

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050625\
 Data File : VY022176.D
 Acq On : 06 May 2025 12:16
 Operator : SY/MD
 Sample : Q1962-01
 Misc : 5.49g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-01-050525

Quant Time: May 07 04:34:07 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)

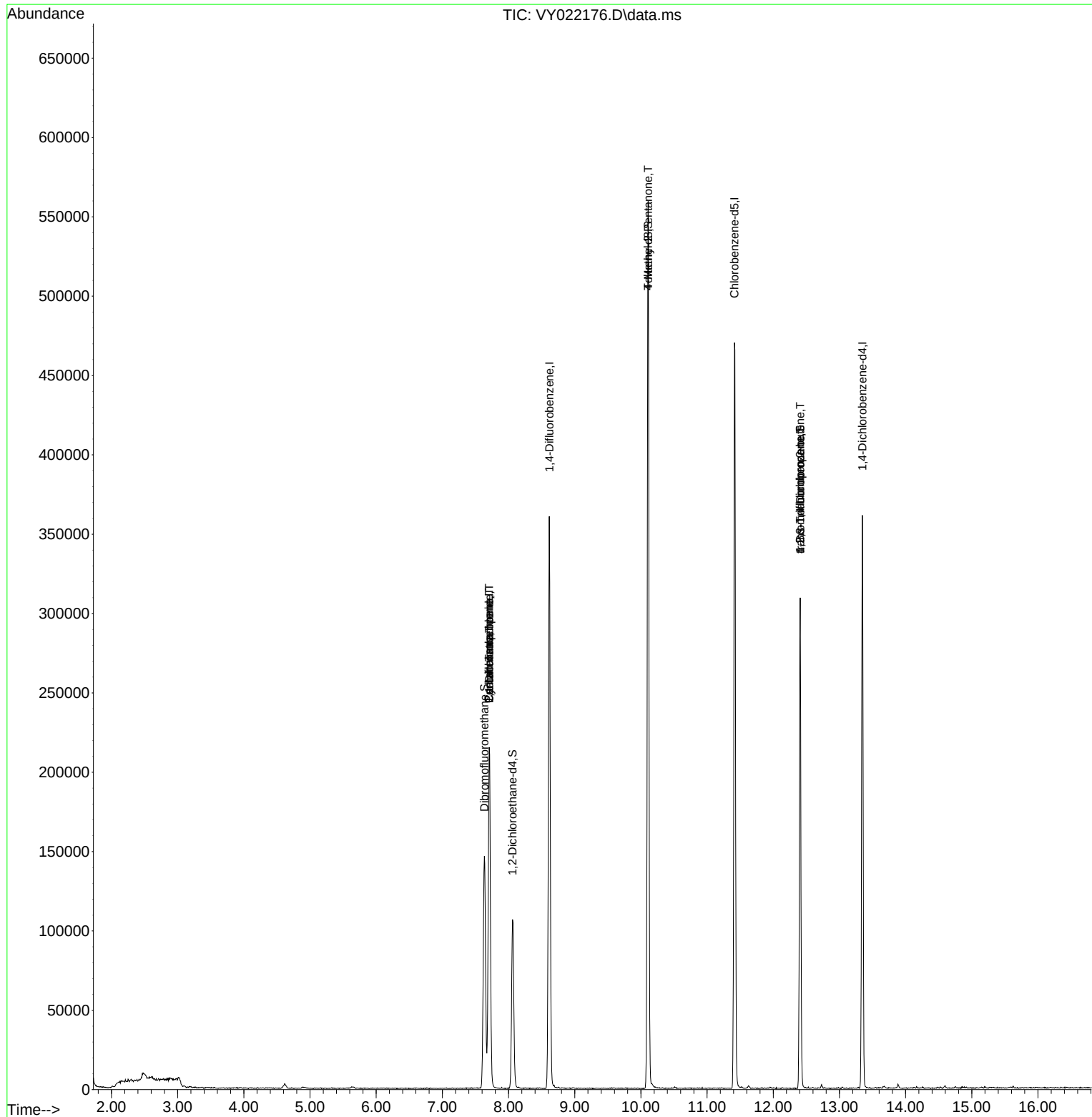
Internal Standards						
1) Pentafluorobenzene	7.707	168	168974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	307640	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	265368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	92101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	85384	54.706	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.420%	
35) Dibromofluoromethane	7.634	113	107003	52.648	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.300%	
50) Toluene-d8	10.109	98	374256	48.844	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.680%	
62) 4-Bromofluorobenzene	12.408	95	93588	36.282	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 72.560%	
Target Compounds						Qvalue
16) Acetone	3.873	43	440	Below Cal	#	41
31) Cyclohexane	7.707	56	3396	1.316	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	13200	4.835	ug/l #	48
38) Carbon Tetrachloride	7.707	117	17607	5.397	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	1458	1.477	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	46541	58.996	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	46541	142.070	ug/l #	16

