

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061325\
 Data File : VY022688.D
 Acq On : 13 Jun 2025 11:31
 Operator : SY/MD
 Sample : Q2311-02
 Misc : 5.14g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP03-MH2MH3-VOC

Quant Time: Jun 14 02:03:08 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)

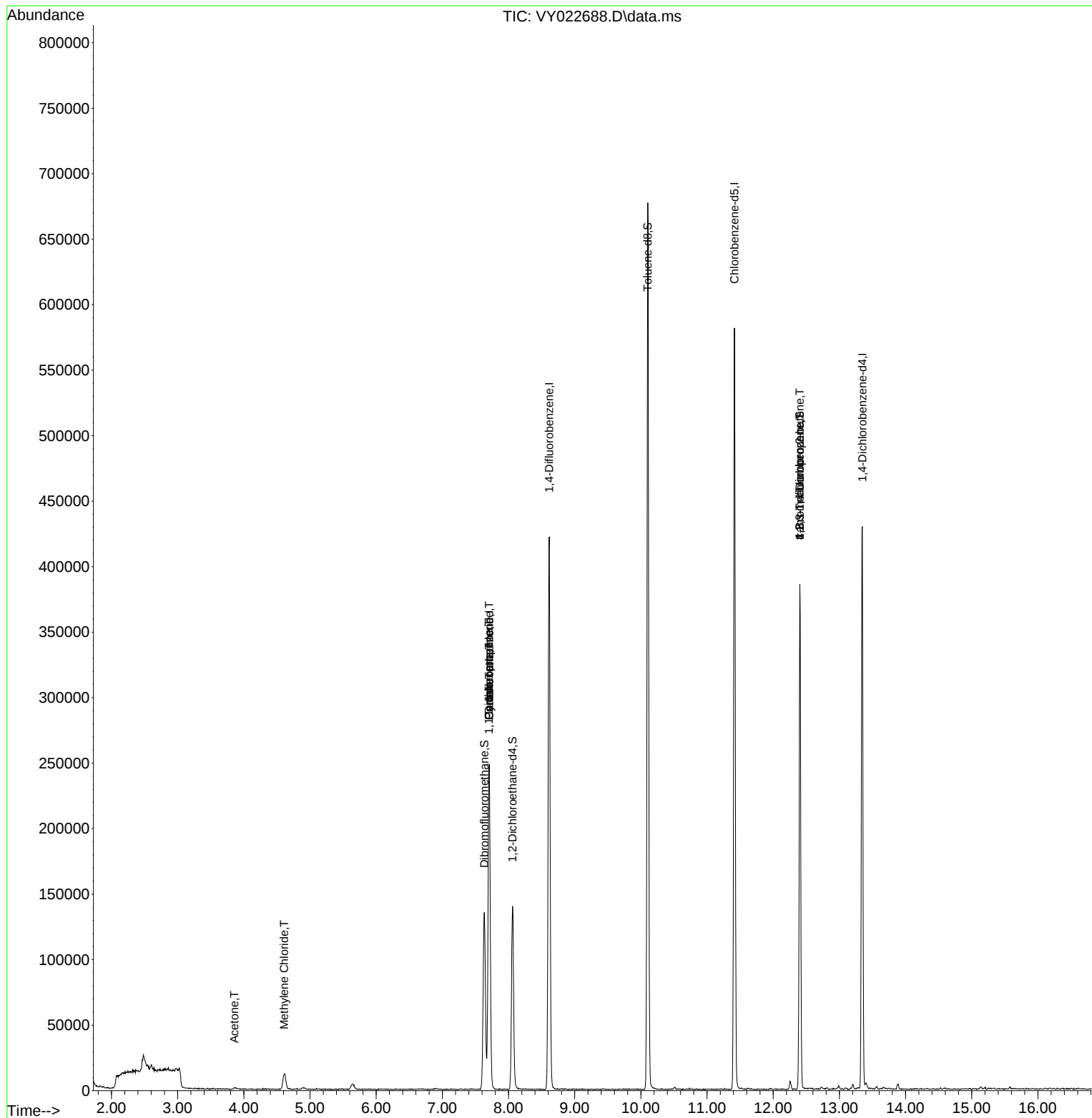
Internal Standards						
1) Pentafluorobenzene	7.707	168	187516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	350260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	281145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	100963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104295	49.729	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.460%
35) Dibromofluoromethane	7.634	113	95990	45.914	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.820%
50) Toluene-d8	10.103	98	423046	50.080	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.160%
62) 4-Bromofluorobenzene	12.401	95	104912	41.683	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.360%
Target Compounds						
					Qvalue	
16) Acetone	3.854	43	691	1.622	ug/l #	83
20) Methylene Chloride	4.610	84	8654	3.577	ug/l	96
31) Cyclohexane	7.707	56	5218	1.295	ug/l #	49
36) 1,1-Dichloropropene	7.701	75	17123	5.046	ug/l #	51
38) Carbon Tetrachloride	7.707	117	19401	5.574	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	61442	53.194	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	61442	128.460	ug/l #	10

