

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051325\
 Data File : VY022238.D
 Acq On : 13 May 2025 13:05
 Operator : SY/MD
 Sample : Q1983-02RE
 Misc : 4.83g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-01RE

Quant Time: May 13 14:03:33 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)

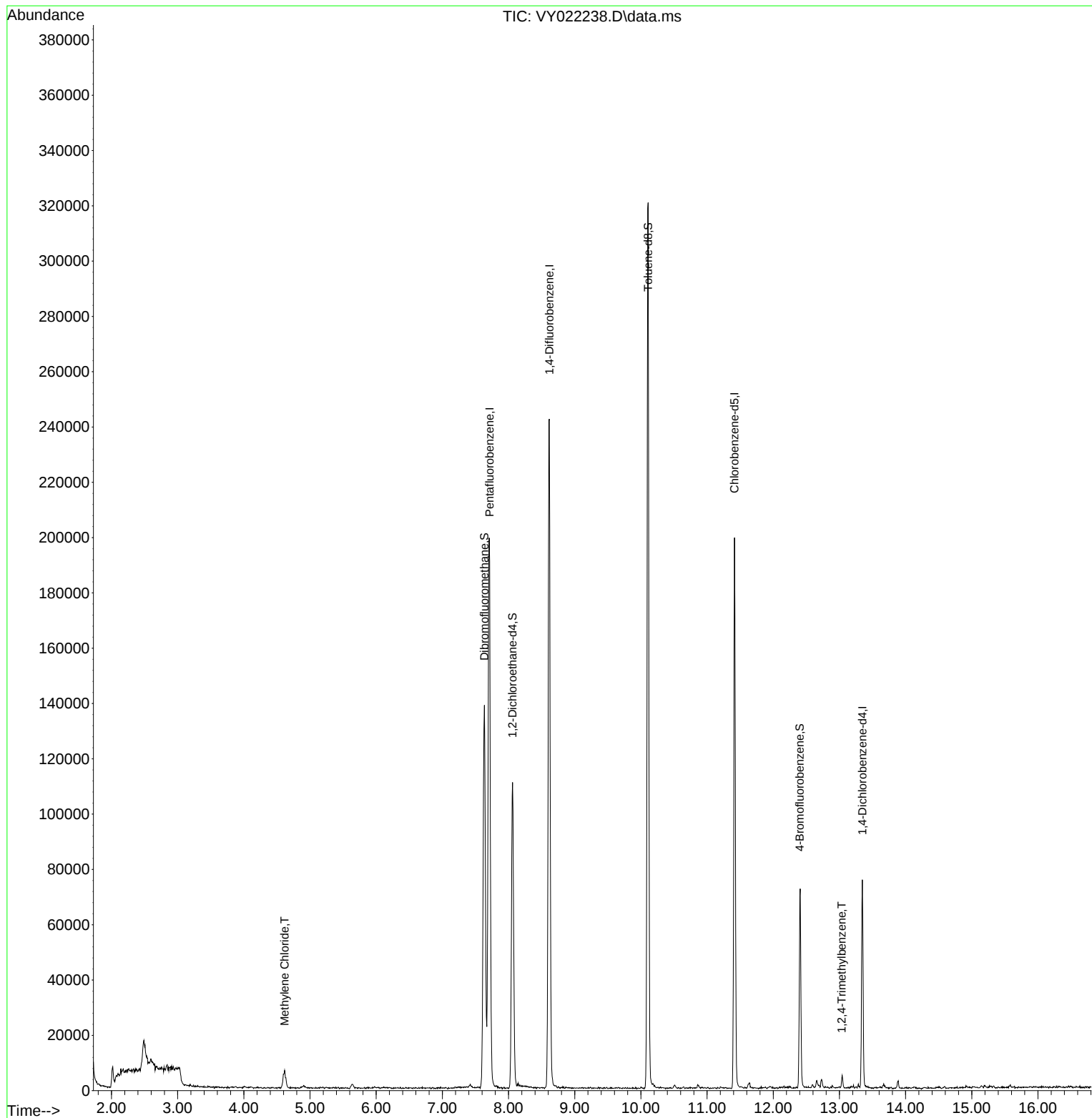
Internal Standards						
1) Pentafluorobenzene	7.713	168	161337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	220512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	111725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	19853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	88309	59.258	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.520%
35) Dibromofluoromethane	7.634	113	100776	69.175	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	138.360%
50) Toluene-d8	10.109	98	222450	40.503	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	81.000%
62) 4-Bromofluorobenzene	12.401	95	22830	12.348	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	24.700%#
Target Compounds						
						Qvalue
20) Methylene Chloride	4.616	84	4815	2.555	ug/l	# 93
84) 1,2,4-Trimethylbenzene	13.035	105	2254	2.062	ug/l	99

