

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022634.D
 Acq On : 09 Jun 2025 16:43
 Operator : SY/MD
 Sample : Q2271-02
 Misc : 7.83g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP12-MHK-VOC

Quant Time: Jun 10 01:31:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

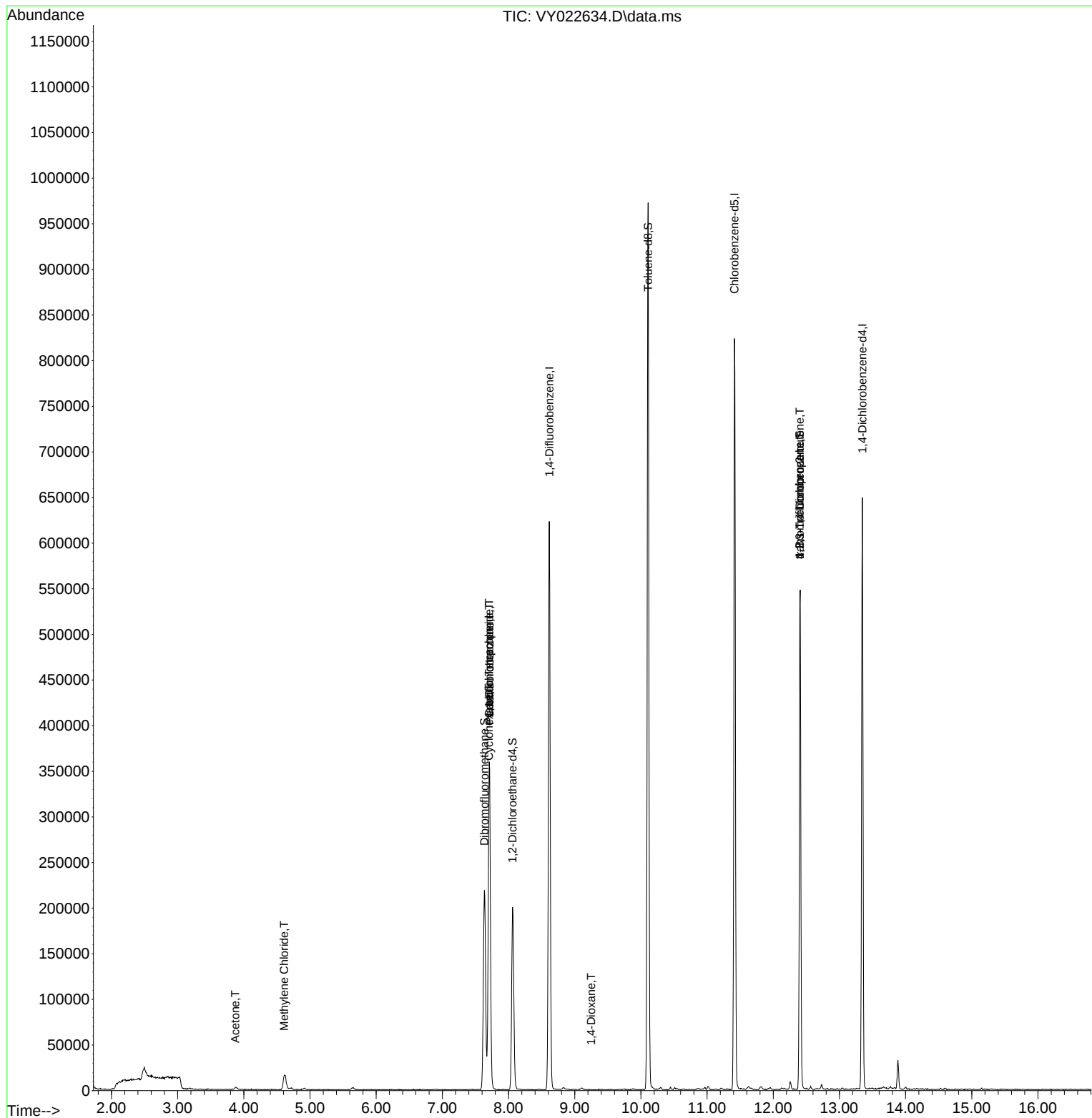
Internal Standards						
1) Pentafluorobenzene	7.713	168	266219	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	505404	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	405893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	142510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151024	50.722	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.440%	
35) Dibromofluoromethane	7.634	113	151738	50.300	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.600%	
50) Toluene-d8	10.109	98	610347	50.073	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.140%	
62) 4-Bromofluorobenzene	12.402	95	148893	40.997	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.000%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	4808	7.951	ug/l	89
20) Methylene Chloride	4.610	84	11548	3.362	ug/l #	88
31) Cyclohexane	7.701	56	8106	1.417	ug/l #	42
36) 1,1-Dichloropropene	7.707	75	25024	5.111	ug/l #	51
38) Carbon Tetrachloride	7.707	117	27682	5.511	ug/l #	17
49) 1,4-Dioxane	9.250	88	24	1.054	ug/l #	3
76) 1,2,3-Trichloropropane	12.402	75	88199	54.098	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	88199	130.643	ug/l #	11

