

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022288.D
 Acq On : 16 May 2025 14:04
 Operator : SY/MD
 Sample : Q1982-03
 Misc : 11.87g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3

Quant Time: May 17 01:33:18 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)

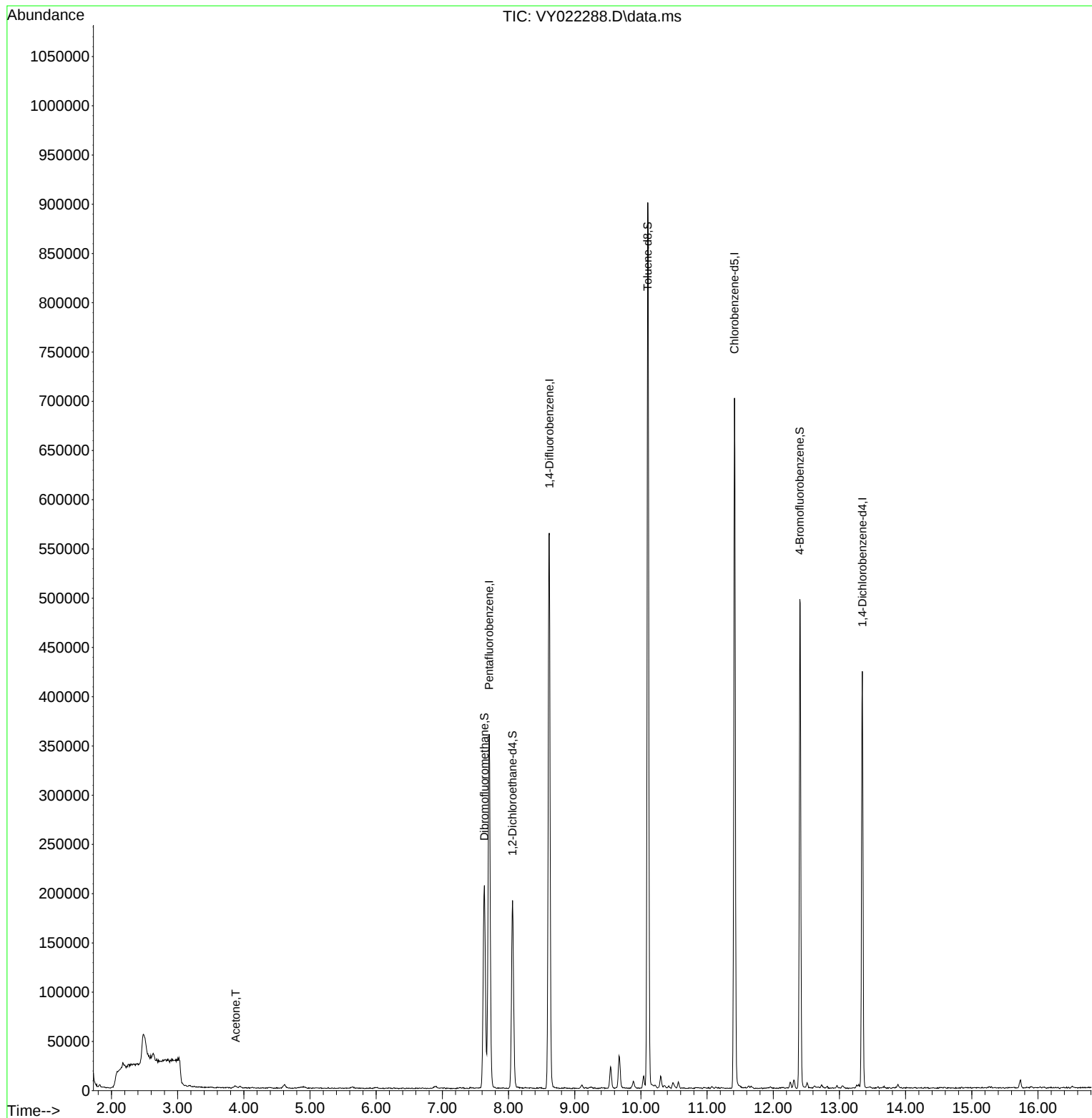
Internal Standards						
1) Pentafluorobenzene	7.707	168	273129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	474491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	343745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	98736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	142878	47.865	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.720%
35) Dibromofluoromethane	7.634	113	140680	49.674	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.340%
50) Toluene-d8	10.103	98	558787	48.176	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.360%
62) 4-Bromofluorobenzene	12.401	95	144300	39.250	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.500%
Target Compounds						
16) Acetone	3.879	43	3988	7.125	ug/l	Qvalue # 89

