

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022397.D
 Acq On : 22 May 2025 15:42
 Operator : SY/MD
 Sample : Q2100-01
 Misc : 6.16g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-16

Quant Time: May 23 03:39:08 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)

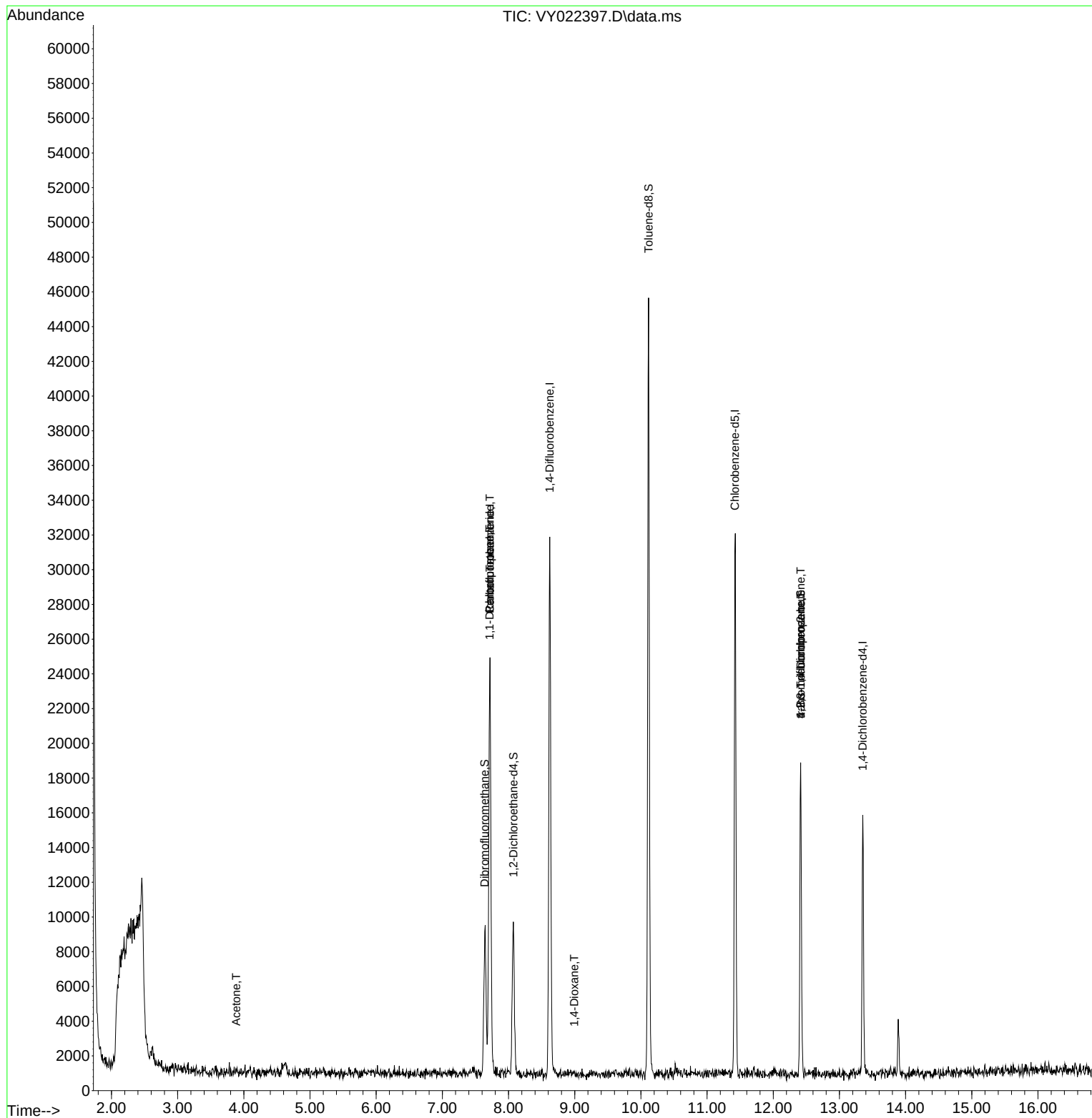
Internal Standards						
1) Pentafluorobenzene	7.720	168	18454	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	26326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	15957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	3421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	6433	31.896	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	63.800%
35) Dibromofluoromethane	7.640	113	5839	37.161	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	74.320%
50) Toluene-d8	10.115	98	28992	45.051	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.100%
62) 4-Bromofluorobenzene	12.414	95	4758	23.326	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	46.660%
Target Compounds						Qvalue
16) Acetone	3.885	43	250	6.611	ug/l #	45
36) 1,1-Dichloropropene	7.713	75	1719	6.642	ug/l #	46
38) Carbon Tetrachloride	7.720	117	1737	6.484	ug/l #	19
49) 1,4-Dioxane	8.994	88	21	18.632	ug/l #	1
76) 1,2,3-Trichloropropane	12.414	75	2839	81.914	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	2839	165.937	ug/l #	12