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

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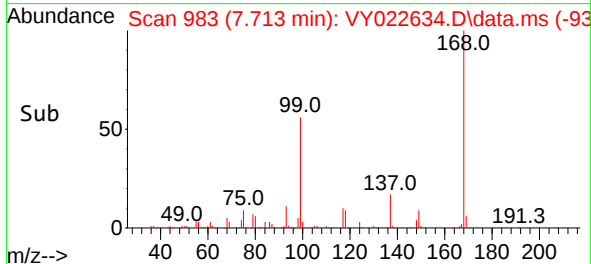
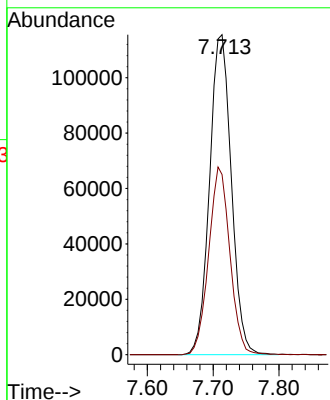
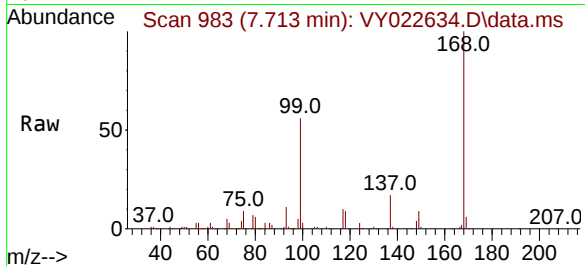




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022634.D
Acq: 09 Jun 2025 16:43

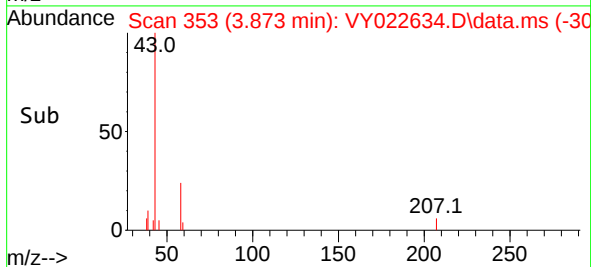
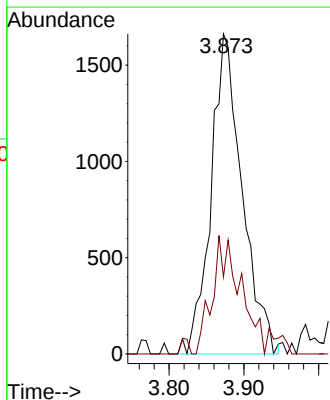
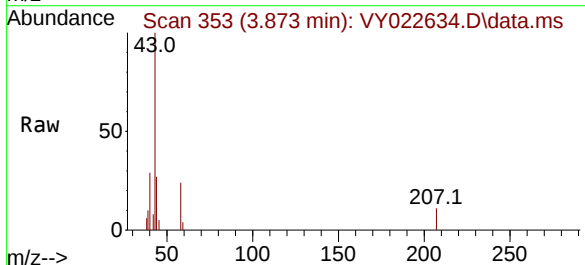
Instrument :
MSVOA_Y
ClientSampleId :
TP12-MHK-VOC

Tgt Ion:168 Resp: 266219
Ion Ratio Lower Upper
168 100
99 56.3 44.3 66.5



#16
Acetone
Concen: 7.951 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022634.D
Acq: 09 Jun 2025 16:43

Tgt Ion: 43 Resp: 4808
Ion Ratio Lower Upper
43 100
58 24.1 24.0 36.0

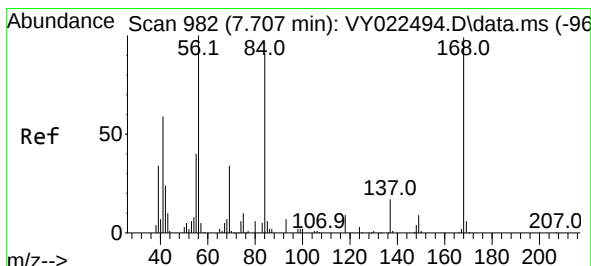
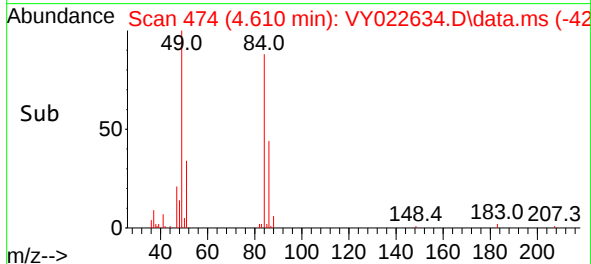
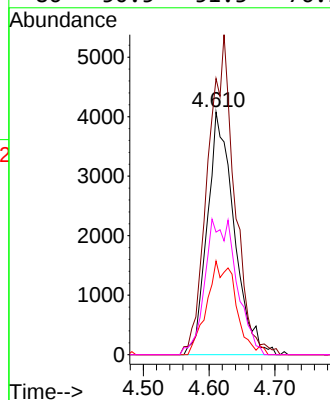
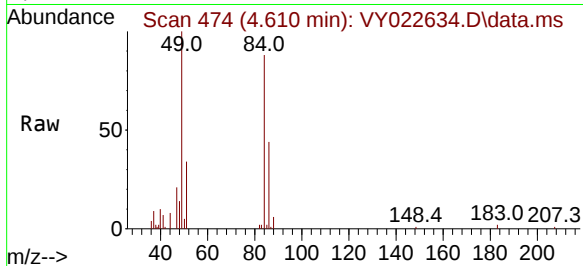




