

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022269.D
 Acq On : 15 May 2025 17:09
 Operator : SY/MD
 Sample : Q1984-11
 Misc : 2.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-26-050725

Quant Time: May 16 01:58:08 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)

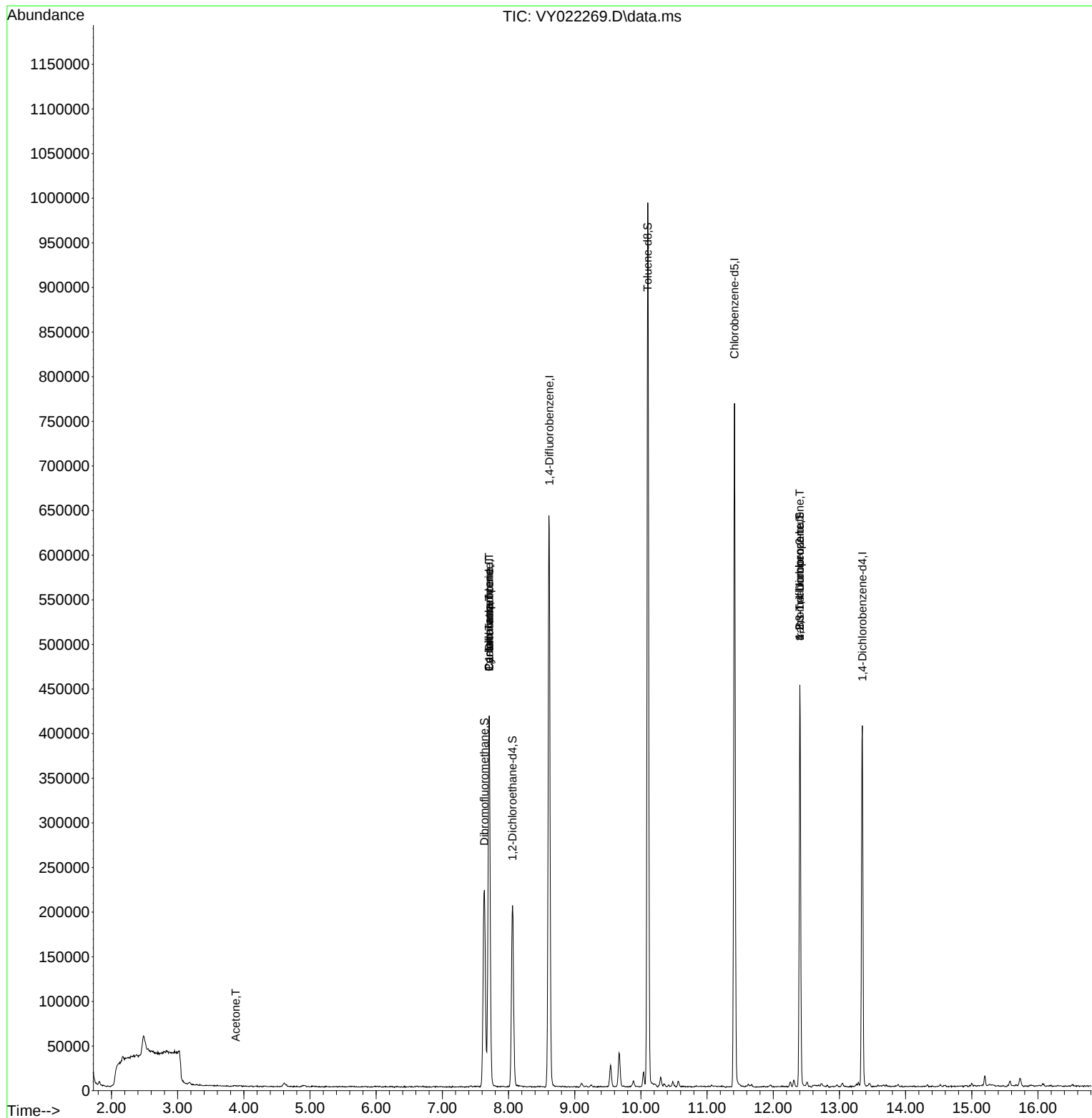
Internal Standards						
1) Pentafluorobenzene	7.707	168	310652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	533243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	372086	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	94725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	152748	44.990	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.980%
35) Dibromofluoromethane	7.634	113	157040	49.342	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.680%
50) Toluene-d8	10.103	98	615965	47.255	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.500%
62) 4-Bromofluorobenzene	12.402	95	125945	30.483	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	60.960%
Target Compounds						Qvalue
16) Acetone	3.879	43	970	1.524	ug/l	93
31) Cyclohexane	7.707	56	8111	1.181	ug/l #	12
36) 1,1-Dichloropropene	7.707	75	26008	4.961	ug/l #	51
38) Carbon Tetrachloride	7.707	117	30751	5.667	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	72878	75.941	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	72878	153.838	ug/l #	12

