

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022146.D
 Acq On : 05 May 2025 09:24
 Operator : SY/MD
 Sample : VY0505SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBL01

Quant Time: May 06 05:19:11 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	7.713	168	329285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	599236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	511500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	191516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151518	49.816	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.640%
35) Dibromofluoromethane	7.634	113	198164	50.056	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.120%
50) Toluene-d8	10.109	98	694430	46.528	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.060%
62) 4-Bromofluorobenzene	12.408	95	277751	55.281	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.560%
Target Compounds						
16) Acetone	3.885	43	635	Below Cal	#	41
31) Cyclohexane	7.707	56	6251	1.243	ug/l #	23
36) 1,1-Dichloropropene	7.713	75	24467	4.601	ug/l #	48
38) Carbon Tetrachloride	7.713	117	31978	5.032	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	136727	83.348	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	136727	200.715	ug/l #	16

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

Quant Time: May 06 05:19:11 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

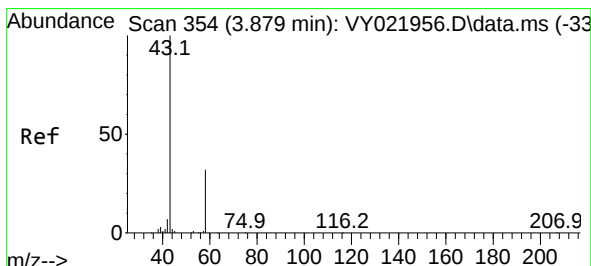
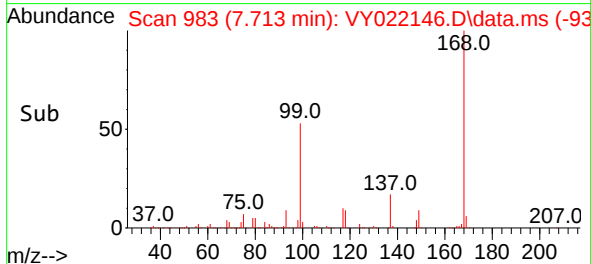
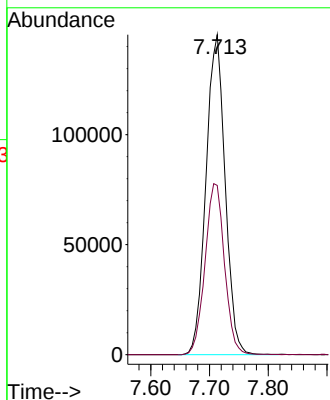
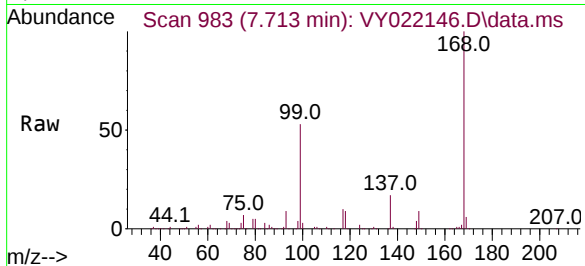




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

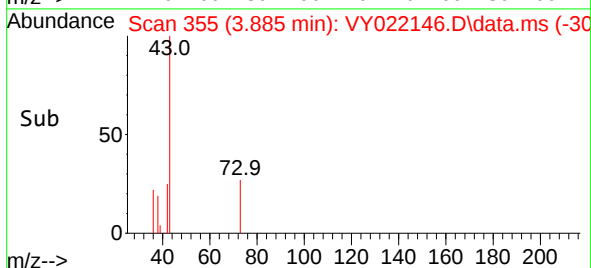
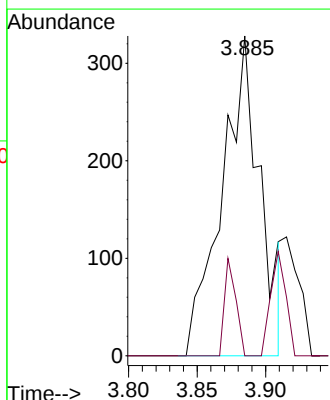
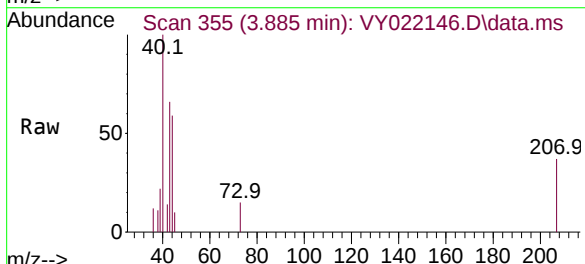
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