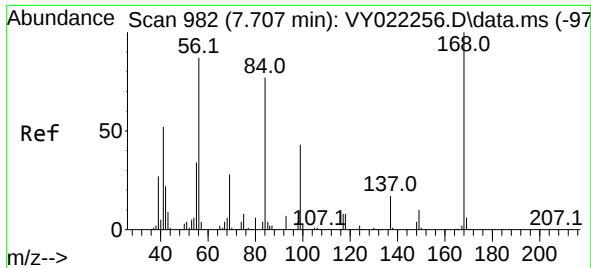
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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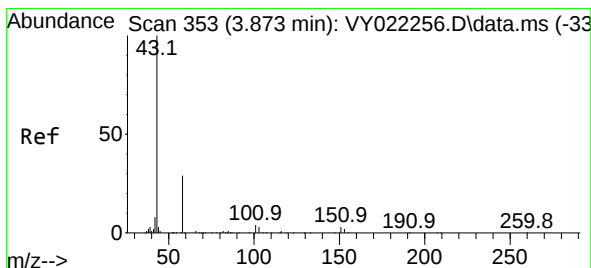
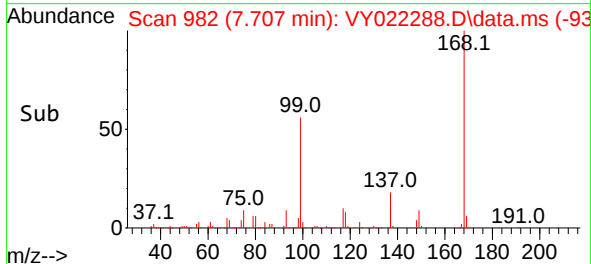
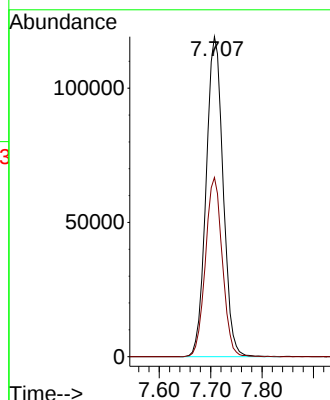
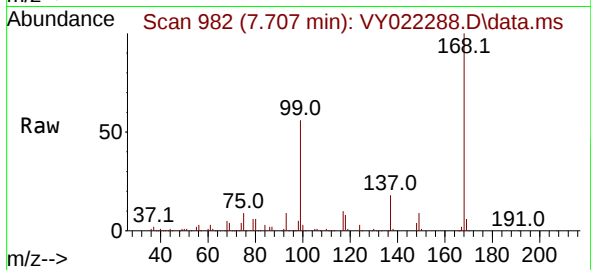