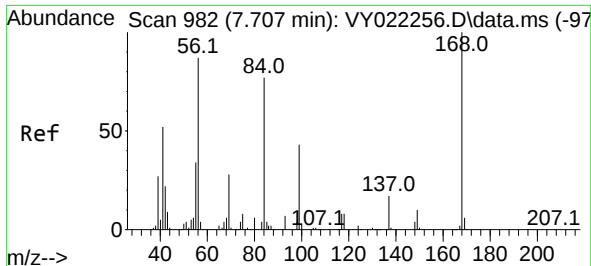
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OU4-TS-26-050725

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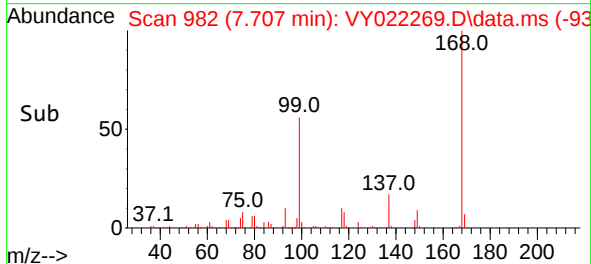
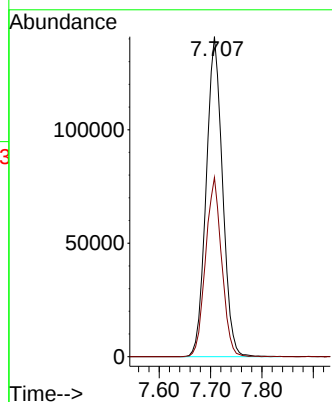
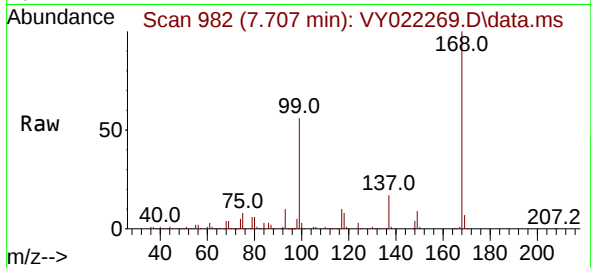




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022269.D
Acq: 15 May 2025 17:09

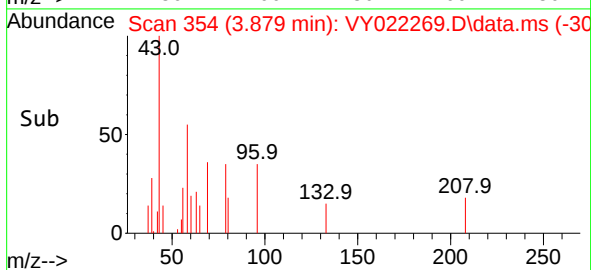
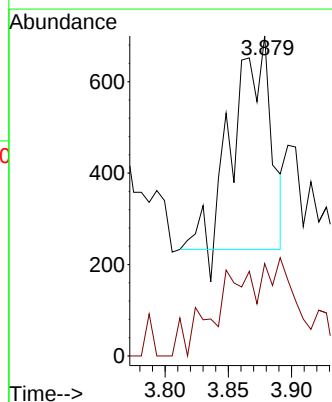
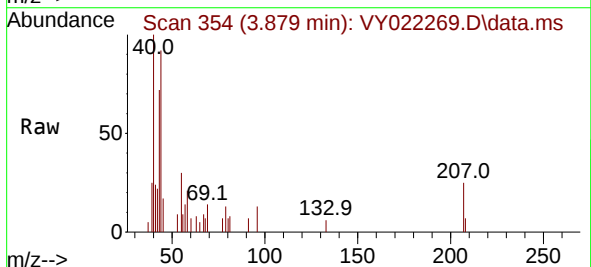
Instrument :
MSVOA_Y
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OU4-TS-26-050725

