

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022278.D
 Acq On : 16 May 2025 09:37
 Operator : SY/MD
 Sample : VY0516SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0516SBL01

Quant Time: May 17 01:27:50 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)

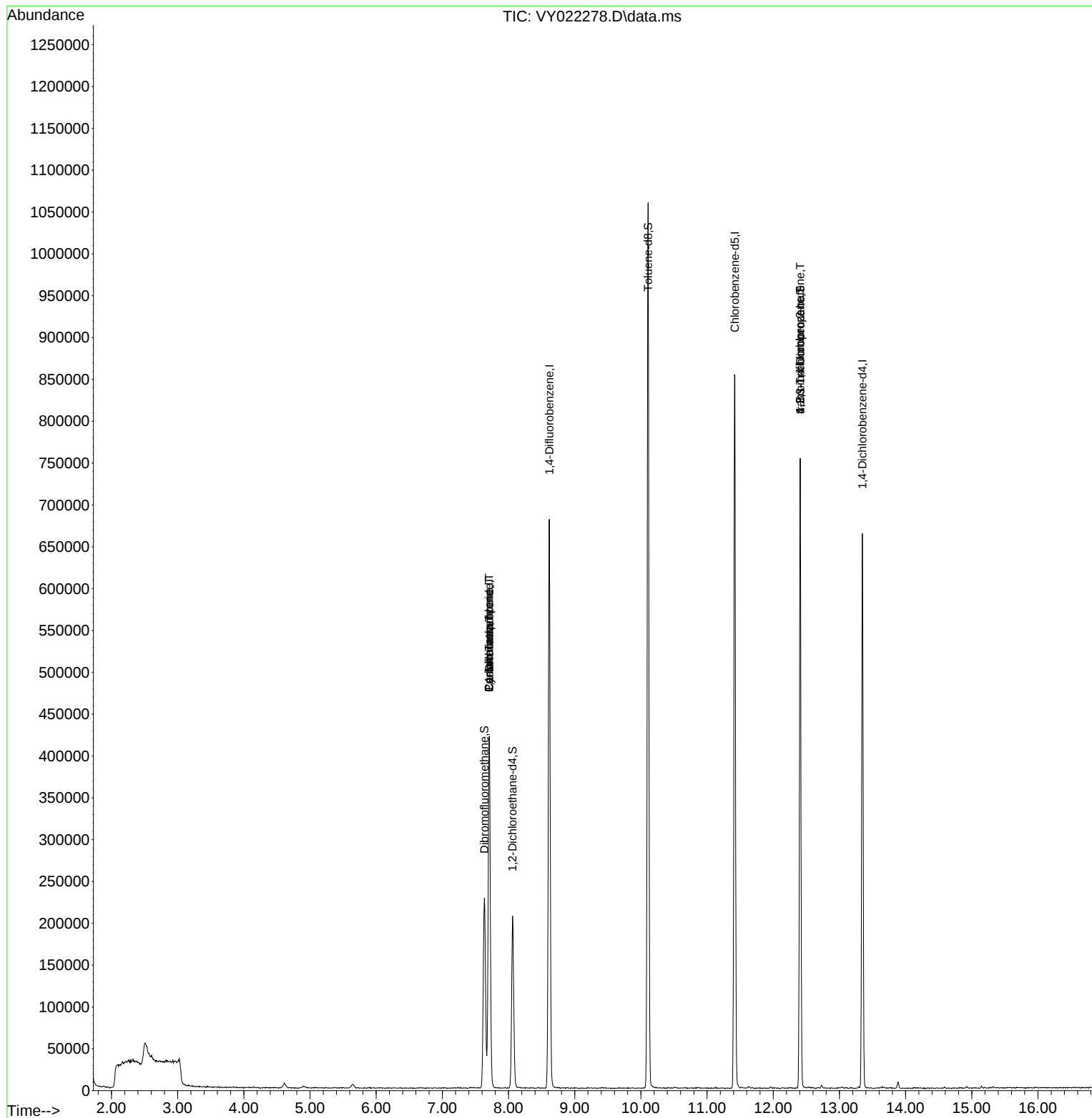
Internal Standards						
1) Pentafluorobenzene	7.707	168	314347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	555500	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	426459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	151389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150831	43.903	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.800%
35) Dibromofluoromethane	7.634	113	158963	47.945	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.880%
50) Toluene-d8	10.109	98	662270	48.771	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.540%
62) 4-Bromofluorobenzene	12.408	95	208685	48.485	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.980%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.707	56	8784	1.264	ug/l #	13
36) 1,1-Dichloropropene	7.707	75	27731	5.078	ug/l #	50
38) Carbon Tetrachloride	7.707	117	31570	5.585	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	119395	77.846	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	119395	157.697	ug/l #	12

