

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022341.D
 Acq On : 20 May 2025 14:35
 Operator : SY/MD
 Sample : Q2080-08
 Misc : 4.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-HRH-VOC-02

Quant Time: May 21 01:49:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

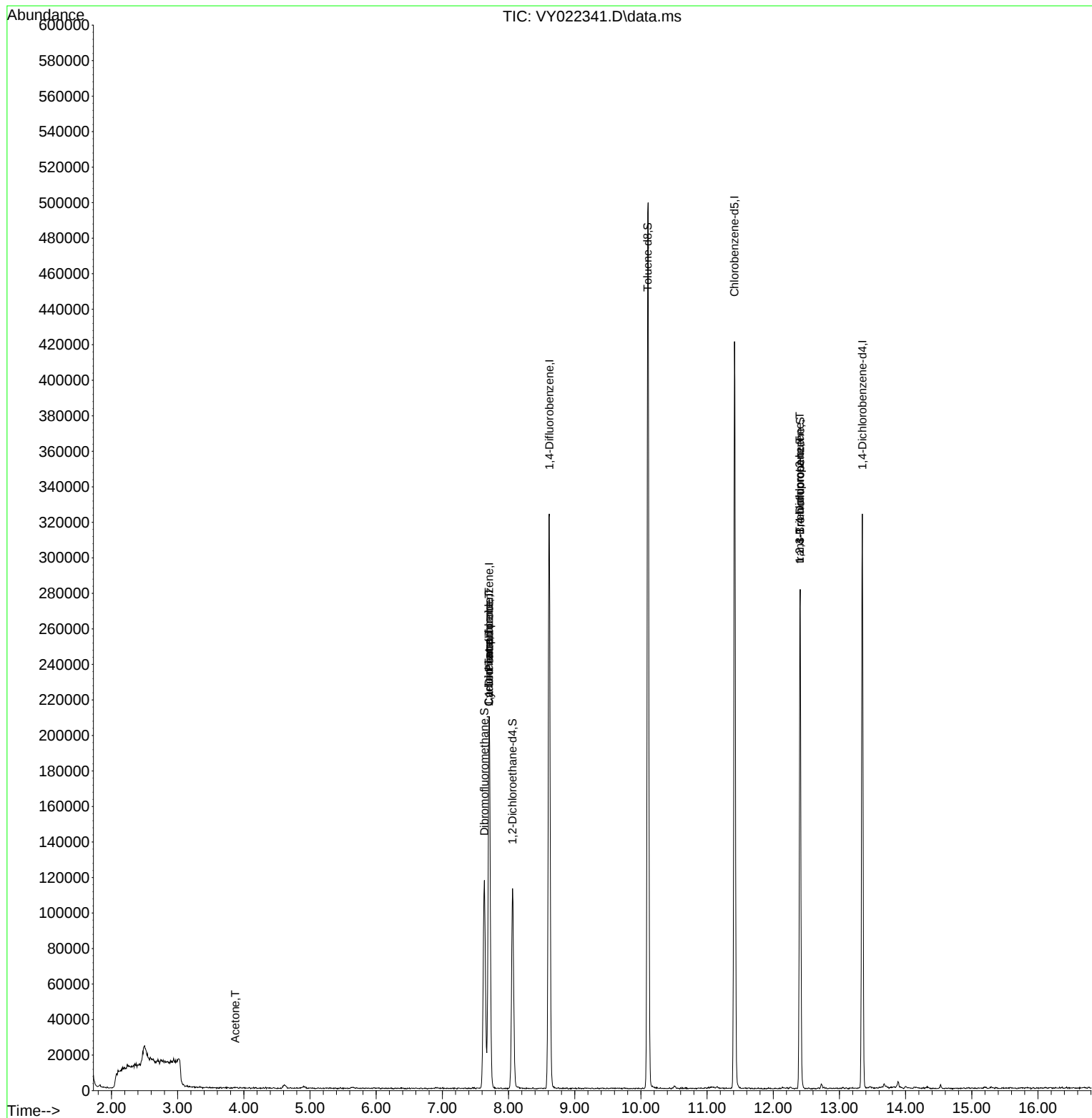
Internal Standards						
1) Pentafluorobenzene	7.707	168	156788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	273549	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	208140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	74073	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	84357	49.230	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.460%
35) Dibromofluoromethane	7.634	113	79829	48.894	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.780%
50) Toluene-d8	10.103	98	315374	47.163	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.320%
62) 4-Bromofluorobenzene	12.408	95	78243	36.916	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	73.840%
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	500	1.556	ug/l #	71
31) Cyclohexane	7.701	56	4422	1.276	ug/l #	45
36) 1,1-Dichloropropene	7.701	75	13794	5.129	ug/l #	51
38) Carbon Tetrachloride	7.701	117	15692	5.637	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	44658	59.509	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	44658	120.551	ug/l #	12

