

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022264.D
 Acq On : 15 May 2025 15:12
 Operator : SY/MD
 Sample : Q1984-01
 Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-33-050725

Quant Time: May 16 01:56:09 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)

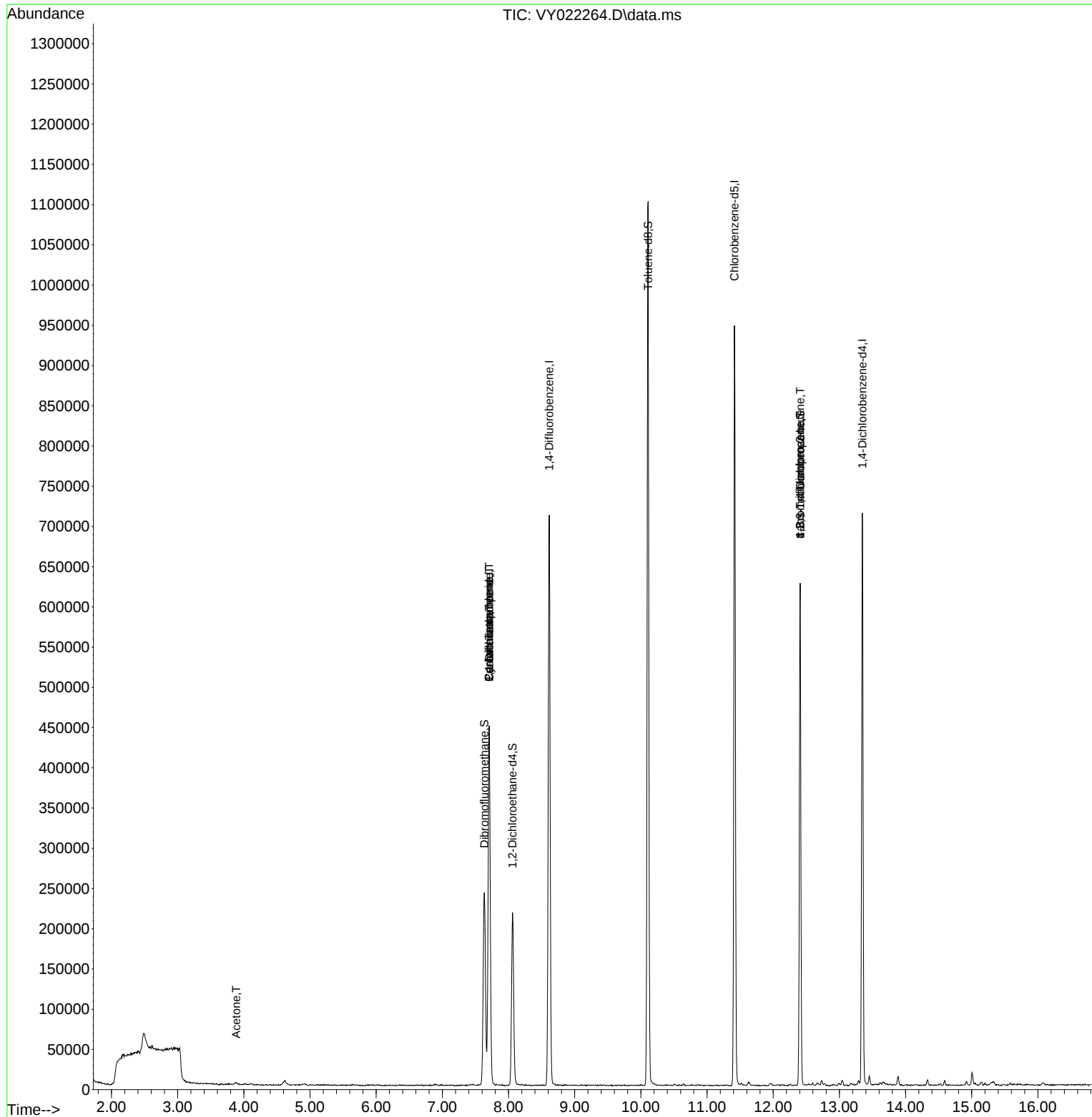
Internal Standards						
1) Pentafluorobenzene	7.707	168	335713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	583367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	455663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	163510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	162950	44.412	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.820%
35) Dibromofluoromethane	7.634	113	170196	48.881	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.760%
50) Toluene-d8	10.109	98	693172	48.609	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.220%
62) 4-Bromofluorobenzene	12.408	95	177590	39.290	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.580%
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	4606	6.695	ug/l	98
31) Cyclohexane	7.707	56	9120	1.229	ug/l #	35
36) 1,1-Dichloropropene	7.707	75	29181	5.088	ug/l #	52
38) Carbon Tetrachloride	7.707	117	32512	5.477	ug/l #	15
76) 1,2,3-Trichloropropane	12.408	75	102346	61.783	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	102346	125.158	ug/l #	12