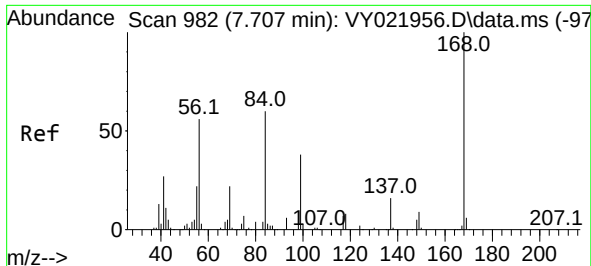
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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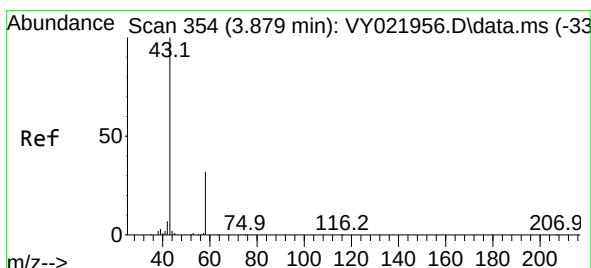
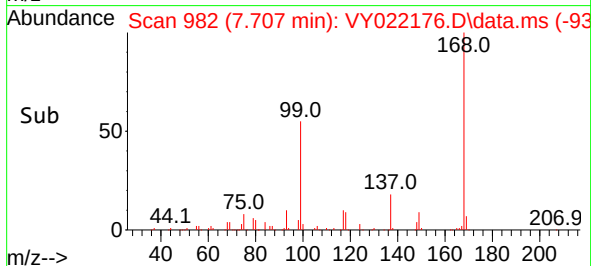
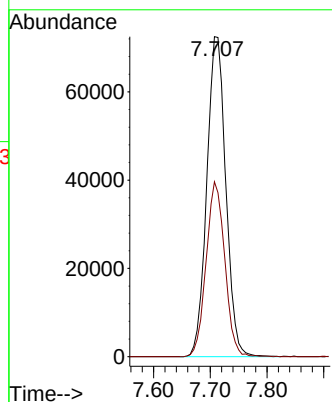
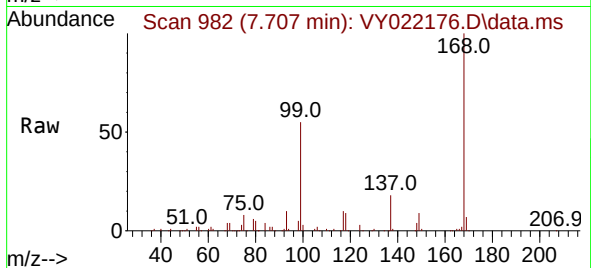




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022176.D
Acq: 06 May 2025 12:16

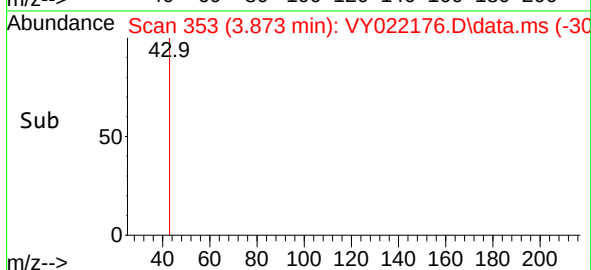
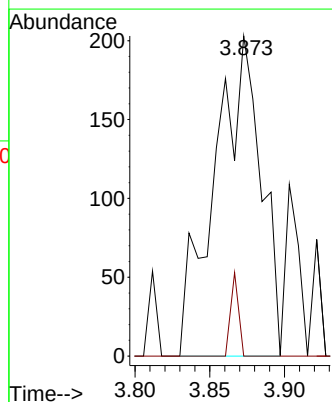
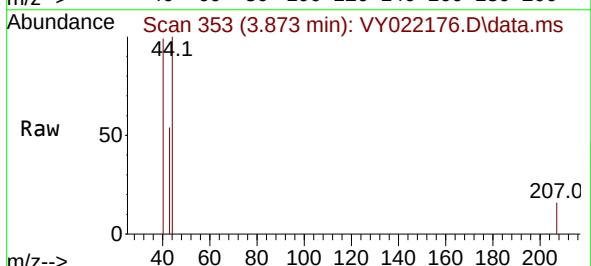
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-050525