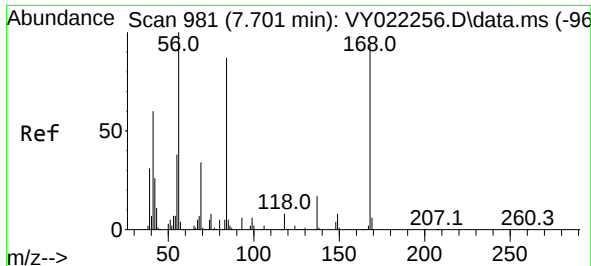
Tgt Ion:168 Resp: 310652
Ion Ratio Lower Upper
168 100
99 56.0 44.2 66.4



#16
Acetone
Concen: 1.524 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022269.D
Acq: 15 May 2025 17:09

Tgt Ion: 43 Resp: 970
Ion Ratio Lower Upper
43 100
58 25.5 23.6 35.4

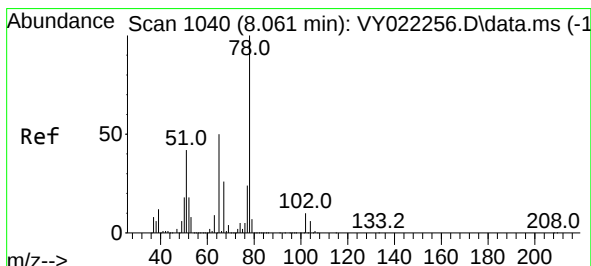
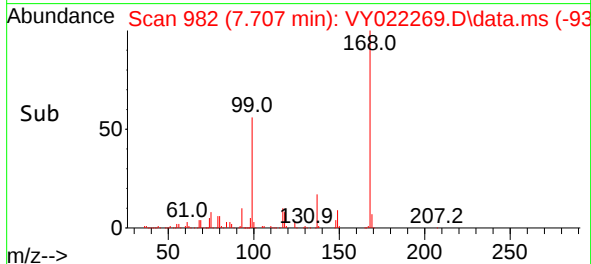
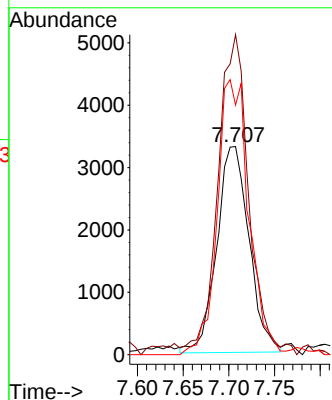
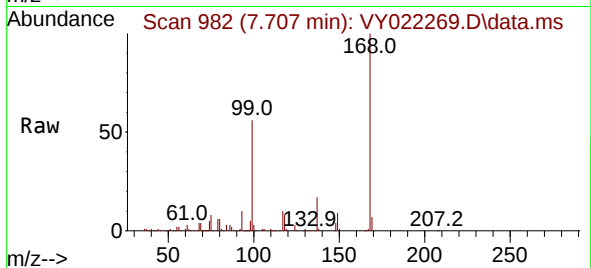




#31
Cyclohexane
Concen: 1.181 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022269.D
Acq: 15 May 2025 17:09

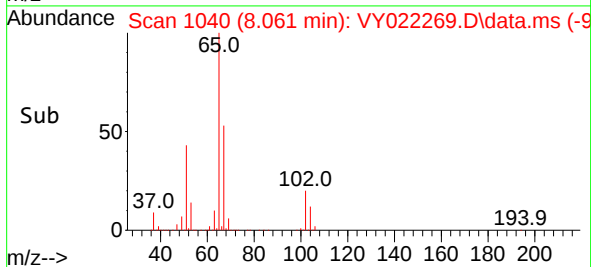
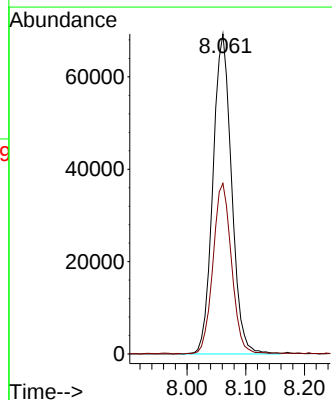
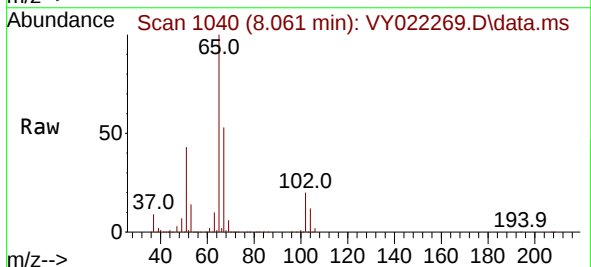
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-26-050725

