

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022267.D
 Acq On : 15 May 2025 16:22
 Operator : SY/MD
 Sample : Q1984-07
 Misc : 2.85g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-24-050725

Quant Time: May 16 01:57:17 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)

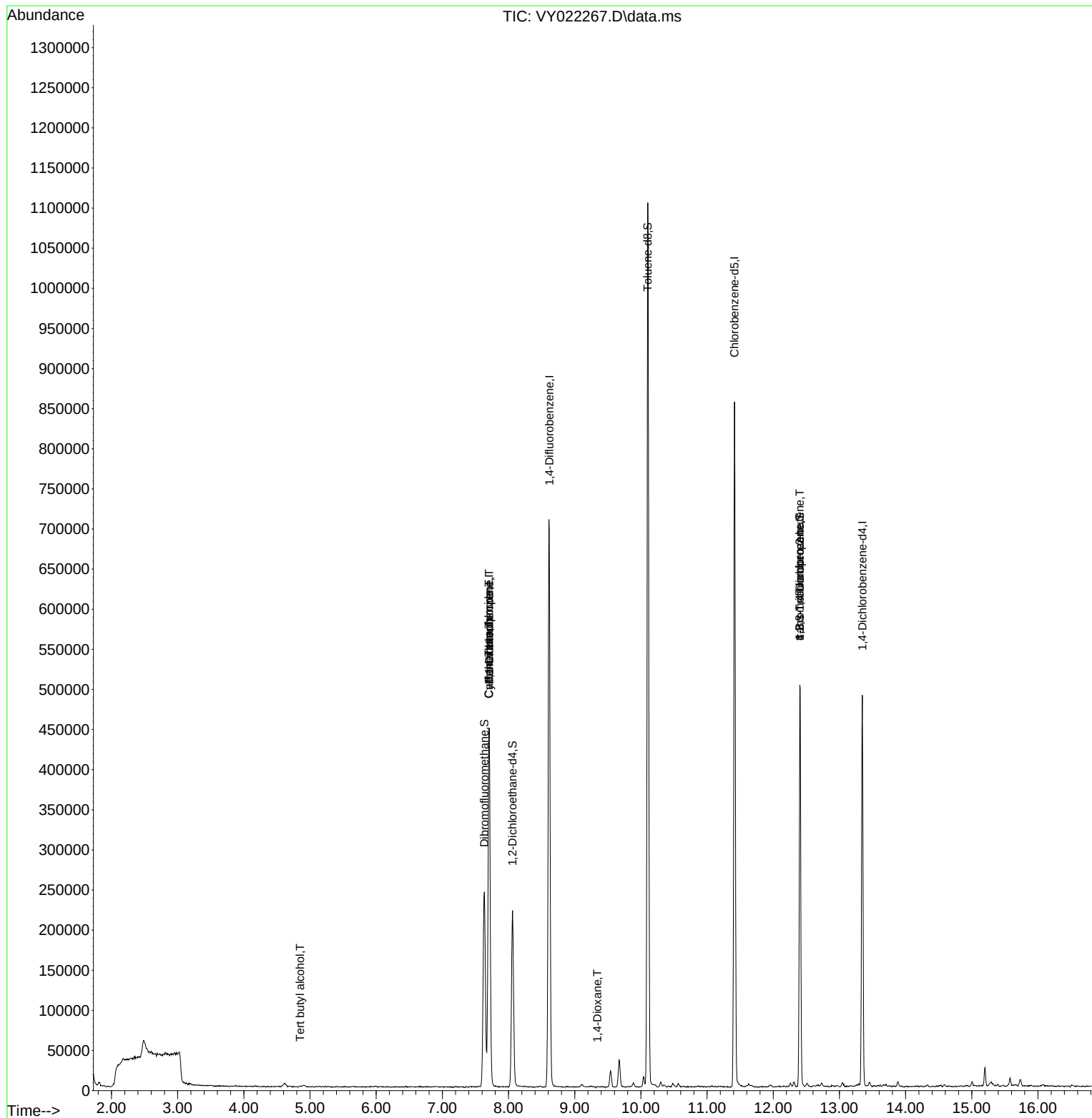
Internal Standards						
1) Pentafluorobenzene	7.707	168	338191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	583353	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	417105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	112628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	162770	44.038	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.080%		
35) Dibromofluoromethane	7.634	113	170879	49.078	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.160%		
50) Toluene-d8	10.103	98	687979	48.246	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.500%		
62) 4-Bromofluorobenzene	12.401	95	144029	31.866	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	63.740%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.848	59	372	1.318	ug/l #	100
31) Cyclohexane	7.701	56	8864	1.185	ug/l #	19
36) 1,1-Dichloropropene	7.707	75	29111	5.076	ug/l #	51
38) Carbon Tetrachloride	7.701	117	34603	5.829	ug/l #	16
49) 1,4-Dioxane	9.341	88	46	1.842	ug/l #	54
76) 1,2,3-Trichloropropane	12.401	75	82327	72.151	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	82327	146.159	ug/l #	12

