

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050725\
 Data File : VY022187.D
 Acq On : 07 May 2025 12:27
 Operator : SY/MD
 Sample : Q1962-01
 Misc : 5.53g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-01-050525

Quant Time: May 08 01:41:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

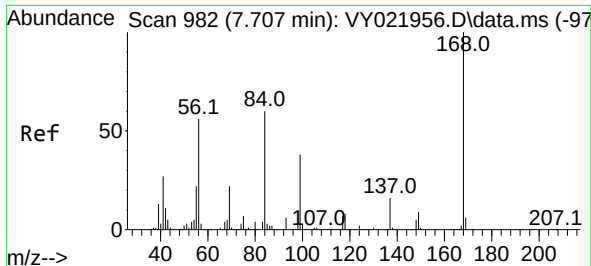
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	153931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	287873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	252442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	89330	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	88680	62.370	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.740%	
35) Dibromofluoromethane	7.634	113	105919	55.693	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.380%	
50) Toluene-d8	10.109	98	351064	48.963	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.920%	
62) 4-Bromofluorobenzene	12.408	95	89957	37.269	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 74.540%	
Target Compounds						Qvalue
16) Acetone	3.866	43	413	Below Cal	#	41
31) Cyclohexane	7.707	56	3153	1.341	ug/l #	14
36) 1,1-Dichloropropene	7.713	75	12858	5.033	ug/l #	47
38) Carbon Tetrachloride	7.707	117	15353	5.029	ug/l #	18
51) 4-Methyl-2-Pentanone	10.103	43	1246	1.349	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	46584	60.882	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	46584	146.612	ug/l #	16

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

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Response via : Initial Calibration

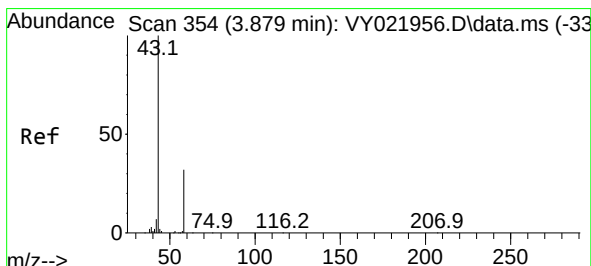
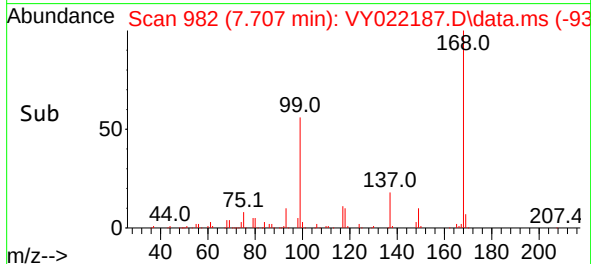
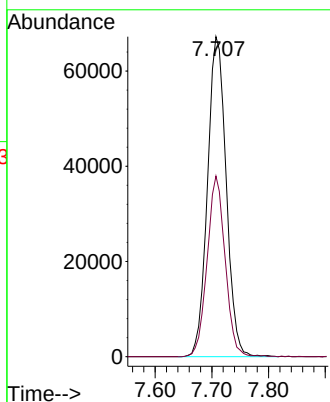
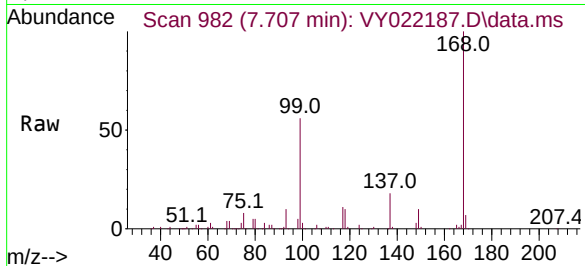




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022187.D
Acq: 07 May 2025 12:27