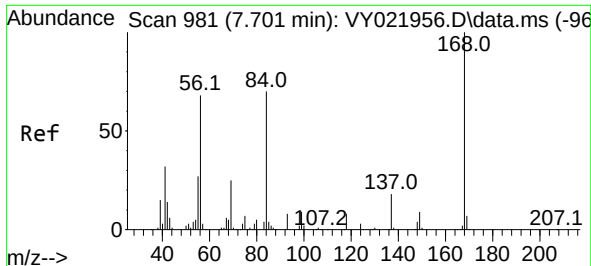
Tgt Ion:168 Resp: 168974
Ion Ratio Lower Upper
168 100
99 54.7 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022176.D
Acq: 06 May 2025 12:16

Tgt Ion: 43 Resp: 440
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

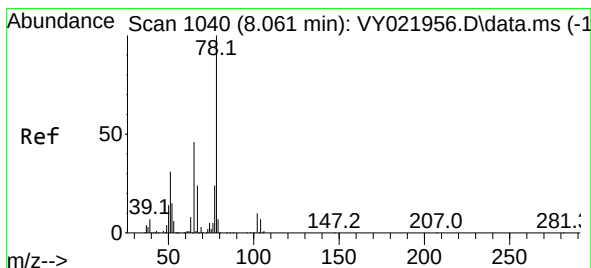
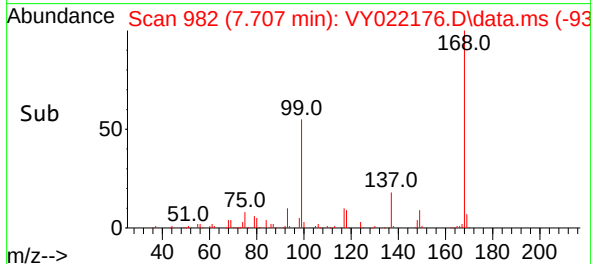
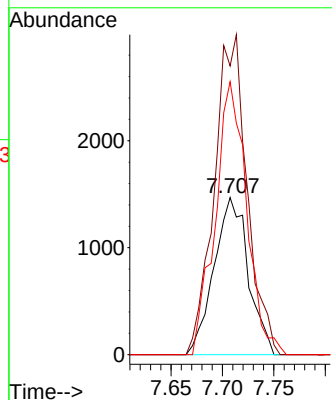
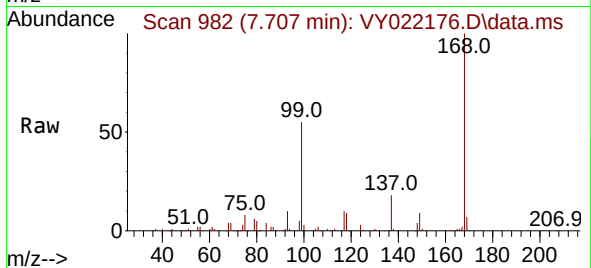




#31
Cyclohexane
Concen: 1.316 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022176.D
Acq: 06 May 2025 12:16

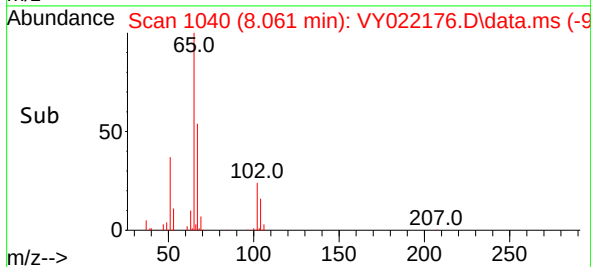
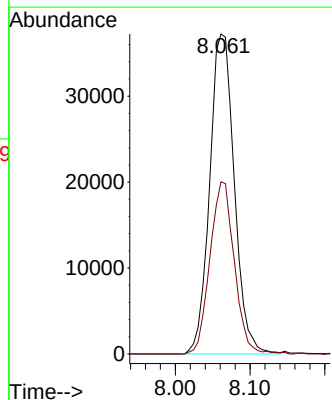
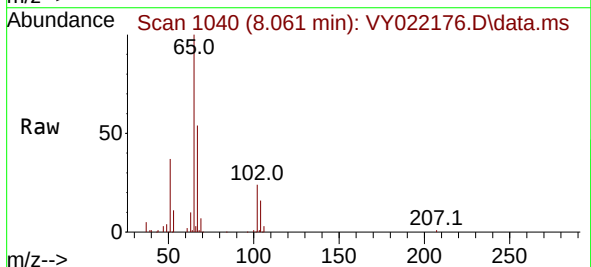
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-050525

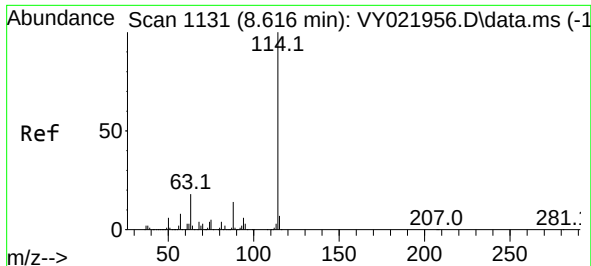
Tgt Ion: 56 Resp: 3396
Ion Ratio Lower Upper
56 100
69 183.7 29.4 44.2#
84 173.7 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 54.706 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022176.D
Acq: 06 May 2025 12:16