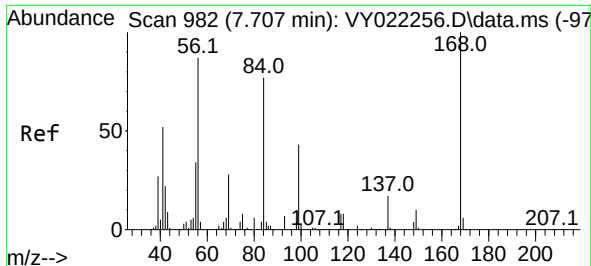
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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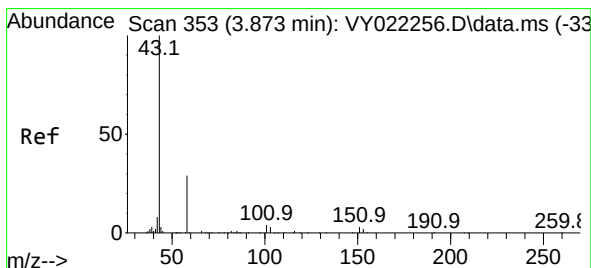
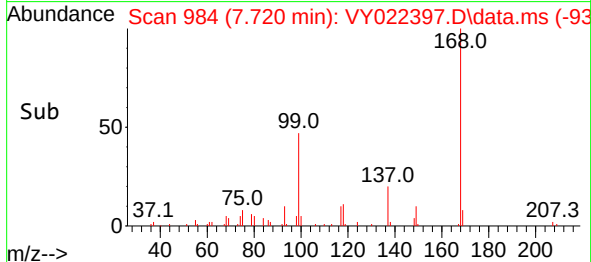
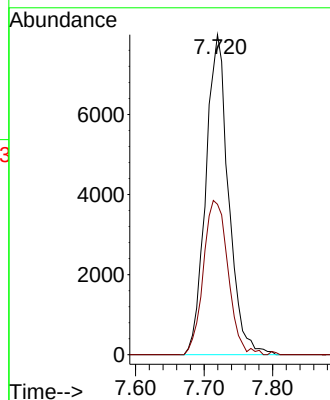
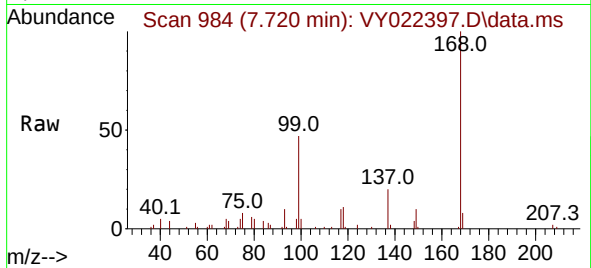




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 982
Delta R.T. 0.013 min
Lab File: VY022397.D
Acq: 22 May 2025 15:42

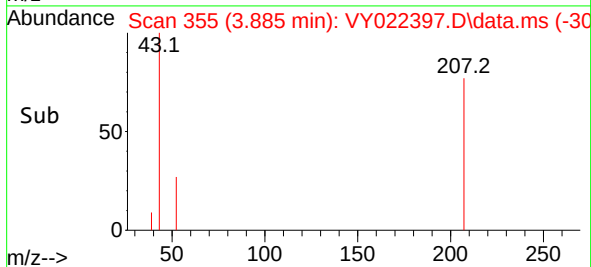
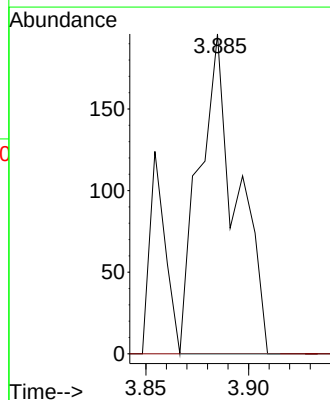
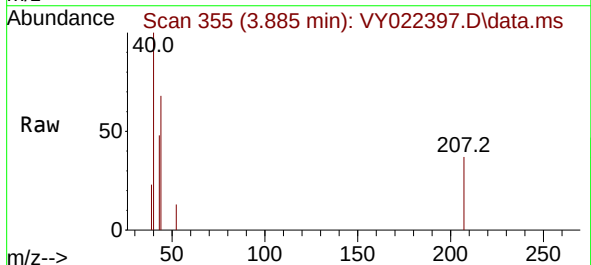
Instrument :
MSVOA_Y
ClientSampleId :
TP-16