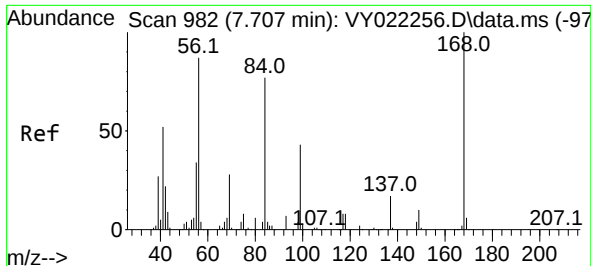
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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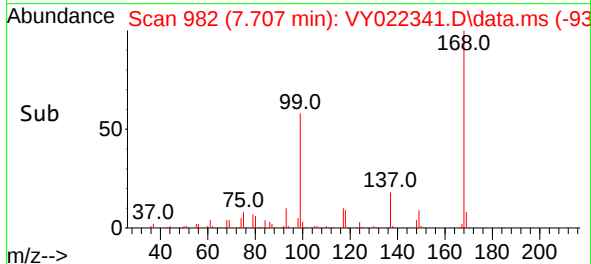
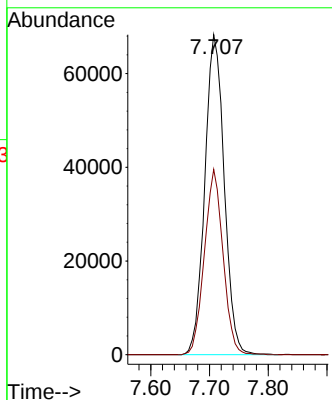
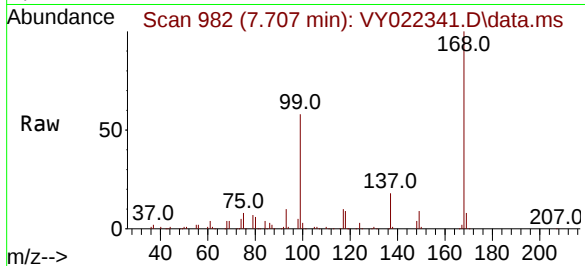




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022341.D
Acq: 20 May 2025 14:35

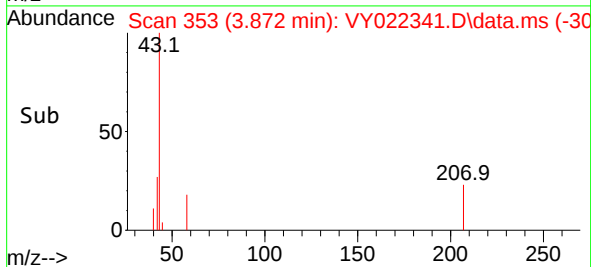
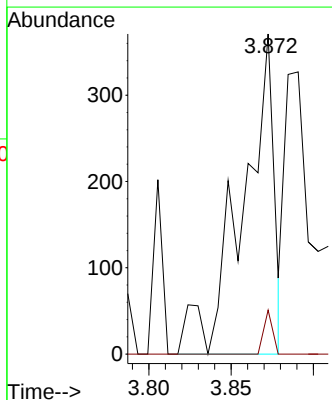
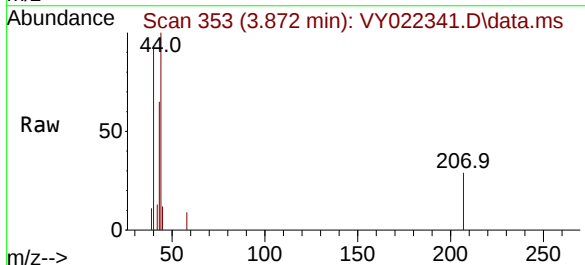
Instrument :
MSVOA_Y
ClientSampleId :
PL-HRH-VOC-02