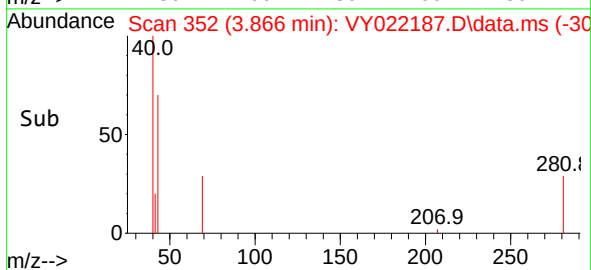
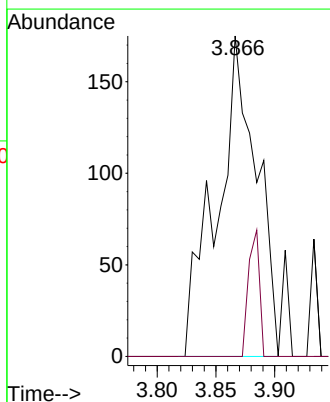
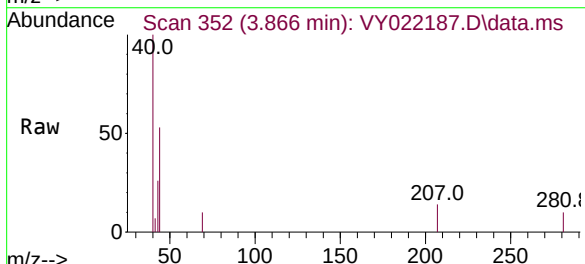
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-050525

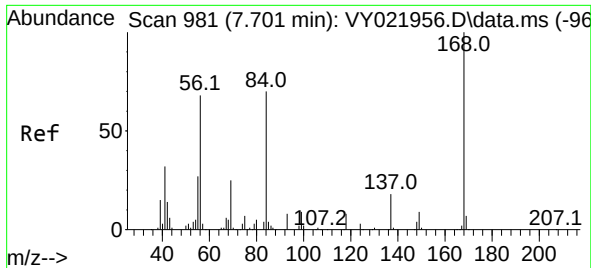
Tgt Ion:168 Resp: 153931
Ion Ratio Lower Upper
168 100
99 56.5 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY022187.D
Acq: 07 May 2025 12:27

Tgt Ion: 43 Resp: 413
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

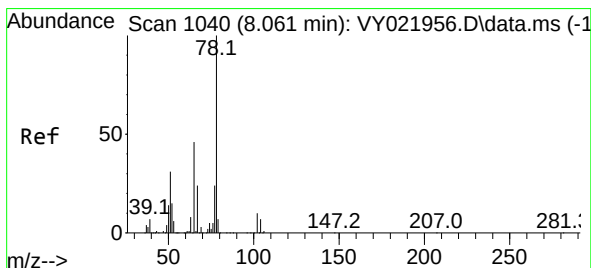
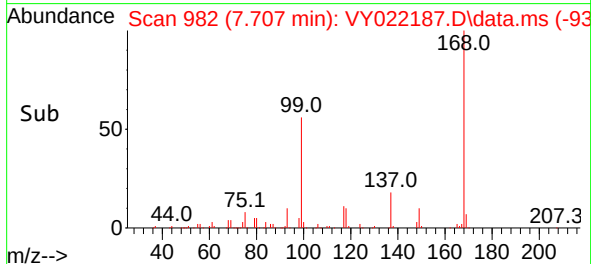
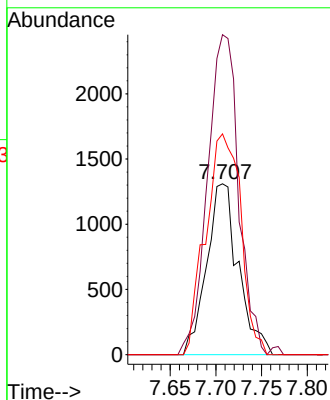
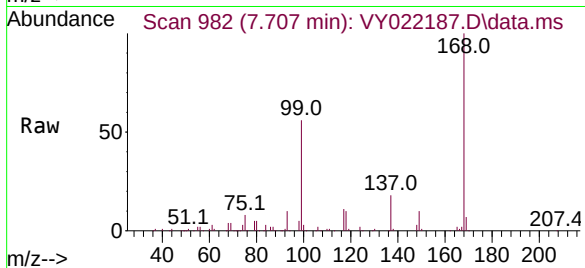




#31
Cyclohexane
Concen: 1.341 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022187.D
Acq: 07 May 2025 12:27