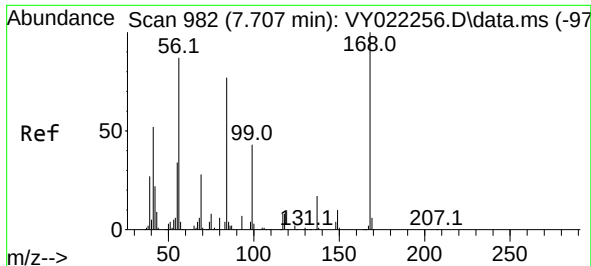
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022267.D
Acq On : 15 May 2025 16:22
Operator : SY/MD
Sample : Q1984-07
Misc : 2.85g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-24-050725

Quant Time: May 16 01:57:17 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

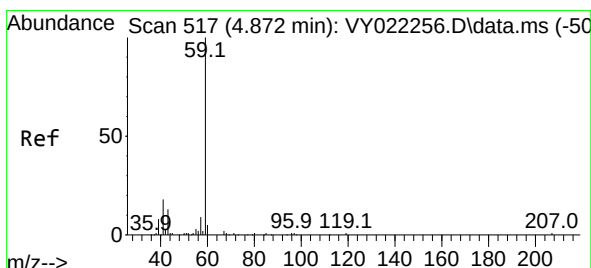
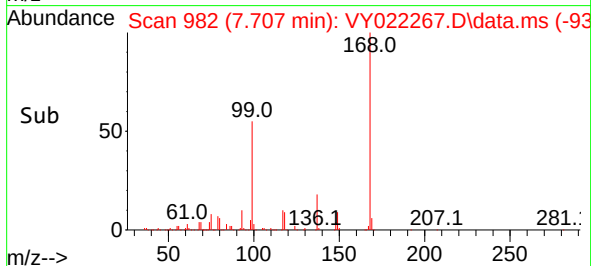
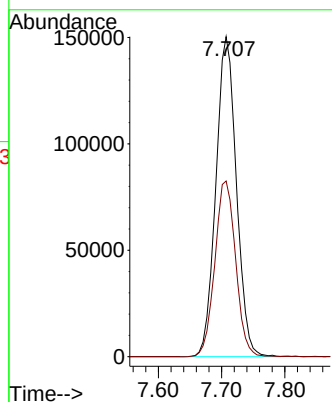
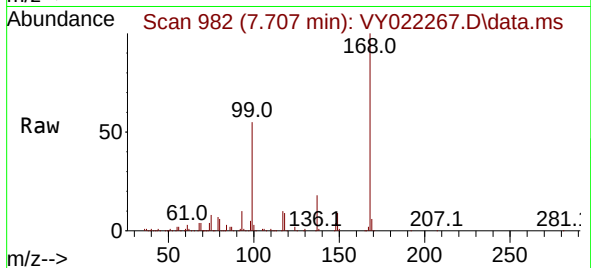




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022267.D
Acq: 15 May 2025 16:22

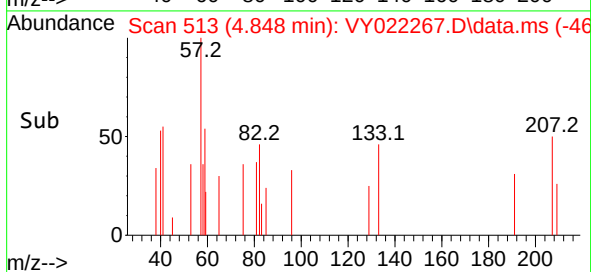
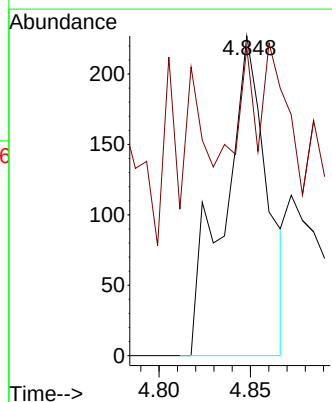
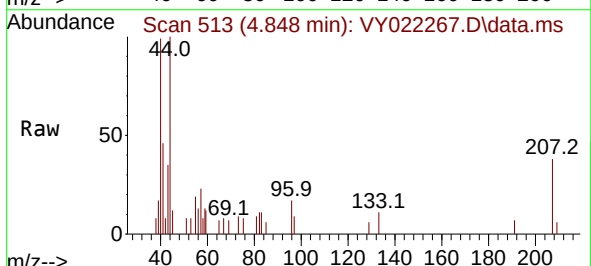
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-24-050725