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

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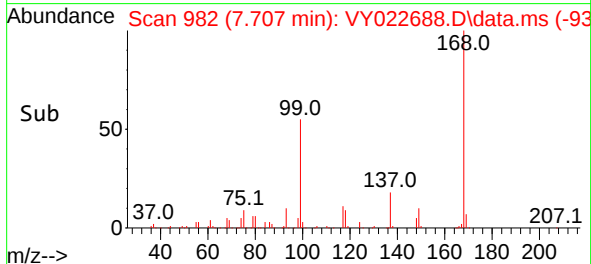
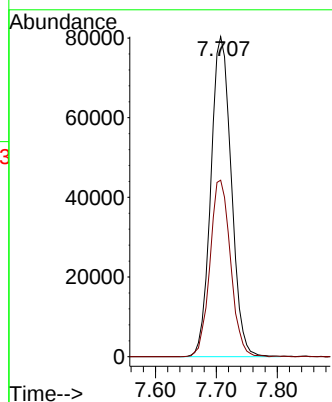
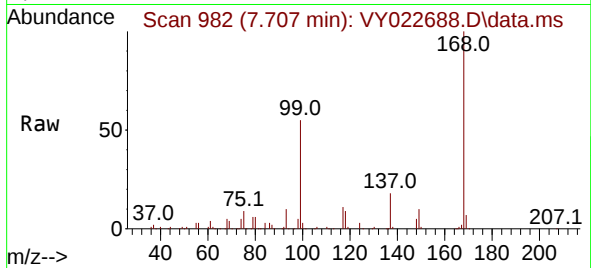




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022688.D
Acq: 13 Jun 2025 11:31

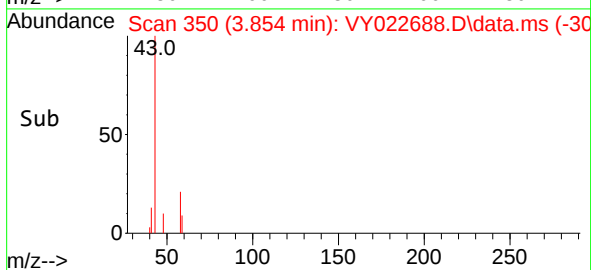
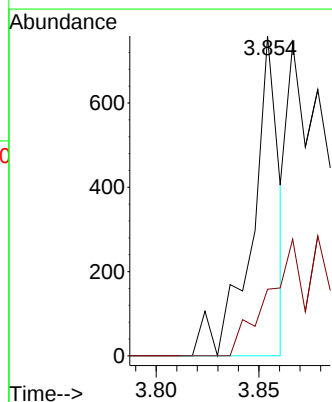
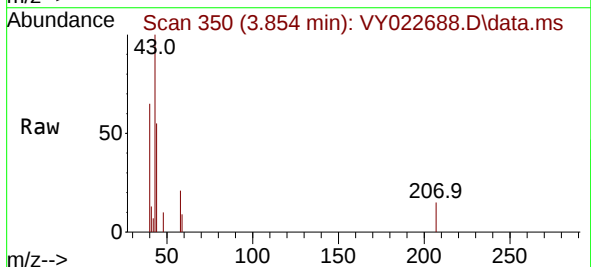
Instrument :
MSVOA_Y
ClientSampleId :
TP03-MH2MH3-VOC

Tgt Ion:168 Resp: 187516
Ion Ratio Lower Upper
168 100
99 55.2 44.3 66.5



#16
Acetone
Concen: 1.622 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.025 min
Lab File: VY022688.D
Acq: 13 Jun 2025 11:31

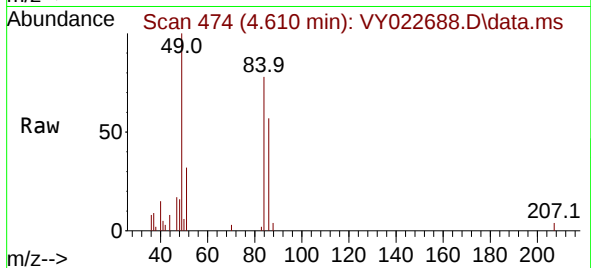
Tgt Ion: 43 Resp: 691
Ion Ratio Lower Upper
43 100
58 20.8 24.0 36.0#



