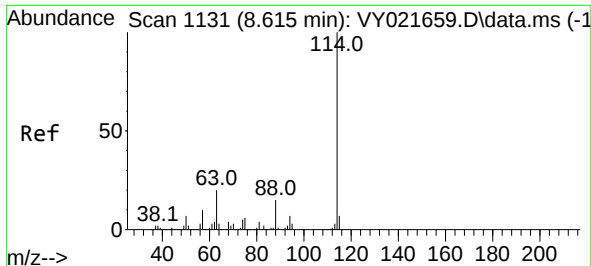
Tgt Ion: 56 Resp: 5702
Ion Ratio Lower Upper
56 100
69 140.1 26.6 40.0#
84 124.3 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 60.817 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021761.D
Acq: 02 Apr 2025 15:42

Tgt Ion: 65 Resp: 158872
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021761.D

Acq: 02 Apr 2025 15:42

Instrument :

MSVOA_Y

ClientSampleId :

TP-18-VOC

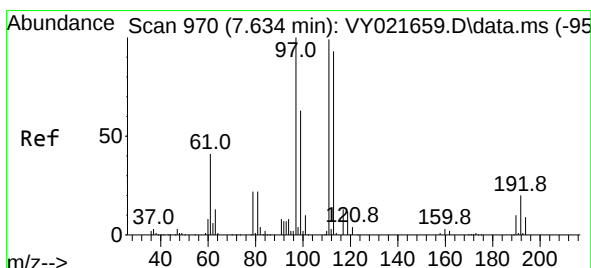
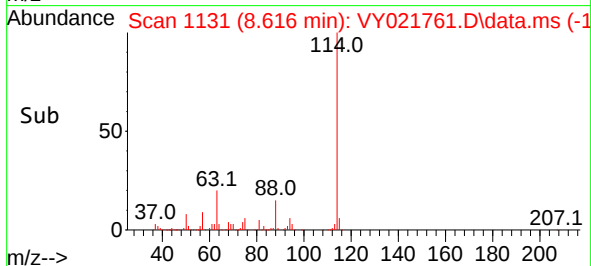
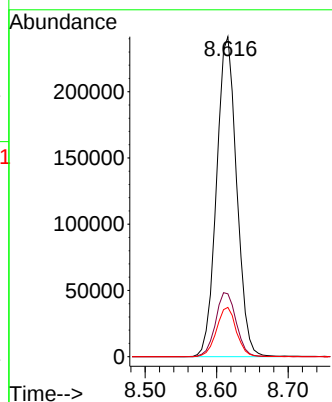
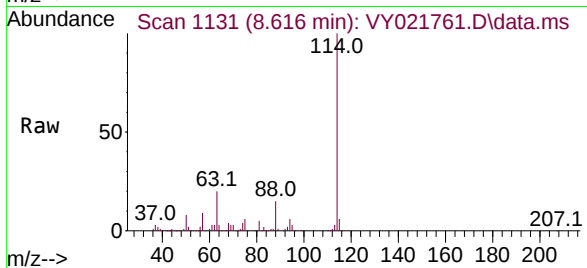
Tgt Ion:114 Resp: 471380

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.2

88 15.4 0.0 29.8



#35

Dibromofluoromethane

Concen: 53.333 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021761.D

Acq: 02 Apr 2025 15:42

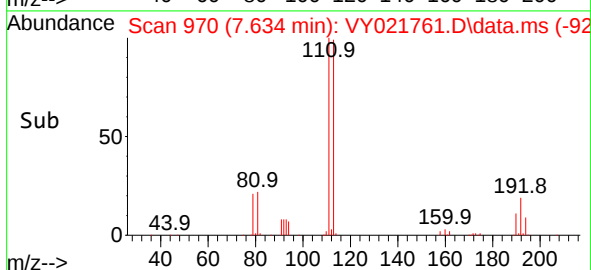
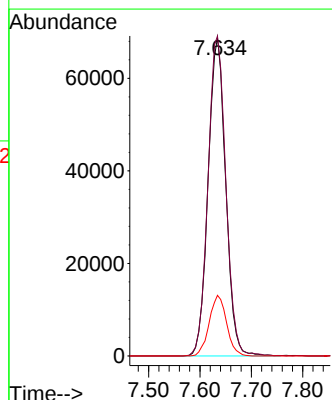
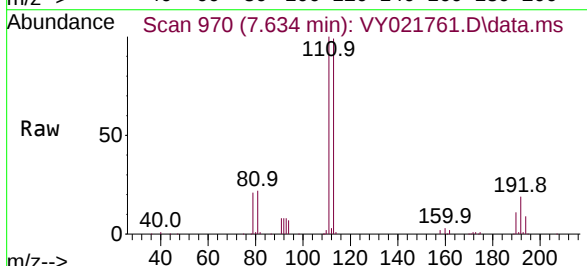
Tgt Ion:113 Resp: 163080