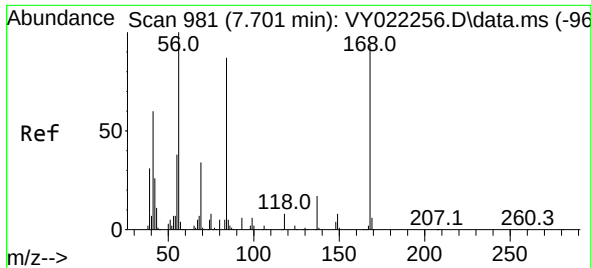
Tgt Ion:168 Resp: 338191
Ion Ratio Lower Upper
168 100
99 54.9 44.2 66.4



#11
Tert butyl alcohol
Concen: 1.318 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY022267.D
Acq: 15 May 2025 16:22

Tgt Ion: 59 Resp: 372
Ion Ratio Lower Upper
59 100
57 15.6 0.0 0.0#

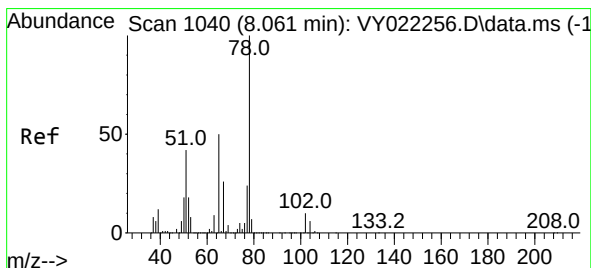
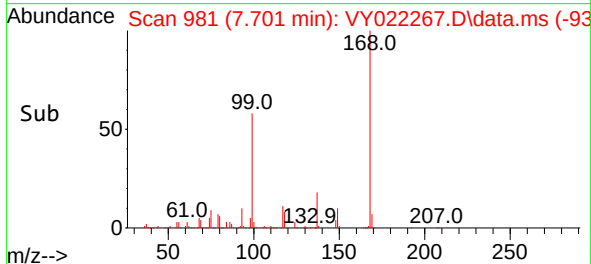
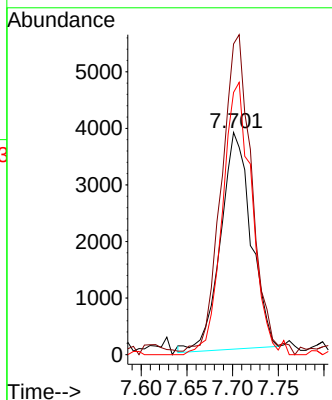
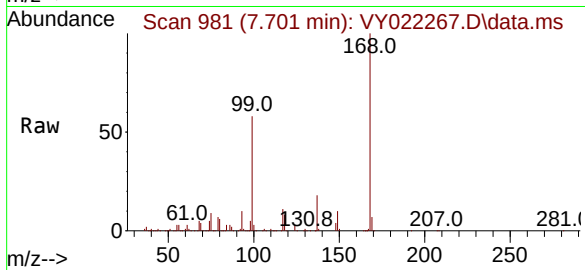




#31
Cyclohexane
Concen: 1.185 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022267.D
Acq: 15 May 2025 16:22

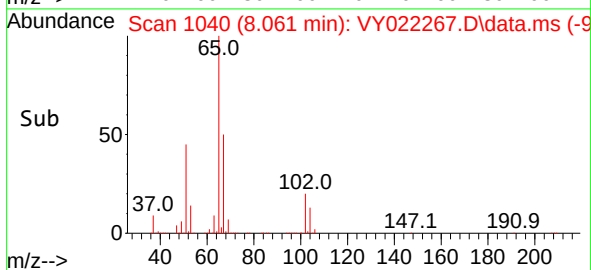
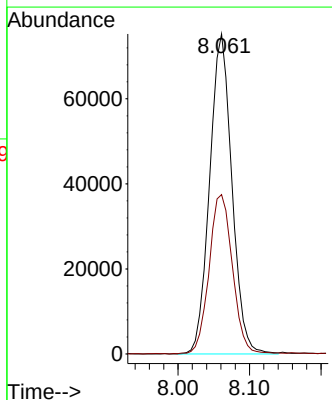
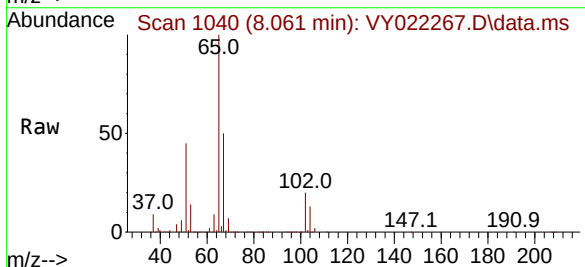
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-24-050725

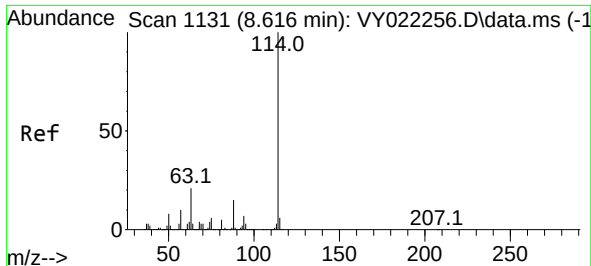
Tgt Ion: 56 Resp: 8864
Ion Ratio Lower Upper
56 100
69 143.7 27.4 41.2#
84 122.6 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 44.038 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022267.D
Acq: 15 May 2025 16:22