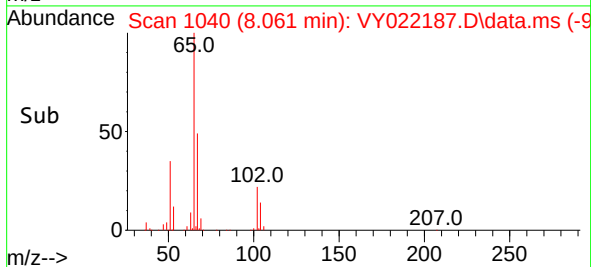
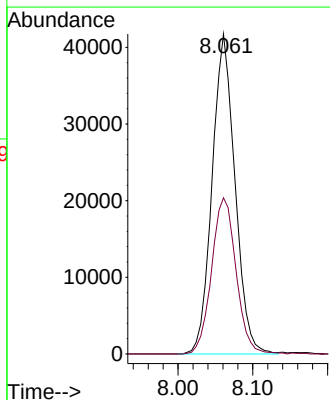
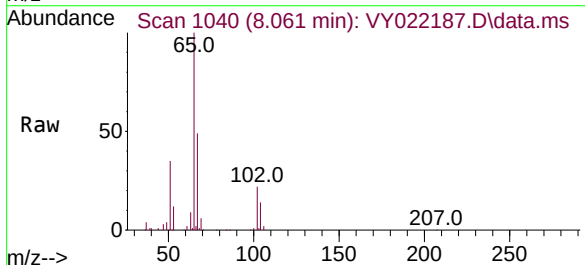
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-050525

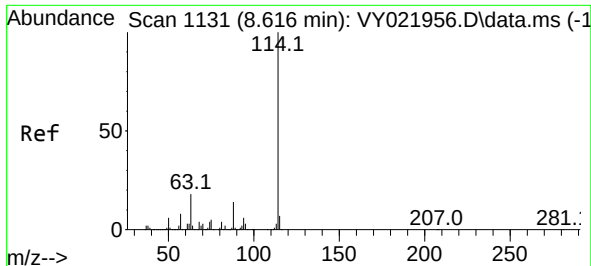
Tgt Ion: 56 Resp: 3153
Ion Ratio Lower Upper
56 100
69 187.3 29.4 44.2#
84 129.2 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 62.370 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022187.D
Acq: 07 May 2025 12:27

Tgt Ion: 65 Resp: 88680
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.8

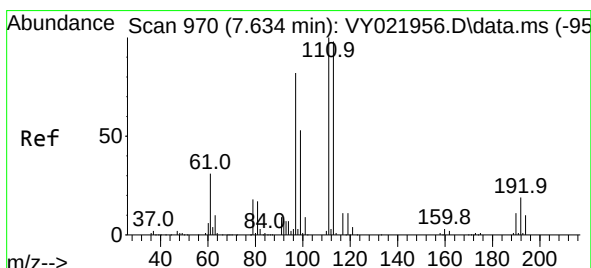
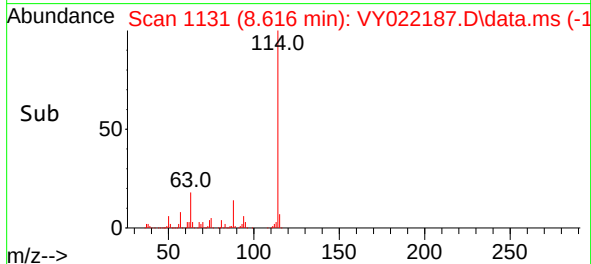
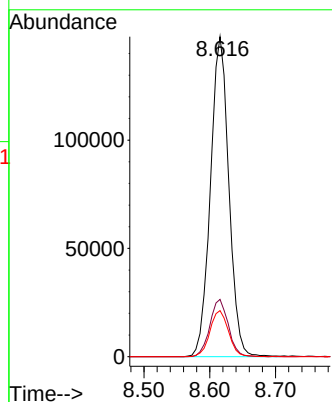
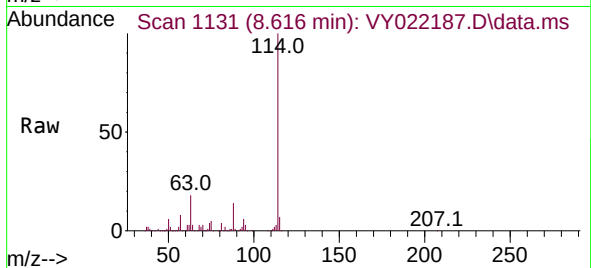




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022187.D
Acq: 07 May 2025 12:27