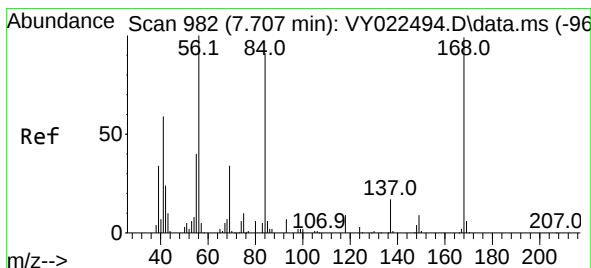
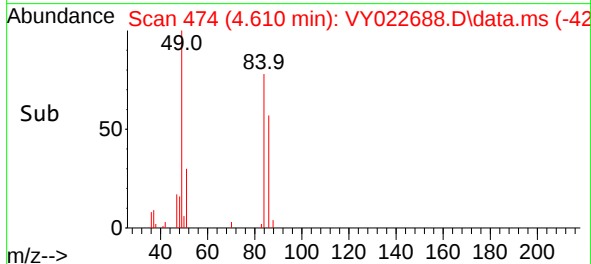
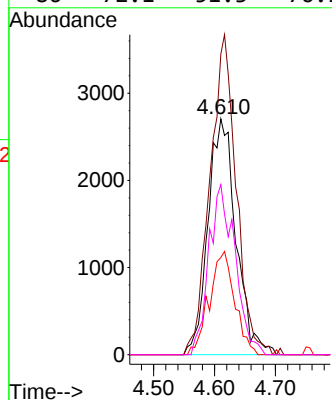


#20
Methylene Chloride
Concen: 3.577 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022688.D
Acq: 13 Jun 2025 11:31

Instrument :
MSVOA_Y
ClientSampleId :
TP03-MH2MH3-VOC

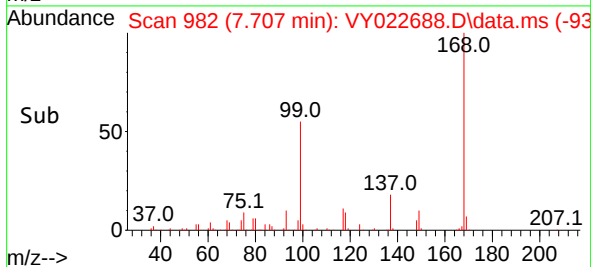
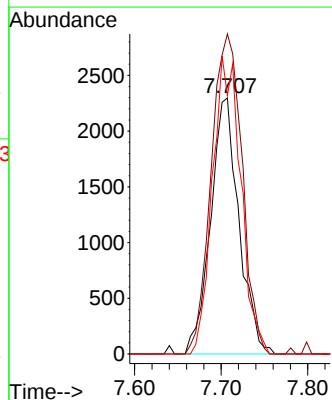
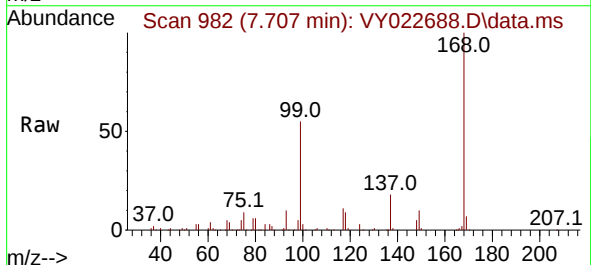


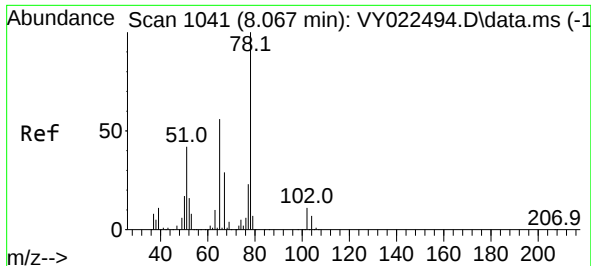
Tgt Ion:	84	Resp:	8654
Ion	Ratio	Lower	Upper
84	100		
49	127.4	101.9	152.9
51	41.2	29.8	44.8
86	72.1	51.3	76.9



#31
Cyclohexane
Concen: 1.295 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022688.D
Acq: 13 Jun 2025 11:31

Tgt Ion:	56	Resp:	5218
Ion	Ratio	Lower	Upper
56	100		
69	125.0	27.0	40.6#
84	101.0	72.6	109.0





#33

1,2-Dichloroethane-d4

Concen: 49.729 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022688.D

Acq: 13 Jun 2025 11:31

Instrument :

MSVOA_Y

ClientSampleId :