#20
Methylene Chloride
Concen: 3.362 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022634.D
Acq: 09 Jun 2025 16:43

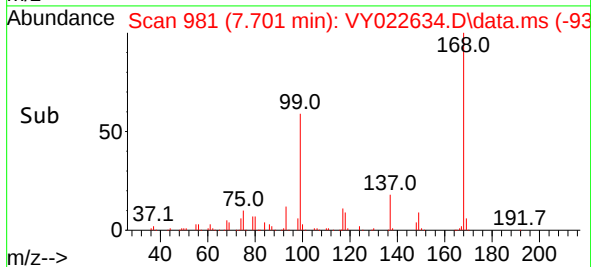
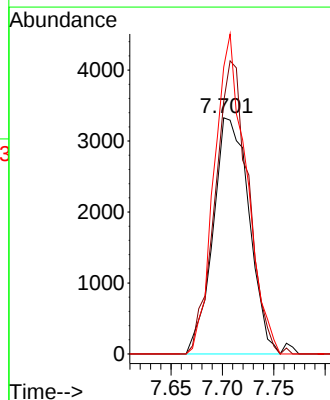
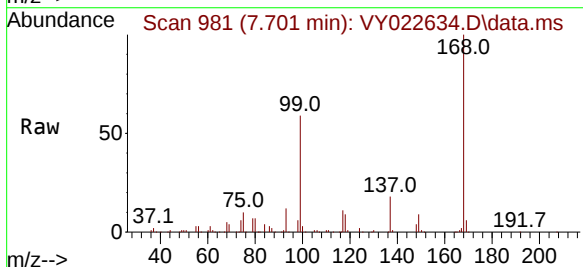
Instrument :
MSVOA_Y
ClientSampleId :
TP12-MHK-VOC

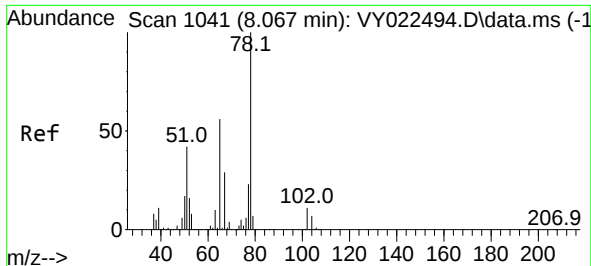
Tgt Ion:	84	Resp:	11548
Ion	Ratio	Lower	Upper
84	100		
49	113.8	101.9	152.9
51	38.6	29.8	44.8
86	50.5	51.3	76.9#



#31
Cyclohexane
Concen: 1.417 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022634.D
Acq: 09 Jun 2025 16:43

Tgt Ion:	56	Resp:	8106
Ion	Ratio	Lower	Upper
56	100		
69	106.9	27.0	40.6#
84	121.5	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 50.722 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022634.D

Acq: 09 Jun 2025 16:43

Instrument :

MSVOA_Y

ClientSampleId :