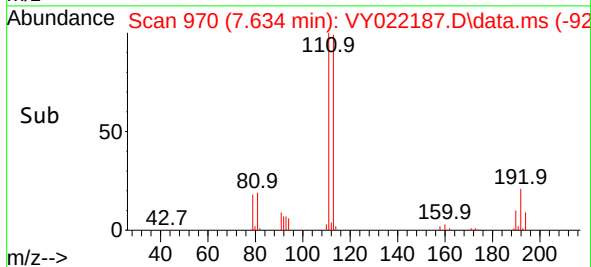
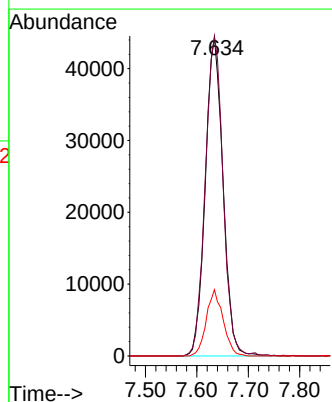
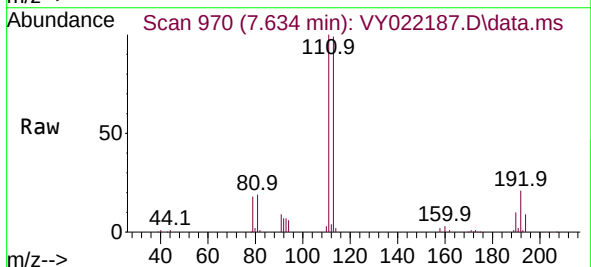
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-050525

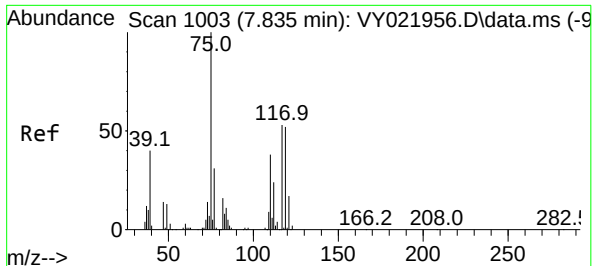
Tgt Ion:114 Resp: 287873
Ion Ratio Lower Upper
114 100
63 17.9 0.0 35.4
88 14.4 0.0 28.2



#35
Dibromofluoromethane
Concen: 55.693 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022187.D
Acq: 07 May 2025 12:27

Tgt Ion:113 Resp: 105919
Ion Ratio Lower Upper
113 100
111 100.8 81.8 122.8
192 19.7 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.033 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY022187.D

Acq: 07 May 2025 12:27

Instrument :

MSVOA_Y

ClientSampleId :

HD-01-050525

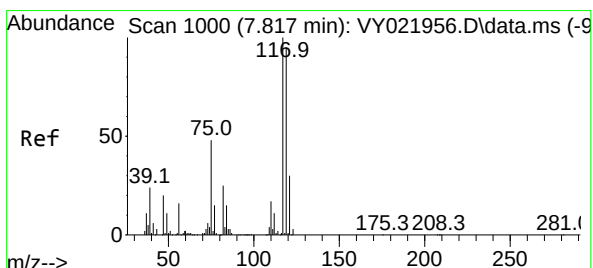
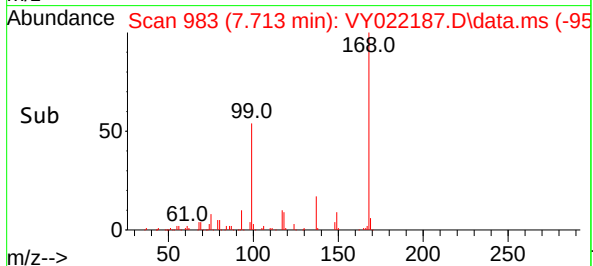
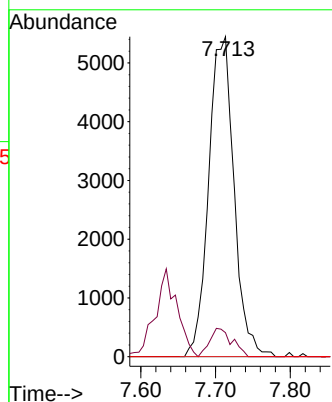
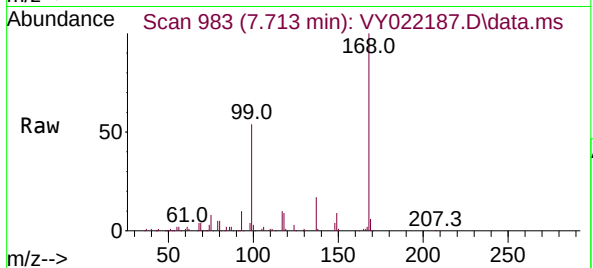
Tgt Ion: 75 Resp: 12858