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

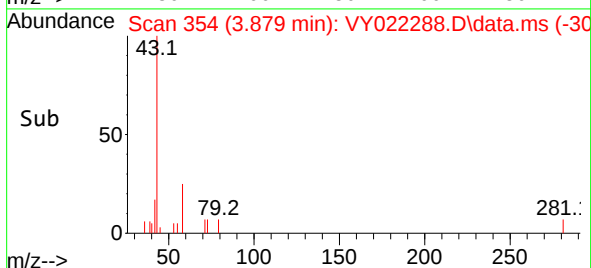
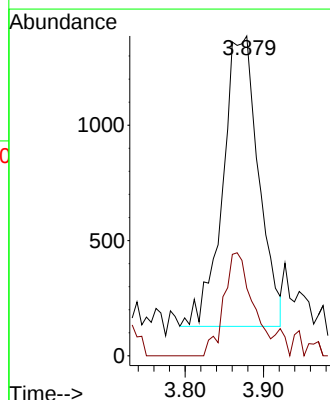
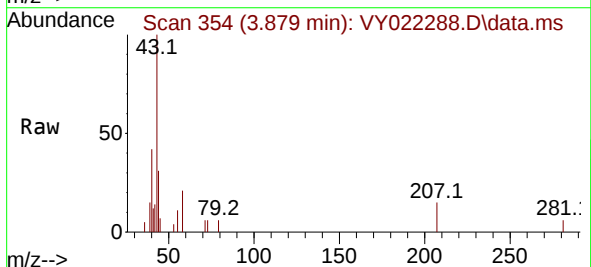
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

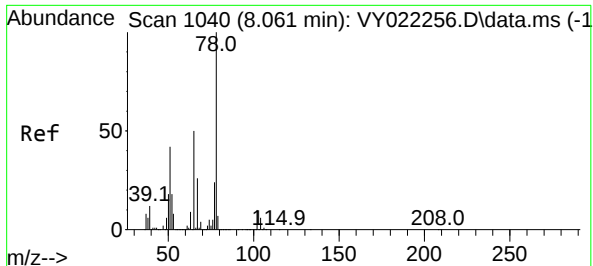
Tgt Ion:168 Resp: 273129
Ion Ratio Lower Upper
168 100
99 56.0 44.2 66.4



#16
Acetone
Concen: 7.125 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

Tgt Ion: 43 Resp: 3988
Ion Ratio Lower Upper
43 100
58 23.4 23.6 35.4#





#33

1,2-Dichloroethane-d4

Concen: 47.865 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022288.D

Acq: 16 May 2025 14:04

Instrument :

MSVOA_Y

ClientSampleId :

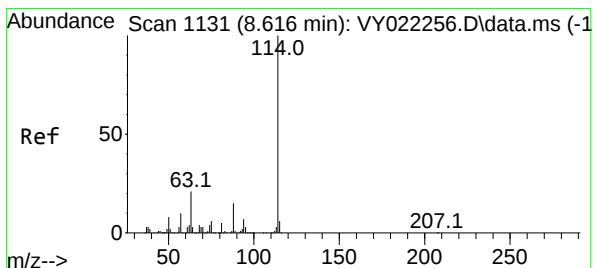
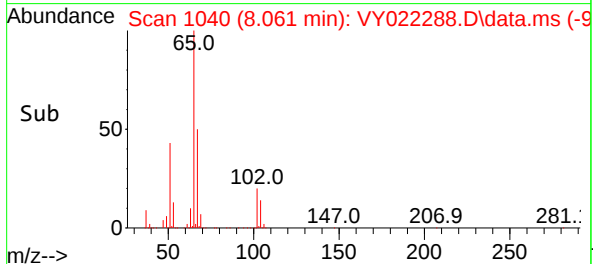
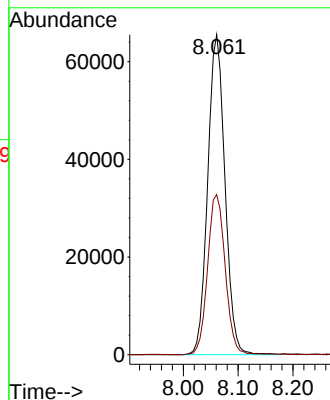
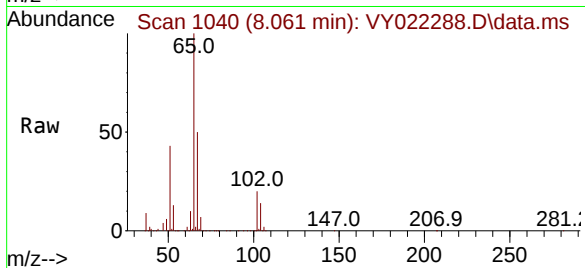
TP-3