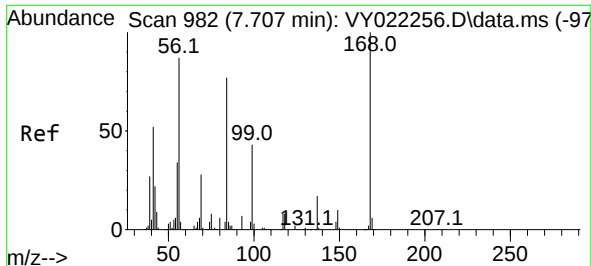
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OU4-PCS-TC-33-050725

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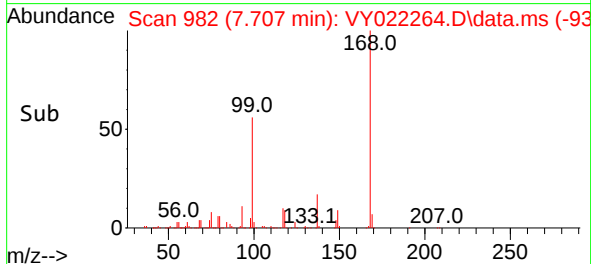
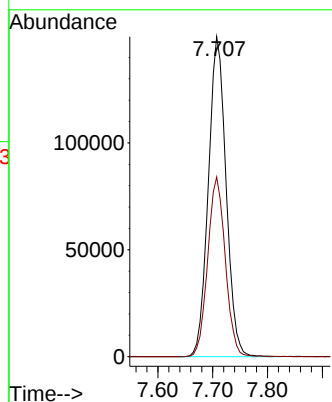
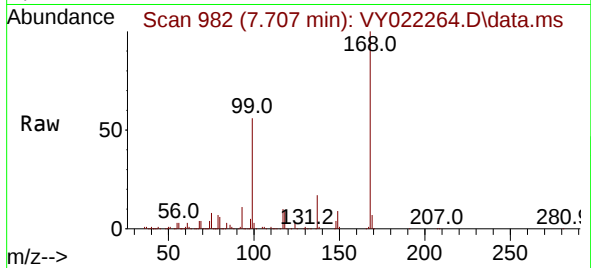




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

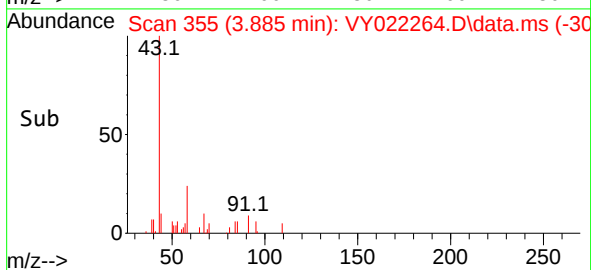
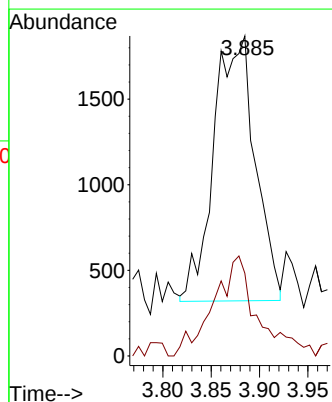
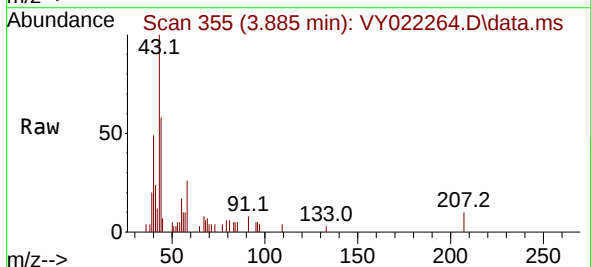
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-33-050725