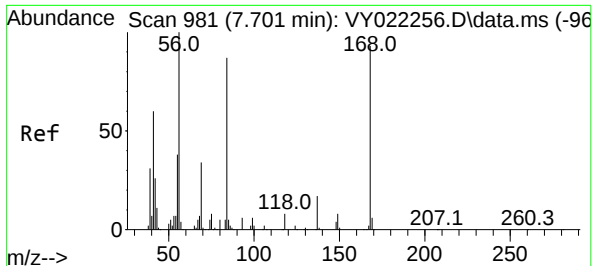
Tgt Ion:168 Resp: 156788
Ion Ratio Lower Upper
168 100
99 57.9 44.2 66.4



#16
Acetone
Concen: 1.556 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022341.D
Acq: 20 May 2025 14:35

Tgt Ion: 43 Resp: 500
Ion Ratio Lower Upper
43 100
58 13.7 23.6 35.4#

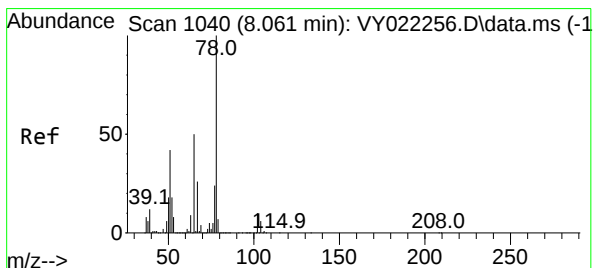
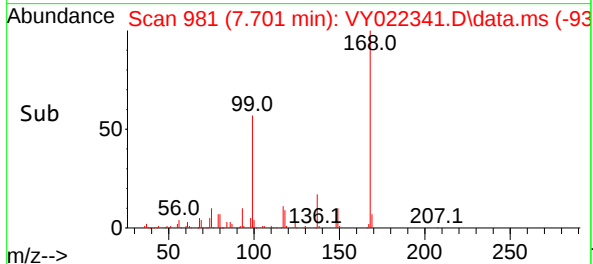
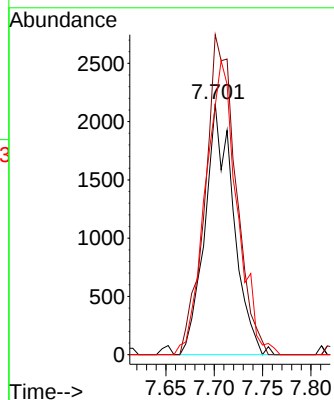
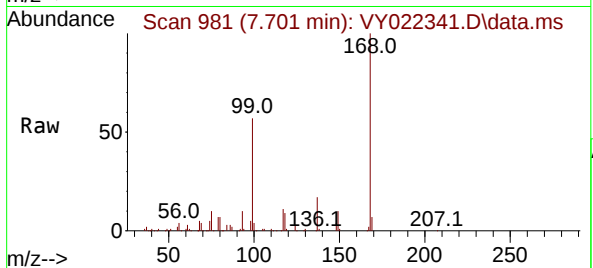




#31
Cyclohexane
Concen: 1.276 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022341.D
Acq: 20 May 2025 14:35

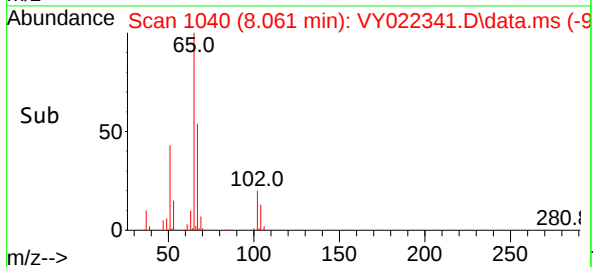
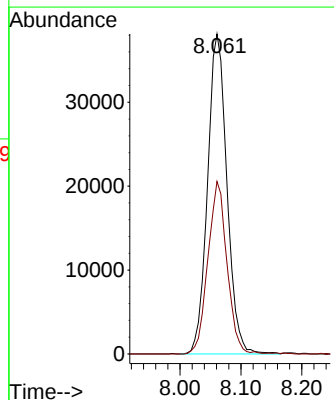
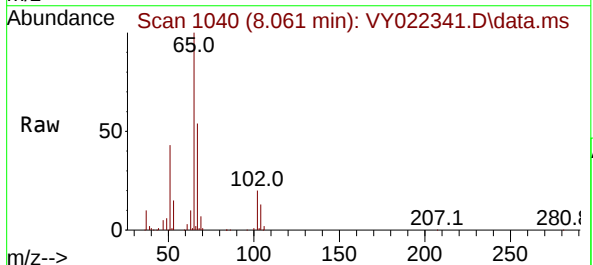
Instrument :
MSVOA_Y
ClientSampleId :
PL-HRH-VOC-02