Tgt Ion: 65 Resp: 142878

Ion Ratio Lower Upper

65 100

67 51.2 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: VY022288.D

Acq: 16 May 2025 14:04

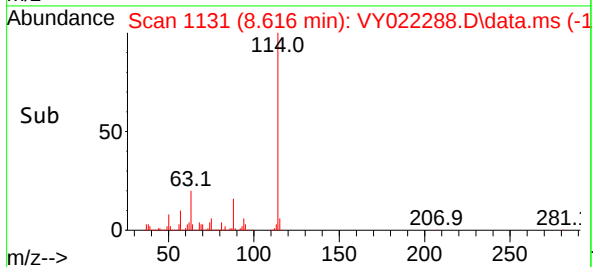
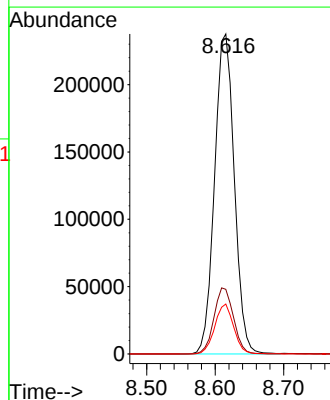
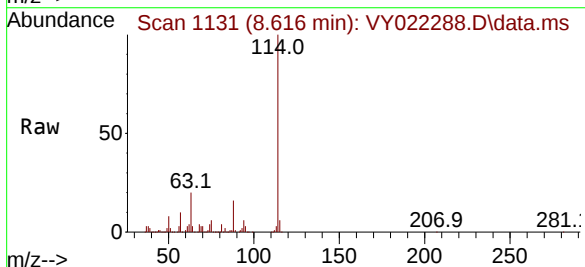
Tgt Ion: 114 Resp: 474491

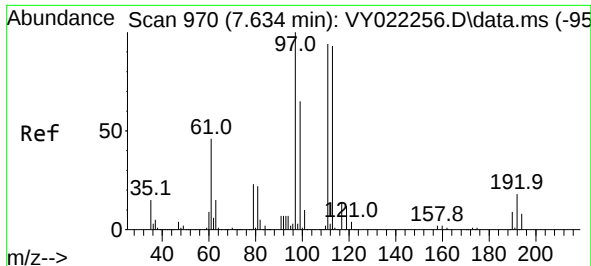
Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.0

88 15.6 0.0 29.4

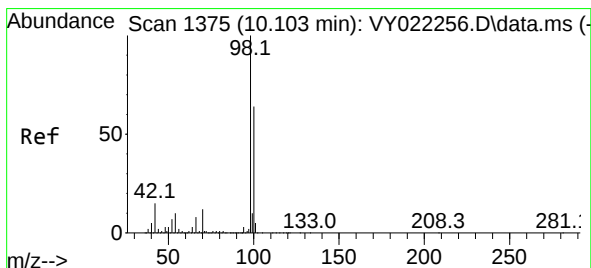
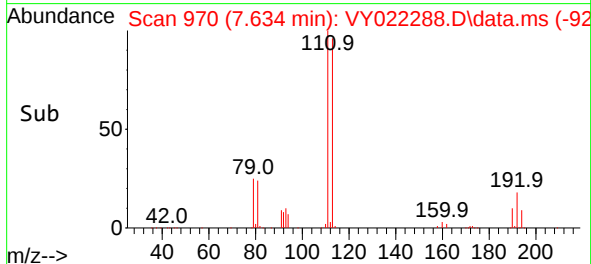
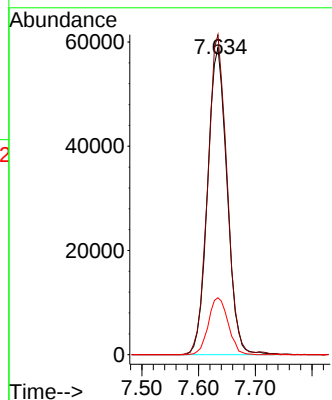
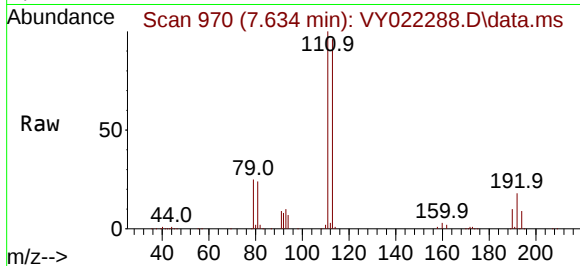