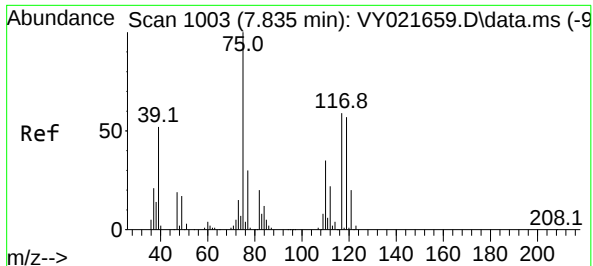
Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 18.9 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.444 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY021761.D

Acq: 02 Apr 2025 15:42

Instrument :

MSVOA_Y

ClientSampleId :

TP-18-VOC

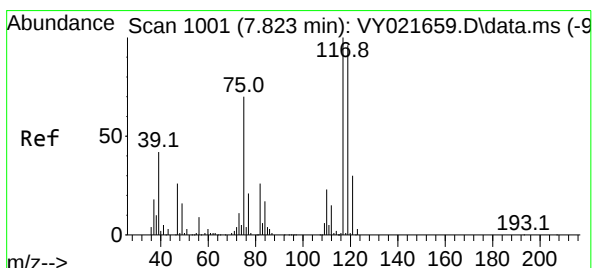
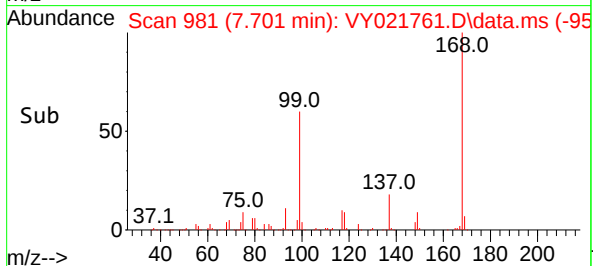
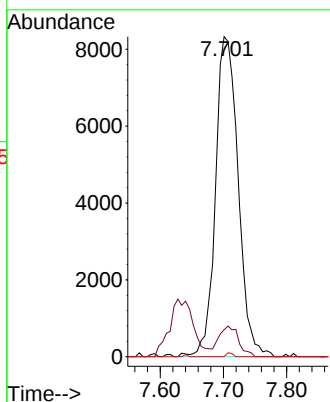
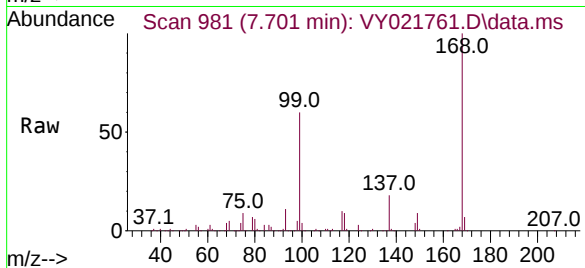
Tgt Ion: 75 Resp: 20696

Ion Ratio Lower Upper

75 100

110 8.2 17.0 50.9#

77 0.3 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 4.689 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021761.D

Acq: 02 Apr 2025 15:42

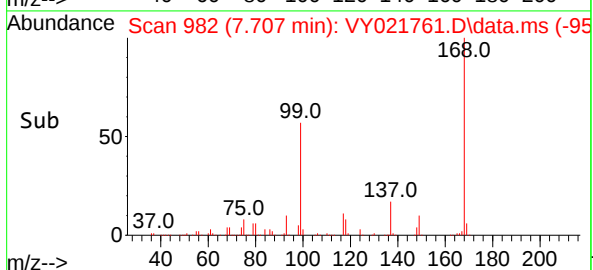
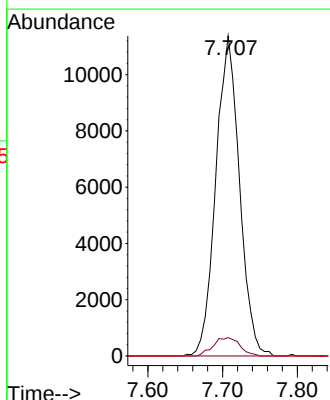
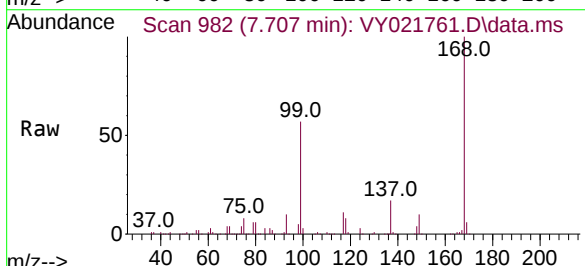
Tgt Ion: 117 Resp: 25015