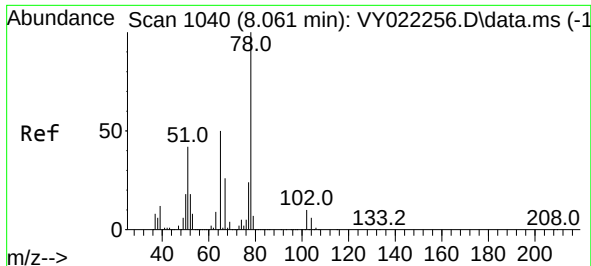
Tgt Ion:168 Resp: 18454
Ion Ratio Lower Upper
168 100
99 47.0 44.2 66.4



#16
Acetone
Concen: 6.611 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY022397.D
Acq: 22 May 2025 15:42

Tgt Ion: 43 Resp: 250
Ion Ratio Lower Upper
43 100
58 0.0 23.6 35.4#





#33

1,2-Dichloroethane-d4

Concen: 31.896 ug/l

RT: 8.073 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY022397.D

Acq: 22 May 2025 15:42

Instrument :

MSVOA_Y

ClientSampleId :

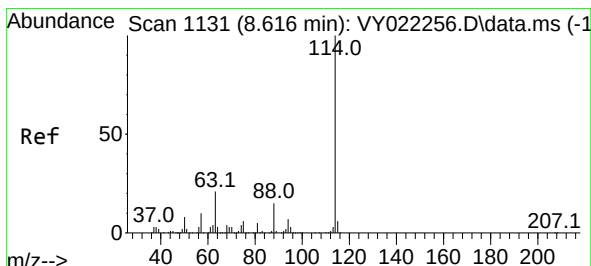
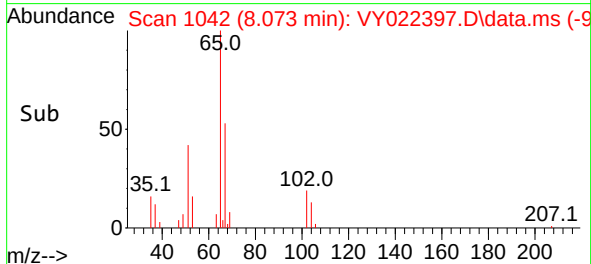
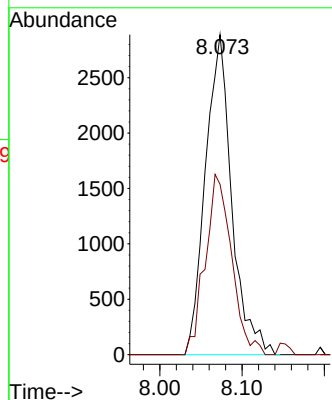
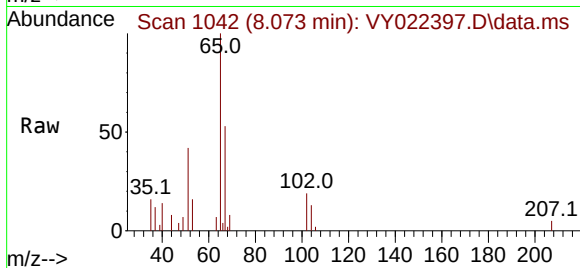
TP-16

Tgt Ion: 65 Resp: 6433

Ion Ratio Lower Upper

65 100

67 56.5 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022397.D

Acq: 22 May 2025 15:42

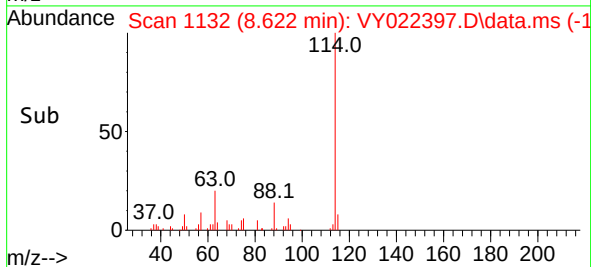
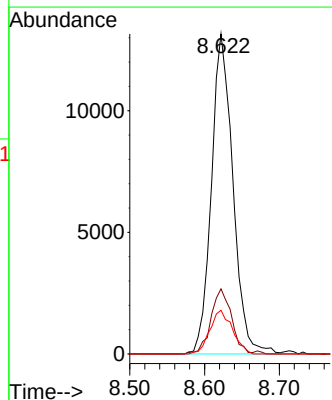
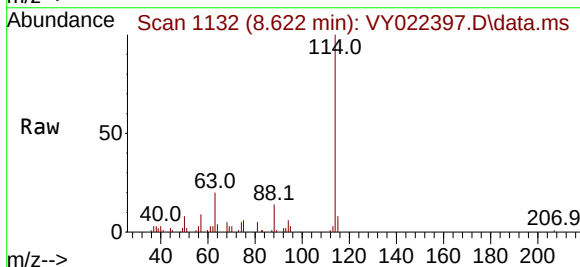
Tgt Ion: 114 Resp: 26326