Ion Ratio Lower Upper

75 100

110 7.8 19.1 57.3#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 5.029 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022187.D

Acq: 07 May 2025 12:27

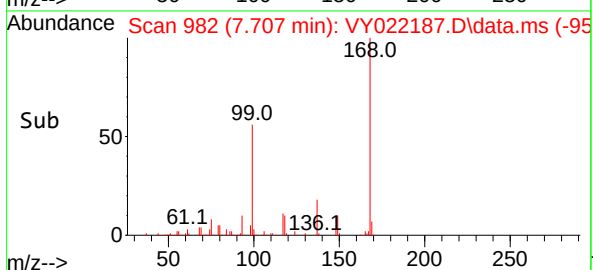
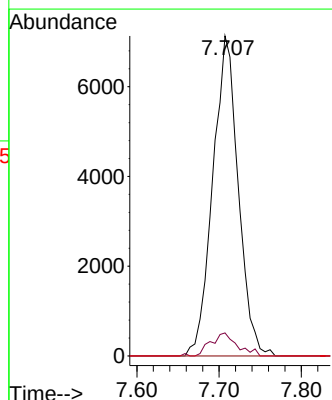
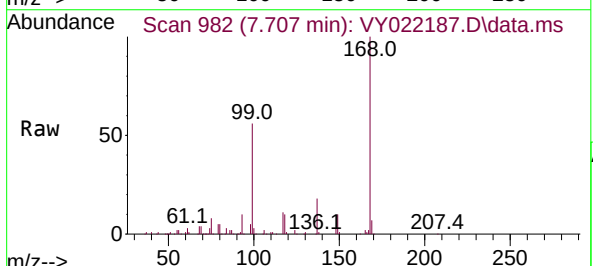
Tgt Ion: 117 Resp: 15353

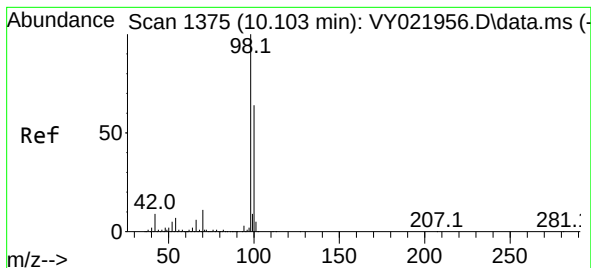
Ion Ratio Lower Upper

117 100

119 7.2 76.2 114.4#

121 0.0 24.0 36.0#

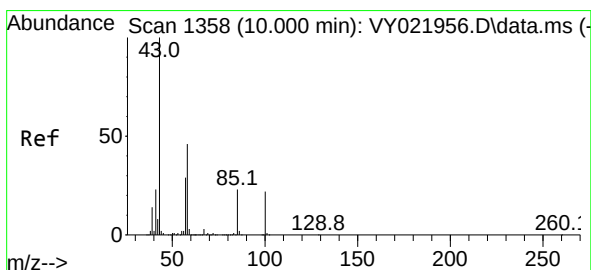
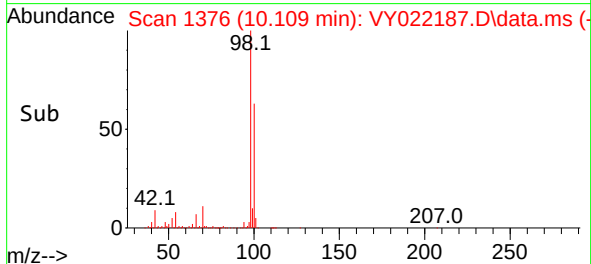
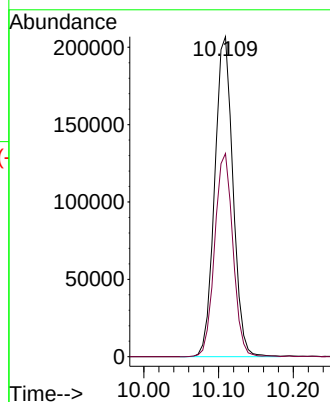
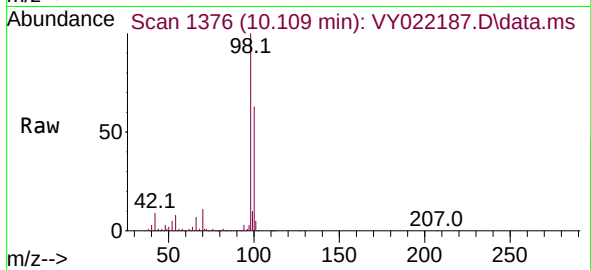