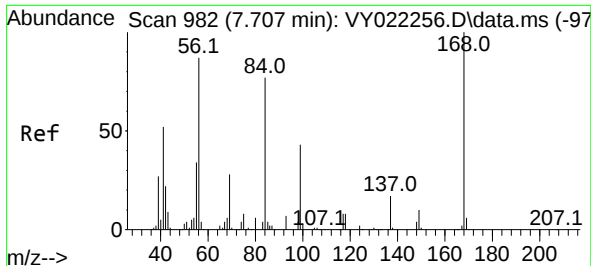
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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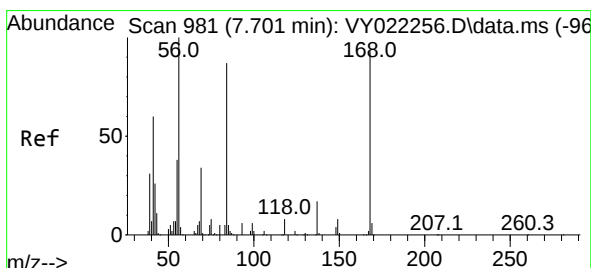
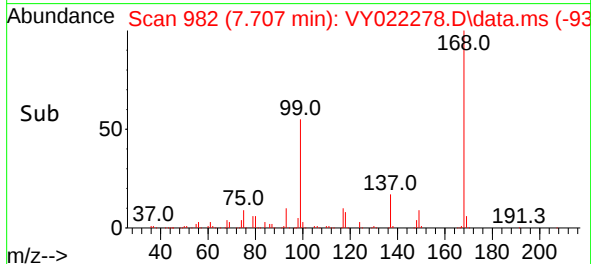
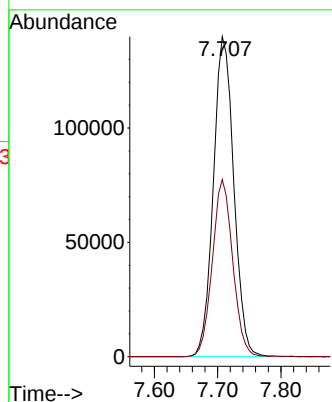
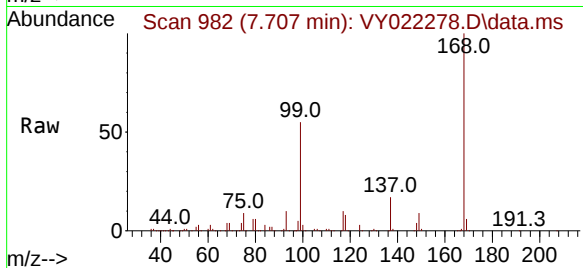




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

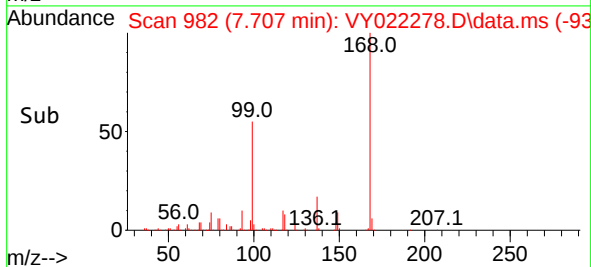
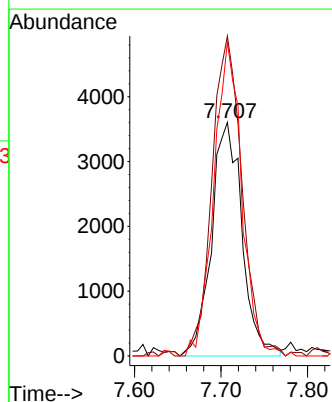
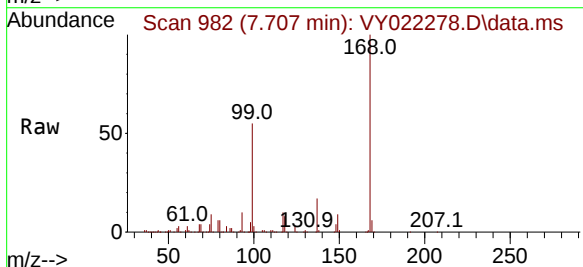
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