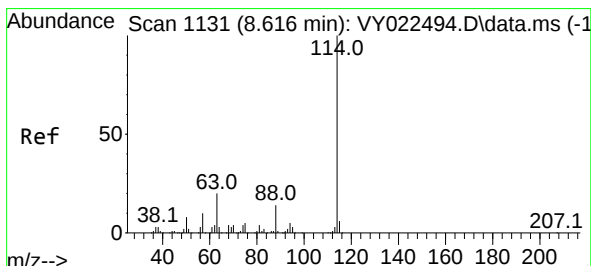
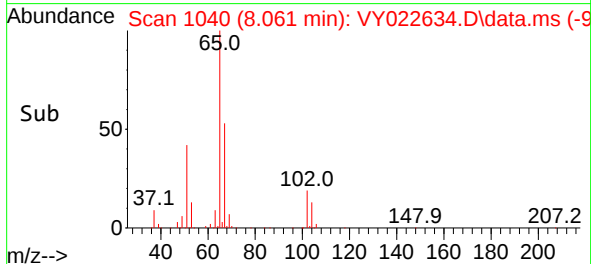
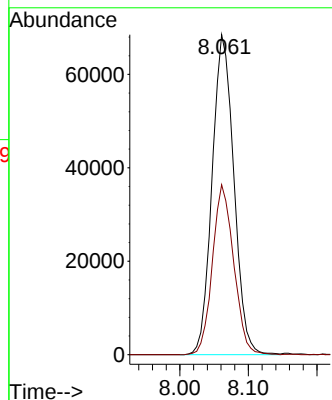
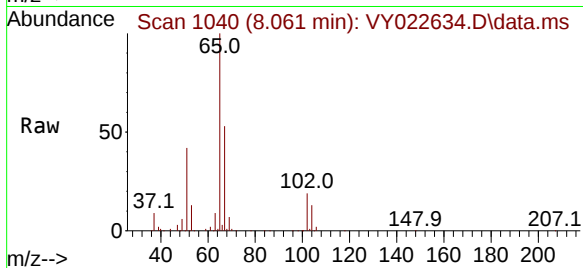
TP12-MHK-VOC

Tgt Ion: 65 Resp: 151024

Ion Ratio Lower Upper

65 100

67 51.9 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: VY022634.D

Acq: 09 Jun 2025 16:43

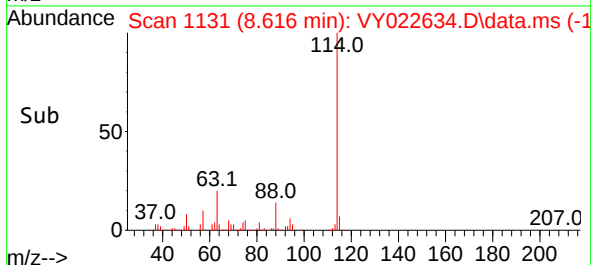
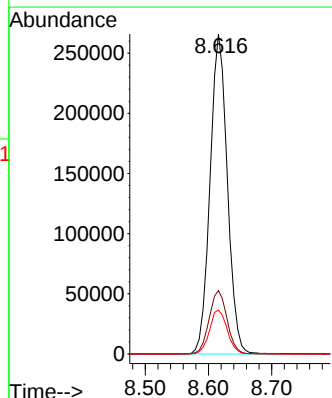
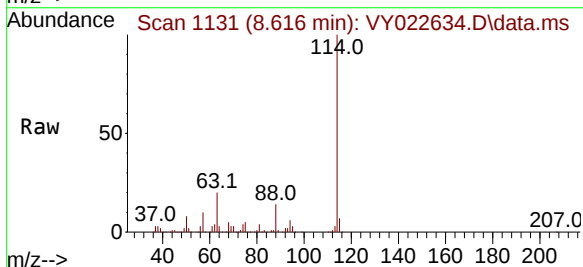
Tgt Ion: 114 Resp: 505404

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 13.7 0.0 27.8

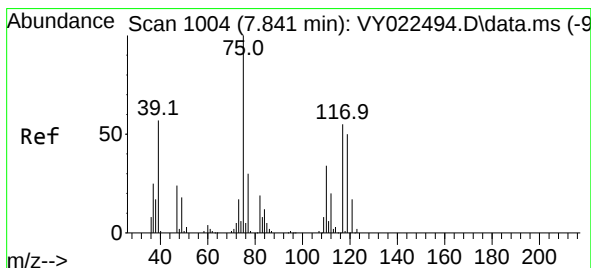
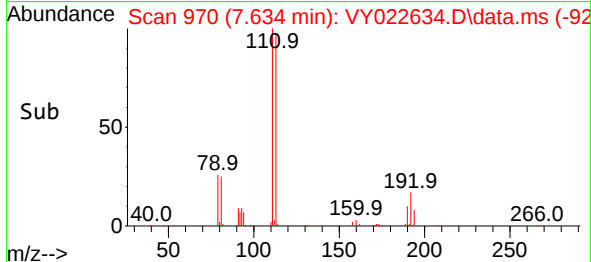
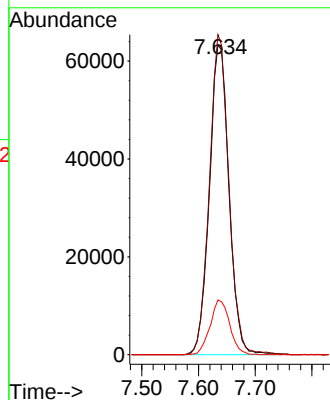
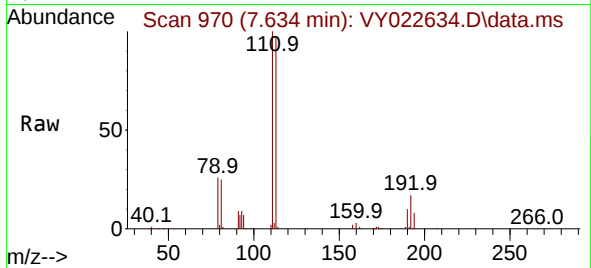