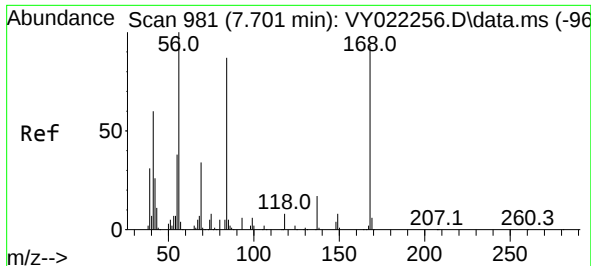
Tgt Ion:168 Resp: 335713
Ion Ratio Lower Upper
168 100
99 56.2 44.2 66.4



#16
Acetone
Concen: 6.695 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

Tgt Ion: 43 Resp: 4606
Ion Ratio Lower Upper
43 100
58 28.3 23.6 35.4

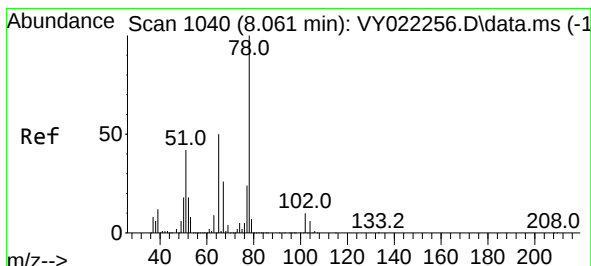
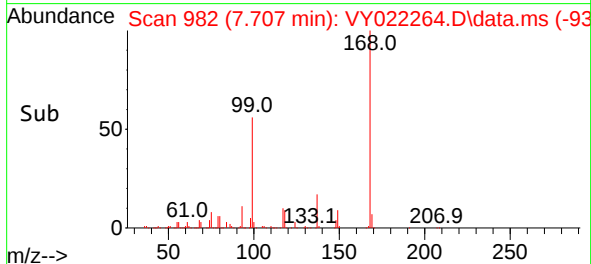
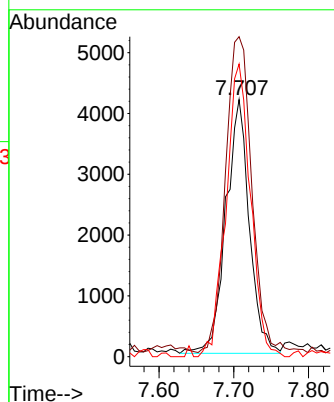
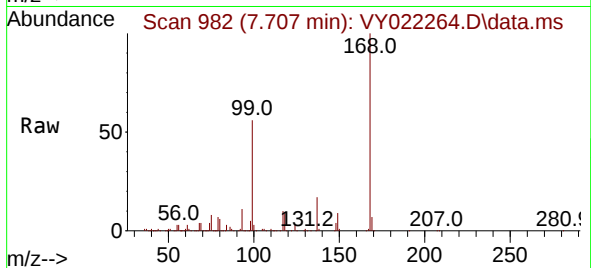




#31
Cyclohexane
Concen: 1.229 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

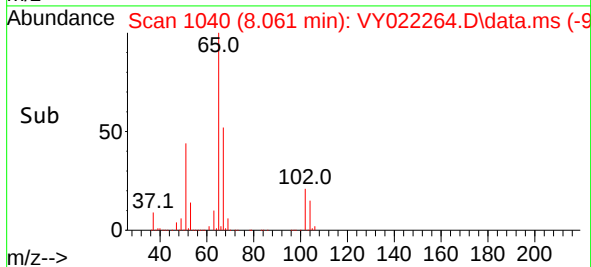
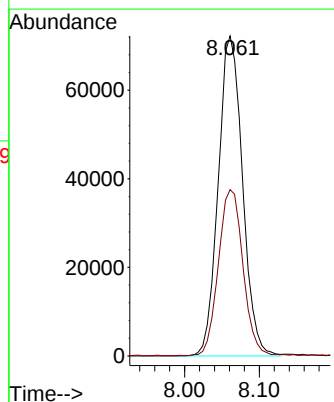
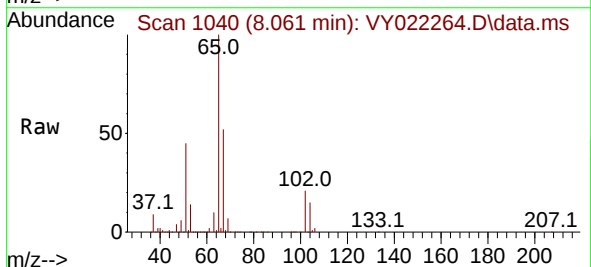
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-33-050725