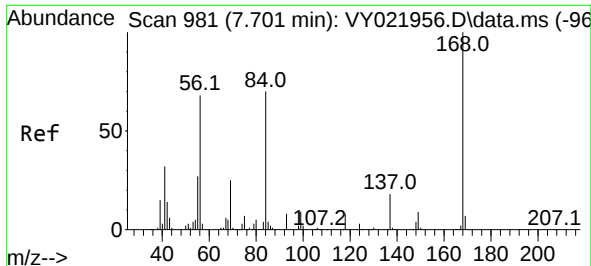
Tgt Ion:168 Resp: 329285
Ion Ratio Lower Upper
168 100
99 52.9 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

Tgt Ion: 43 Resp: 635
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

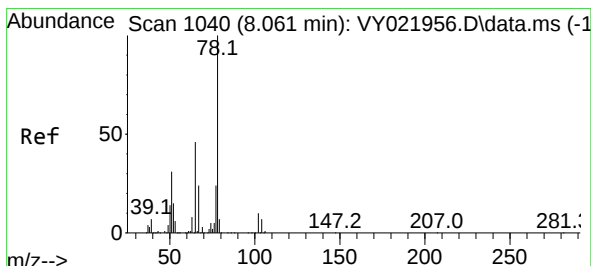
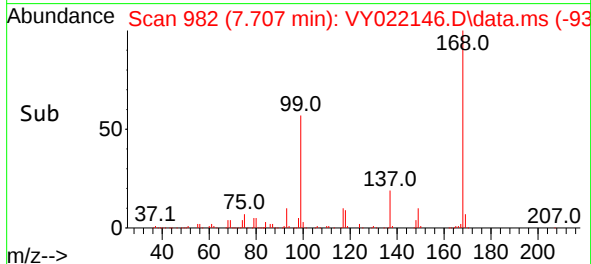
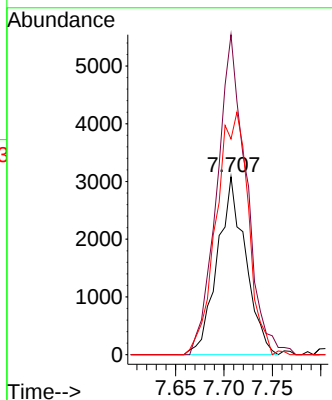
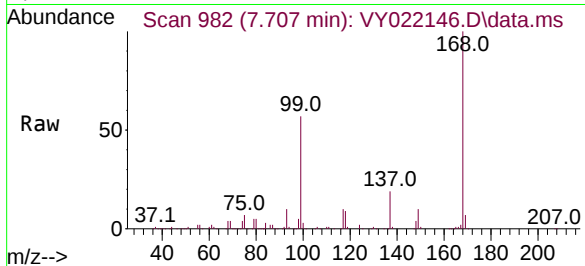




#31
Cyclohexane
Concen: 1.243 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