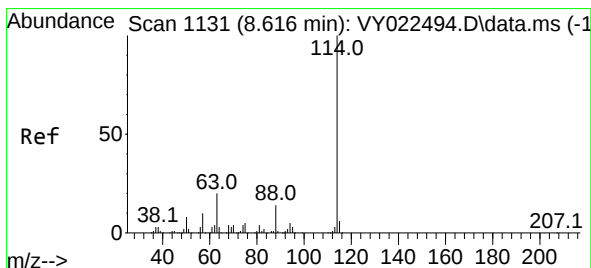
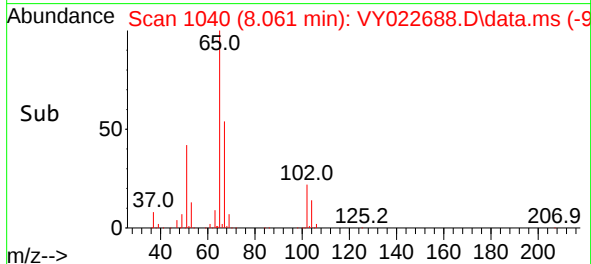
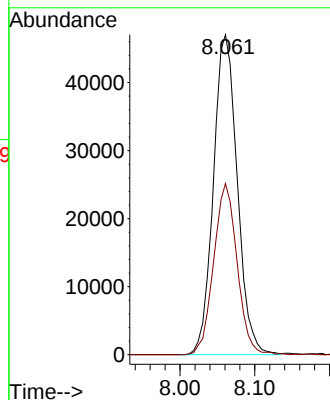
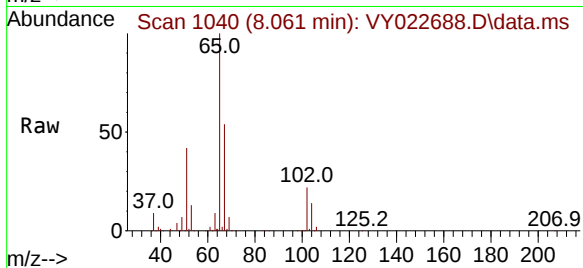
TP03-MH2MH3-VOC

Tgt Ion: 65 Resp: 104295

Ion Ratio Lower Upper

65 100

67 52.5 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: VY022688.D

Acq: 13 Jun 2025 11:31

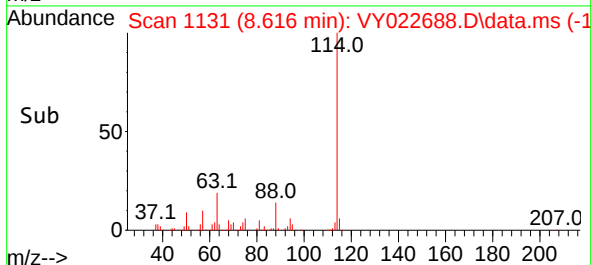
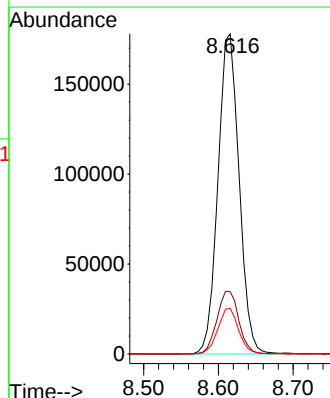
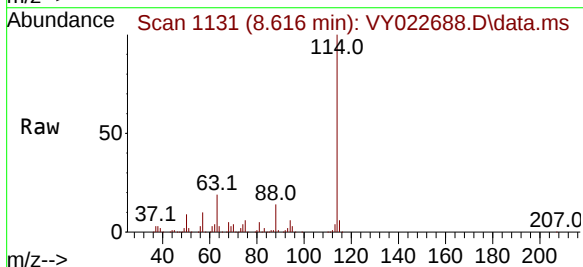
Tgt Ion: 114 Resp: 350260