Tgt Ion: 65 Resp: 85384
Ion Ratio Lower Upper
65 100
67 53.2 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: VY022176.D

Acq: 06 May 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

HD-01-050525

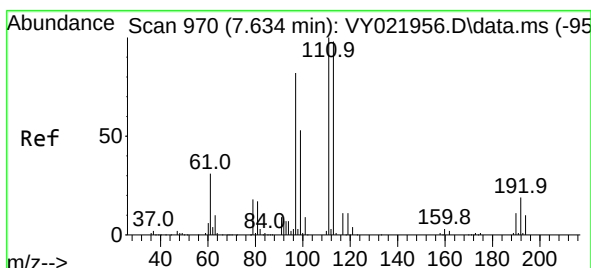
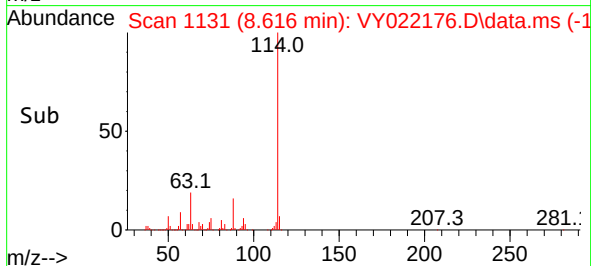
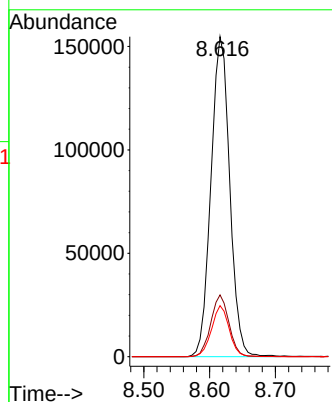
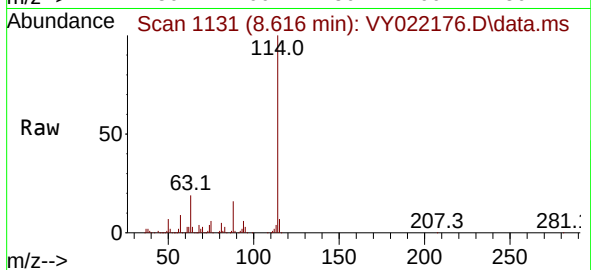
Tgt Ion:114 Resp: 307640

Ion Ratio Lower Upper

114 100

63 19.3 0.0 35.4

88 15.9 0.0 28.2



#35

Dibromofluoromethane

Concen: 52.648 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022176.D

Acq: 06 May 2025 12:16

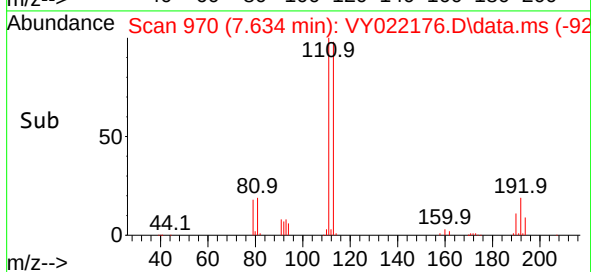
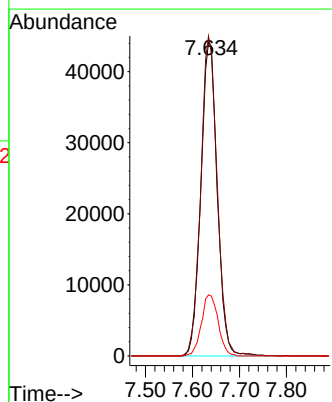
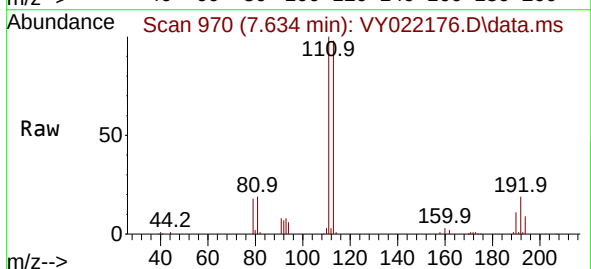
Tgt Ion:113 Resp: 107003

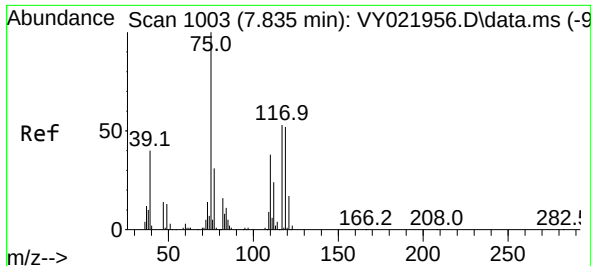
Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