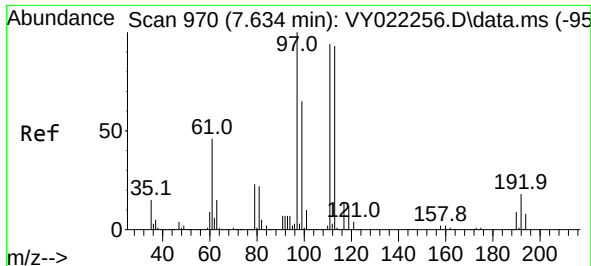
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.0

88 13.6 0.0 29.4

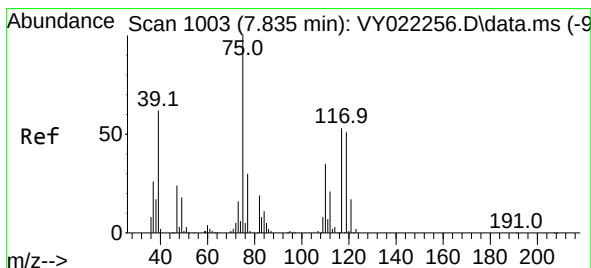
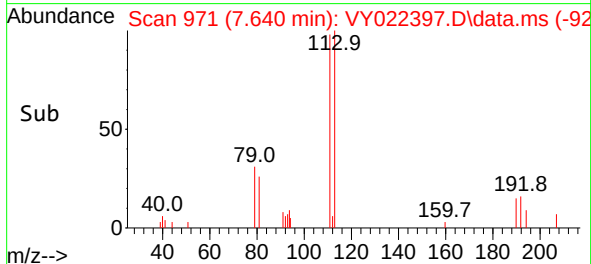
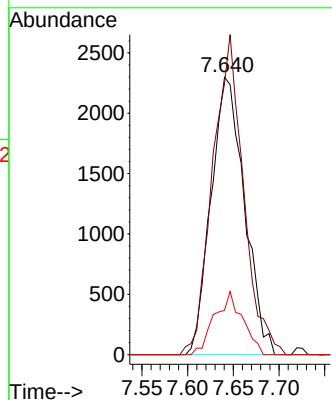
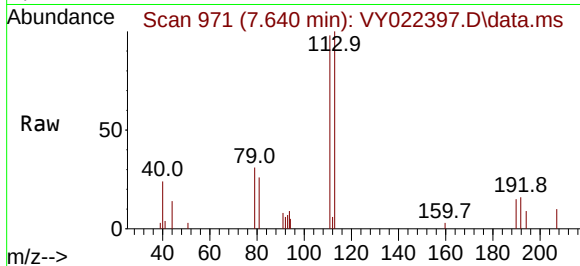




#35
Dibromofluoromethane
Concen: 37.161 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022397.D
Acq: 22 May 2025 15:42

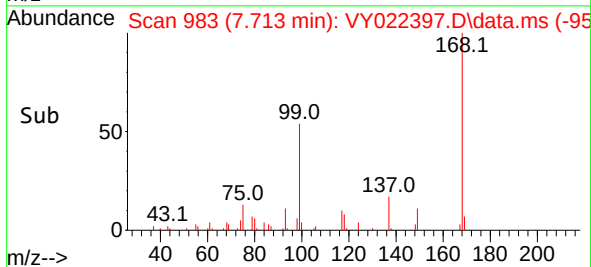
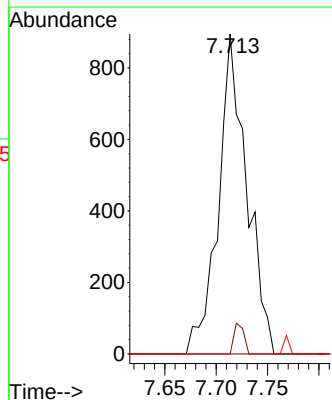
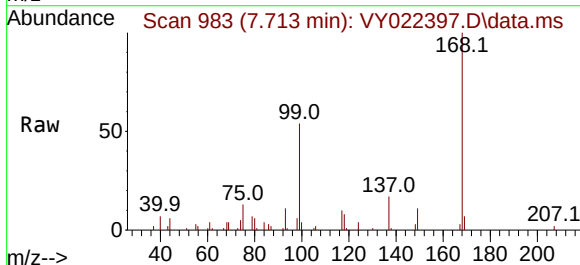
Instrument :
MSVOA_Y
ClientSampleId :
TP-16