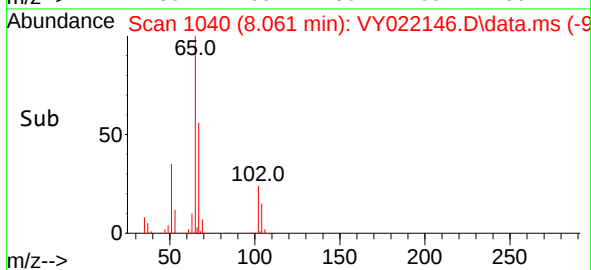
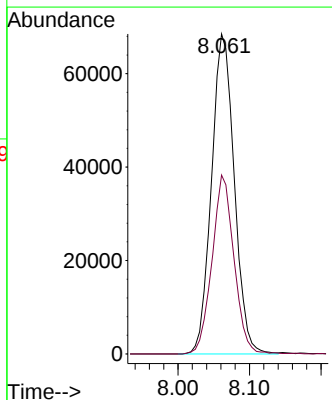
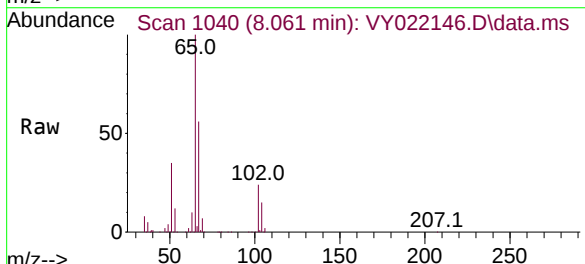
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

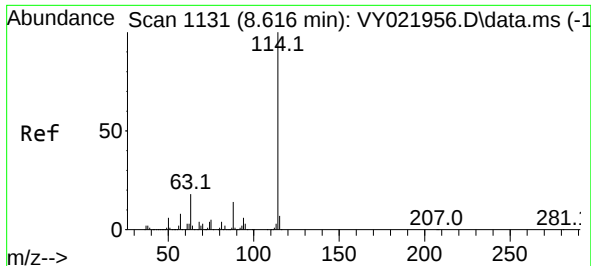
Tgt Ion: 56 Resp: 6251
Ion Ratio Lower Upper
56 100
69 179.9 29.4 44.2#
84 121.2 82.2 123.4



#33
1,2-Dichloroethane-d4
Concen: 49.816 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

Tgt Ion: 65 Resp: 151518
Ion Ratio Lower Upper
65 100
67 53.9 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: VY022146.D

Acq: 05 May 2025 09:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBL01

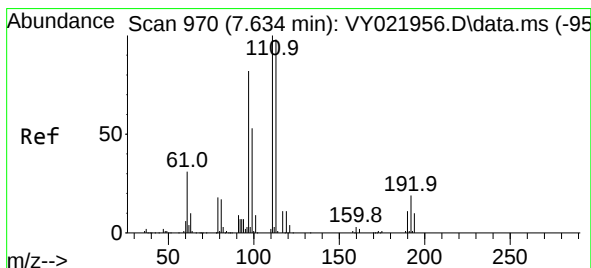
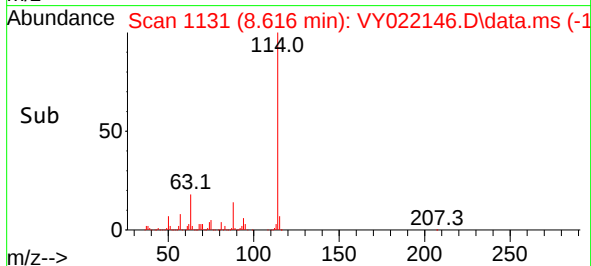
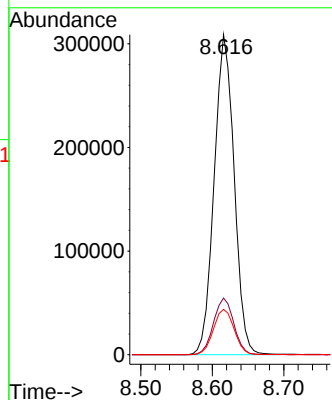
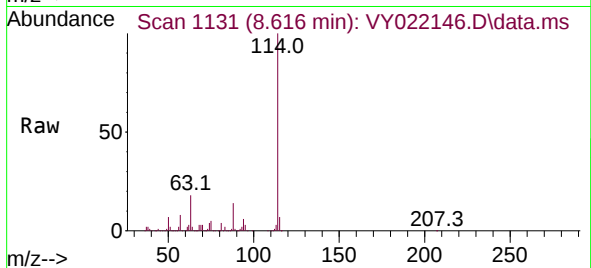
Tgt Ion:114 Resp: 599236