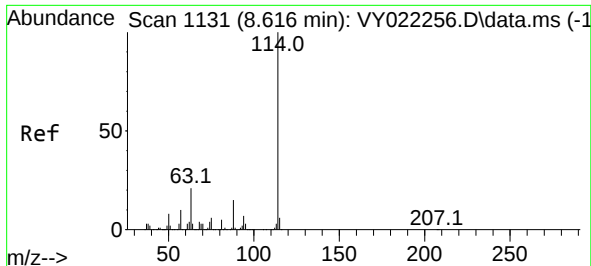
Tgt Ion: 56 Resp: 4422
Ion Ratio Lower Upper
56 100
69 127.4 27.4 41.2#
84 99.1 70.0 105.0



#33
1,2-Dichloroethane-d4
Concen: 49.230 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022341.D
Acq: 20 May 2025 14:35

Tgt Ion: 65 Resp: 84357
Ion Ratio Lower Upper
65 100
67 53.0 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: VY022341.D

Acq: 20 May 2025 14:35

Instrument :

MSVOA_Y

ClientSampleId :

PL-HRH-VOC-02

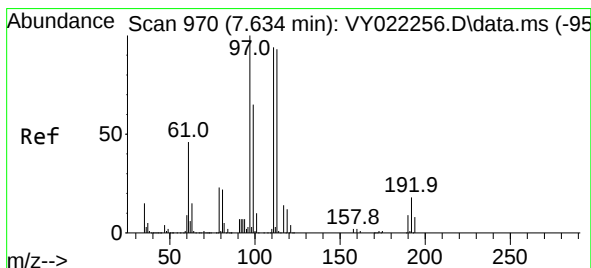
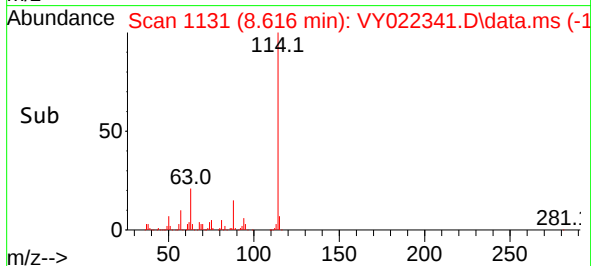
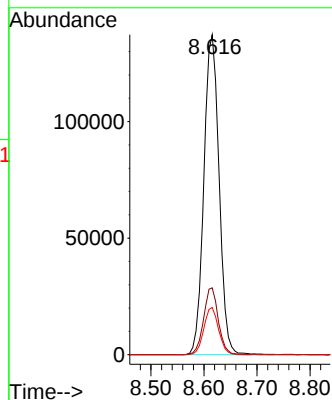
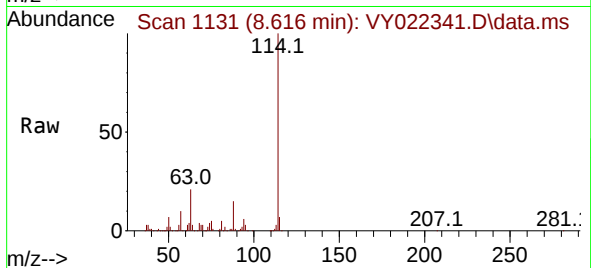
Tgt Ion:114 Resp: 273549

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.0

88 14.8 0.0 29.4



#35

Dibromofluoromethane

Concen: 48.894 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022341.D

Acq: 20 May 2025 14:35

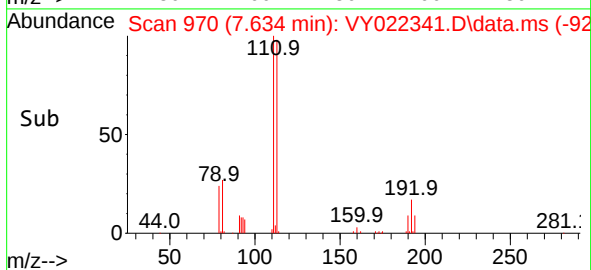
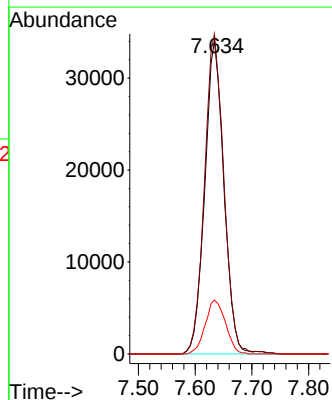
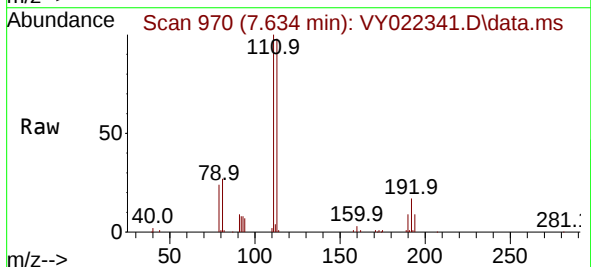
Tgt Ion:113 Resp: 79829