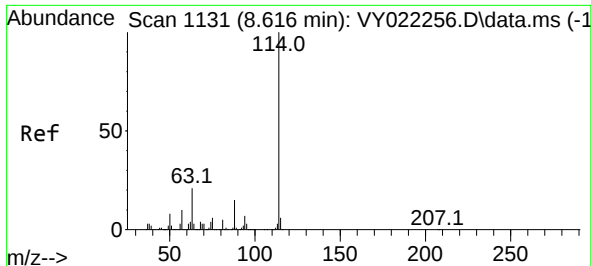
Tgt Ion: 56 Resp: 9120
Ion Ratio Lower Upper
56 100
69 122.7 27.4 41.2#
84 115.4 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 44.412 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

Tgt Ion: 65 Resp: 162950
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.6

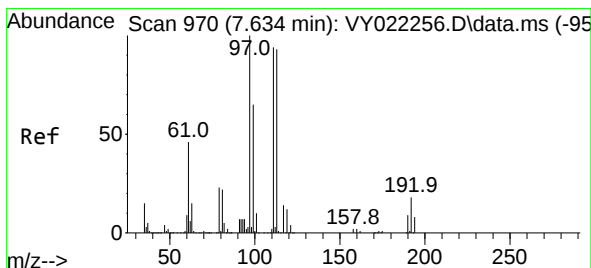
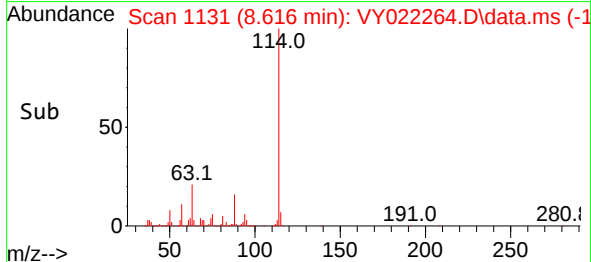
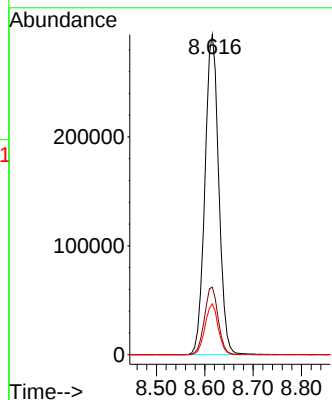
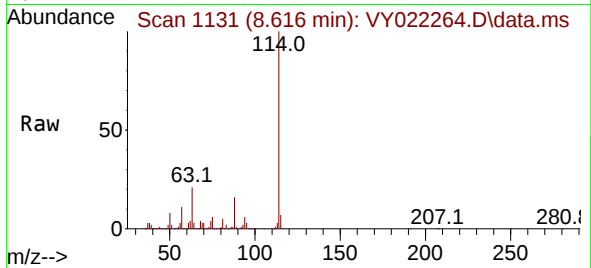




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

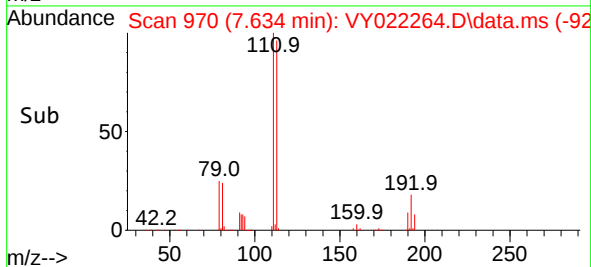
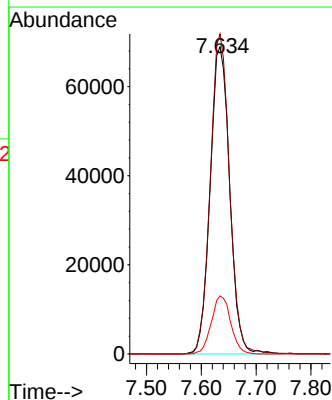
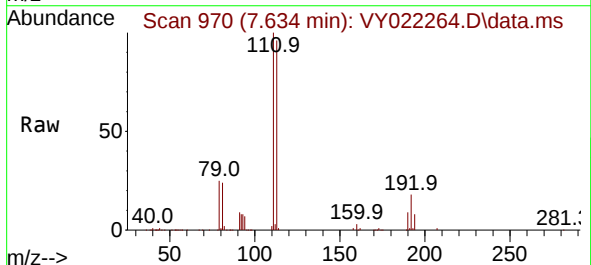
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-33-050725