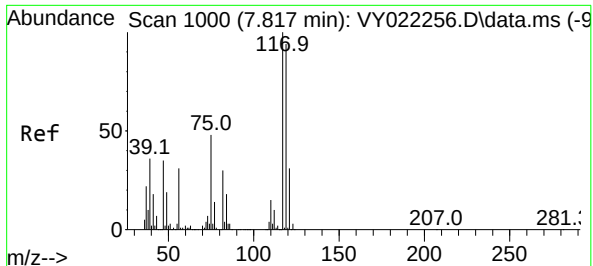
Tgt Ion:113 Resp: 5839
Ion Ratio Lower Upper
113 100
111 106.3 82.6 123.8
192 19.0 15.2 22.8



#36
1,1-Dichloropropene
Concen: 6.642 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY022397.D
Acq: 22 May 2025 15:42

Tgt Ion: 75 Resp: 1719
Ion Ratio Lower Upper
75 100
110 3.3 16.6 49.8#
77 0.0 24.6 37.0#

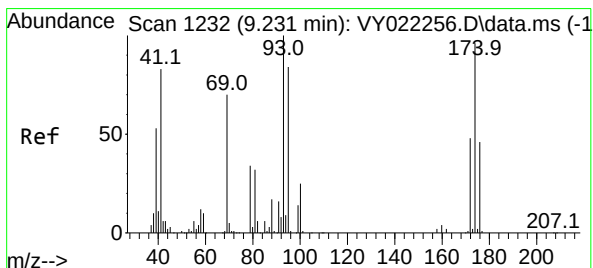
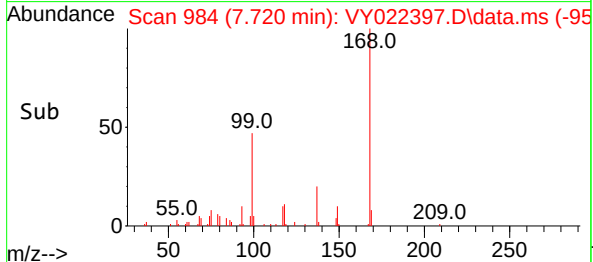
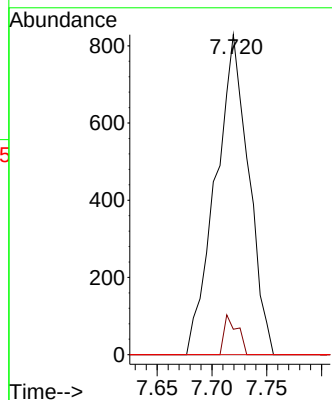
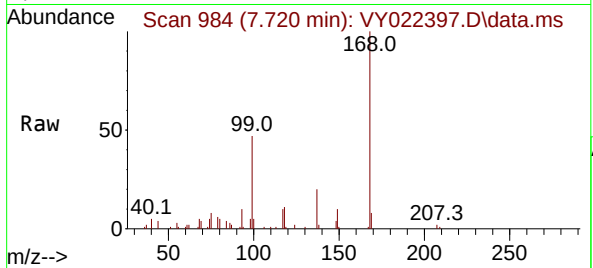




#38
Carbon Tetrachloride
Concen: 6.484 ug/l
RT: 7.720 min Scan# 91
Delta R.T. -0.097 min
Lab File: VY022397.D
Acq: 22 May 2025 15:42