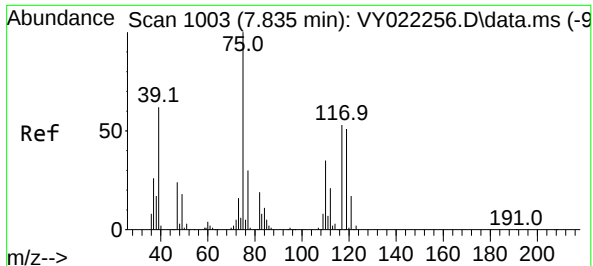
Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

192 18.2 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.129 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY022341.D

Acq: 20 May 2025 14:35

Instrument :

MSVOA_Y

ClientSampleId :

PL-HRH-VOC-02

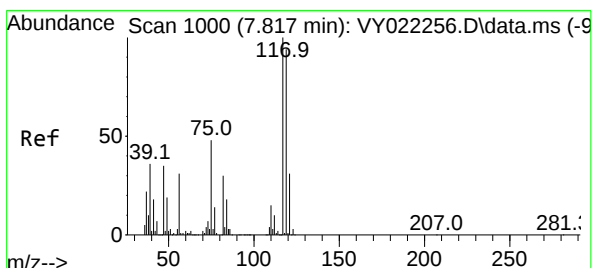
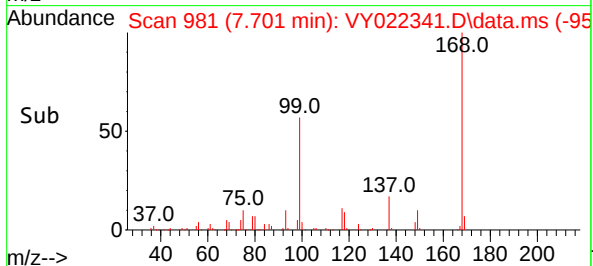
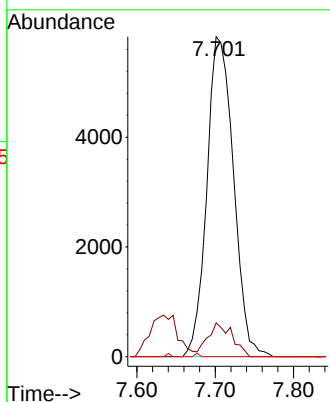
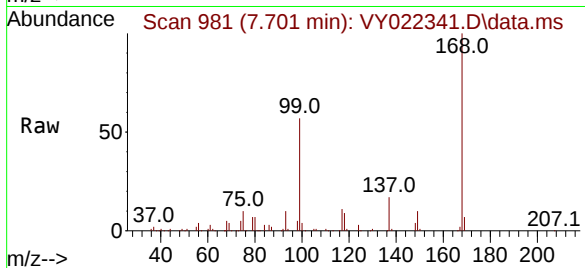
Tgt Ion: 75 Resp: 13794

Ion Ratio Lower Upper

75 100

110 9.6 16.6 49.8#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.637 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY022341.D