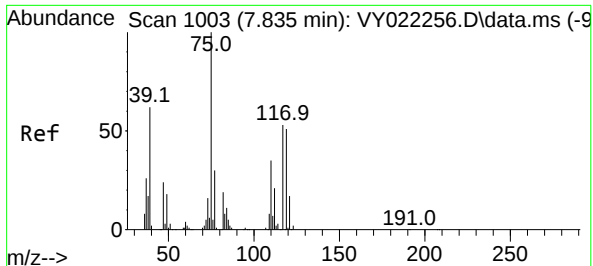
Tgt Ion:114 Resp: 583367
Ion Ratio Lower Upper
114 100
63 21.1 0.0 41.0
88 15.9 0.0 29.4



#35
Dibromofluoromethane
Concen: 48.881 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

Tgt Ion:113 Resp: 170196
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 18.8 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.088 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY022264.D

Acq: 15 May 2025 15:12

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-33-050725

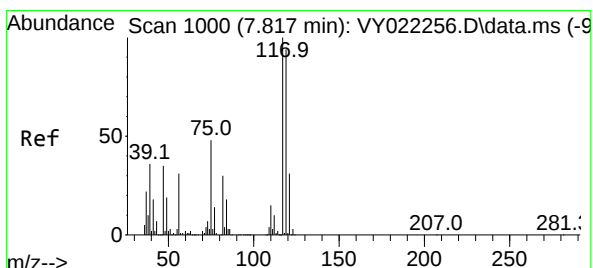
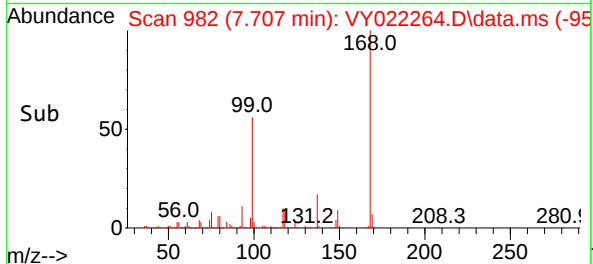
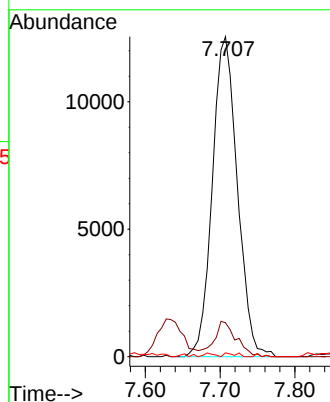
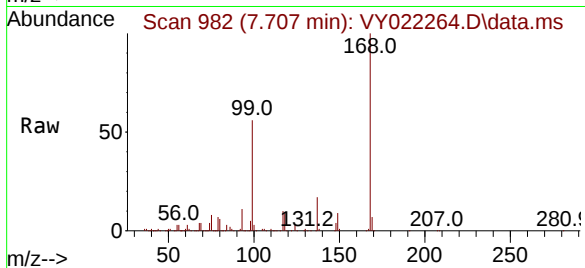
Tgt Ion: 75 Resp: 29181

Ion Ratio Lower Upper

75 100

110 9.9 16.6 49.8#

77 0.6 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.477 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022264.D

Acq: 15 May 2025 15:12

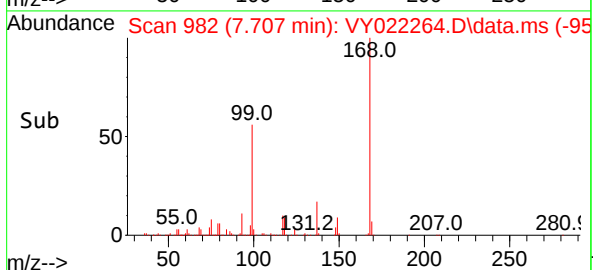
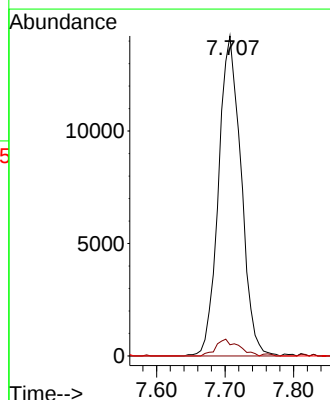
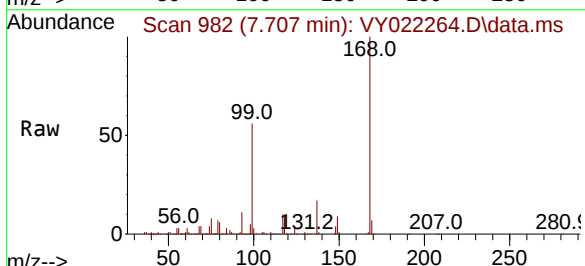
Tgt Ion: 117 Resp: 32512