#35
Dibromofluoromethane
Concen: 50.300 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022634.D
Acq: 09 Jun 2025 16:43

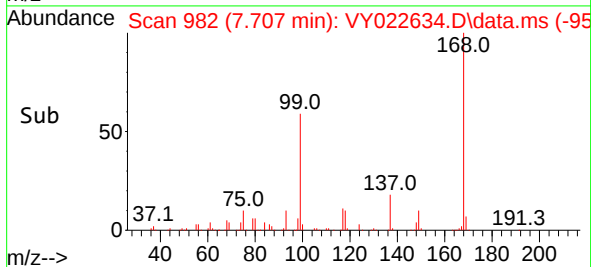
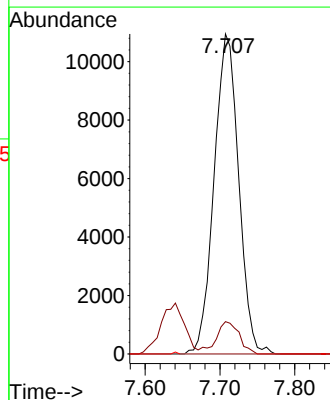
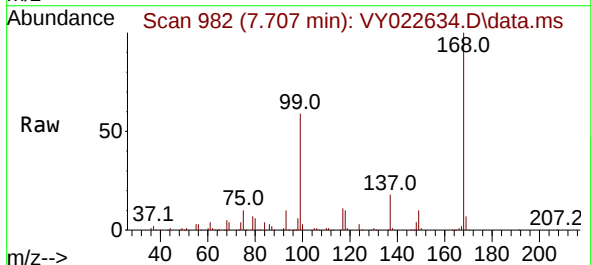
Instrument :
MSVOA_Y
ClientSampleId :
TP12-MHK-VOC

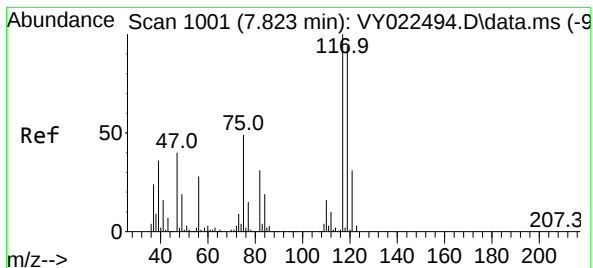
Tgt Ion:113 Resp: 151738
Ion Ratio Lower Upper
113 100
111 102.5 81.1 121.7
192 17.7 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.111 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022634.D
Acq: 09 Jun 2025 16:43

Tgt Ion: 75 Resp: 25024
Ion Ratio Lower Upper
75 100
110 9.4 16.9 50.7#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.511 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY022634.D

Acq: 09 Jun 2025 16:43

Instrument :

MSVOA_Y

ClientSampleId :

TP12-MHK-VOC

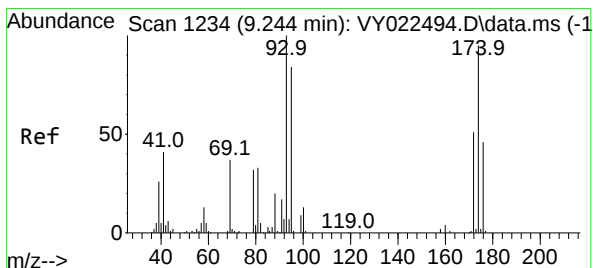
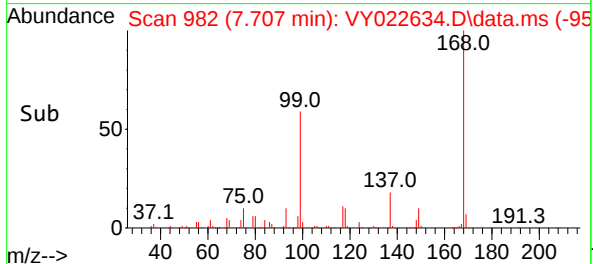
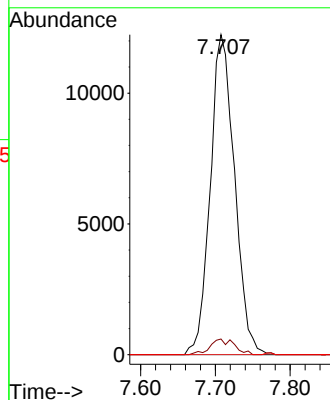
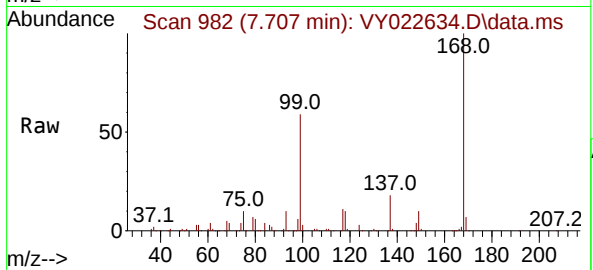
Tgt Ion:117 Resp: 27682