Acq: 20 May 2025 14:35

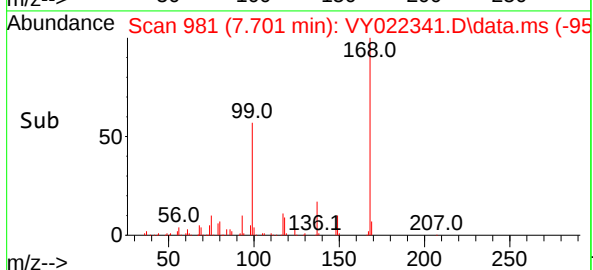
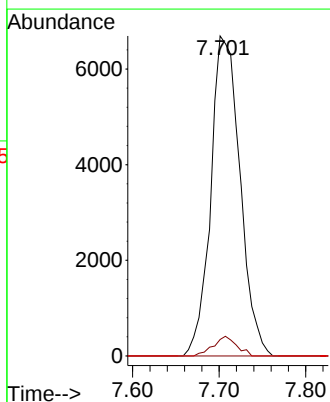
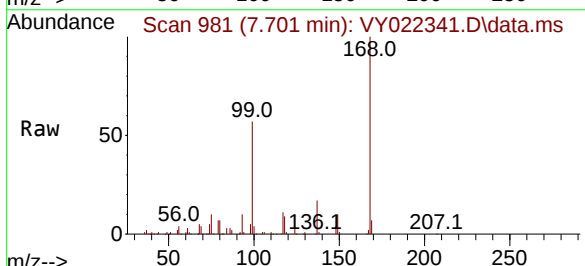
Tgt Ion: 117 Resp: 15692

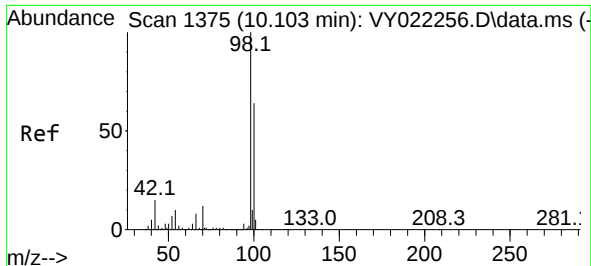
Ion Ratio Lower Upper

117 100

119 5.2 75.3 112.9#

121 0.0 24.7 37.1#

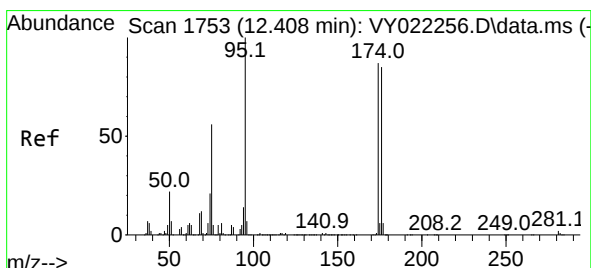
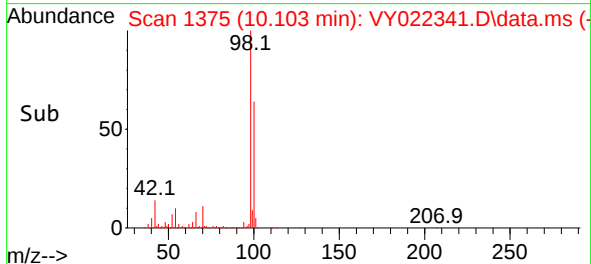
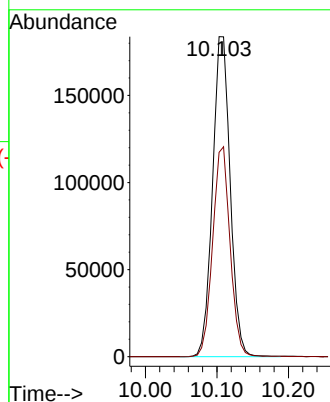
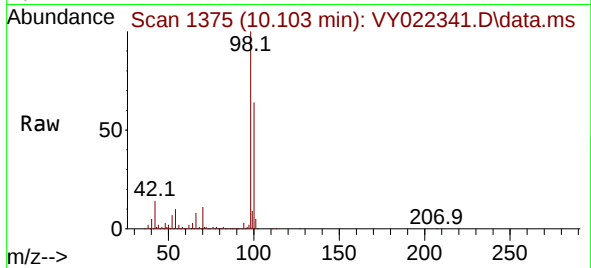




#50
Toluene-d8
Concen: 47.163 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022341.D
Acq: 20 May 2025 14:35