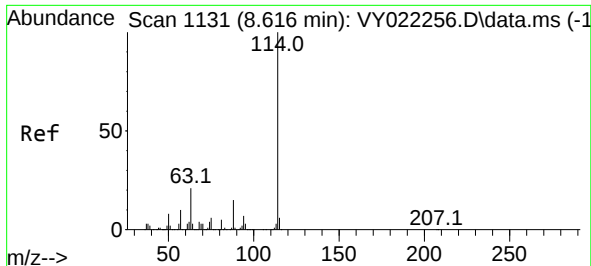
Tgt Ion: 56 Resp: 8111
Ion Ratio Lower Upper
56 100
69 156.0 27.4 41.2#
84 124.2 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 44.990 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022269.D
Acq: 15 May 2025 17:09

Tgt Ion: 65 Resp: 152748
Ion Ratio Lower Upper
65 100
67 53.3 0.0 104.6

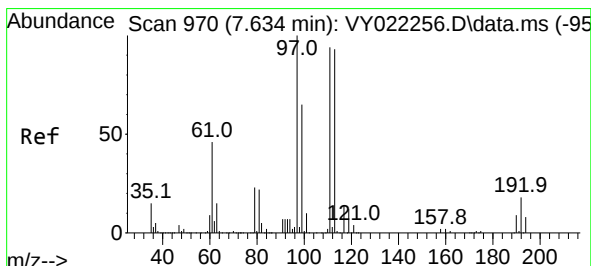
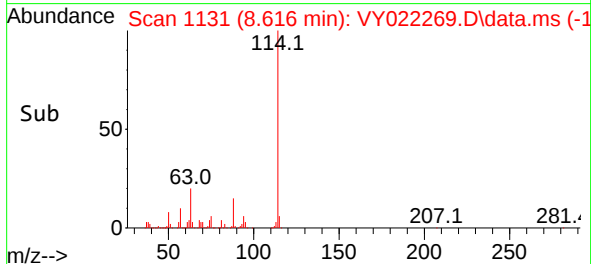
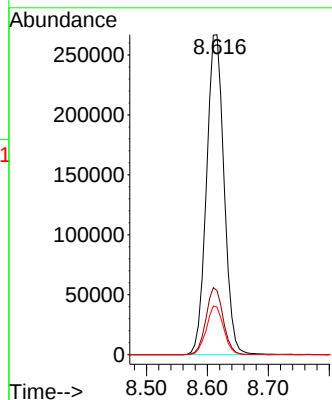
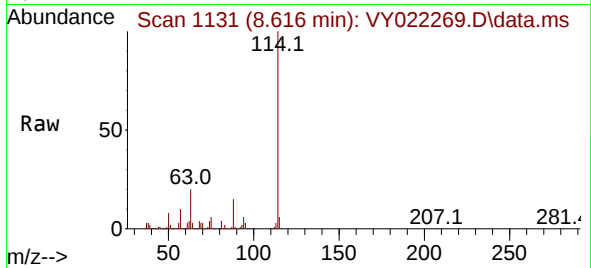




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022269.D
Acq: 15 May 2025 17:09

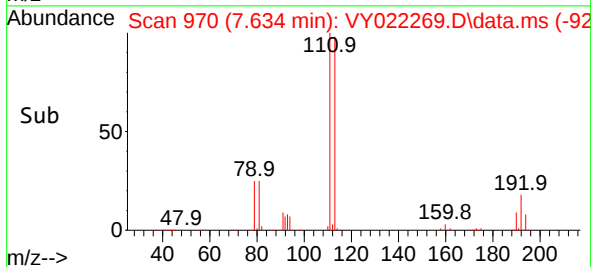
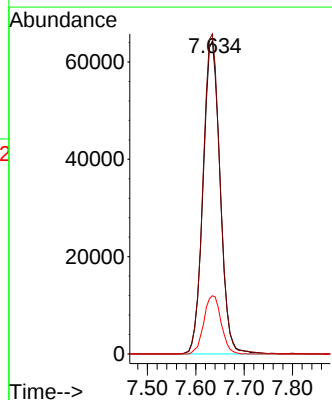
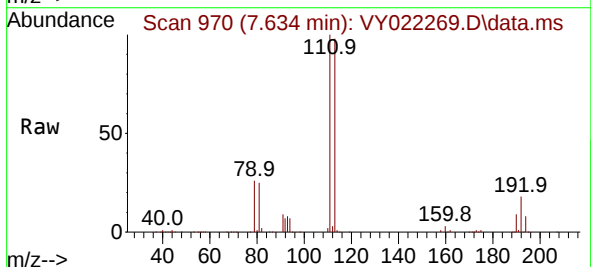
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-26-050725