#35
 Dibromofluoromethane
 Concen: 49.674 ug/l
 RT: 7.634 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VY022288.D
 Acq: 16 May 2025 14:04

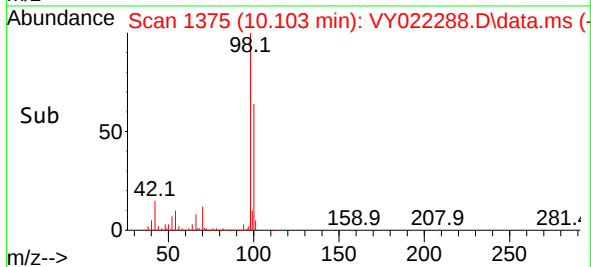
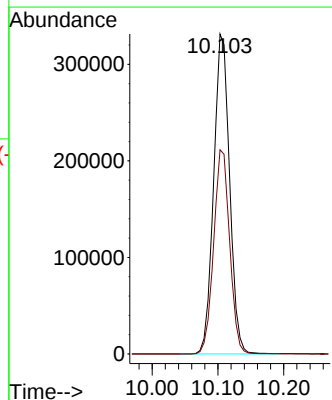
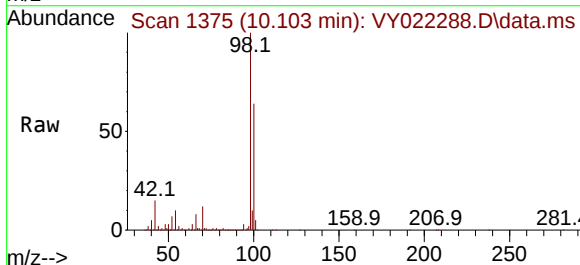
Instrument :
 MSVOA_Y
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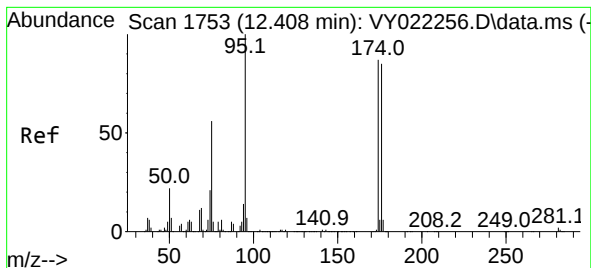
Tgt Ion:113 Resp: 140680
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.6 123.8
 192 18.8 15.2 22.8



#50
 Toluene-d8
 Concen: 48.176 ug/l
 RT: 10.103 min Scan# 1375
 Delta R.T. -0.000 min
 Lab File: VY022288.D
 Acq: 16 May 2025 14:04

Tgt Ion: 98 Resp: 558787
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.8 77.8