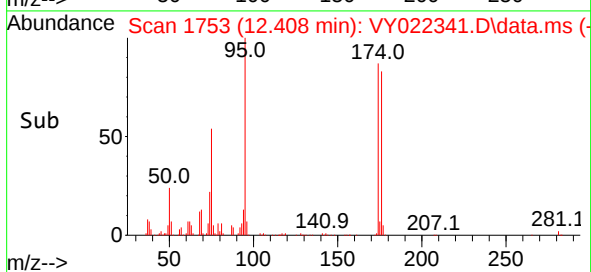
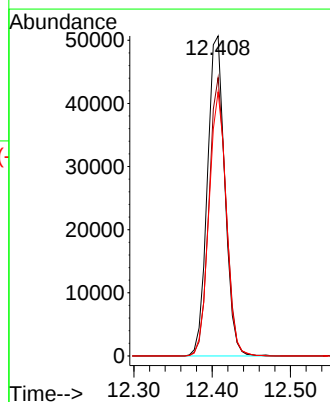
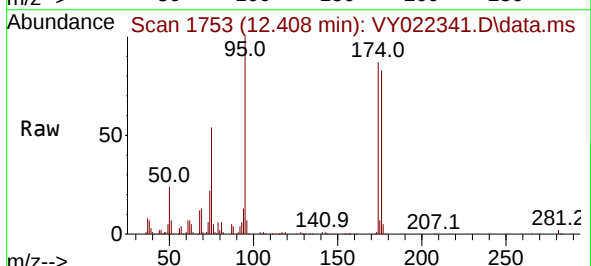
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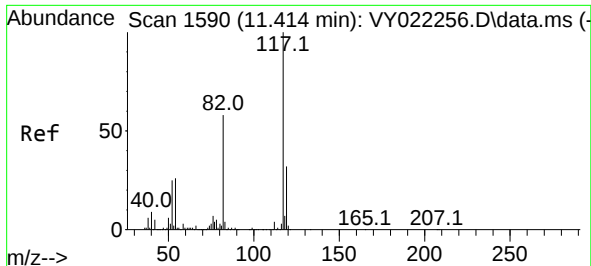
Tgt Ion: 98 Resp: 315374
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 36.916 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022341.D
Acq: 20 May 2025 14:35

Tgt Ion: 95 Resp: 78243
Ion Ratio Lower Upper
95 100
174 84.9 0.0 166.8
176 82.2 0.0 160.8

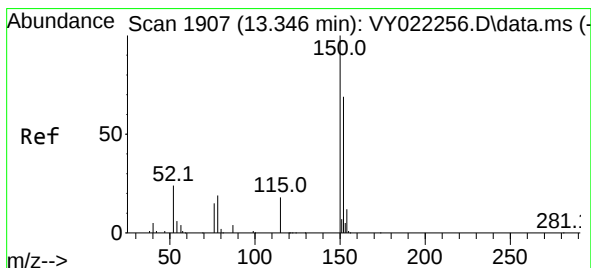
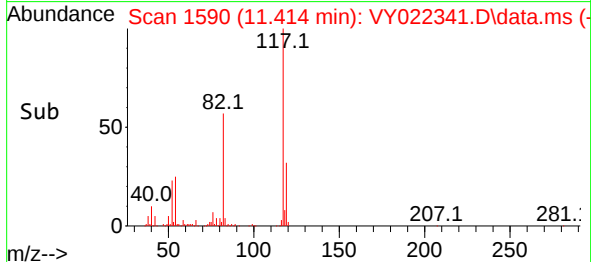
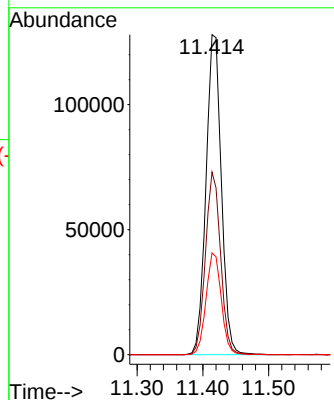
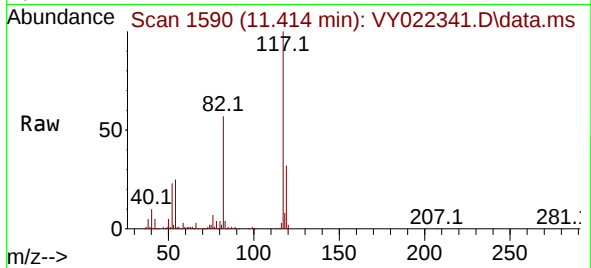




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022341.D
Acq: 20 May 2025 14:35