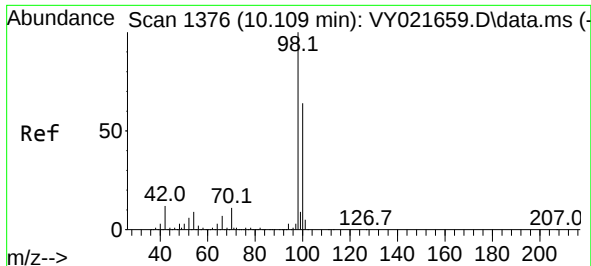
Ion Ratio Lower Upper

117 100

119 5.8 76.2 114.4#

121 0.0 24.2 36.4#

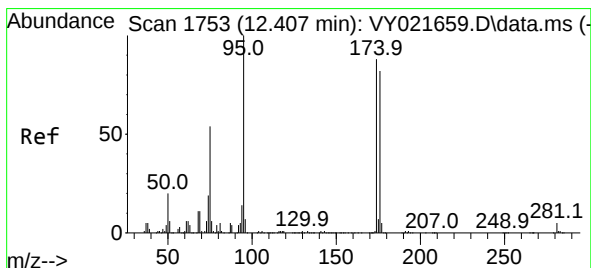
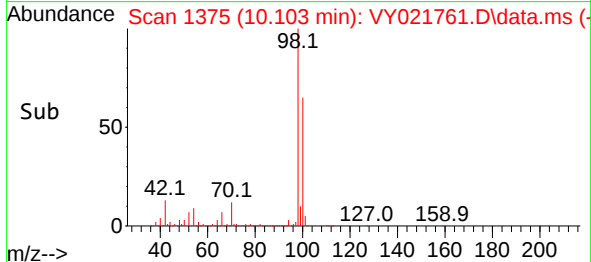
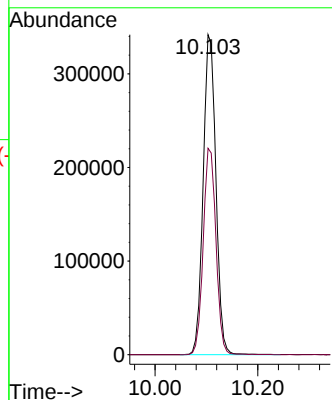
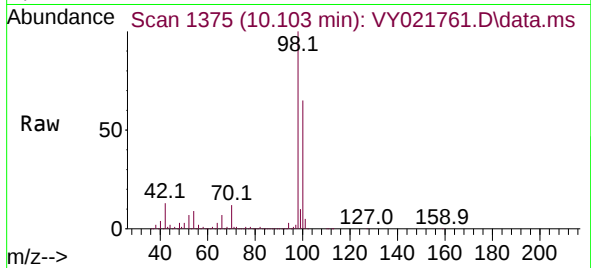




#50
Toluene-d8
Concen: 50.359 ug/l
RT: 10.103 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY021761.D
Acq: 02 Apr 2025 15:42