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

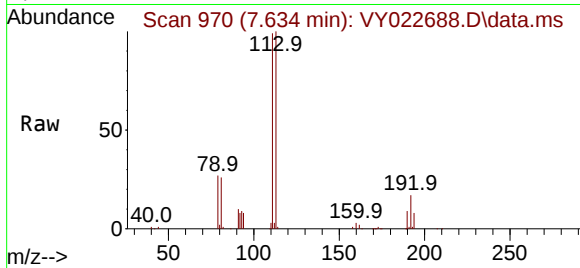
88 14.3 0.0 27.8



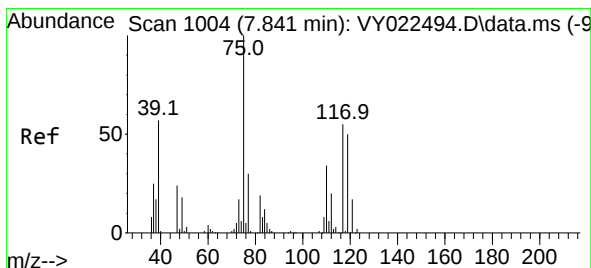
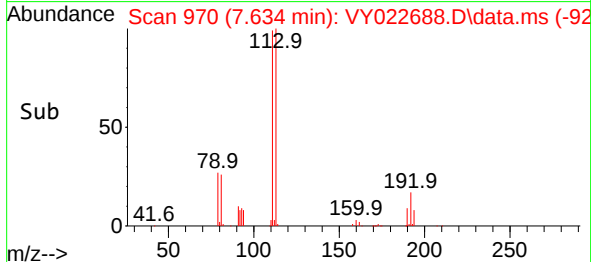
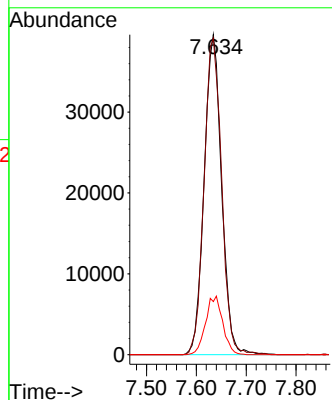


#35
Dibromofluoromethane
Concen: 45.914 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022688.D
Acq: 13 Jun 2025 11:31

Instrument :
MSVOA_Y
ClientSampleId :
TP03-MH2MH3-VOC

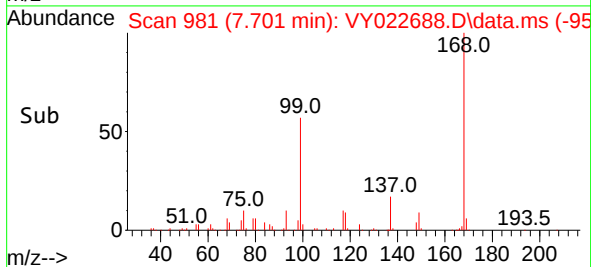
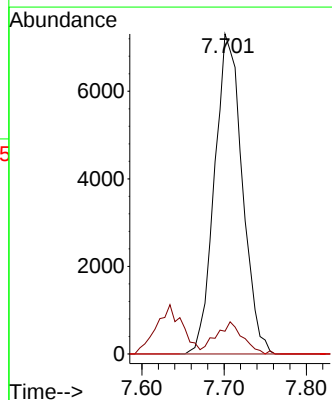
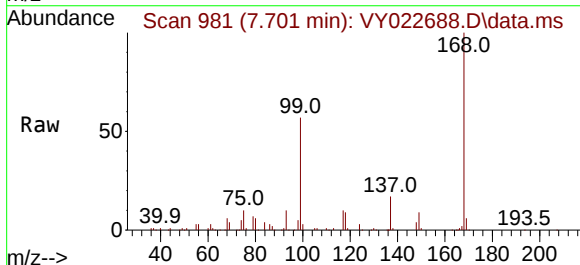


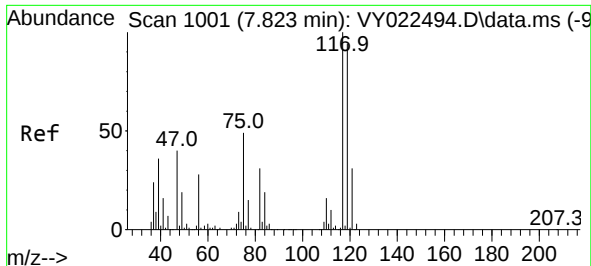
Tgt Ion:113 Resp: 95990
Ion Ratio Lower Upper
113 100
111 99.5 81.1 121.7
192 18.0 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.046 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022688.D
Acq: 13 Jun 2025 11:31

Tgt Ion: 75 Resp: 17123
Ion Ratio Lower Upper
75 100
110 9.8 16.9 50.7#
77 0.0 24.8 37.2#