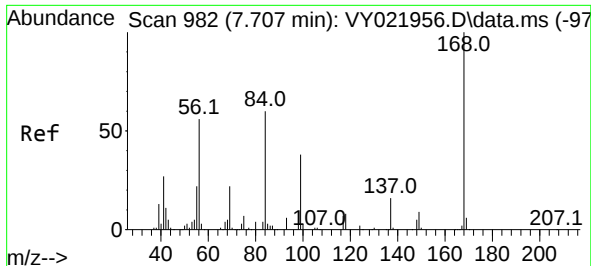
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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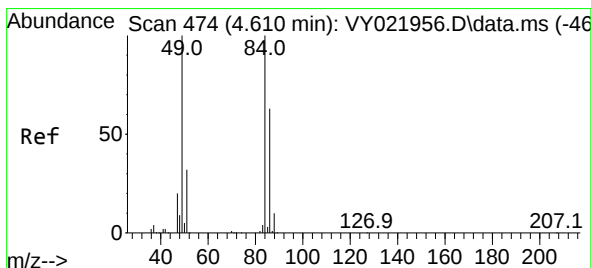
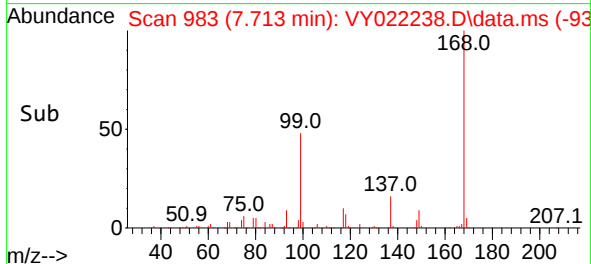
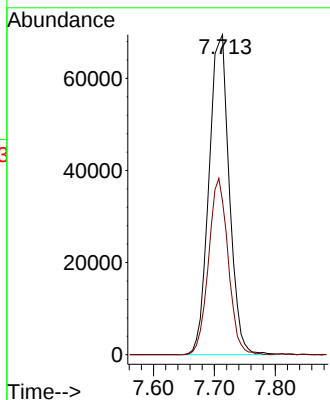
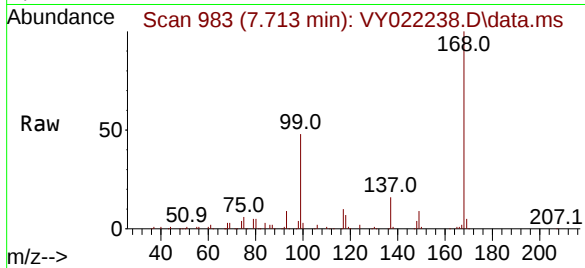




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022238.D
Acq: 13 May 2025 13:05

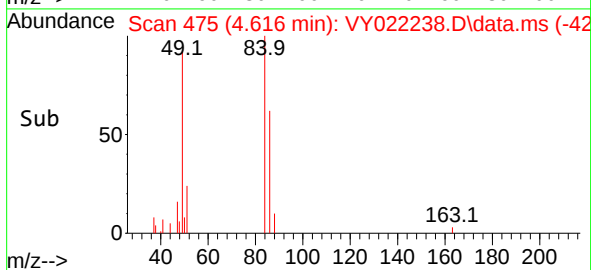
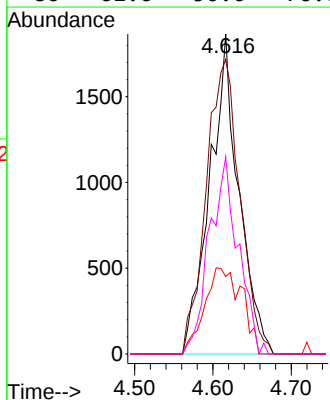
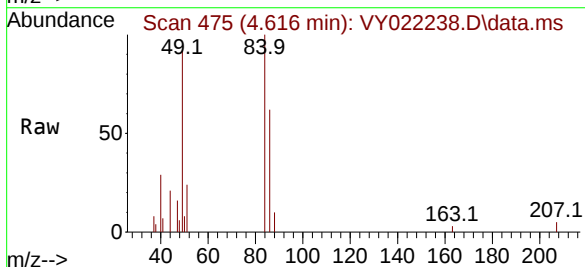
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-01RE