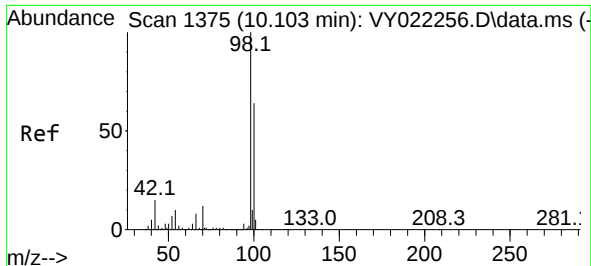
Ion Ratio Lower Upper

117 100

119 3.5 75.3 112.9#

121 0.0 24.7 37.1#

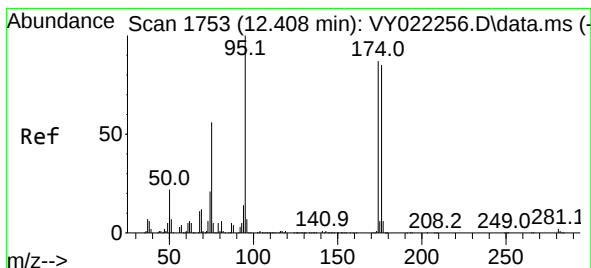
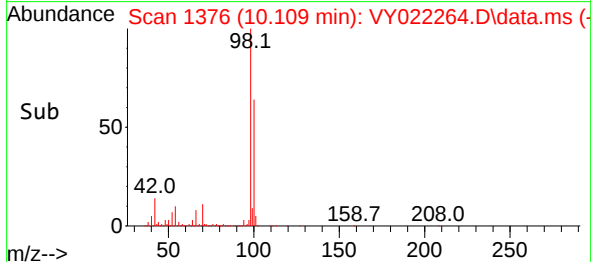
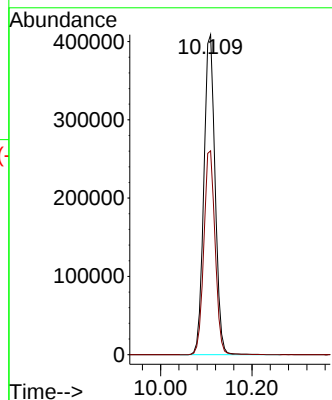
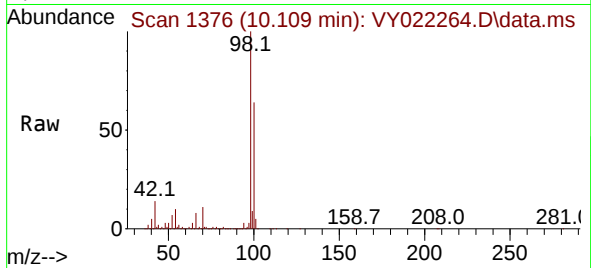




#50
Toluene-d8
Concen: 48.609 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