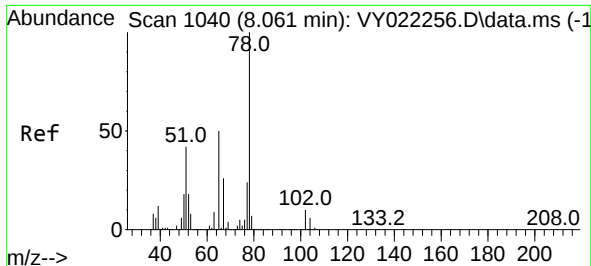
Tgt Ion:168 Resp: 314347
Ion Ratio Lower Upper
168 100
99 55.4 44.2 66.4



#31
Cyclohexane
Concen: 1.264 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Tgt Ion: 56 Resp: 8784
Ion Ratio Lower Upper
56 100
69 137.0 27.4 41.2#
84 134.4 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 43.903 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY022278.D

Acq: 16 May 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

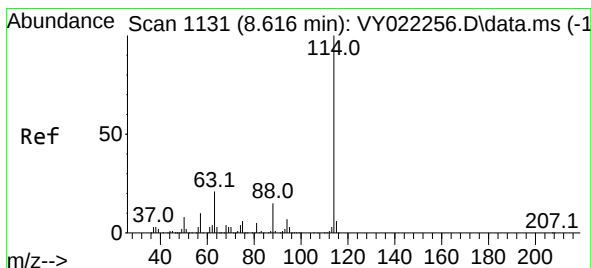
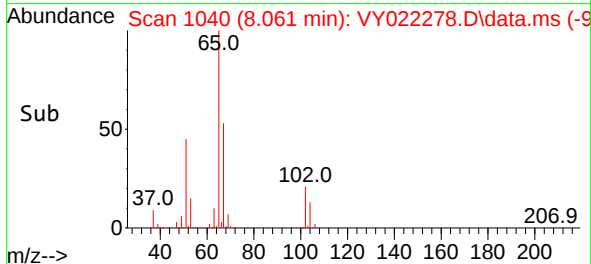
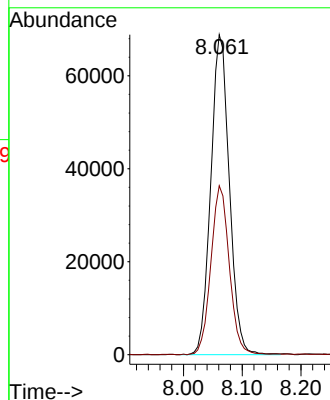
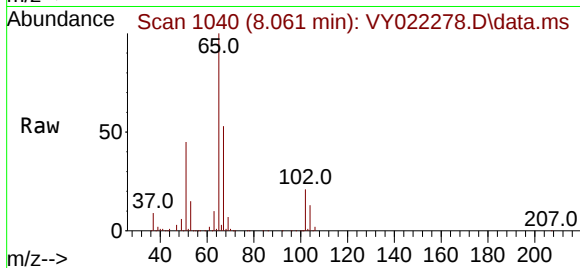
VY0516SBL01