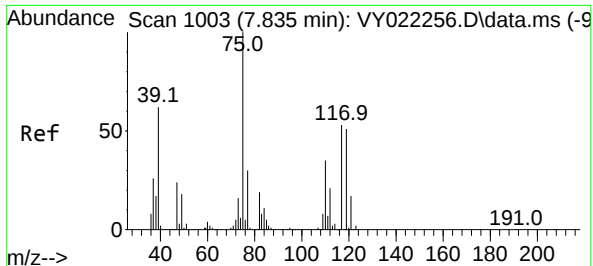
Tgt Ion:114 Resp: 533243
Ion Ratio Lower Upper
114 100
63 20.0 0.0 41.0
88 14.9 0.0 29.4



#35
Dibromofluoromethane
Concen: 49.342 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022269.D
Acq: 15 May 2025 17:09

Tgt Ion:113 Resp: 157040
Ion Ratio Lower Upper
113 100
111 101.9 82.6 123.8
192 18.9 15.2 22.8

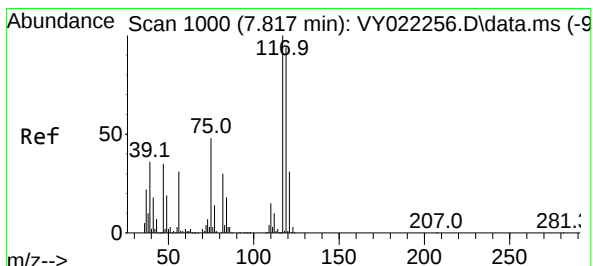
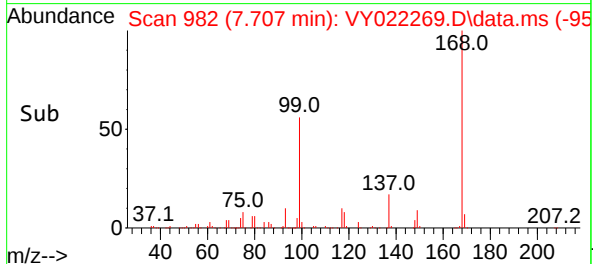
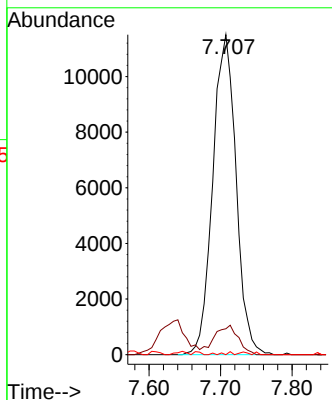
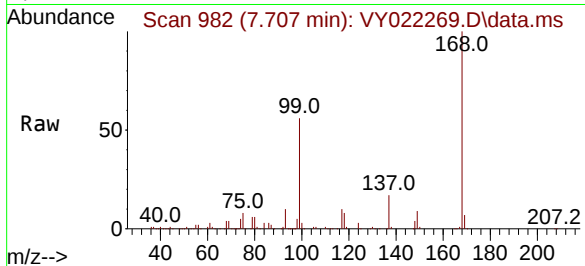




#36
1,1-Dichloropropene
Concen: 4.961 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY022269.D
Acq: 15 May 2025 17:09