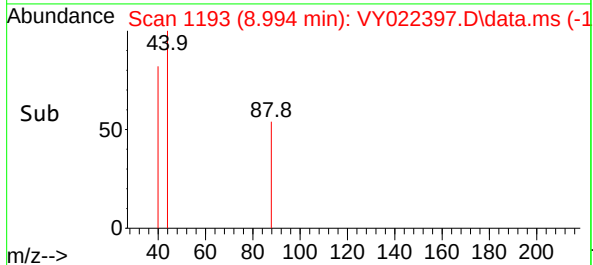
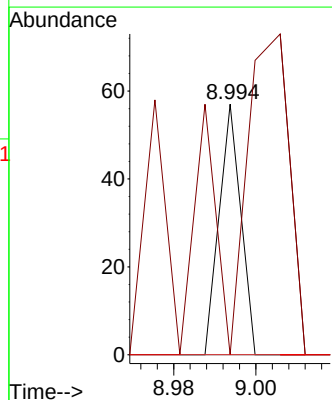
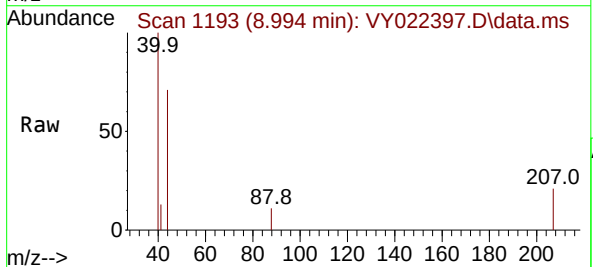
Instrument :
MSVOA_Y
ClientSampleId :
TP-16

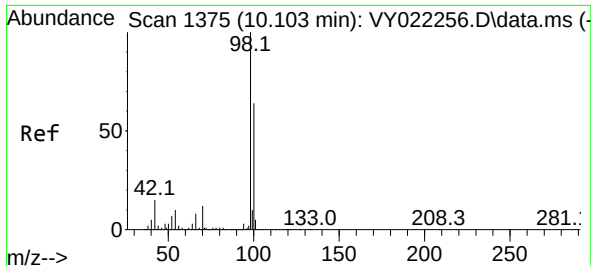
Tgt Ion:117 Resp: 1737
Ion Ratio Lower Upper
117 100
119 8.0 75.3 112.9#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 18.632 ug/l
RT: 8.994 min Scan# 1193
Delta R.T. -0.238 min
Lab File: VY022397.D
Acq: 22 May 2025 15:42

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 342.9 28.5 42.7#
58 0.0 61.4 92.2#

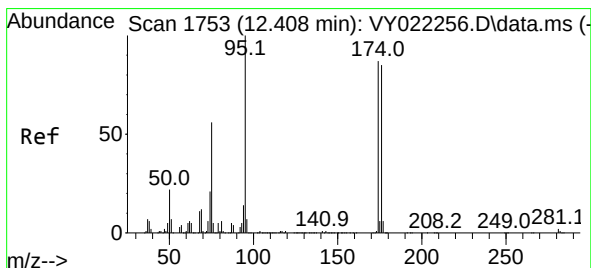
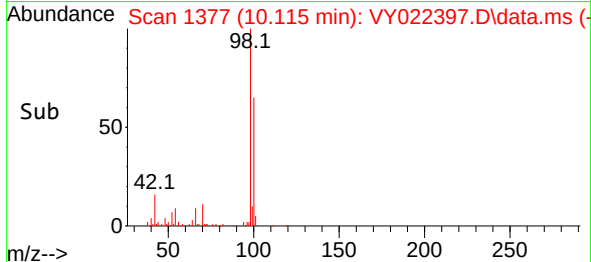
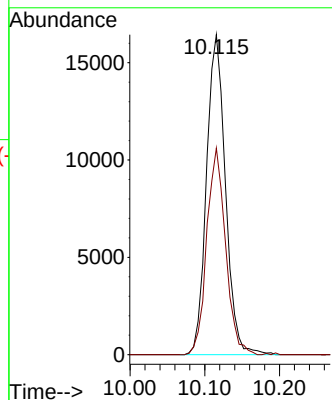
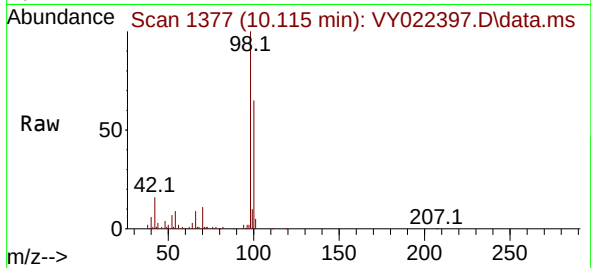




#50
Toluene-d8
Concen: 45.051 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY022397.D
Acq: 22 May 2025 15:42