Tgt Ion: 65 Resp: 150831

Ion Ratio Lower Upper

65 100

67 52.5 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: VY022278.D

Acq: 16 May 2025 09:37

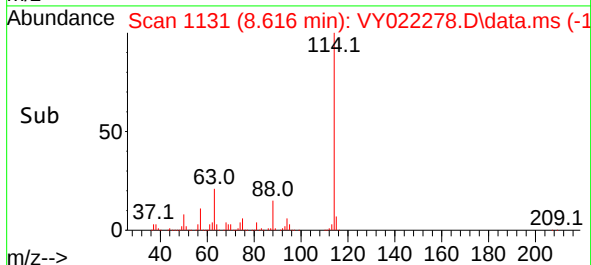
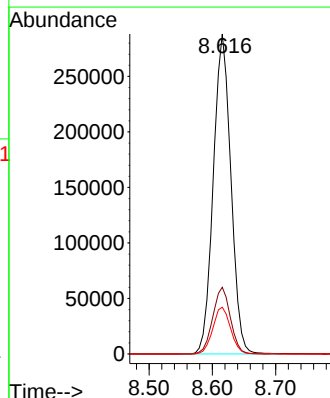
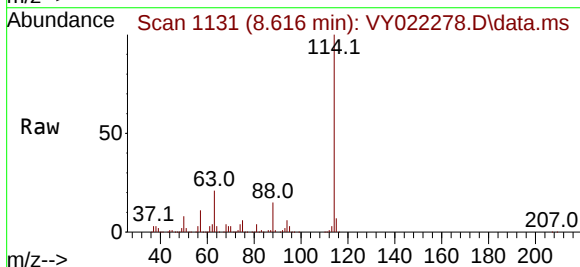
Tgt Ion: 114 Resp: 555500

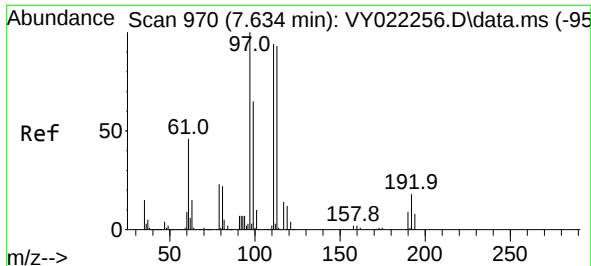
Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.0

88 14.6 0.0 29.4

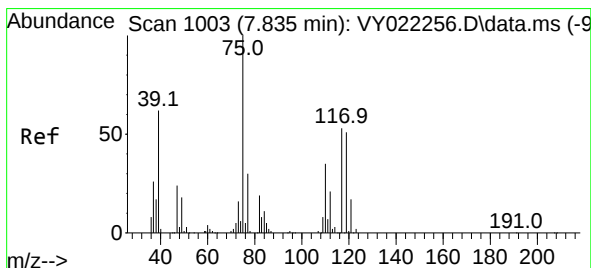
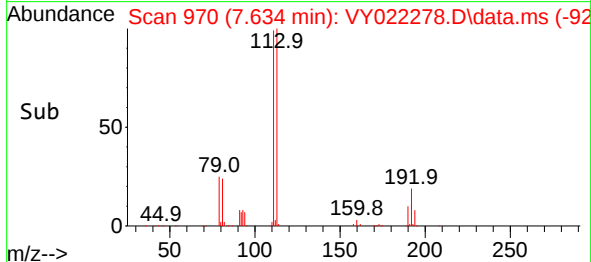
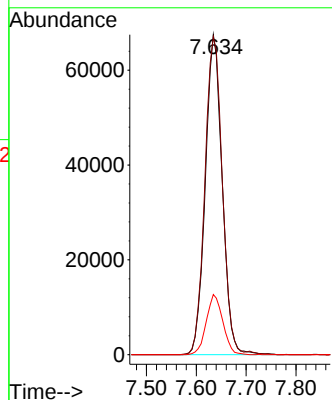
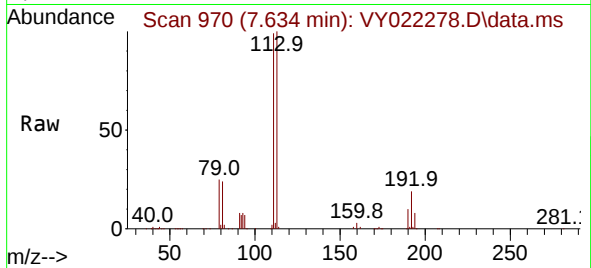