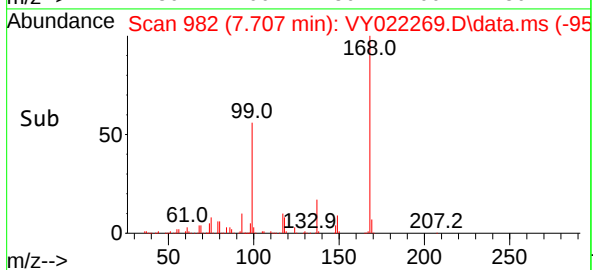
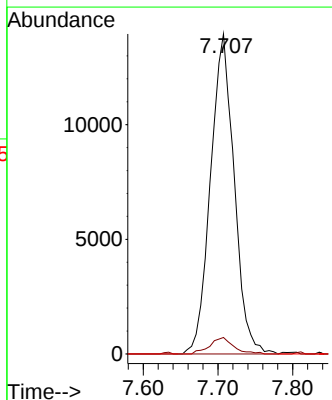
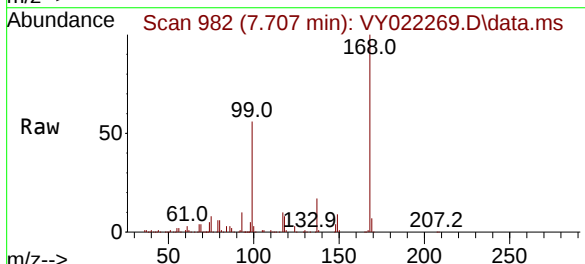
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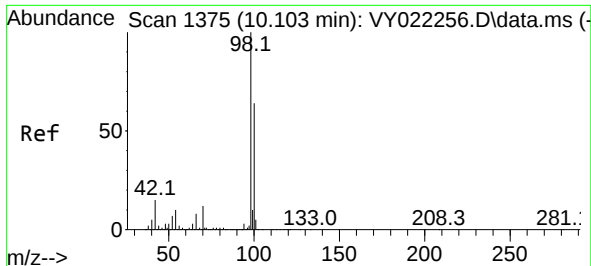
Tgt Ion: 75 Resp: 26008
Ion Ratio Lower Upper
75 100
110 9.5 16.6 49.8#
77 0.2 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.667 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY022269.D
Acq: 15 May 2025 17:09

Tgt Ion: 117 Resp: 30751
Ion Ratio Lower Upper
117 100
119 5.2 75.3 112.9#
121 0.0 24.7 37.1#

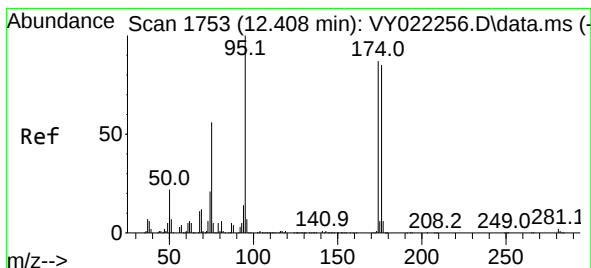
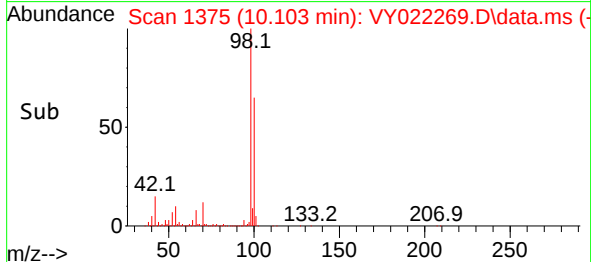
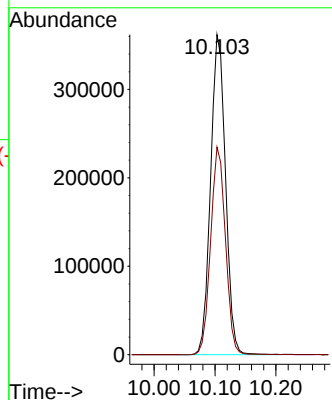
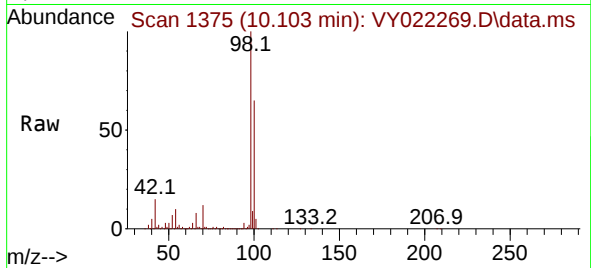




#50
Toluene-d8
Concen: 47.255 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022269.D
Acq: 15 May 2025 17:09