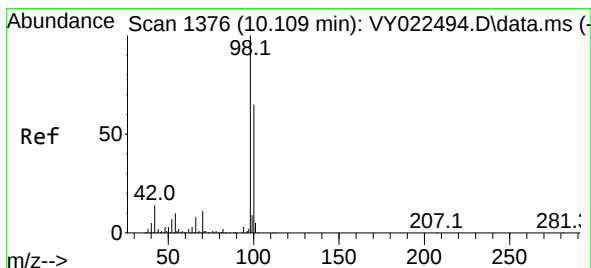
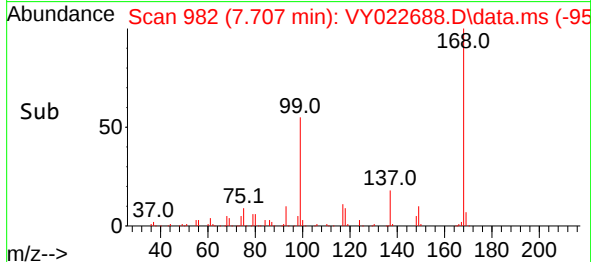
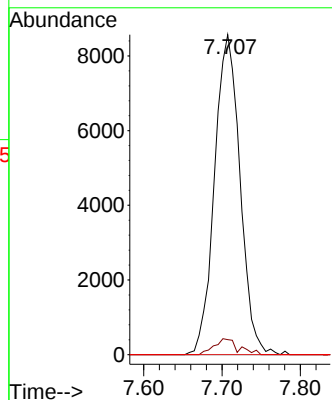
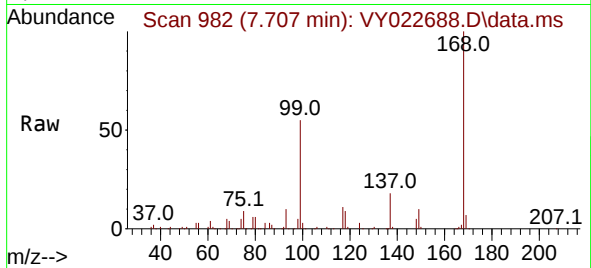




#38
Carbon Tetrachloride
Concen: 5.574 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022688.D
Acq: 13 Jun 2025 11:31

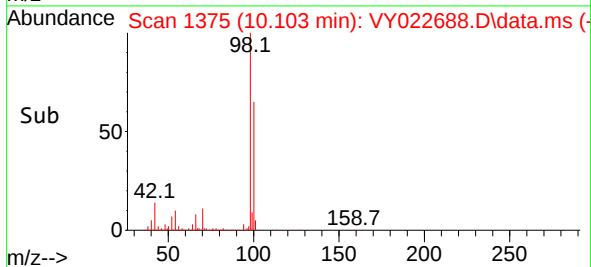
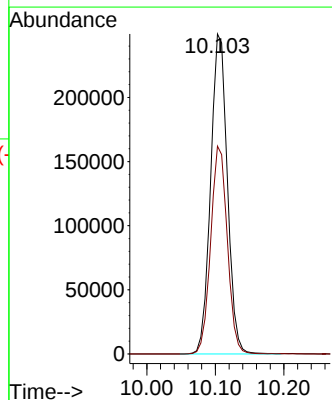
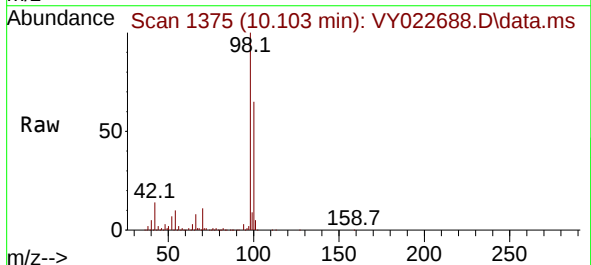
Instrument :
MSVOA_Y
ClientSampleId :
TP03-MH2MH3-VOC

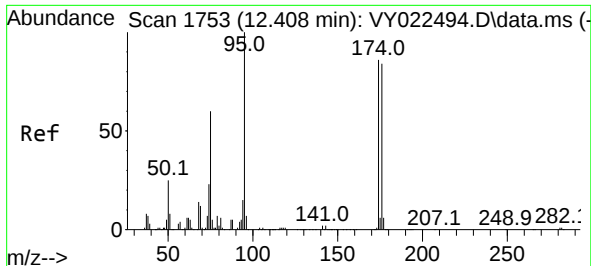
Tgt Ion:117 Resp: 19401
Ion Ratio Lower Upper
117 100
119 4.7 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.080 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022688.D
Acq: 13 Jun 2025 11:31