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.4

88 14.1 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.056 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022146.D

Acq: 05 May 2025 09:24

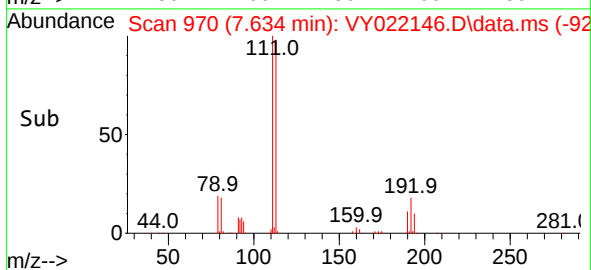
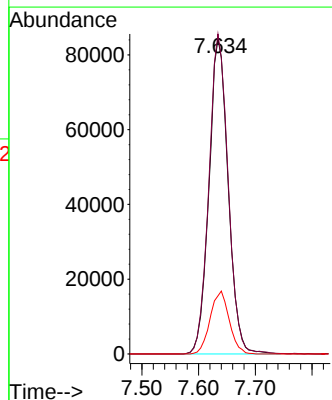
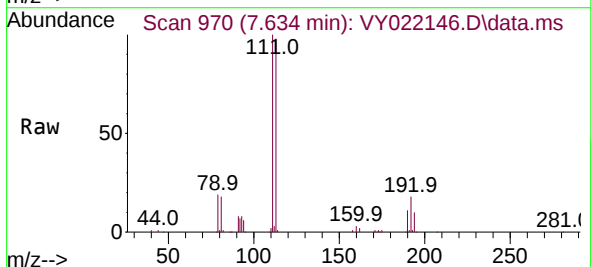
Tgt Ion:113 Resp: 198164

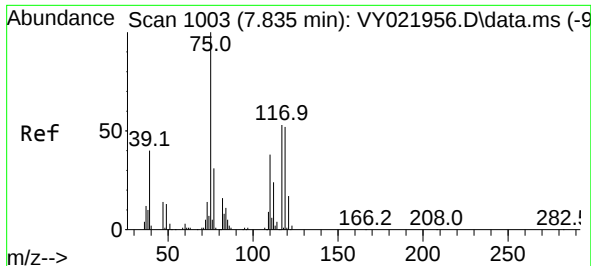
Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.8

192 19.8 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.601 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY022146.D