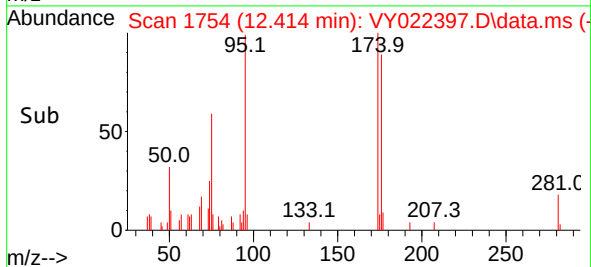
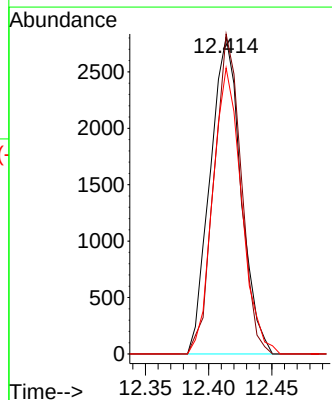
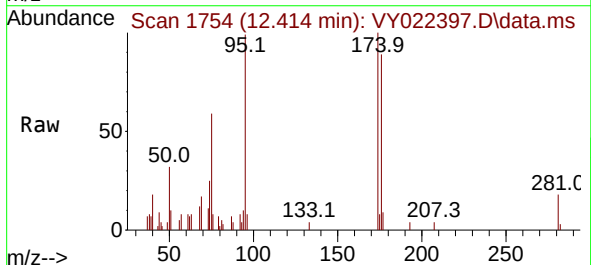
Instrument :
MSVOA_Y
ClientSampleId :
TP-16

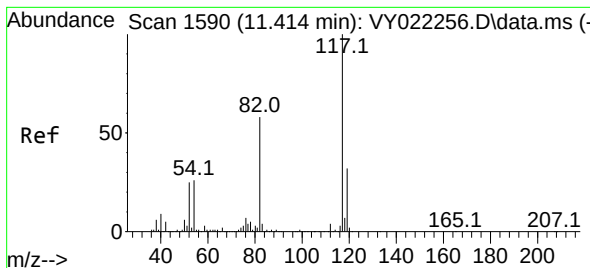
Tgt Ion: 98 Resp: 28992
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 23.326 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022397.D
Acq: 22 May 2025 15:42

Tgt Ion: 95 Resp: 4758
Ion Ratio Lower Upper
95 100
174 88.5 0.0 166.8
176 84.2 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022397.D

Acq: 22 May 2025 15:42

Instrument :

MSVOA_Y

ClientSampleId :

TP-16

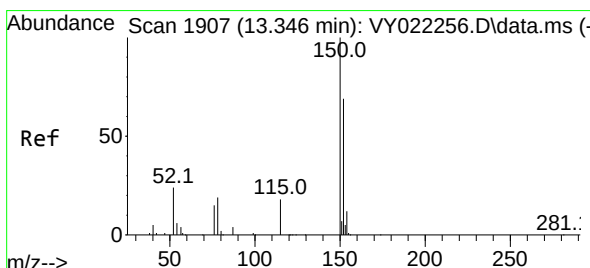
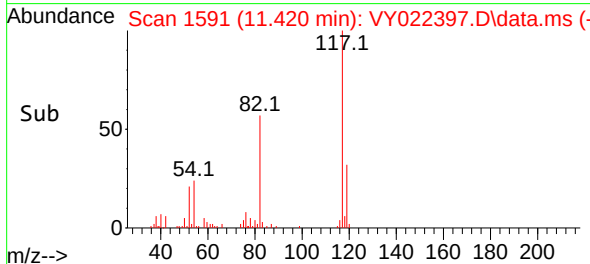
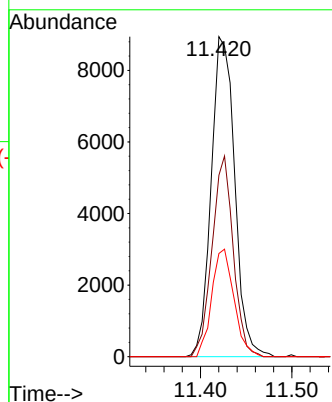
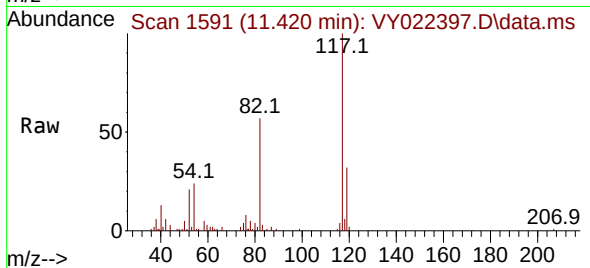
Tgt Ion:117 Resp: 15957