Ion Ratio Lower Upper

117 100

119 4.9 75.0 112.6#

121 0.0 25.0 37.4#



#49

1,4-Dioxane

Concen: 1.054 ug/l

RT: 9.250 min Scan# 1235

Delta R.T. 0.006 min

Lab File: VY022634.D

Acq: 09 Jun 2025 16:43

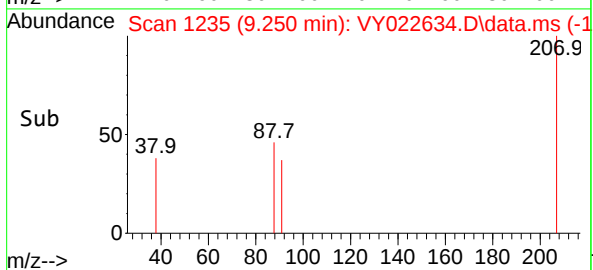
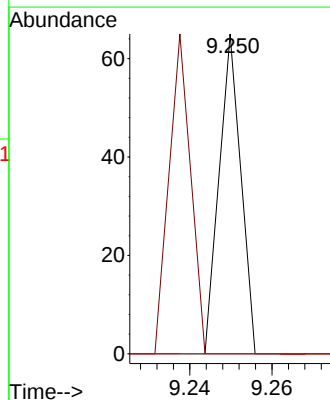
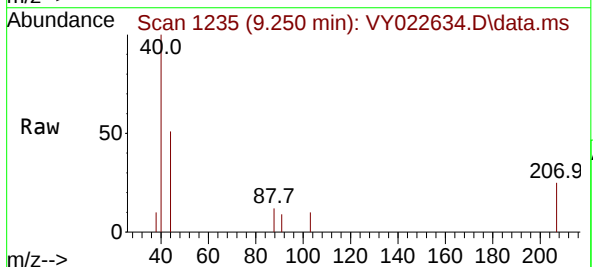
Tgt Ion: 88 Resp: 24

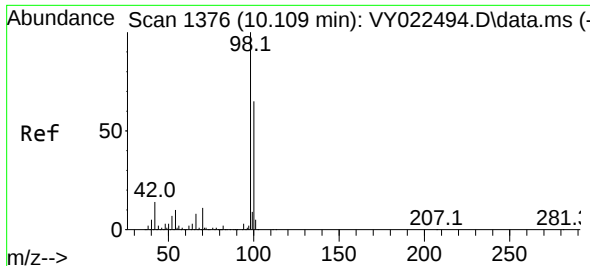
Ion Ratio Lower Upper

88 100

43 100.0 25.4 38.2#

58 0.0 54.9 82.3#

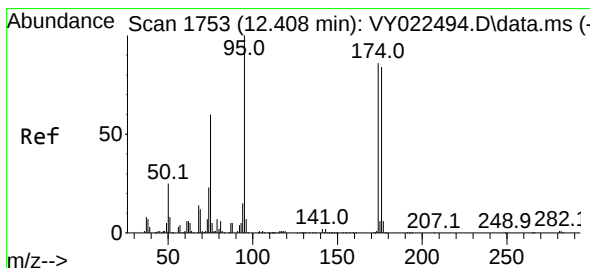
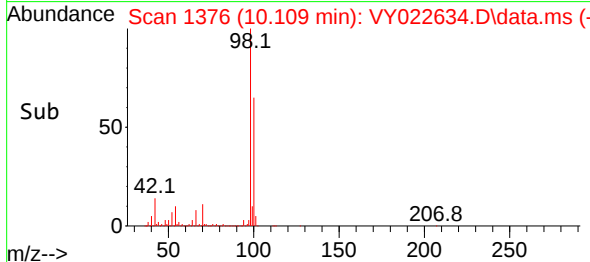
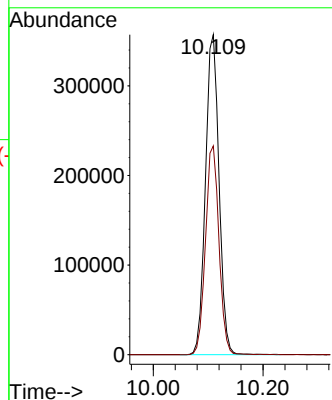
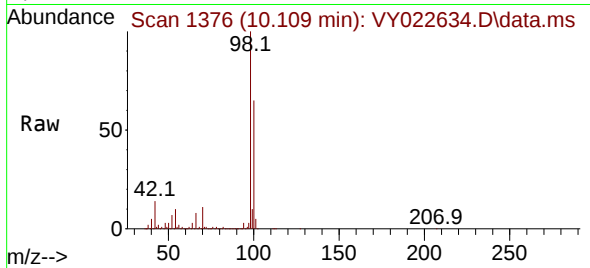