Tgt Ion: 65 Resp: 162770
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.6

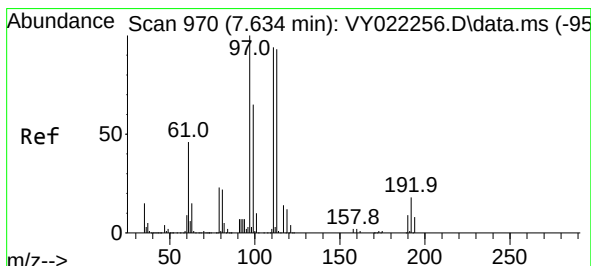
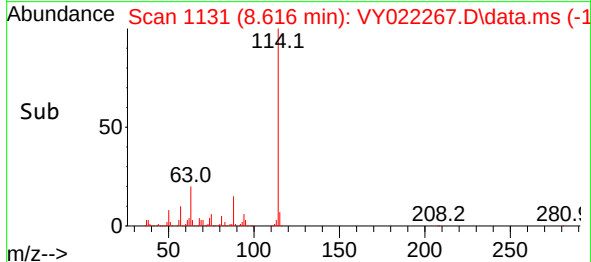
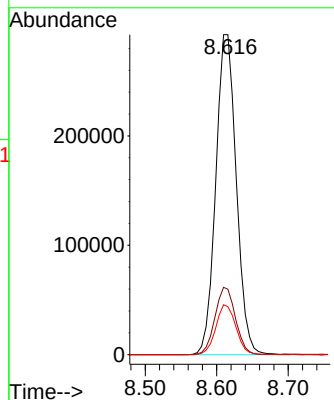
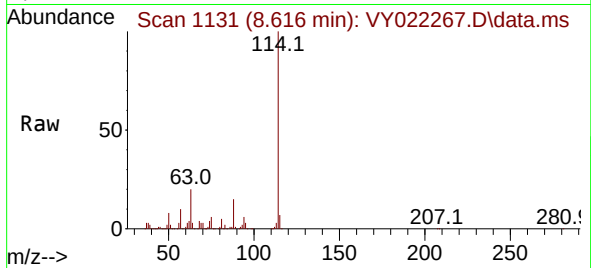




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022267.D
Acq: 15 May 2025 16:22

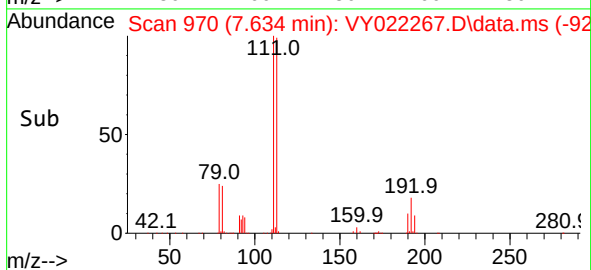
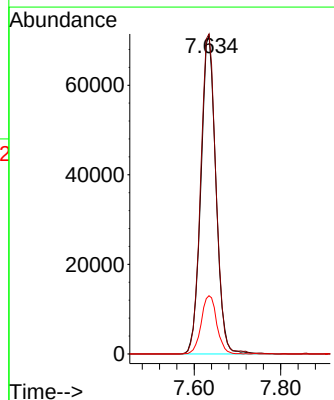
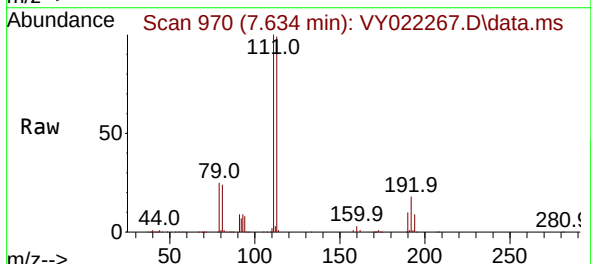
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-24-050725

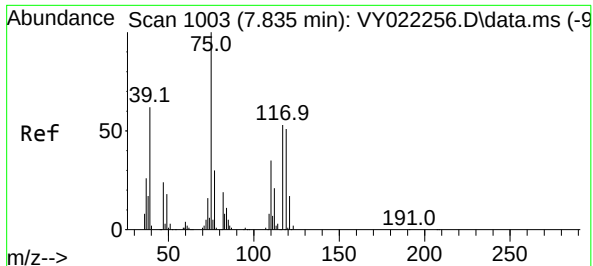
Tgt Ion:114 Resp: 583353
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.0
88 15.0 0.0 29.4



#35
Dibromofluoromethane
Concen: 49.078 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022267.D
Acq: 15 May 2025 16:22