Ion Ratio Lower Upper

117 100

82 56.7 46.6 70.0

119 32.2 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022397.D

Acq: 22 May 2025 15:42

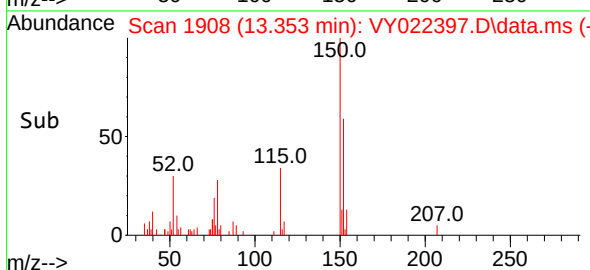
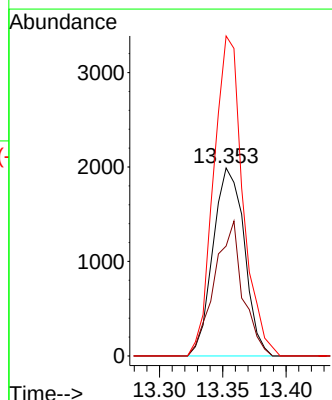
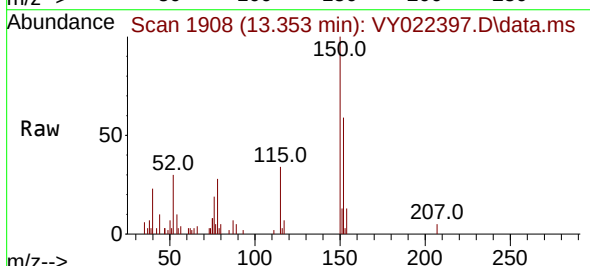
Tgt Ion:152 Resp: 3421

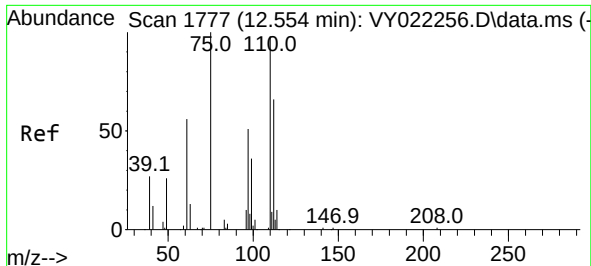
Ion Ratio Lower Upper

152 100

115 65.2 29.4 88.2

150 159.1 0.0 353.8

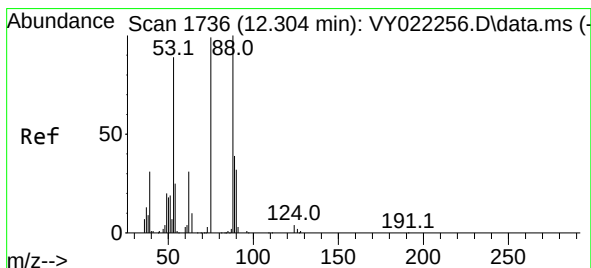
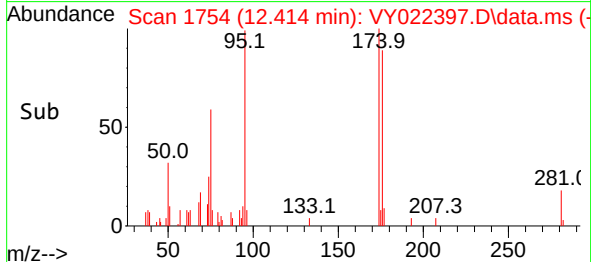
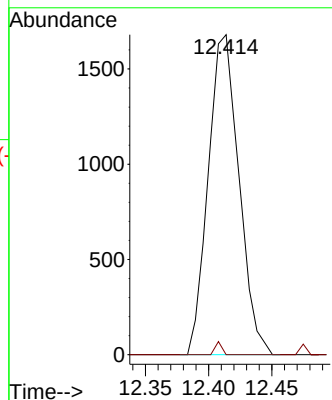
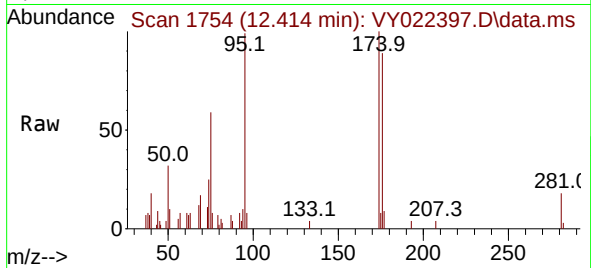




#76
1,2,3-Trichloropropane
Concen: 81.914 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.140 min
Lab File: VY022397.D
Acq: 22 May 2025 15:42

Instrument :
MSVOA_Y
ClientSampleId :
TP-16

Tgt Ion: 75 Resp: 2839
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 165.937 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.110 min
Lab File: VY022397.D
Acq: 22 May 2025 15:42

Tgt Ion: 75 Resp: 2839
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 36.2 54.2#