Tgt Ion: 98 Resp: 423046
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0

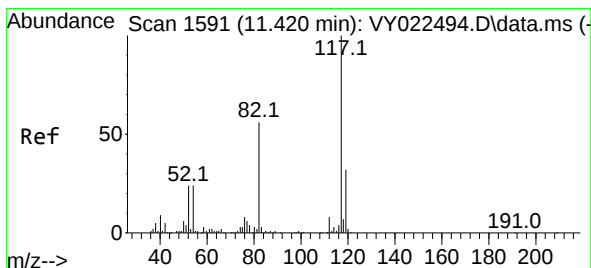
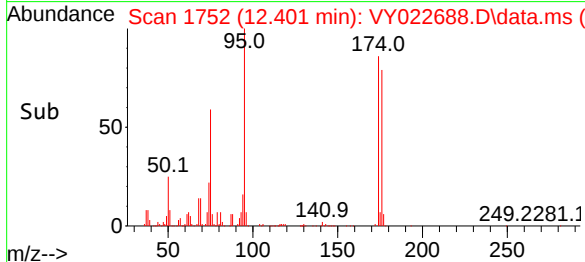
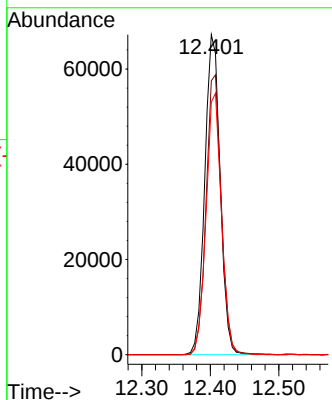
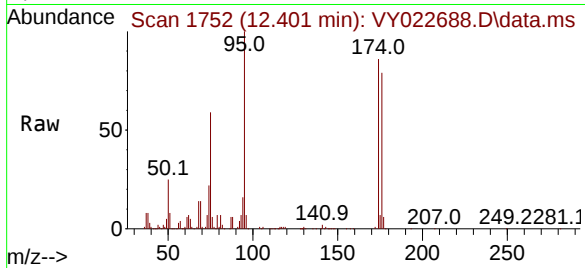




#62
4-Bromofluorobenzene
Concen: 41.683 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022688.D
Acq: 13 Jun 2025 11:31

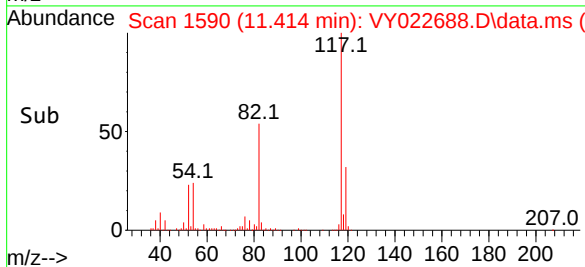
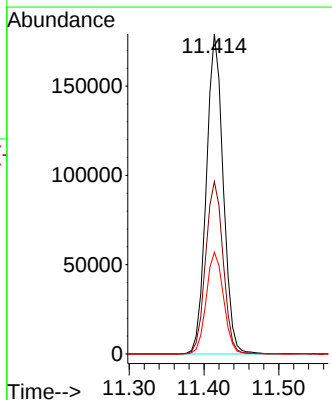
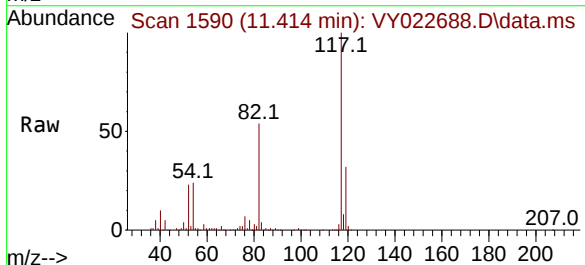
Instrument :
MSVOA_Y
ClientSampleId :
TP03-MH2MH3-VOC

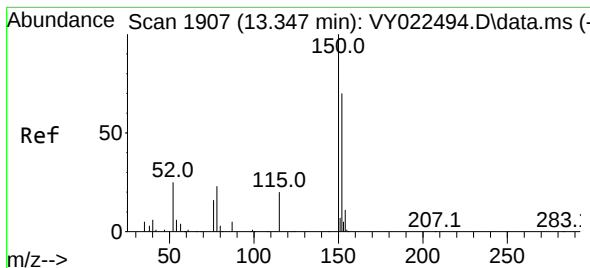
Tgt Ion: 95 Resp: 104912
Ion Ratio Lower Upper
95 100
174 87.3 0.0 170.0
176 81.8 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022688.D
Acq: 13 Jun 2025 11:31

Tgt Ion: 117 Resp: 281145
Ion Ratio Lower Upper
117 100
82 53.8 44.6 66.8
119 31.8 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: VY022688.D

Acq: 13 Jun 2025 11:31

Instrument :

MSVOA_Y

ClientSampleId :