Acq: 05 May 2025 09:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBL01

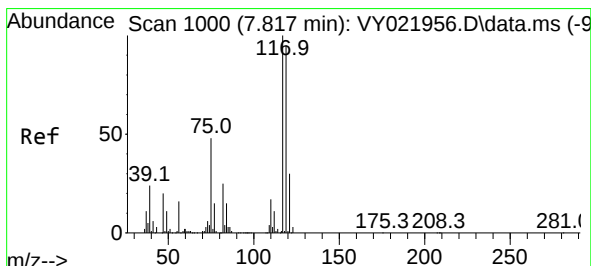
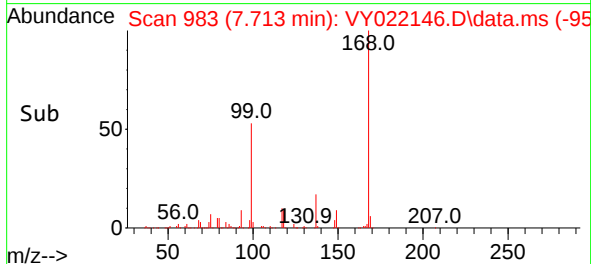
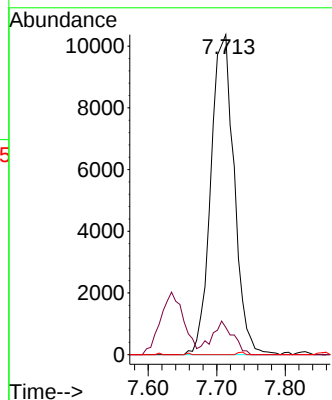
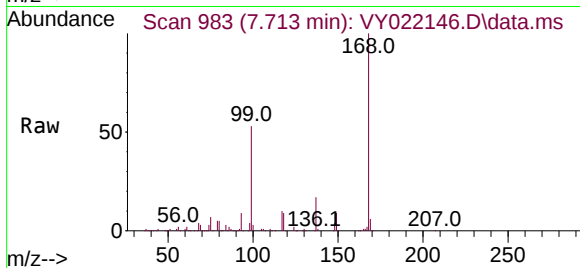
Tgt Ion: 75 Resp: 24467

Ion Ratio Lower Upper

75 100

110 9.3 19.1 57.3#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 5.032 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY022146.D

Acq: 05 May 2025 09:24

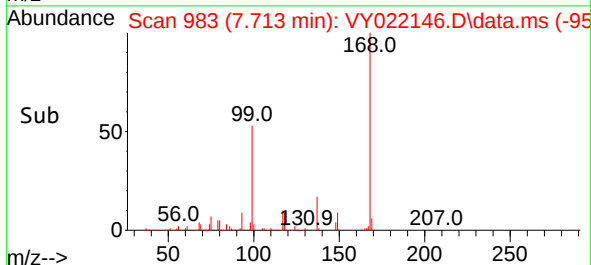
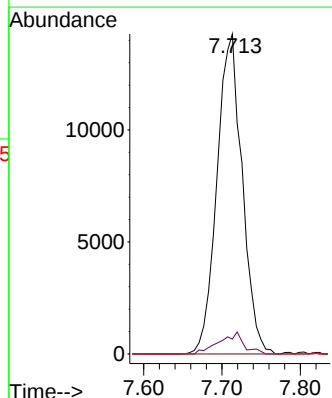
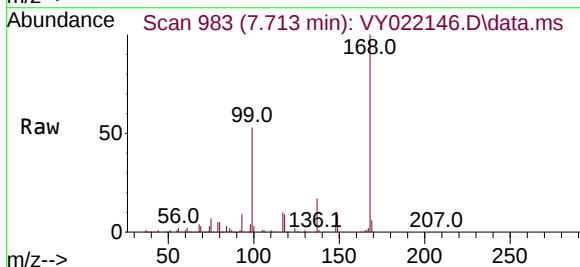
Tgt Ion: 117 Resp: 31978

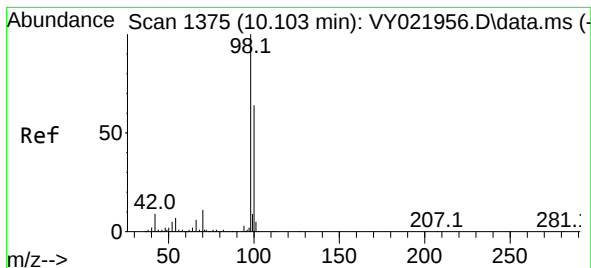
Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.4#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 46.528 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022146.D

Acq: 05 May 2025 09:24

Instrument :

MSVOA_Y

ClientSampleId :