192 19.8 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.835 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY022176.D

Acq: 06 May 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

HD-01-050525

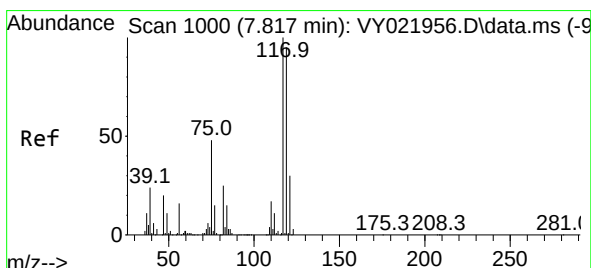
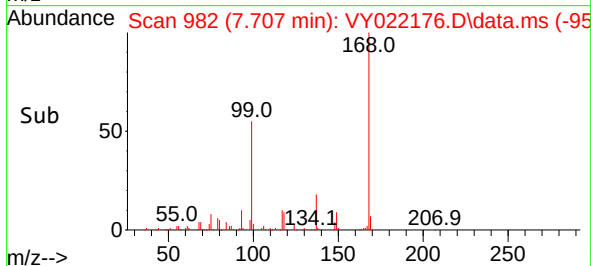
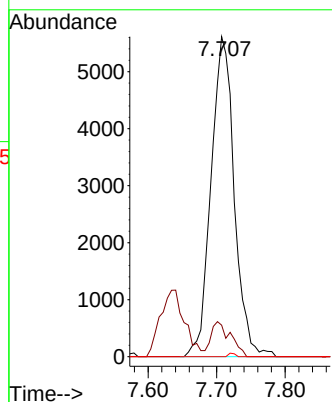
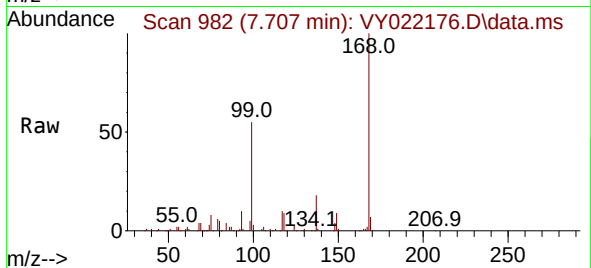
Tgt Ion: 75 Resp: 13200

Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.3#

77 0.3 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 5.397 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022176.D

Acq: 06 May 2025 12:16

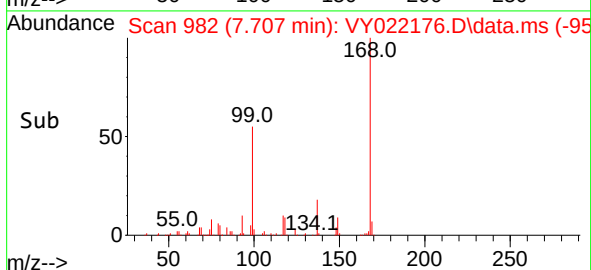
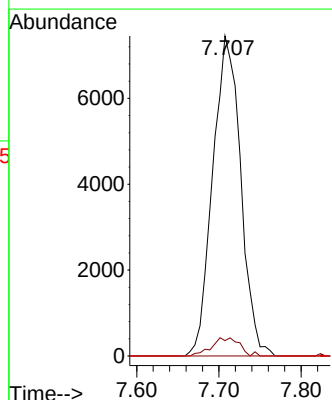
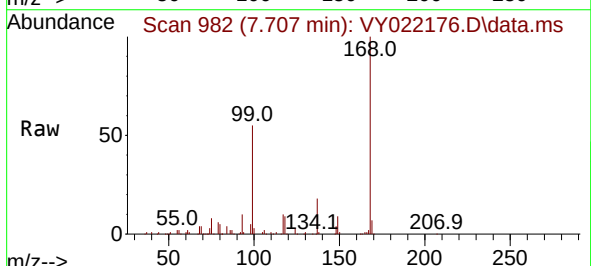
Tgt Ion: 117 Resp: 17607

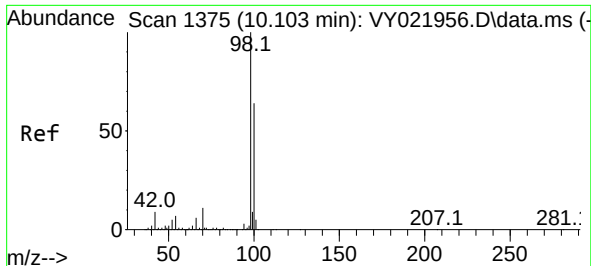
Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.4#