#50
Toluene-d8
Concen: 48.963 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022187.D
Acq: 07 May 2025 12:27

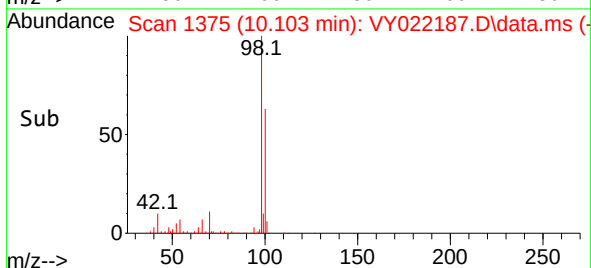
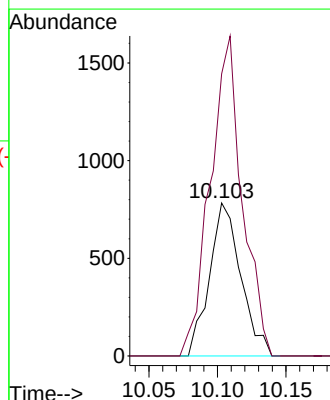
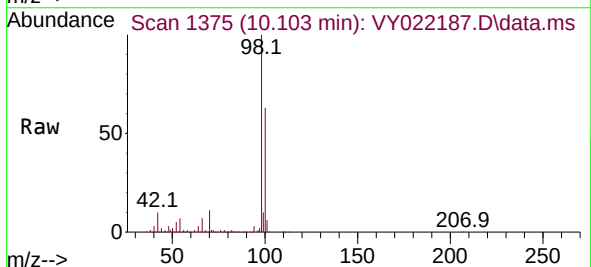
Instrument :
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HD-01-050525

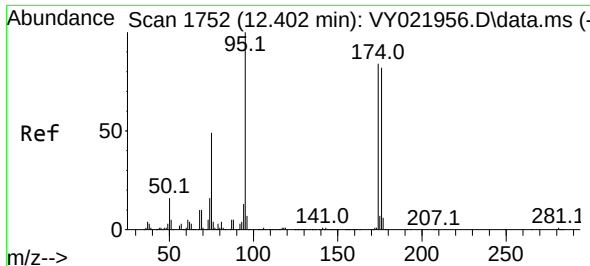
Tgt Ion: 98 Resp: 351064
Ion Ratio Lower Upper
98 100
100 63.5 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.349 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.103 min
Lab File: VY022187.D
Acq: 07 May 2025 12:27