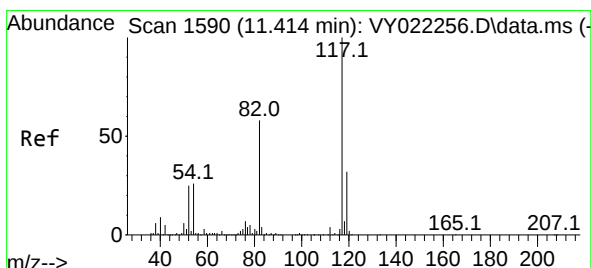
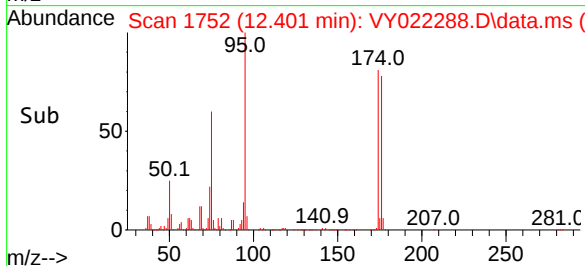
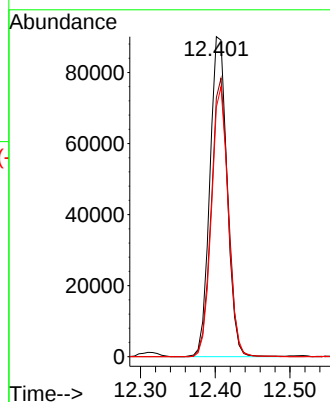
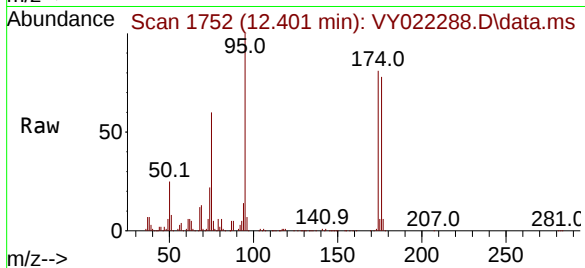




#62
4-Bromofluorobenzene
Concen: 39.250 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

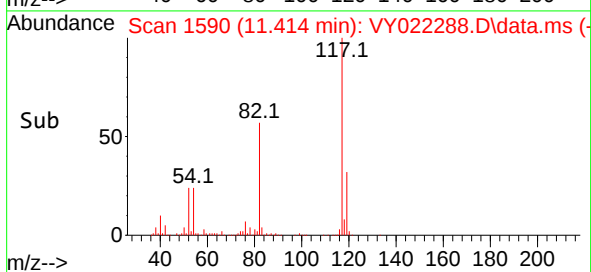
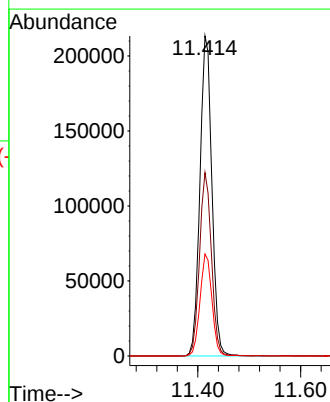
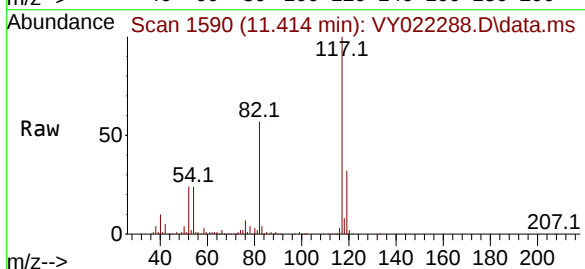
Instrument :
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ClientSampleId :
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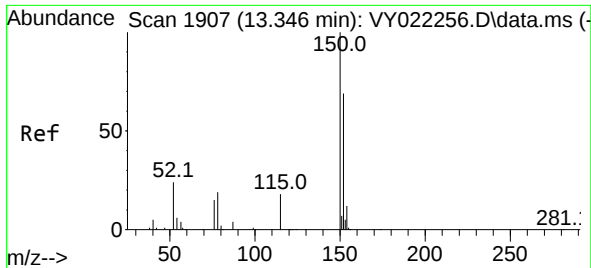
Tgt Ion: 95 Resp: 144300
Ion Ratio Lower Upper
95 100
174 85.7 0.0 166.8
176 81.9 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

Tgt Ion: 117 Resp: 343745
Ion Ratio Lower Upper
117 100
82 57.3 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: VY022288.D
 Acq: 16 May 2025 14:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3

Tgt Ion:152 Resp: 98736
 Ion Ratio Lower Upper
 152 100
 115 58.0 29.4 88.2
 150 158.4 0.0 353.8