Tgt Ion:113 Resp: 170879
Ion Ratio Lower Upper
113 100
111 102.1 82.6 123.8
192 18.9 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.076 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY022267.D

Acq: 15 May 2025 16:22

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-24-050725

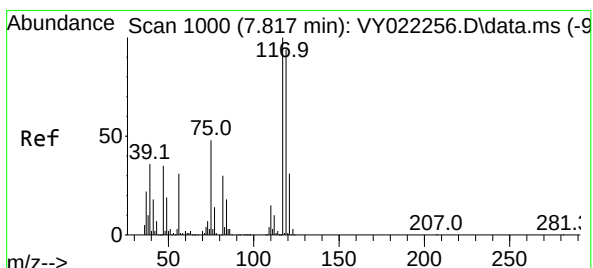
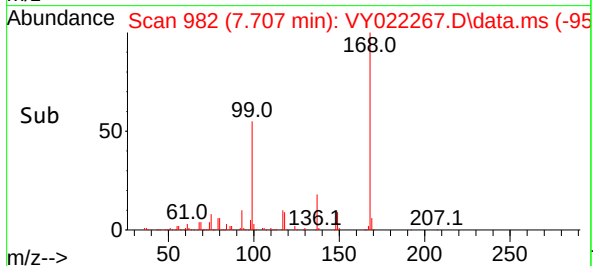
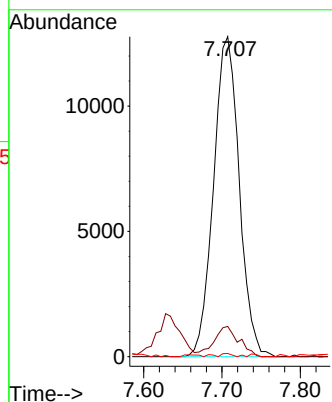
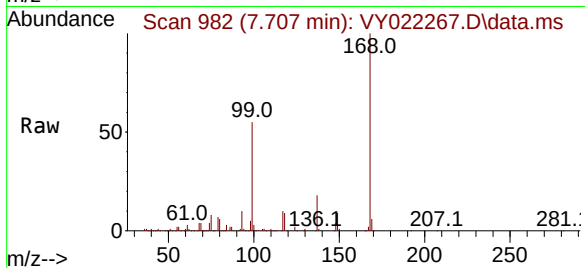
Tgt Ion: 75 Resp: 29111

Ion Ratio Lower Upper

75 100

110 9.1 16.6 49.8#

77 0.6 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.829 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY022267.D

Acq: 15 May 2025 16:22

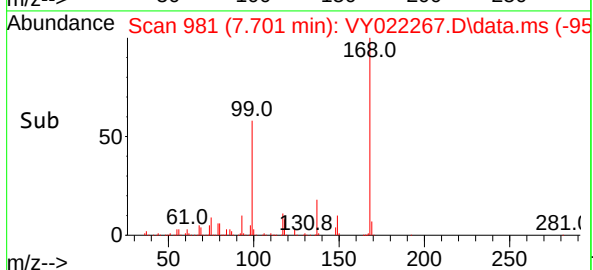
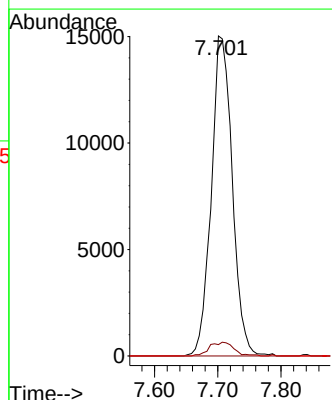
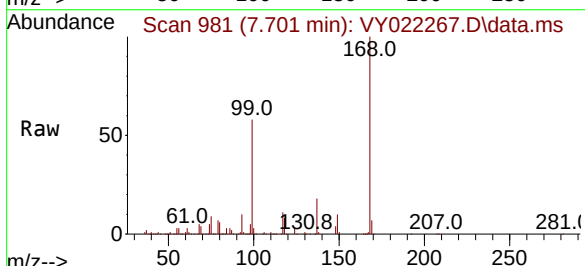
Tgt Ion: 117 Resp: 34603