Tgt Ion: 43 Resp: 1246
Ion Ratio Lower Upper
43 100
58 213.9 36.6 55.0#

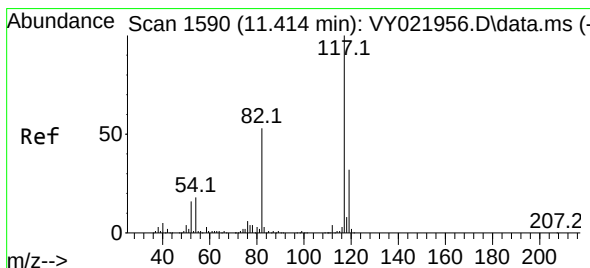
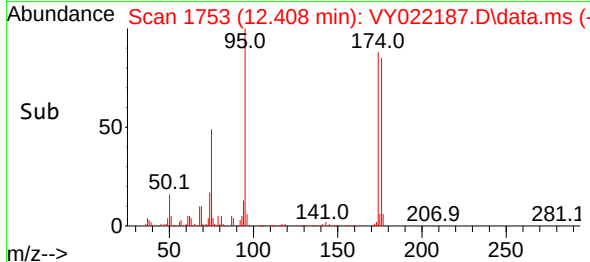
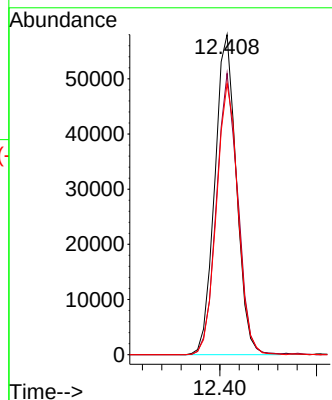
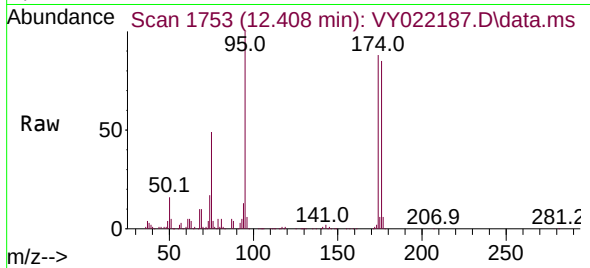




#62
4-Bromofluorobenzene
Concen: 37.269 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY022187.D
Acq: 07 May 2025 12:27

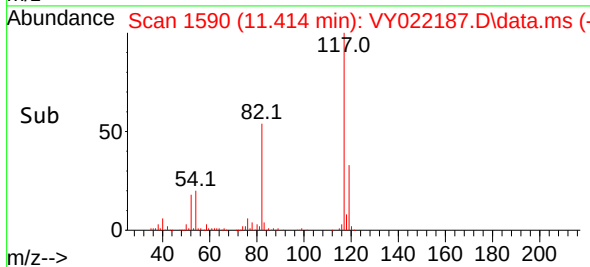
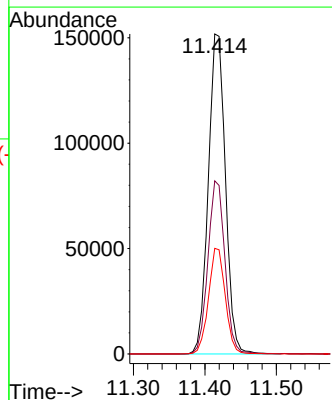
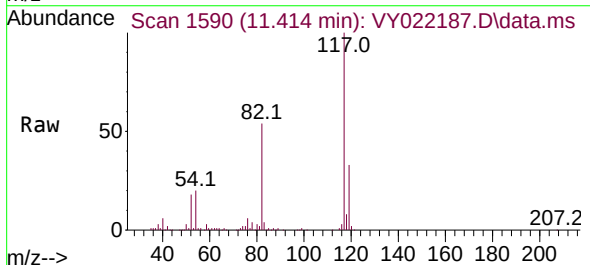
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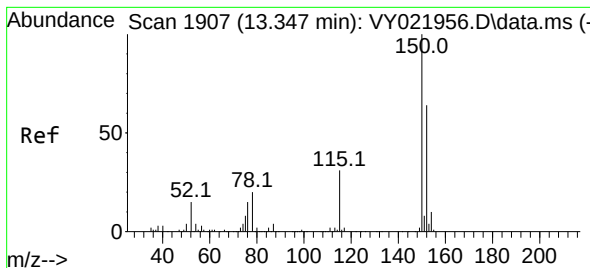
Tgt Ion: 95 Resp: 89957
Ion Ratio Lower Upper
95 100
174 86.8 0.0 179.0
176 84.7 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022187.D
Acq: 07 May 2025 12:27

Tgt Ion: 117 Resp: 252442
Ion Ratio Lower Upper
117 100
82 54.1 42.1 63.1
119 33.0 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022187.D

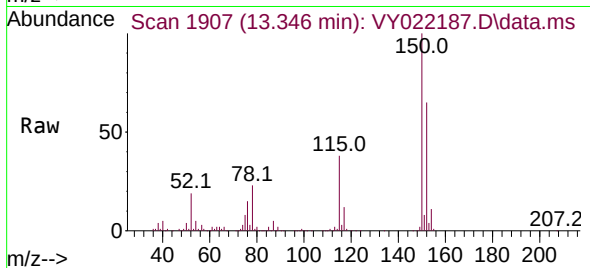
Acq: 07 May 2025 12:27

Instrument :