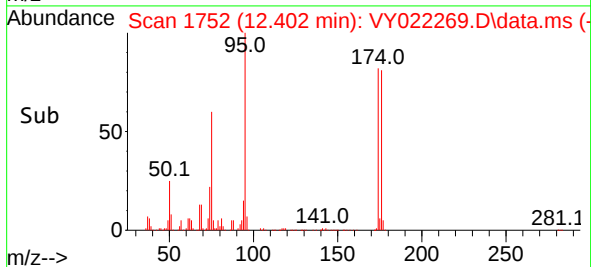
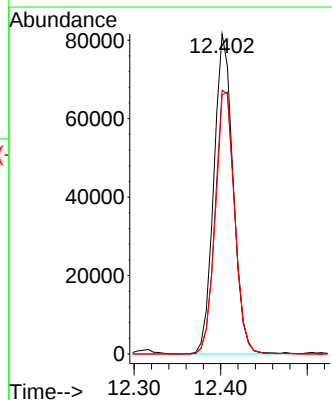
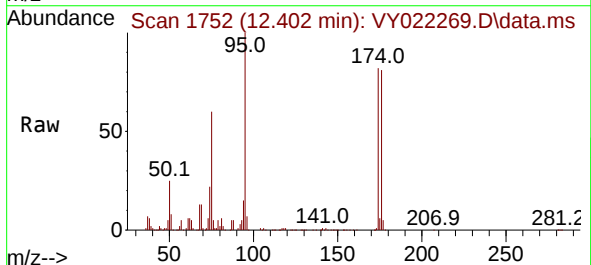
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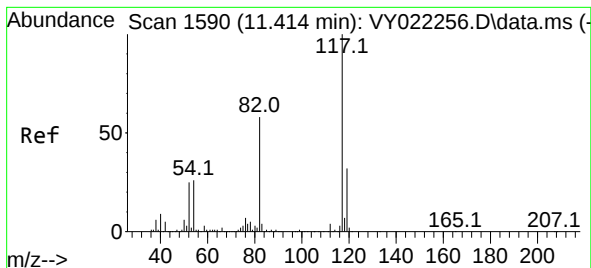
Tgt Ion: 98 Resp: 615965
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 30.483 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022269.D
Acq: 15 May 2025 17:09

Tgt Ion: 95 Resp: 125945
Ion Ratio Lower Upper
95 100
174 83.4 0.0 166.8
176 82.3 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022269.D

Acq: 15 May 2025 17:09

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-26-050725

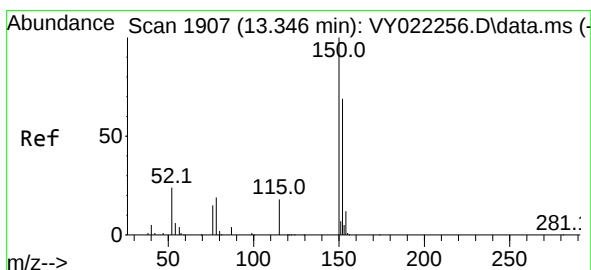
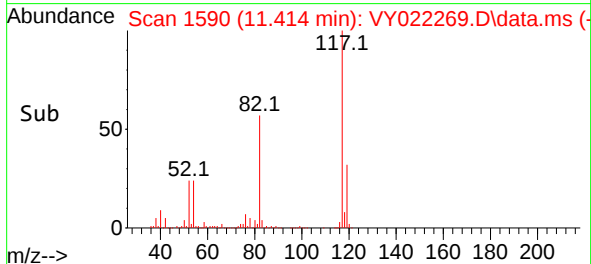
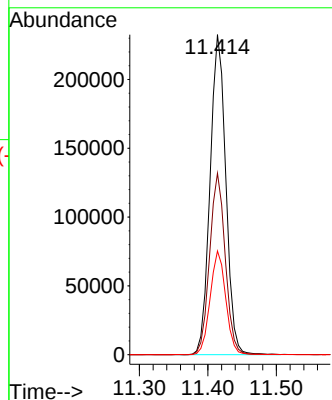
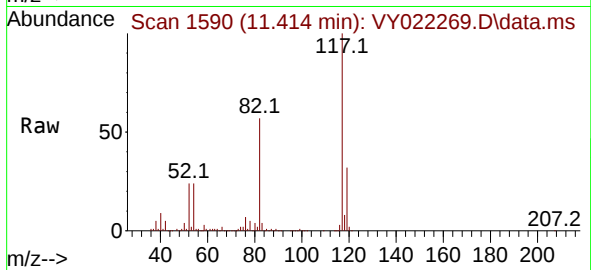
Tgt Ion:117 Resp: 372086