#50
Toluene-d8
Concen: 50.073 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022634.D
Acq: 09 Jun 2025 16:43

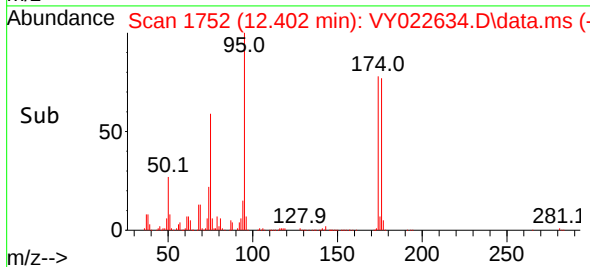
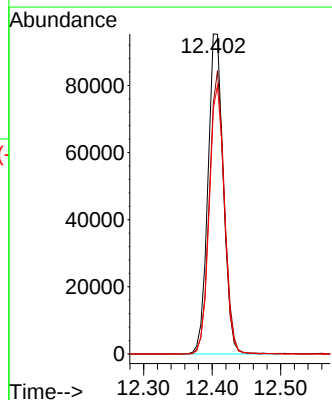
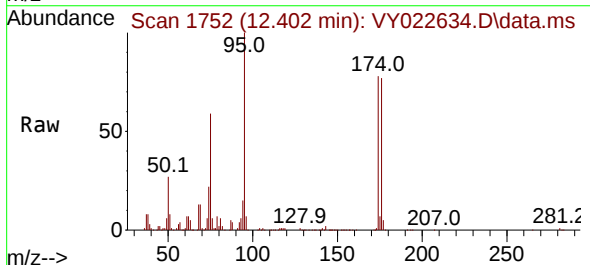
Instrument :
MSVOA_Y
ClientSampleId :
TP12-MHK-VOC

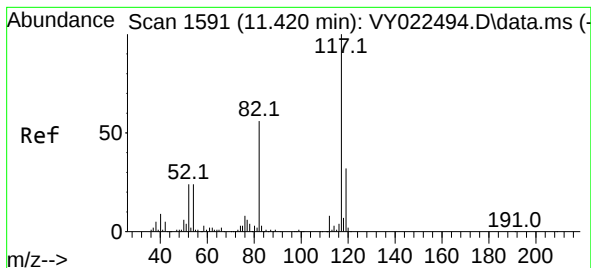
Tgt Ion: 98 Resp: 610347
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 40.997 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022634.D
Acq: 09 Jun 2025 16:43

Tgt Ion: 95 Resp: 148893
Ion Ratio Lower Upper
95 100
174 86.5 0.0 170.0
176 82.7 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.006 min

Lab File: VY022634.D

Acq: 09 Jun 2025 16:43

Instrument :

MSVOA_Y

ClientSampleId :

TP12-MHK-VOC

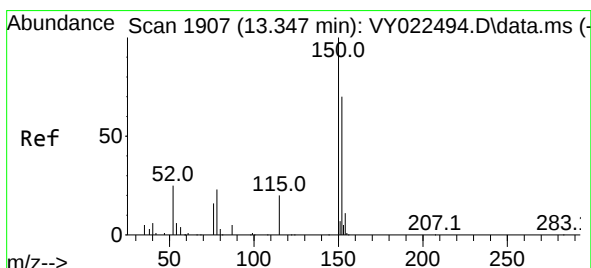
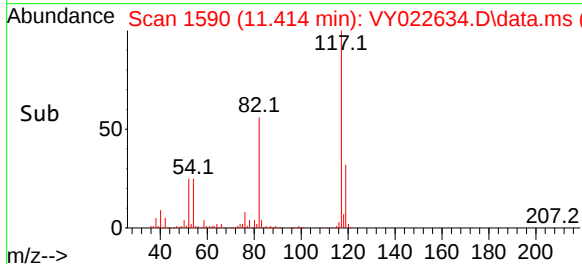
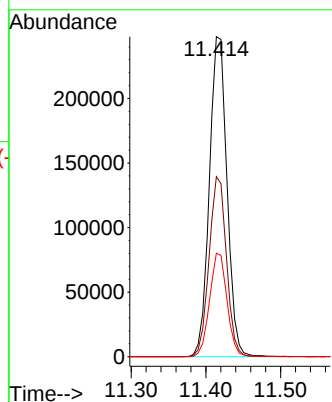
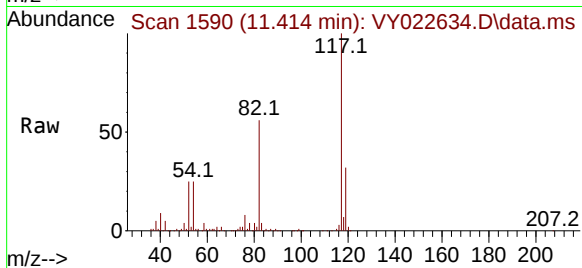
Tgt Ion:117 Resp: 405893