MSVOA_Y

ClientSampleId :

HD-01-050525



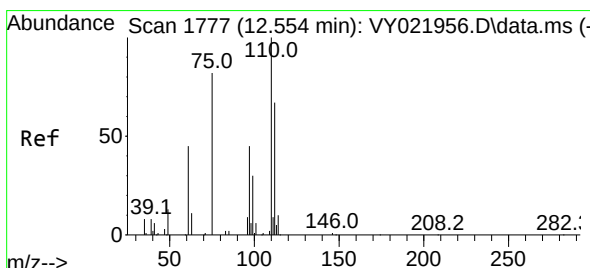
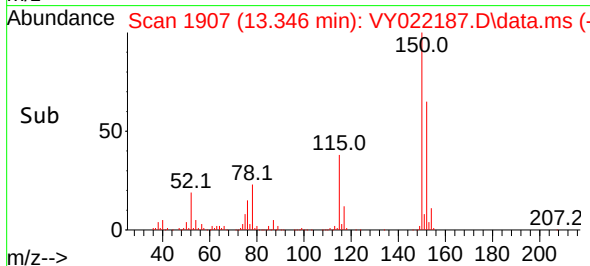
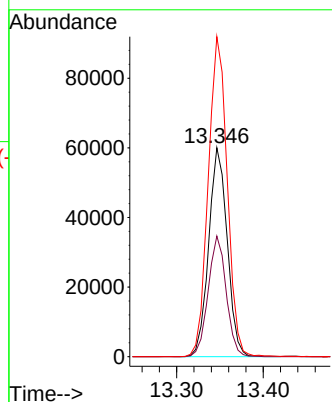
Tgt Ion:152 Resp: 89330

Ion Ratio Lower Upper

152 100

115 56.0 28.0 84.0

150 156.8 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 60.882 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022187.D

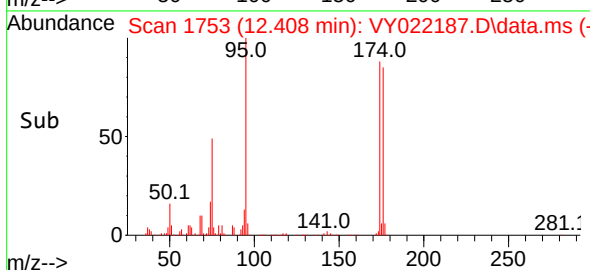
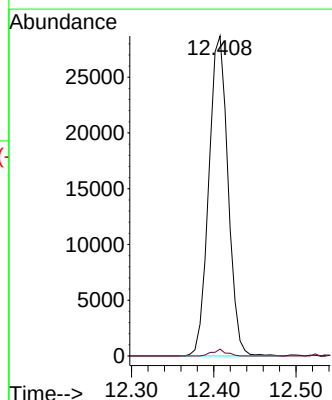
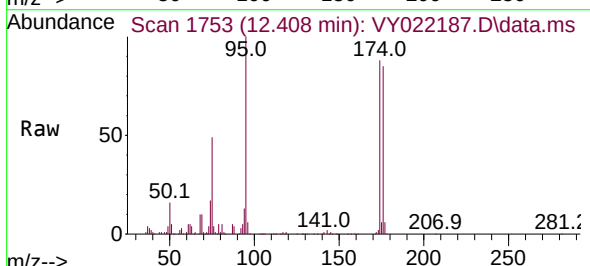
Acq: 07 May 2025 12:27

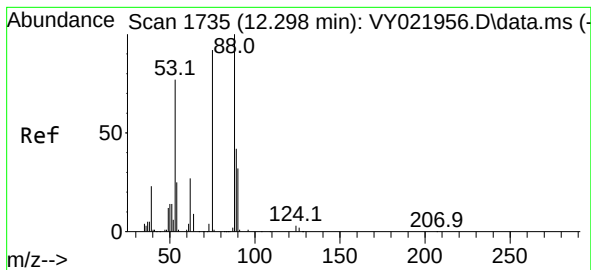
Tgt Ion: 75 Resp: 46584

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.612 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022187.D
 Acq: 07 May 2025 12:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-01-050525

Tgt Ion: 75 Resp: 46584
 Ion Ratio Lower Upper
 75 100
 53 0.3 66.0 99.0#
 89 0.0 37.2 55.8#