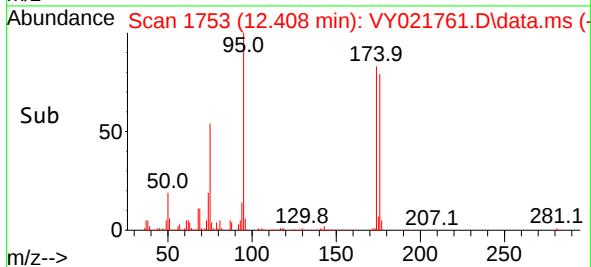
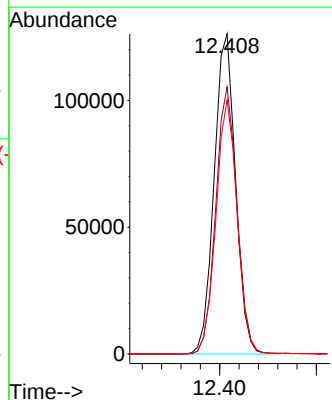
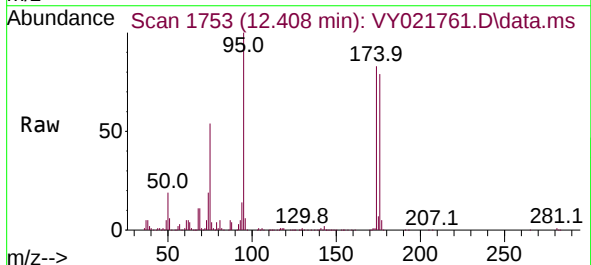
Instrument :
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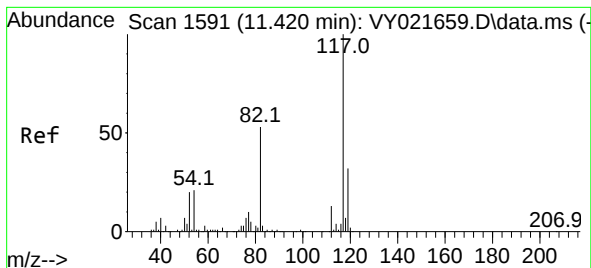
Tgt Ion: 98 Resp: 585810
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 49.113 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021761.D
Acq: 02 Apr 2025 15:42

Tgt Ion: 95 Resp: 193244
Ion Ratio Lower Upper
95 100
174 83.3 0.0 170.8
176 79.1 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021761.D

Acq: 02 Apr 2025 15:42

Instrument :

MSVOA_Y

ClientSampleId :

TP-18-VOC

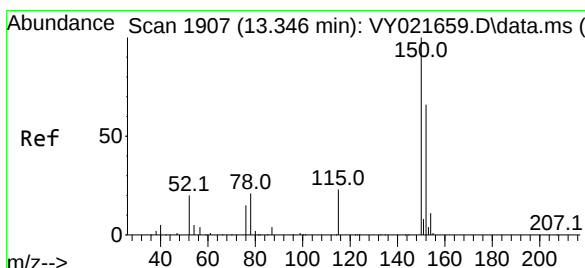
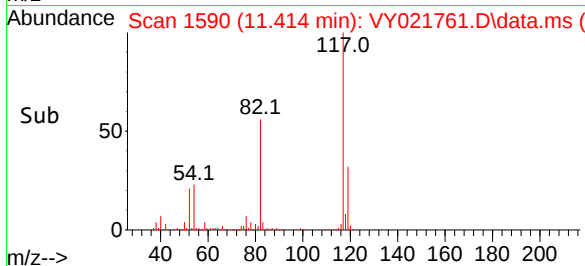
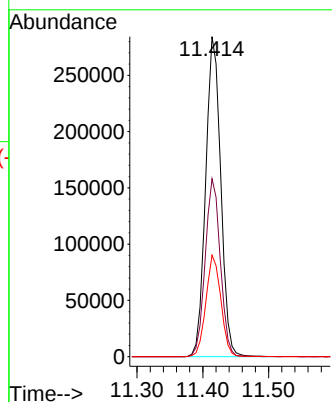
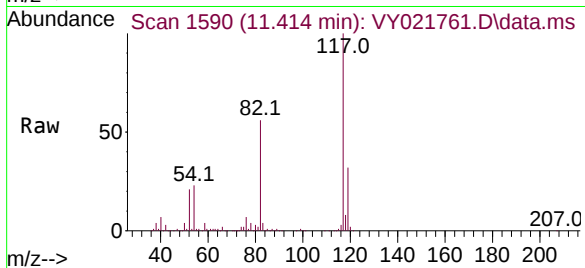
Tgt Ion:117 Resp: 454745