Ion Ratio Lower Upper

117 100

82 56.2 44.6 66.8

119 32.3 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022634.D

Acq: 09 Jun 2025 16:43

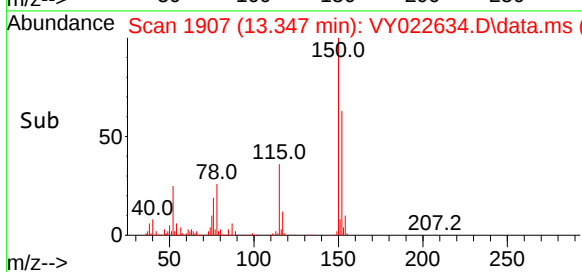
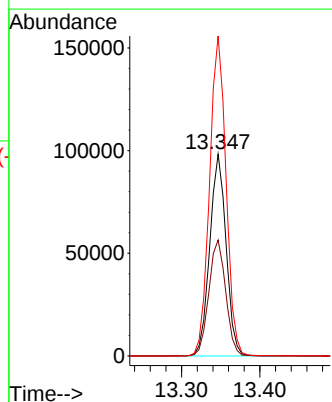
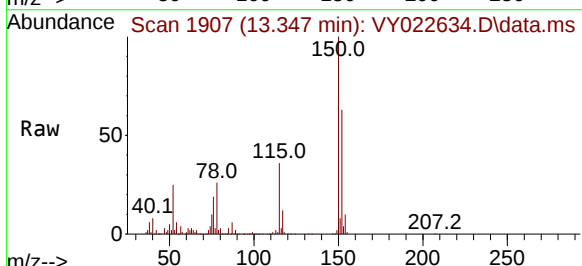
Tgt Ion:152 Resp: 142510

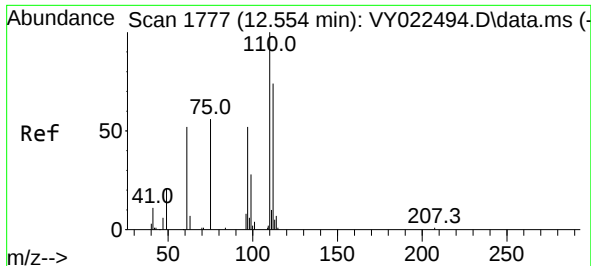
Ion Ratio Lower Upper

152 100

115 59.3 28.9 86.7

150 159.6 0.0 349.6

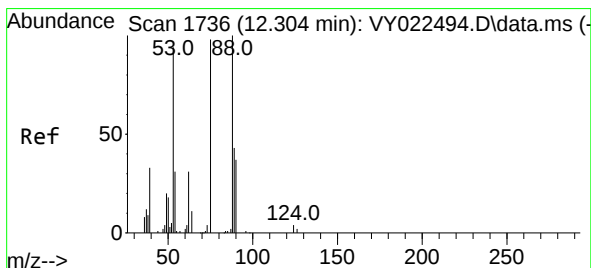
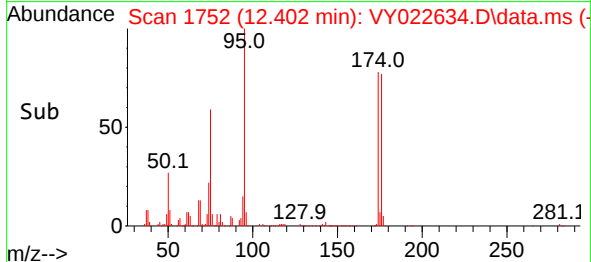
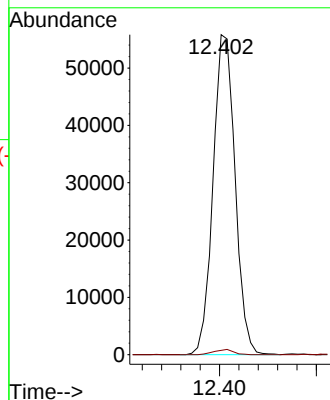
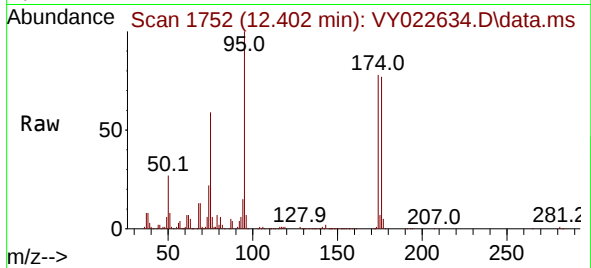




#76
1,2,3-Trichloropropane
Concen: 54.098 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022634.D
Acq: 09 Jun 2025 16:43

Instrument :
MSVOA_Y
ClientSampleId :
TP12-MHK-VOC

Tgt Ion: 75 Resp: 88199
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.643 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022634.D
Acq: 09 Jun 2025 16:43

Tgt Ion: 75 Resp: 88199
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.1 35.7 53.5#