#35
Dibromofluoromethane
Concen: 47.945 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

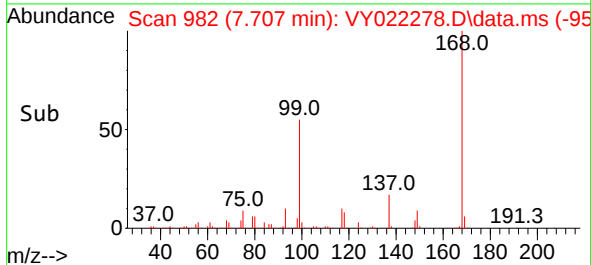
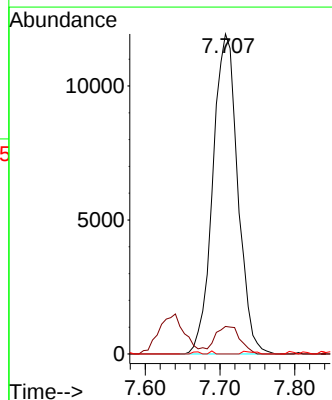
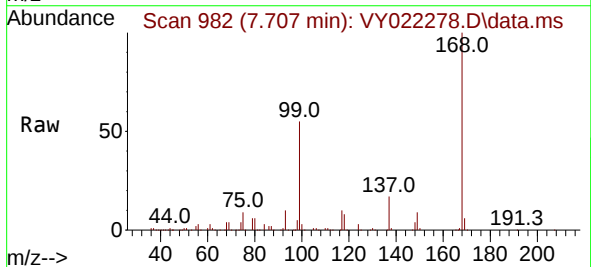
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

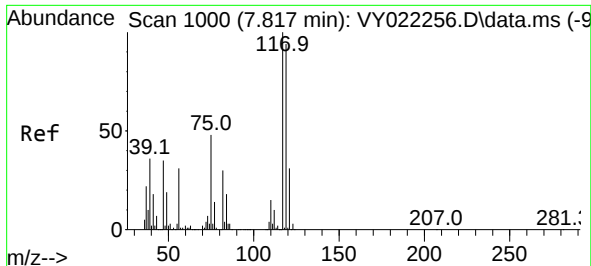
Tgt Ion:113 Resp: 158963
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 18.4 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.078 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Tgt Ion: 75 Resp: 27731
Ion Ratio Lower Upper
75 100
110 8.4 16.6 49.8#
77 0.2 24.6 37.0#

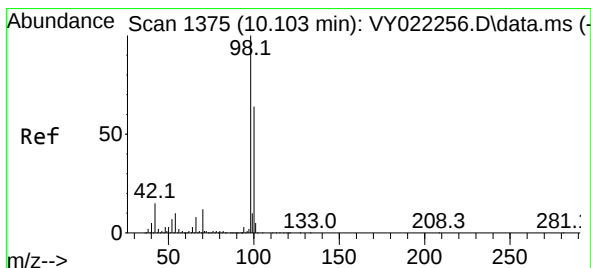
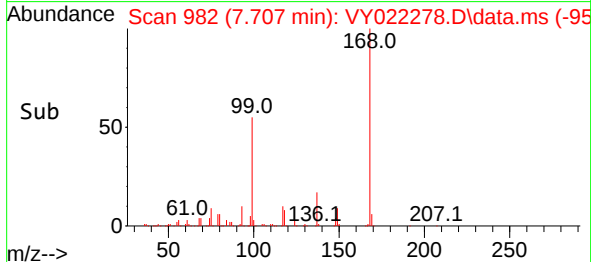
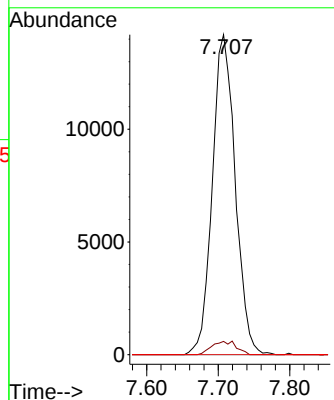
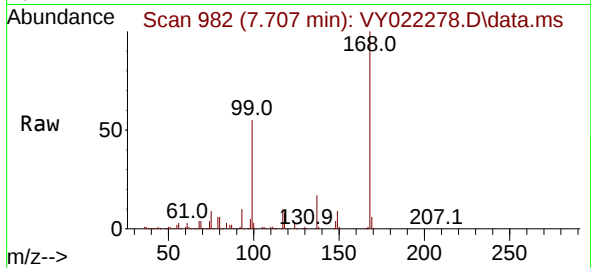