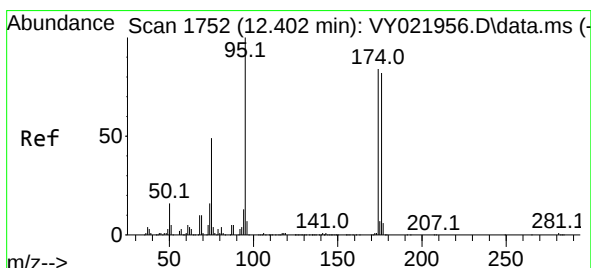
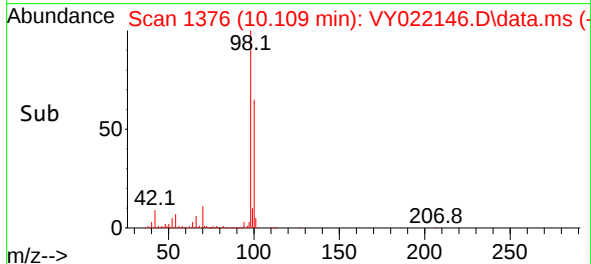
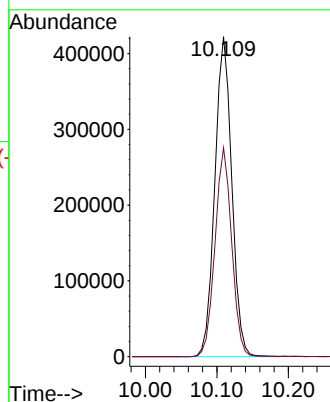
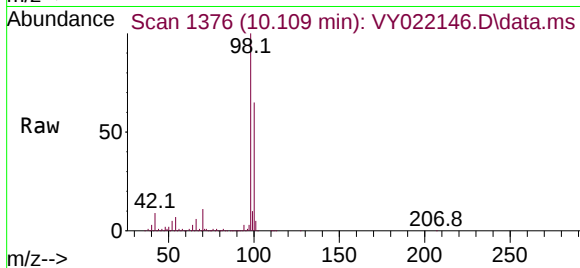
VY0505SBL01

Tgt Ion: 98 Resp: 694430

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 55.281 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY022146.D

Acq: 05 May 2025 09:24

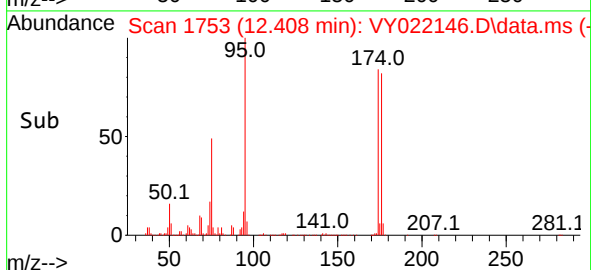
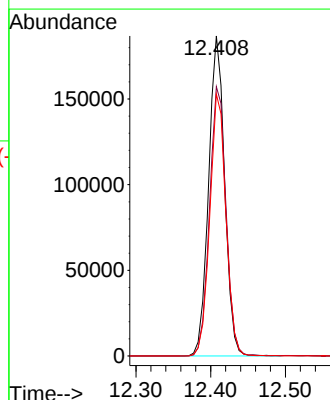
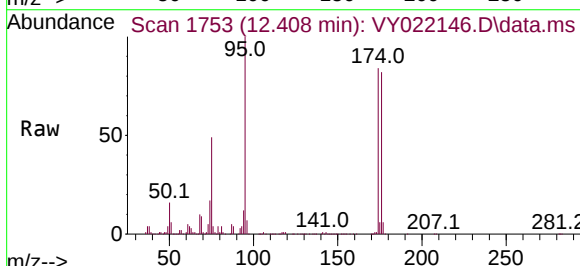
Tgt Ion: 95 Resp: 277751