121 0.0 24.0 36.0#

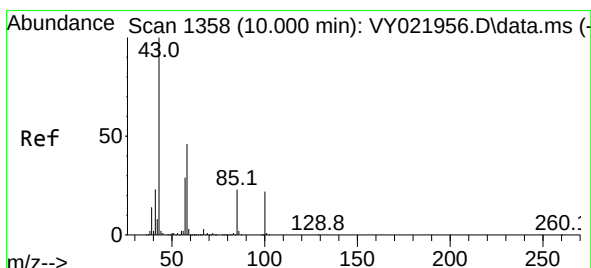
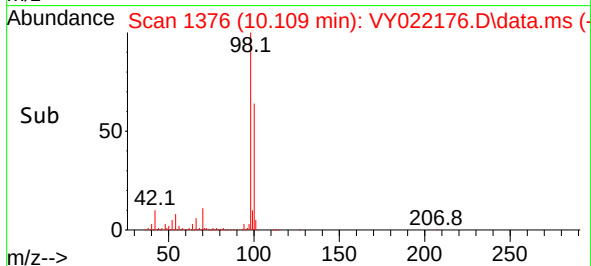
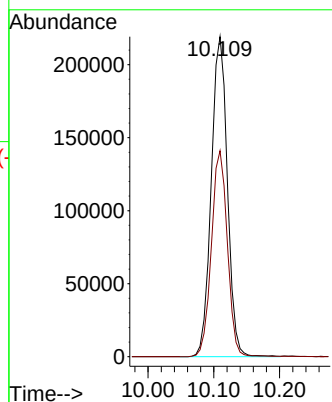
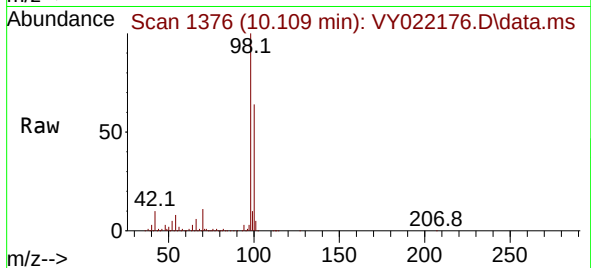




#50
Toluene-d8
Concen: 48.844 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022176.D
Acq: 06 May 2025 12:16

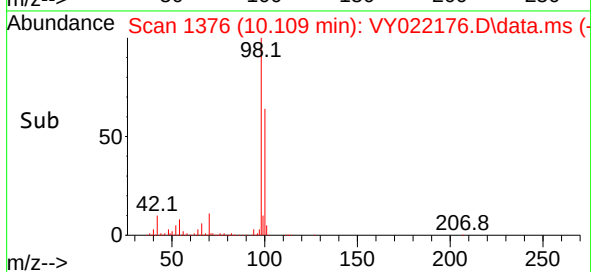
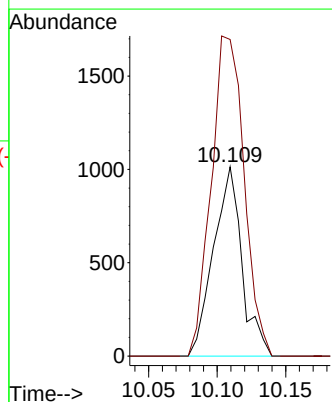
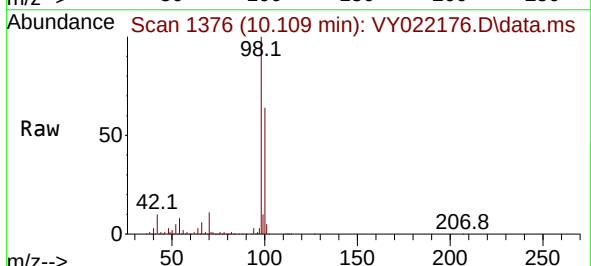
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HD-01-050525

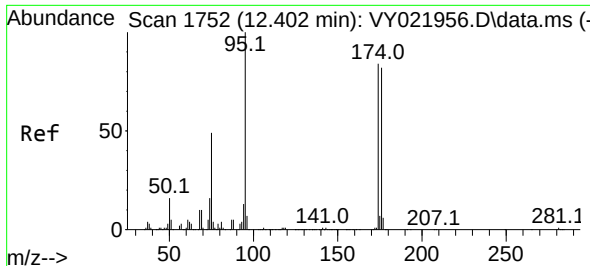
Tgt Ion: 98 Resp: 374256
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.477 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY022176.D
Acq: 06 May 2025 12:16