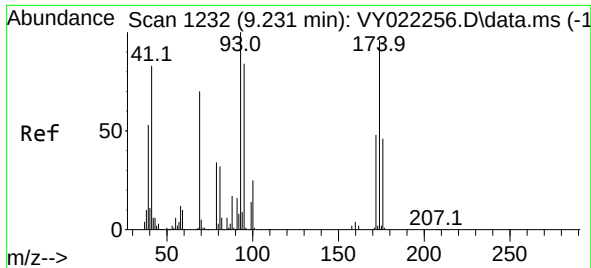
Ion Ratio Lower Upper

117 100

119 3.6 75.3 112.9#

121 0.0 24.7 37.1#

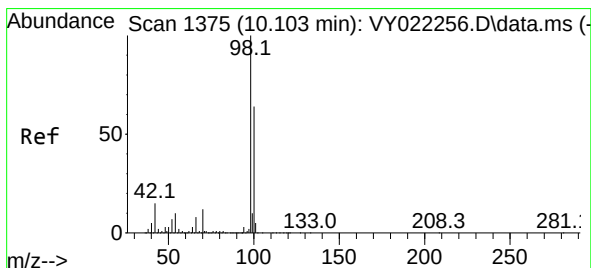
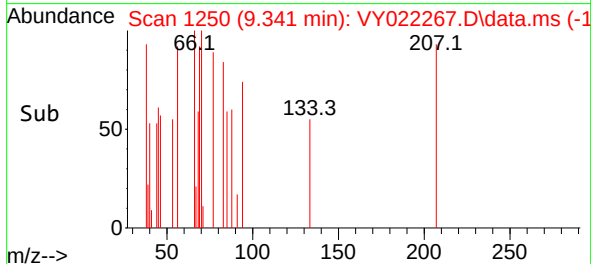
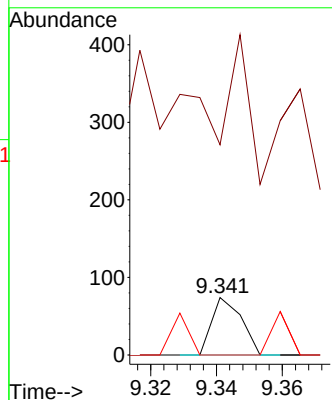
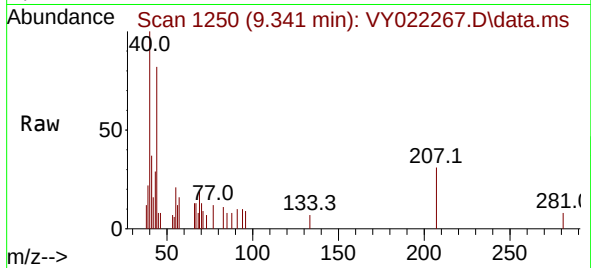




#49
1,4-Dioxane
Concen: 1.842 ug/l
RT: 9.341 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY022267.D
Acq: 15 May 2025 16:22

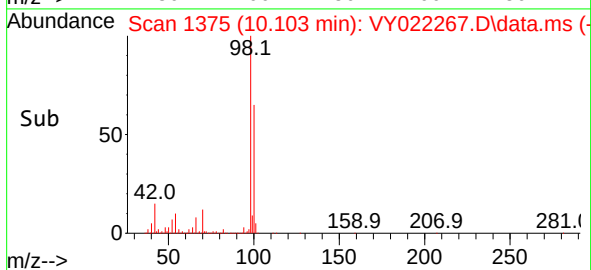
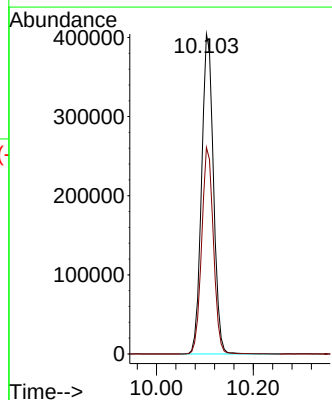
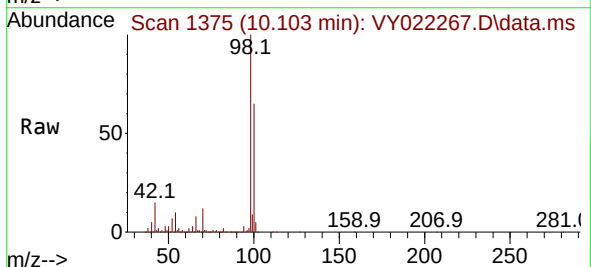
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-24-050725

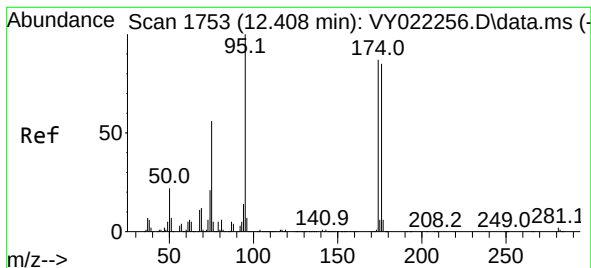
Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 0.0 28.5 42.7#
58 43.5 61.4 92.2#



#50
Toluene-d8
Concen: 48.246 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022267.D
Acq: 15 May 2025 16:22