#38
Carbon Tetrachloride
Concen: 5.585 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

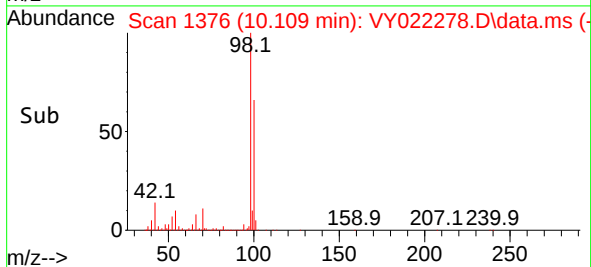
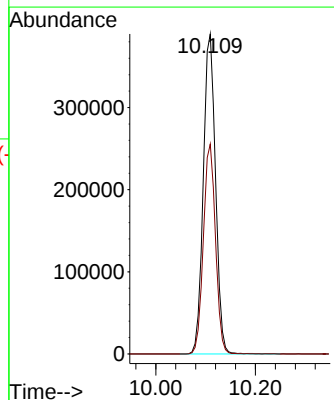
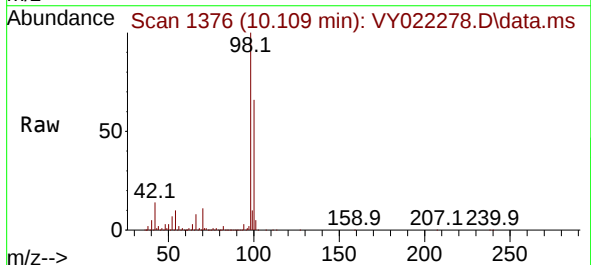
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

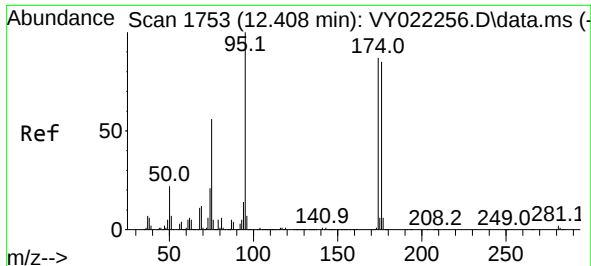
Tgt Ion:117 Resp: 31570
Ion Ratio Lower Upper
117 100
119 4.1 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.771 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Tgt Ion: 98 Resp: 662270
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.8

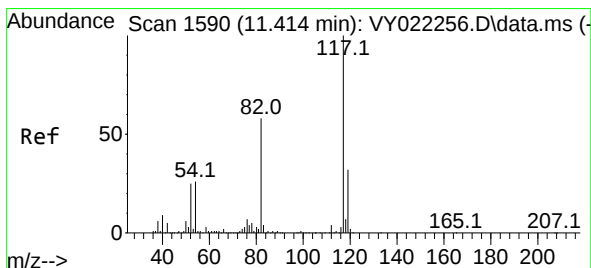
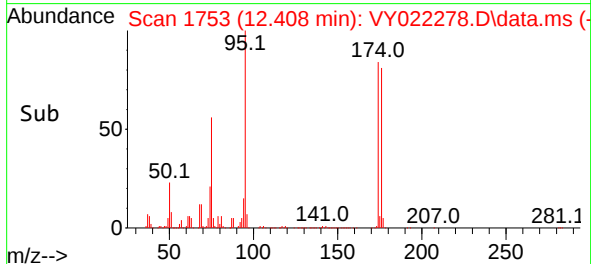
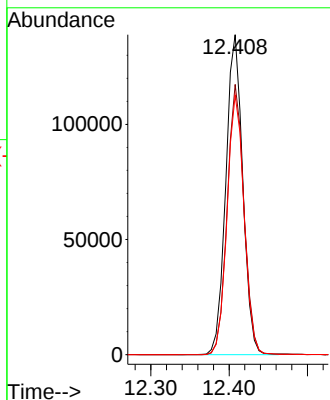
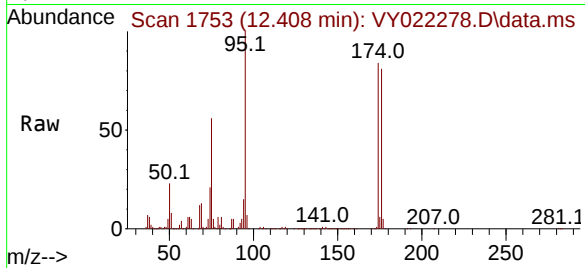