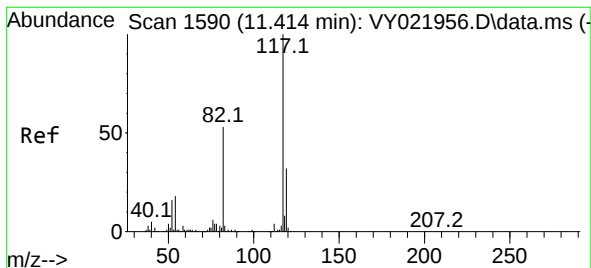
Ion Ratio Lower Upper

95 100

174 86.8 0.0 179.0

176 82.4 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022146.D

Acq: 05 May 2025 09:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBL01

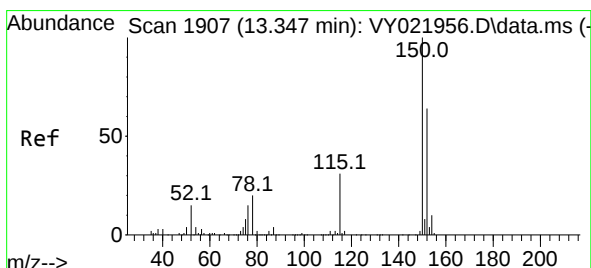
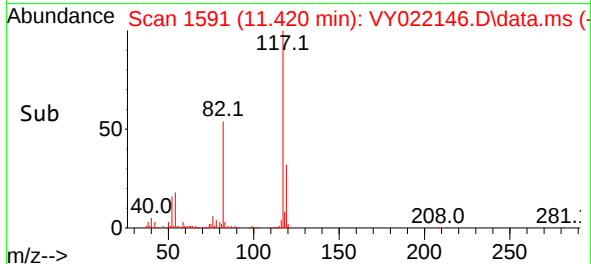
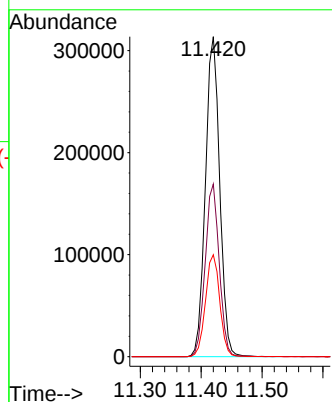
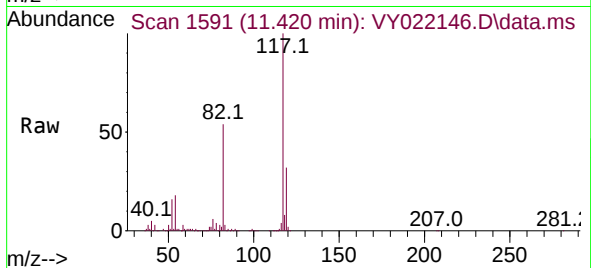
Tgt Ion:117 Resp: 511500

Ion Ratio Lower Upper

117 100

82 53.9 42.1 63.1

119 31.8 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022146.D

Acq: 05 May 2025 09:24

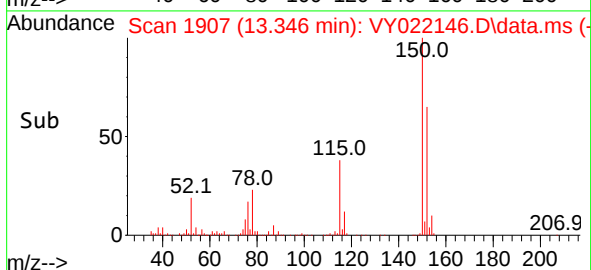
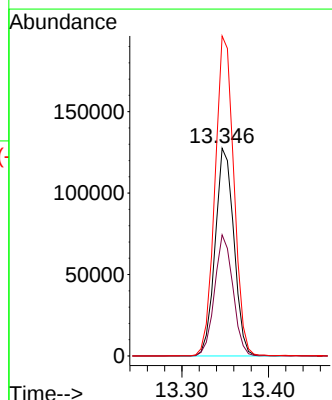
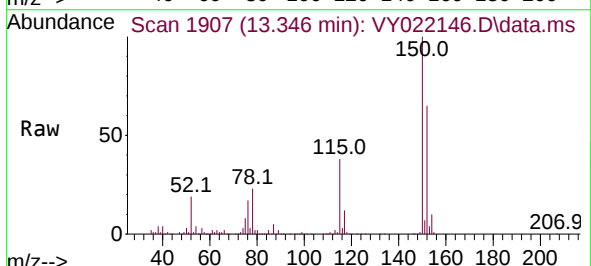
Tgt Ion:152 Resp: 191516