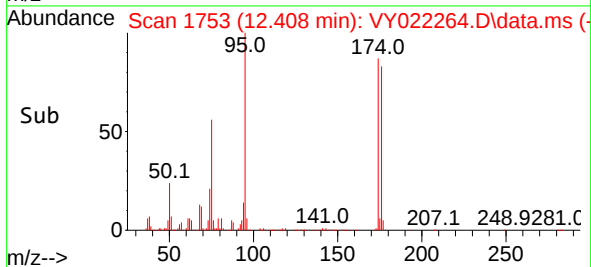
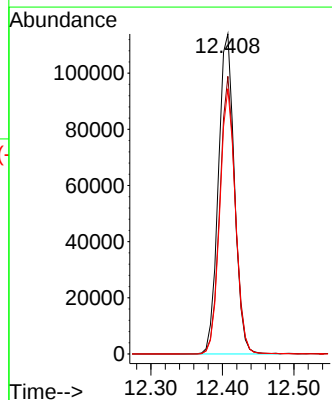
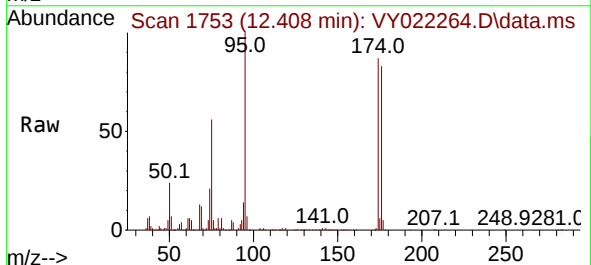
Instrument :
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ClientSampleId :
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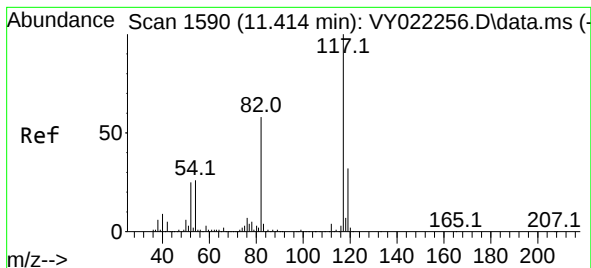
Tgt Ion: 98 Resp: 693172
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 39.290 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

Tgt Ion: 95 Resp: 177590
Ion Ratio Lower Upper
95 100
174 83.5 0.0 166.8
176 80.7 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: VY022264.D

Acq: 15 May 2025 15:12

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-33-050725

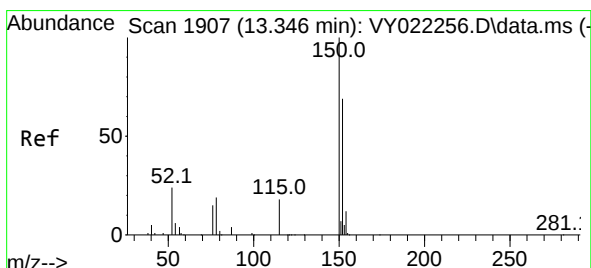
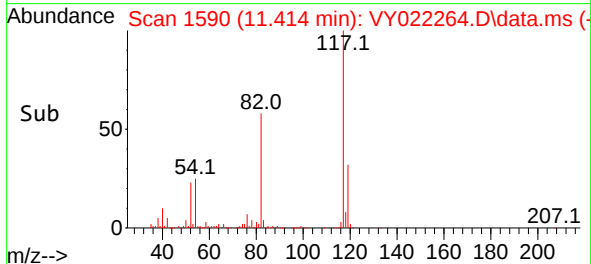
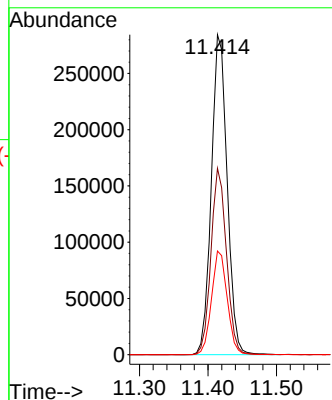
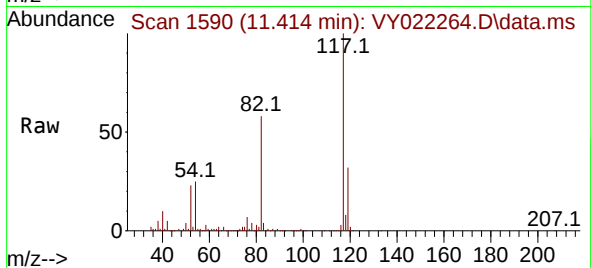
Tgt Ion:117 Resp: 455663