Tgt Ion: 43 Resp: 1458
Ion Ratio Lower Upper
43 100
58 196.2 36.6 55.0#

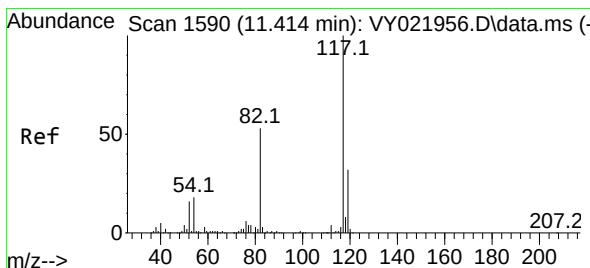
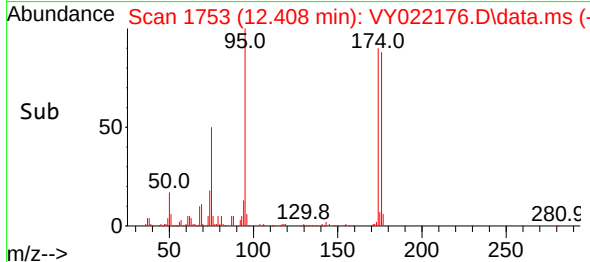
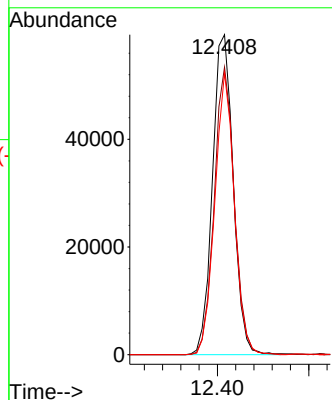
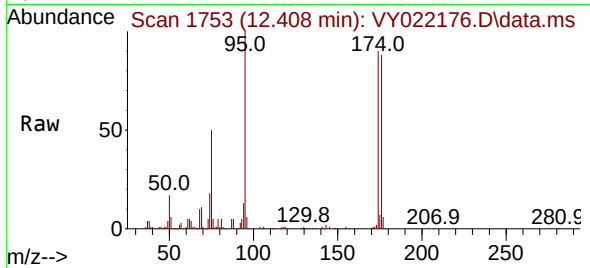




#62
4-Bromofluorobenzene
Concen: 36.282 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022176.D
Acq: 06 May 2025 12:16

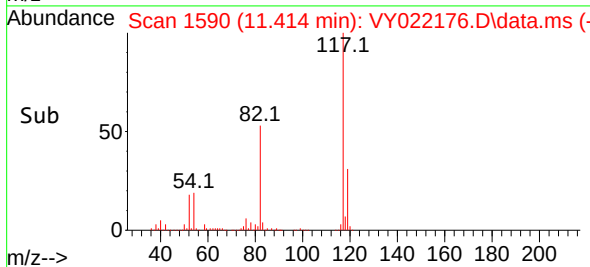
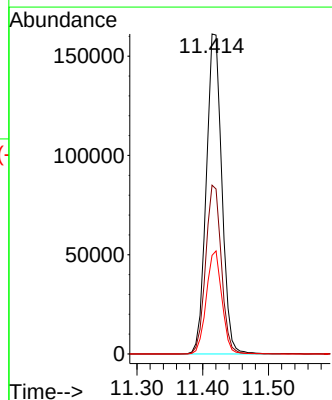
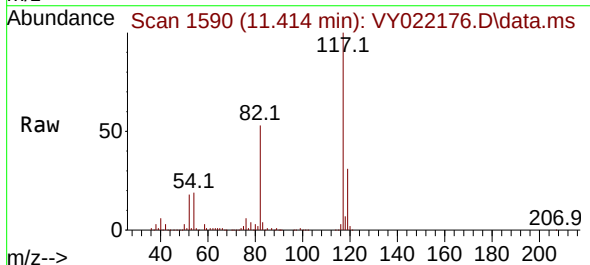
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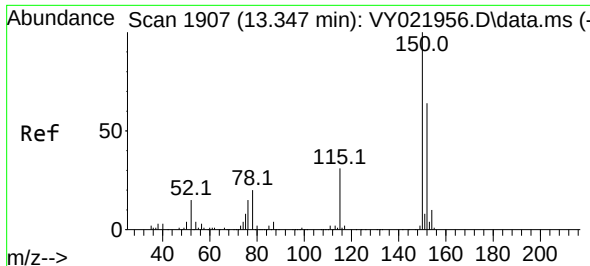
Tgt Ion: 95 Resp: 93588
Ion Ratio Lower Upper
95 100
174 87.5 0.0 179.0
176 83.1 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022176.D
Acq: 06 May 2025 12:16

Tgt Ion: 117 Resp: 265368
Ion Ratio Lower Upper
117 100
82 52.8 42.1 63.1
119 30.8 25.7 38.5