Tgt Ion: 98 Resp: 687979
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.8

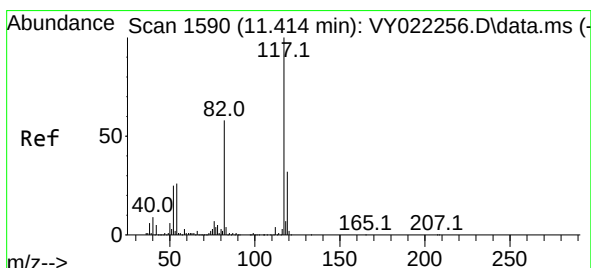
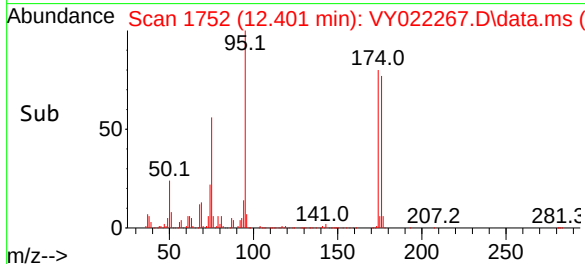
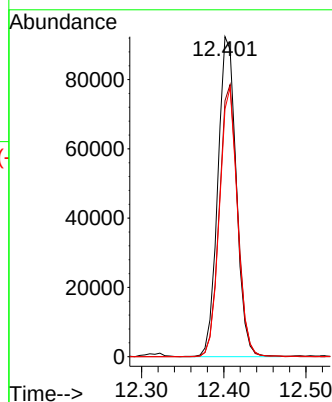
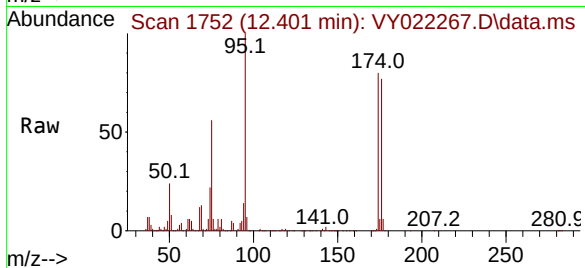




#62
4-Bromofluorobenzene
Concen: 31.866 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022267.D
Acq: 15 May 2025 16:22

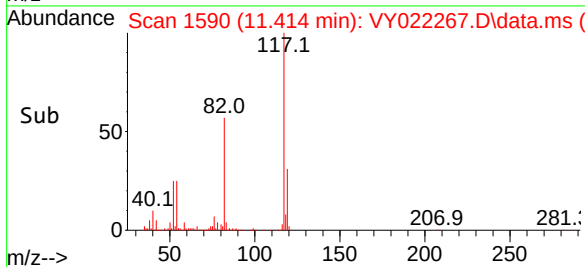
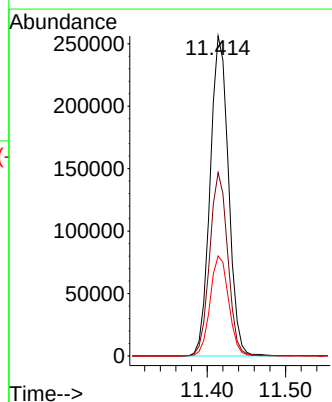
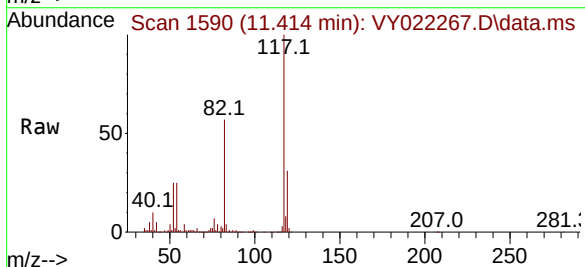
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-24-050725

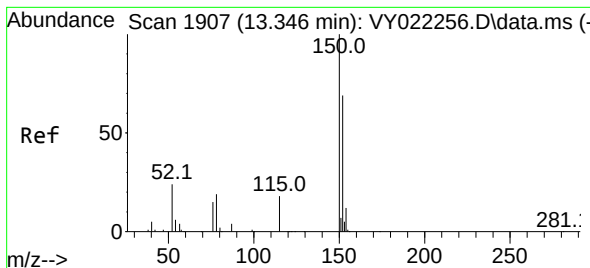
Tgt Ion: 95 Resp: 144029
Ion Ratio Lower Upper
95 100
174 84.2 0.0 166.8
176 82.2 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022267.D
Acq: 15 May 2025 16:22

Tgt Ion: 117 Resp: 417105
Ion Ratio Lower Upper
117 100
82 57.3 46.6 70.0
119 31.3 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: VY022267.D