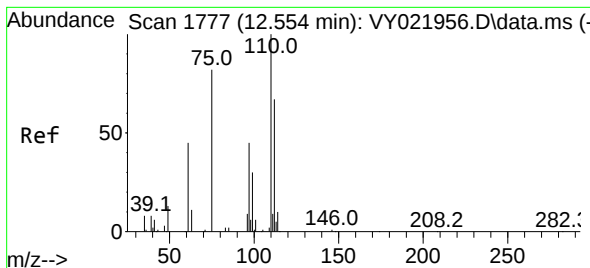
Ion Ratio Lower Upper

152 100

115 57.1 28.0 84.0

150 154.9 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 83.348 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022146.D

Acq: 05 May 2025 09:24

Instrument :

MSVOA_Y

ClientSampleId :

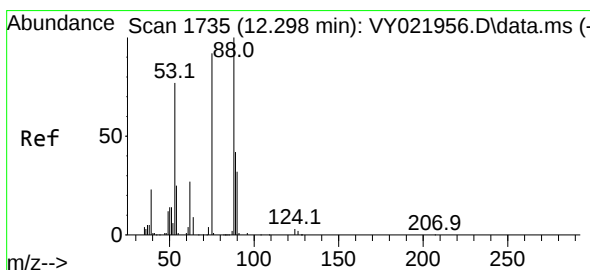
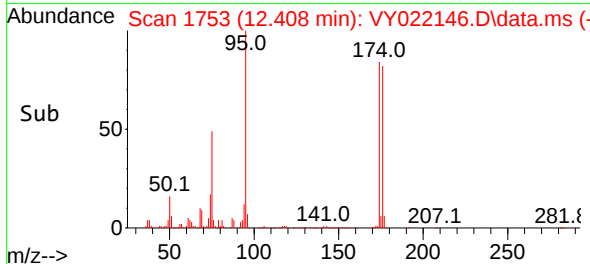
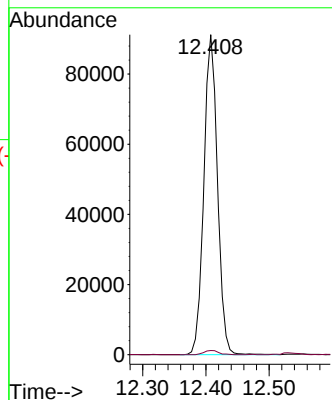
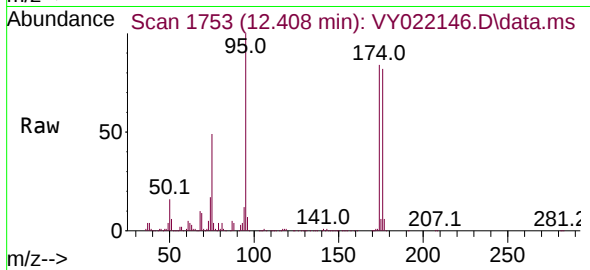
VY0505SBL01

Tgt Ion: 75 Resp: 136727

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 200.715 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.110 min

Lab File: VY022146.D

Acq: 05 May 2025 09:24

Tgt Ion: 75 Resp: 136727

Ion Ratio Lower Upper

75 100

53 0.2 66.0 99.0#

89 0.0 37.2 55.8#