Ion Ratio Lower Upper

117 100

82 58.3 46.6 70.0

119 32.4 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: VY022264.D

Acq: 15 May 2025 15:12

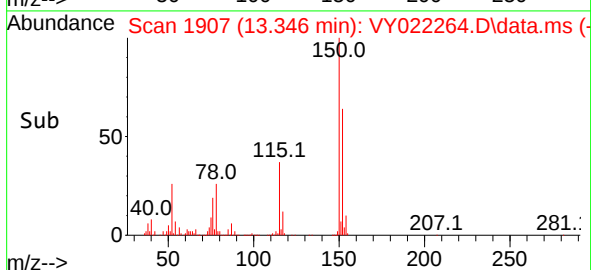
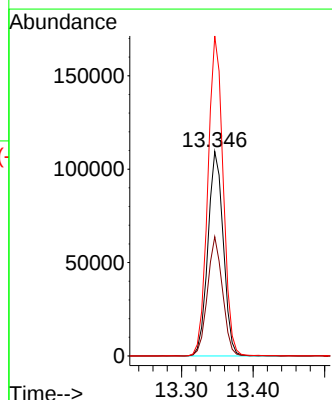
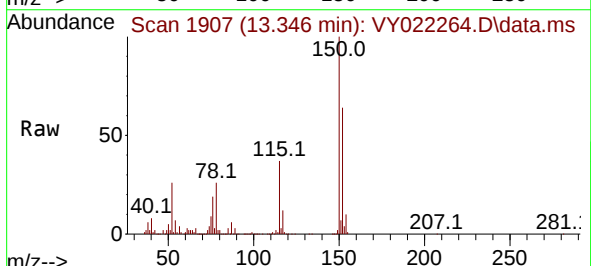
Tgt Ion:152 Resp: 163510

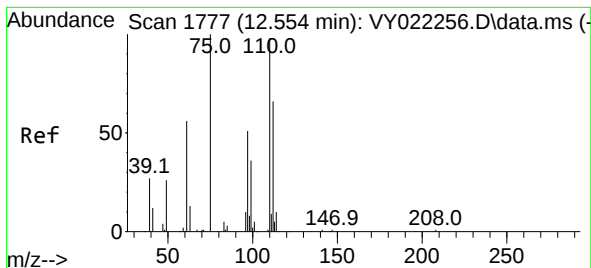
Ion Ratio Lower Upper

152 100

115 57.1 29.4 88.2

150 156.1 0.0 353.8

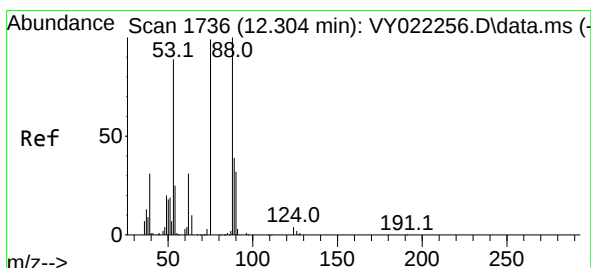
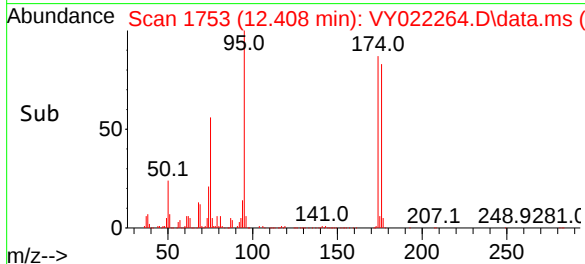
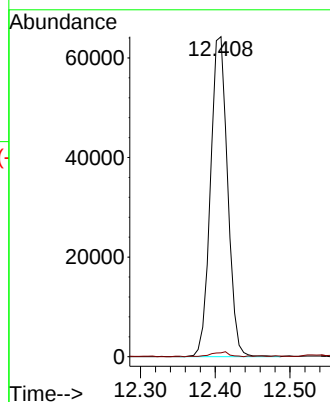
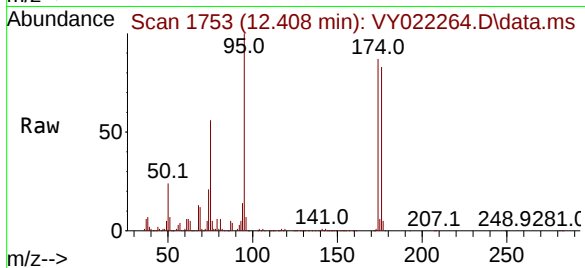




#76
1,2,3-Trichloropropane
Concen: 61.783 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-33-050725

Tgt Ion: 75 Resp: 102346
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.158 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

Tgt Ion: 75 Resp: 102346
Ion Ratio Lower Upper
75 100
53 0.2 75.8 113.8#
89 0.0 36.2 54.2#