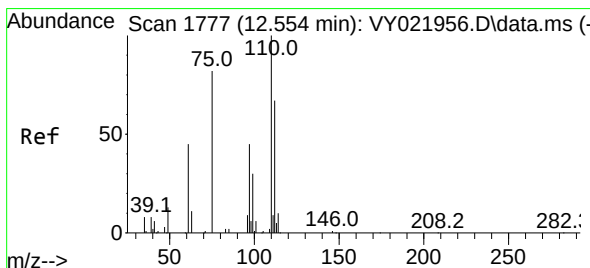
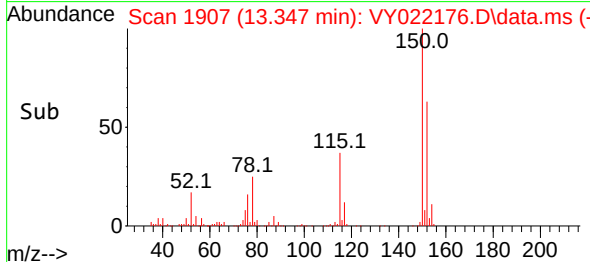
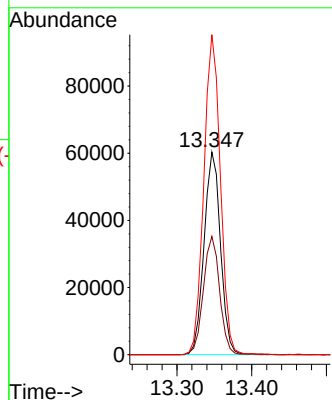
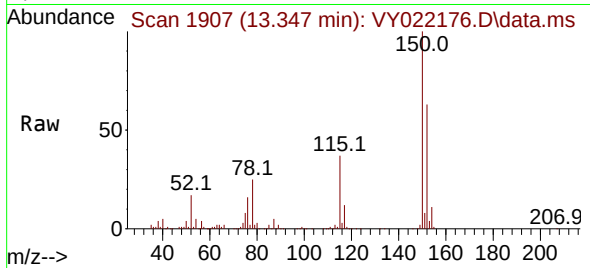




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022176.D
 Acq: 06 May 2025 12:16

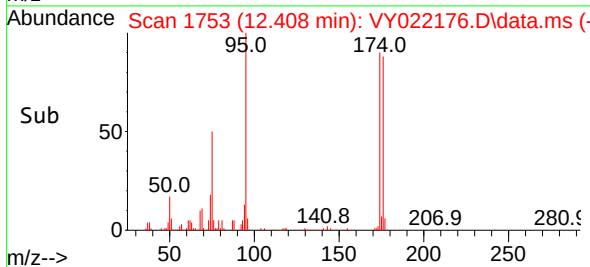
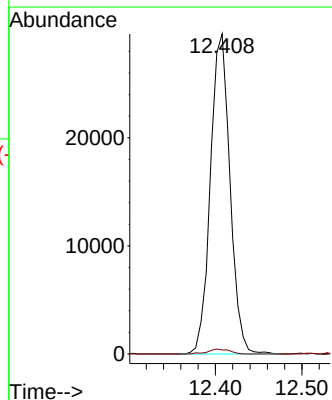
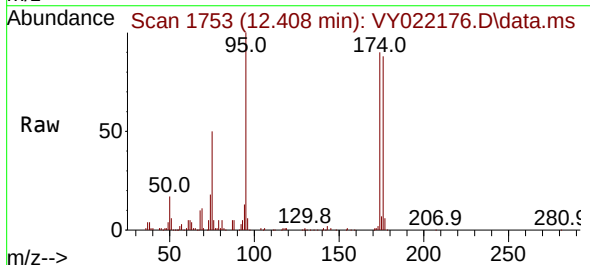
Instrument :
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 HD-01-050525

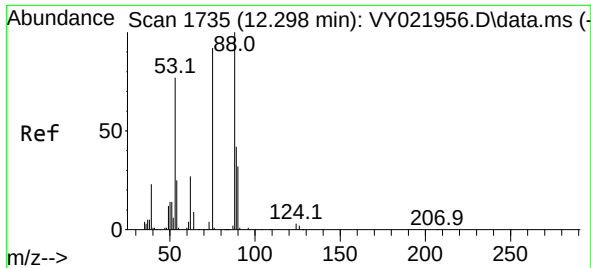
Tgt Ion:152 Resp: 92101
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.0 84.0
 150 158.8 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 58.996 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY022176.D
 Acq: 06 May 2025 12:16

Tgt Ion: 75 Resp: 46541
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.070 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022176.D
 Acq: 06 May 2025 12:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-01-050525

Tgt Ion: 75 Resp: 46541
 Ion Ratio Lower Upper
 75 100
 53 0.3 66.0 99.0#
 89 0.0 37.2 55.8#