Acq: 15 May 2025 16:22

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-24-050725

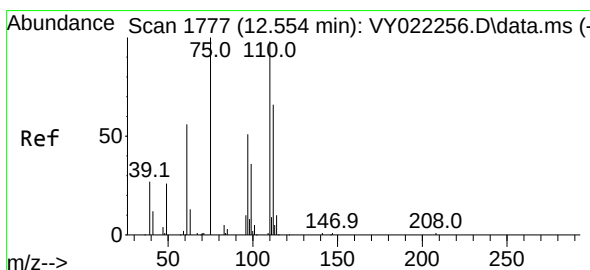
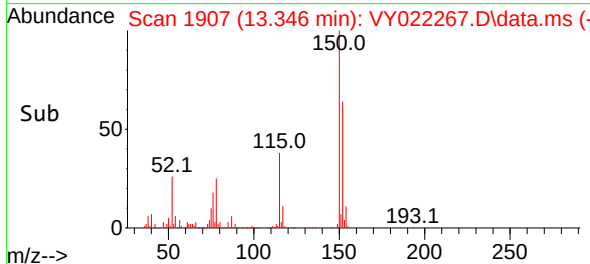
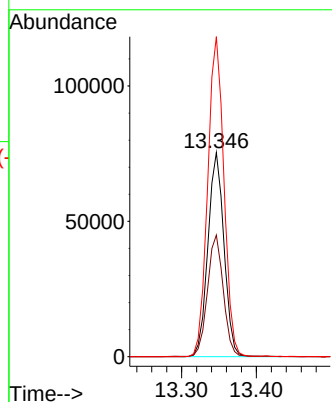
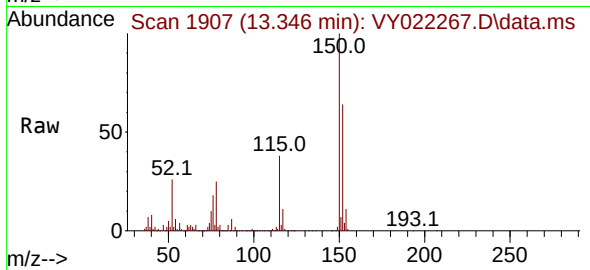
Tgt Ion:152 Resp: 112628

Ion Ratio Lower Upper

152 100

115 58.9 29.4 88.2

150 158.2 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 72.151 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022267.D

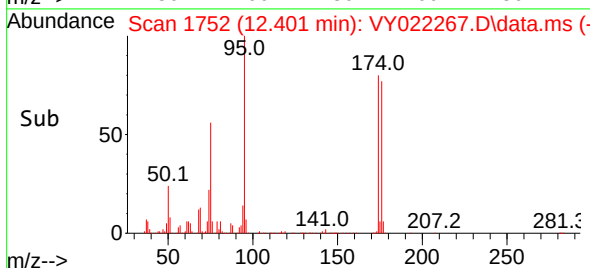
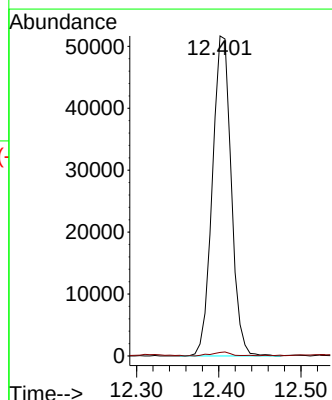
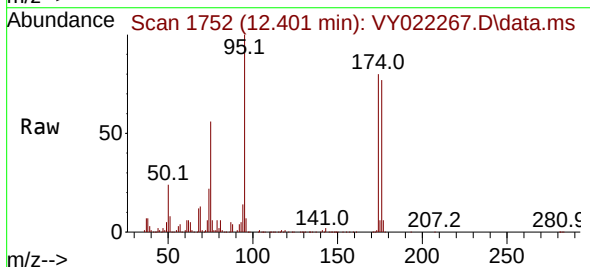
Acq: 15 May 2025 16:22

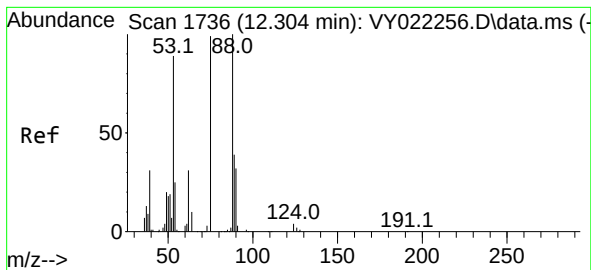
Tgt Ion: 75 Resp: 82327

Ion Ratio Lower Upper

75 100

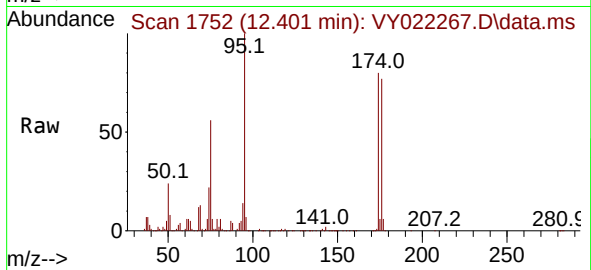
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.159 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022267.D
 Acq: 15 May 2025 16:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-24-050725



Tgt Ion: 75 Resp: 82327
 Ion Ratio Lower Upper
 75 100
 53 0.2 75.8 113.8#
 89 0.0 36.2 54.2#