Ion Ratio Lower Upper

117 100

82 55.6 42.8 64.2

119 31.7 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021761.D

Acq: 02 Apr 2025 15:42

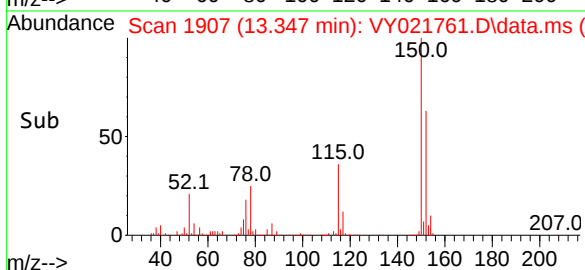
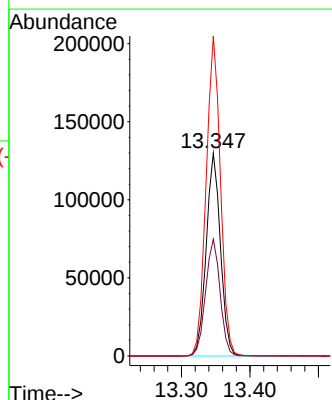
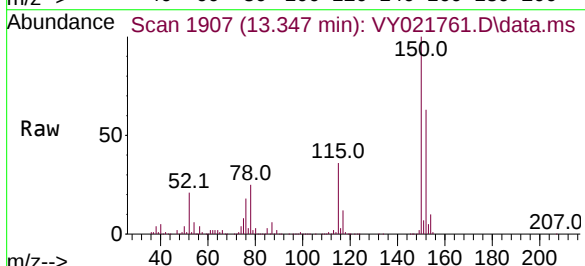
Tgt Ion:152 Resp: 187736

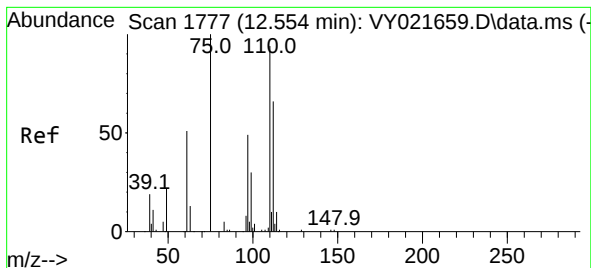
Ion Ratio Lower Upper

152 100

115 58.7 28.8 86.5

150 158.7 0.0 348.4

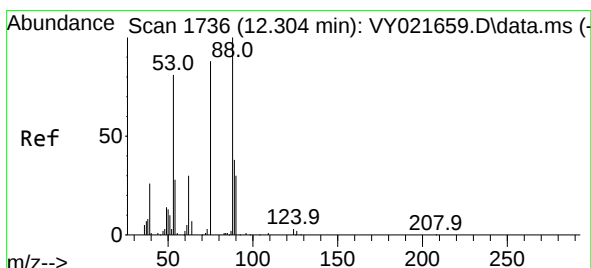
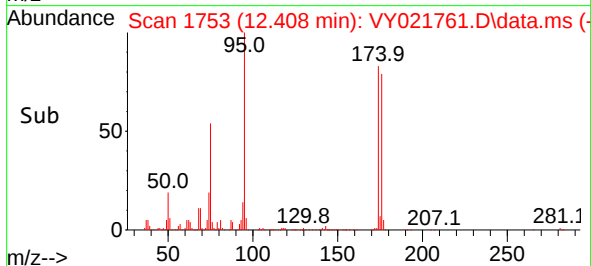
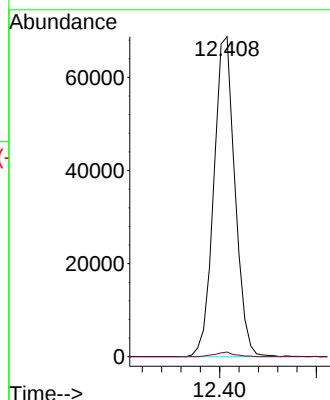
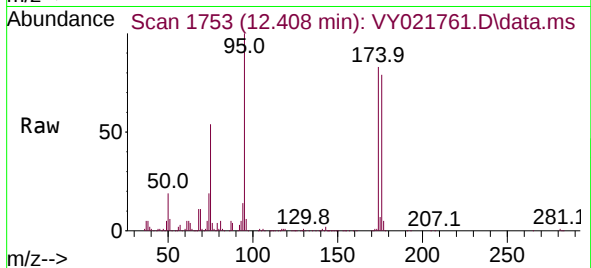




#76
1,2,3-Trichloropropane
Concen: 56.049 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021761.D
Acq: 02 Apr 2025 15:42

Instrument :
MSVOA_Y
ClientSampleId :
TP-18-VOC

Tgt Ion: 75 Resp: 104304
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.146 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021761.D
Acq: 02 Apr 2025 15:42

Tgt Ion: 75 Resp: 104304
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.1 36.2 54.4#