TP03-MH2MH3-VOC

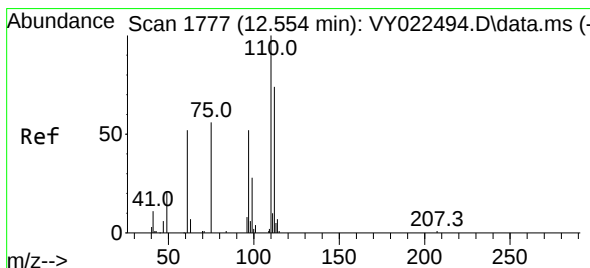
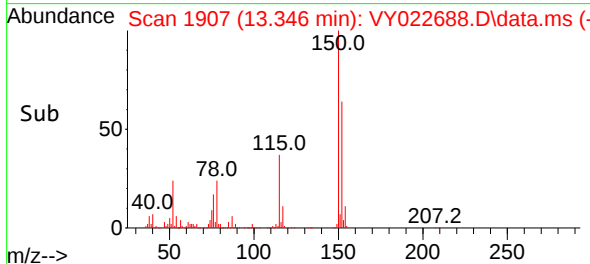
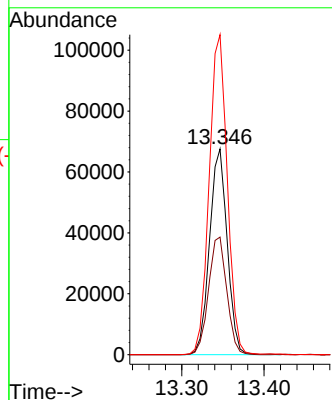
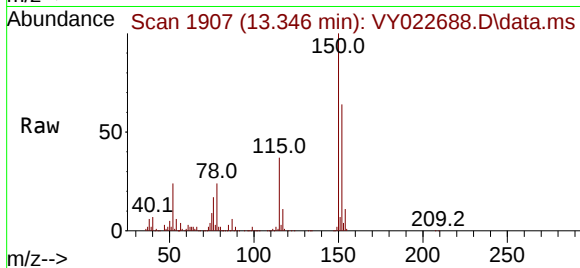
Tgt Ion:152 Resp: 100963

Ion Ratio Lower Upper

152 100

115 59.0 28.9 86.7

150 158.9 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 53.194 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022688.D

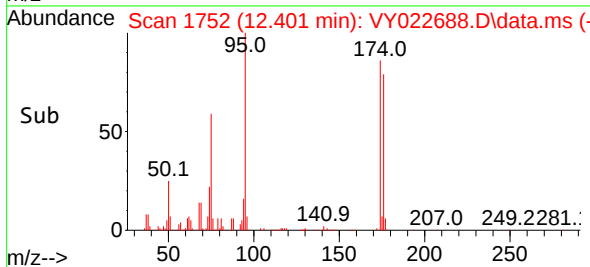
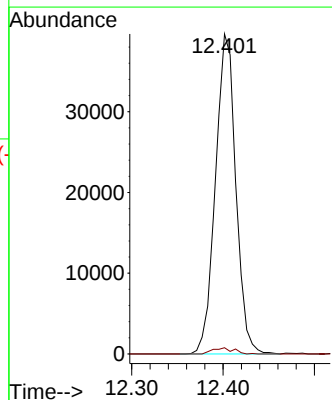
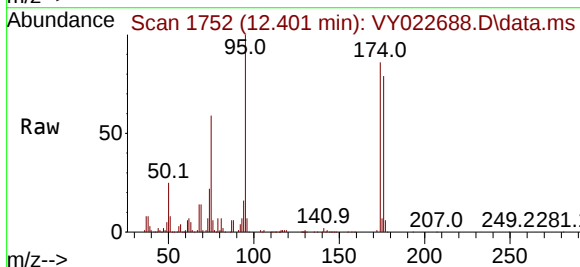
Acq: 13 Jun 2025 11:31

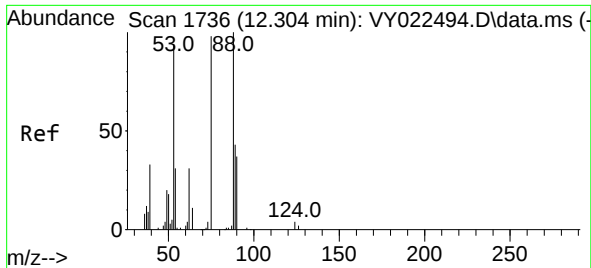
Tgt Ion: 75 Resp: 61442

Ion Ratio Lower Upper

75 100

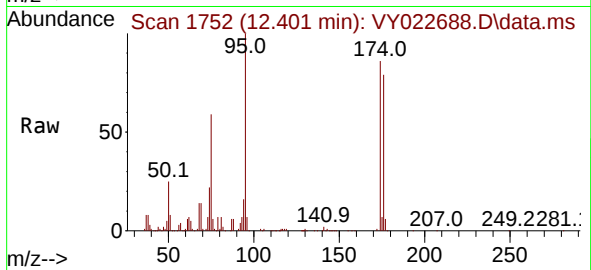
77 2.0 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 128.460 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY022688.D
Acq: 13 Jun 2025 11:31

Instrument :
MSVOA_Y
ClientSampleId :
TP03-MH2MH3-VOC



Tgt Ion: 75 Resp: 61442
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.0 35.7 53.5#