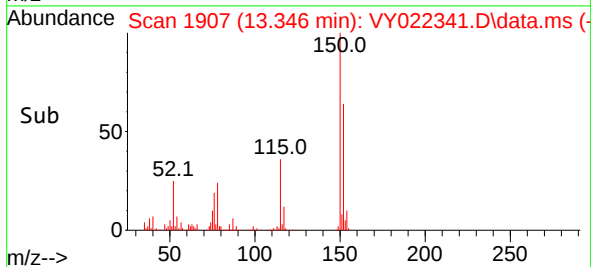
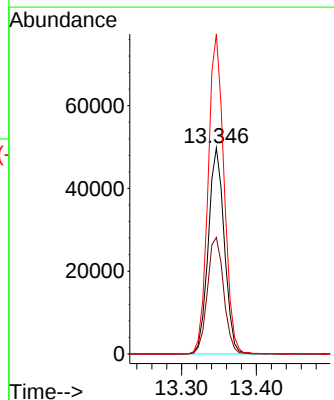
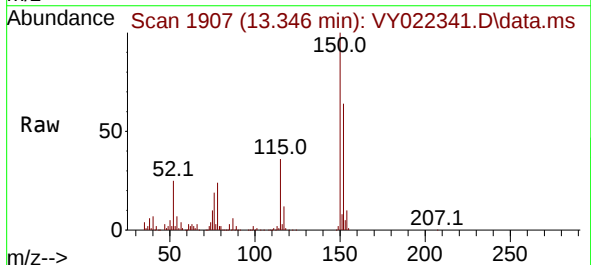
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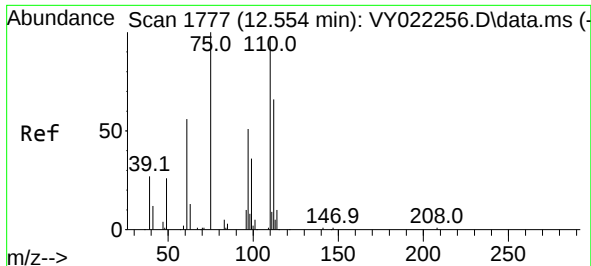
Tgt Ion:117 Resp: 208140
Ion Ratio Lower Upper
117 100
82 57.1 46.6 70.0
119 31.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022341.D
Acq: 20 May 2025 14:35

Tgt Ion:152 Resp: 74073
Ion Ratio Lower Upper
152 100
115 57.5 29.4 88.2
150 154.2 0.0 353.8

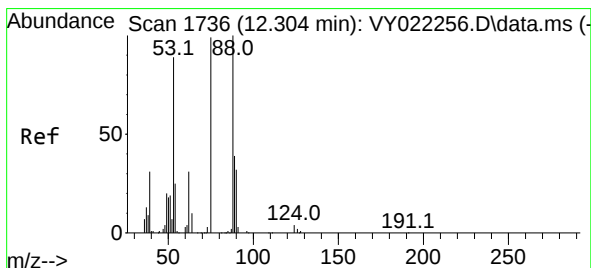
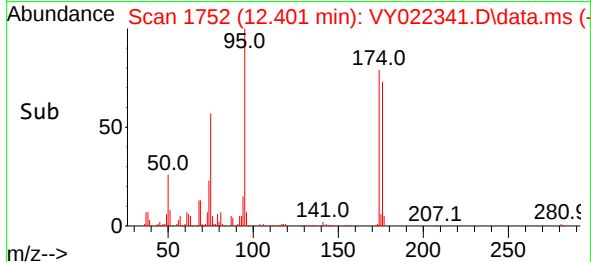
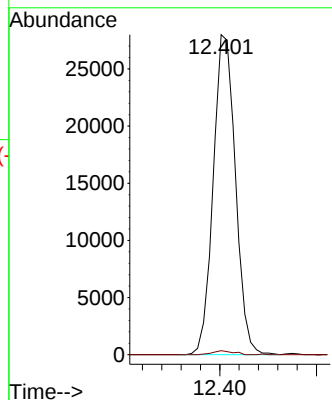
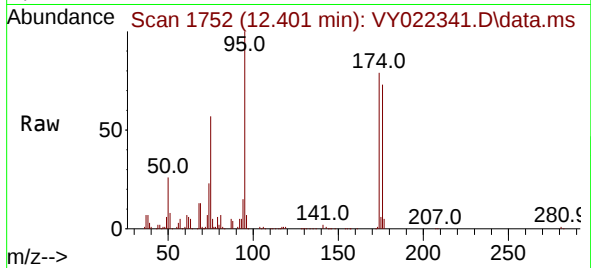




#76
1,2,3-Trichloropropane
Concen: 59.509 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022341.D
Acq: 20 May 2025 14:35

Instrument :
MSVOA_Y
ClientSampleId :
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Tgt Ion: 75 Resp: 44658
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.551 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022341.D
Acq: 20 May 2025 14:35

Tgt Ion: 75 Resp: 44658
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 36.2 54.2#