#62
4-Bromofluorobenzene
Concen: 48.485 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

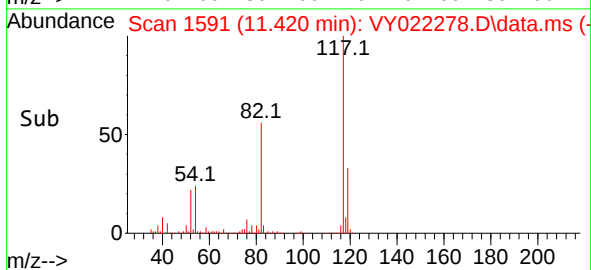
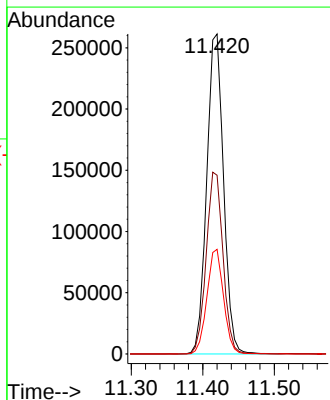
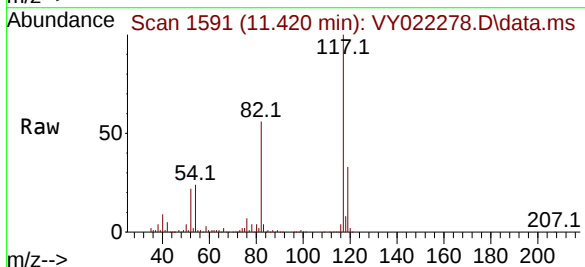
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

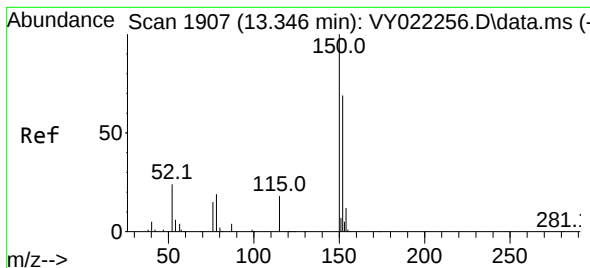
Tgt Ion: 95 Resp: 208685
Ion Ratio Lower Upper
95 100
174 83.9 0.0 166.8
176 81.7 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Tgt Ion: 117 Resp: 426459
Ion Ratio Lower Upper
117 100
82 55.8 46.6 70.0
119 32.7 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: VY022278.D