Ion Ratio Lower Upper

117 100

82 56.7 46.6 70.0

119 32.3 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022269.D

Acq: 15 May 2025 17:09

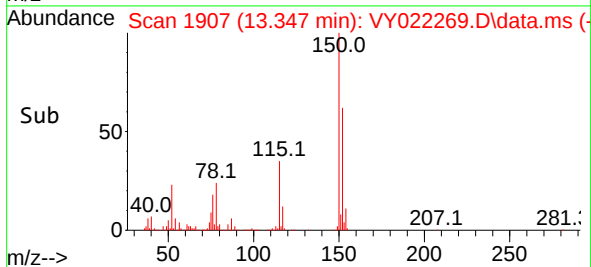
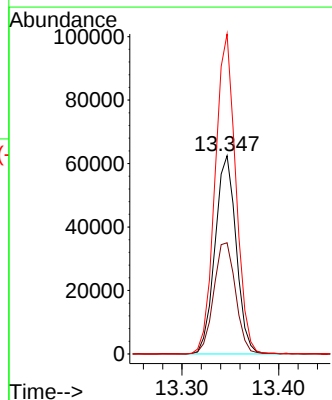
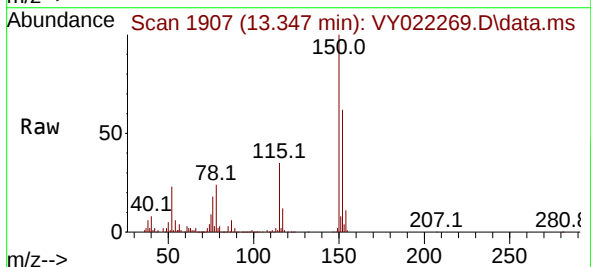
Tgt Ion:152 Resp: 94725

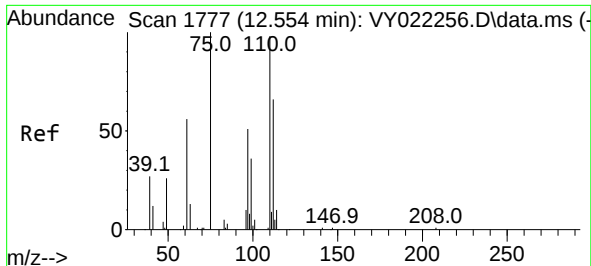
Ion Ratio Lower Upper

152 100

115 58.3 29.4 88.2

150 158.0 0.0 353.8

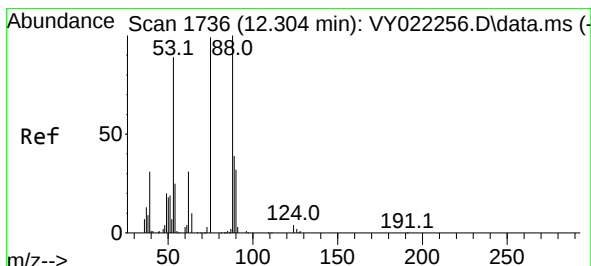
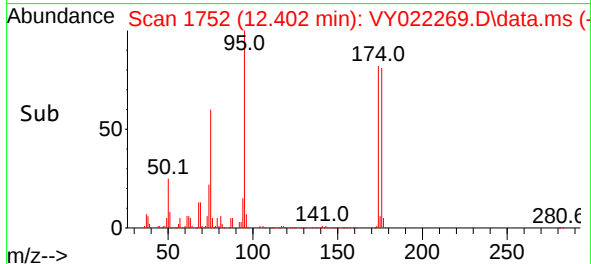
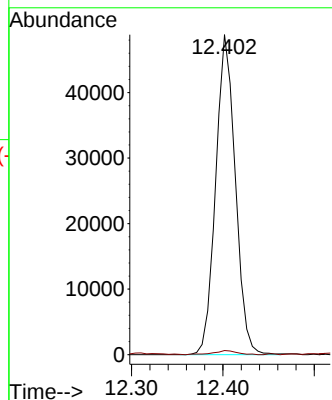
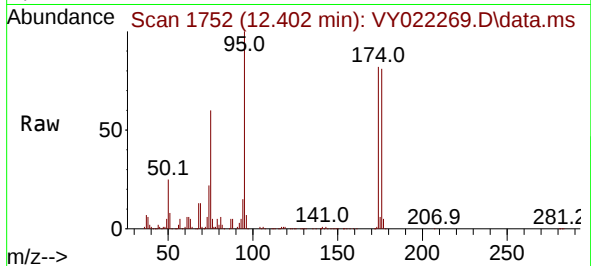




#76
1,2,3-Trichloropropane
Concen: 75.941 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022269.D
Acq: 15 May 2025 17:09

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-26-050725

Tgt Ion: 75 Resp: 72878
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 153.838 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022269.D
Acq: 15 May 2025 17:09

Tgt Ion: 75 Resp: 72878
Ion Ratio Lower Upper
75 100
53 0.2 75.8 113.8#
89 0.0 36.2 54.2#