Acq: 16 May 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBL01

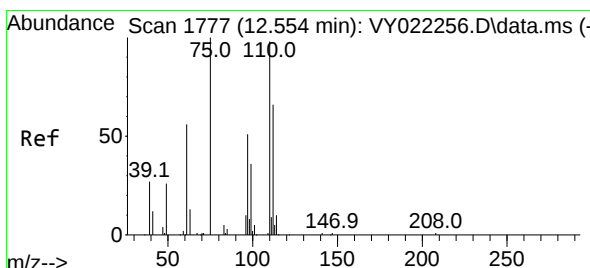
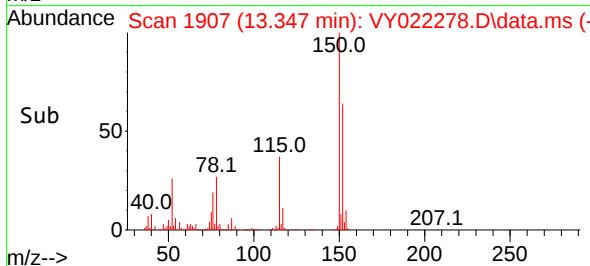
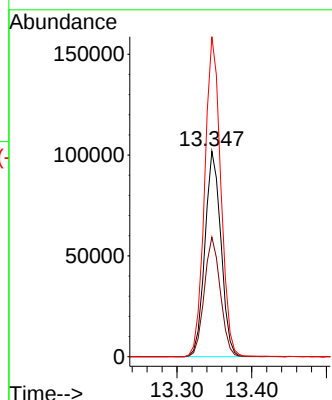
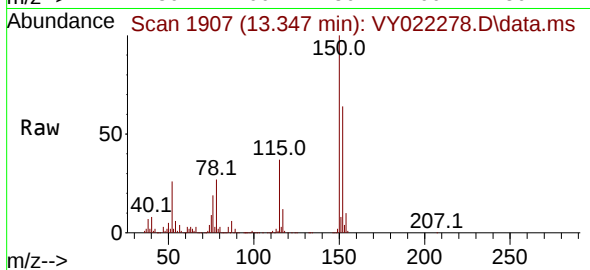
Tgt Ion:152 Resp: 151389

Ion Ratio Lower Upper

152 100

115 58.4 29.4 88.2

150 156.5 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 77.846 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022278.D

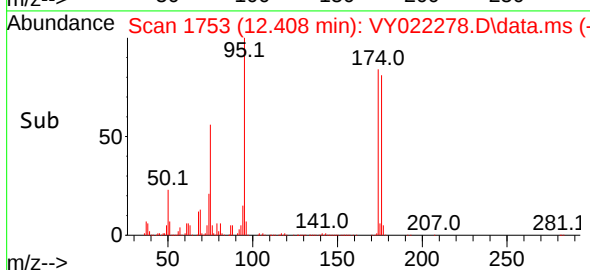
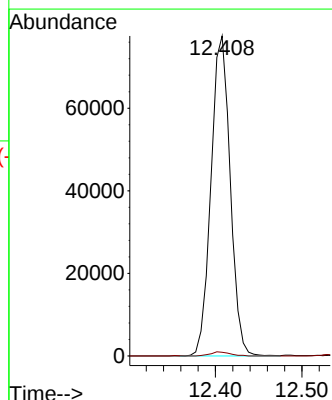
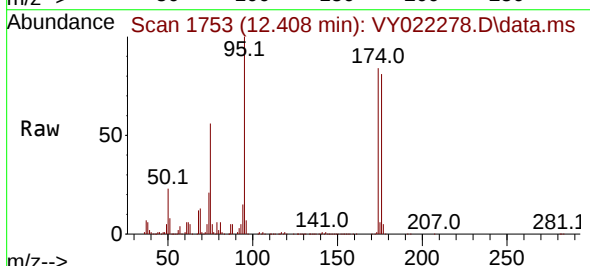
Acq: 16 May 2025 09:37

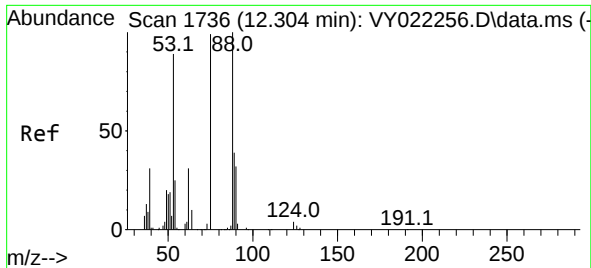
Tgt Ion: 75 Resp: 119395

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 157.697 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022278.D
 Acq: 16 May 2025 09:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0516SBL01

Tgt Ion: 75 Resp: 119395
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.8 113.8#
 89 0.1 36.2 54.2#