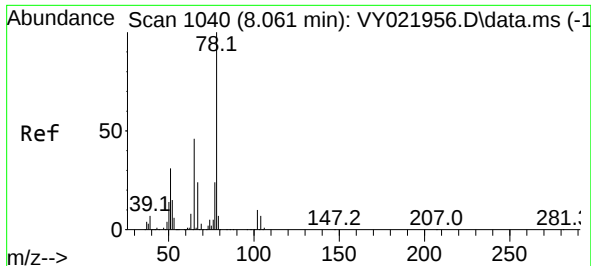
Tgt Ion:168 Resp: 161337
Ion Ratio Lower Upper
168 100
99 48.0 43.1 64.7



#20
Methylene Chloride
Concen: 2.555 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY022238.D
Acq: 13 May 2025 13:05

Tgt Ion: 84 Resp: 4815
Ion Ratio Lower Upper
84 100
49 92.0 79.9 119.9
51 24.2 25.4 38.0#
86 61.6 50.6 76.0





#33

1,2-Dichloroethane-d4

Concen: 59.258 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022238.D

Acq: 13 May 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

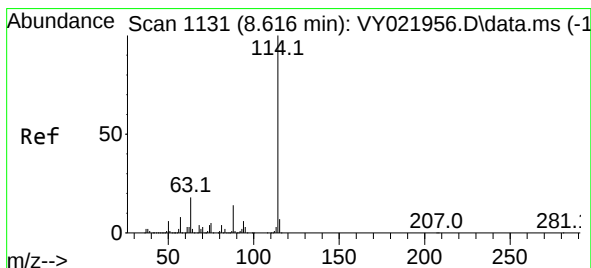
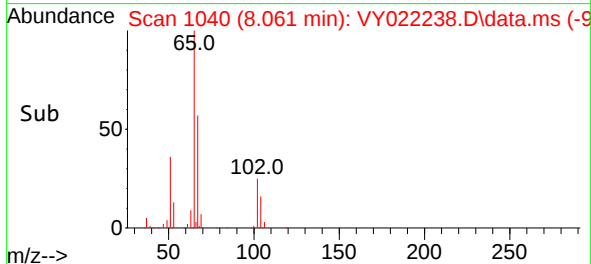
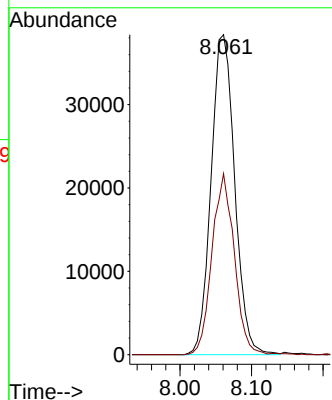
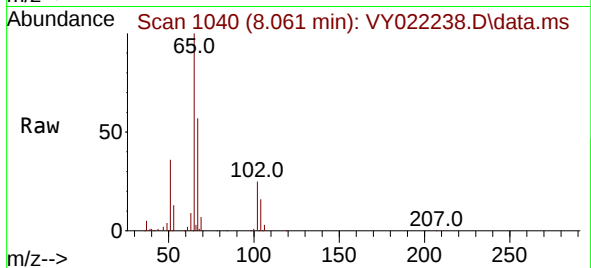
OR-636-VOC-01RE

Tgt Ion: 65 Resp: 88309

Ion Ratio Lower Upper

65 100

67 53.2 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022238.D

Acq: 13 May 2025 13:05

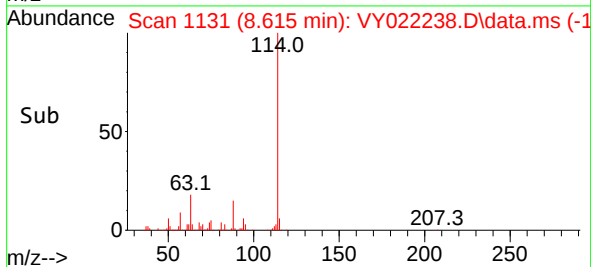
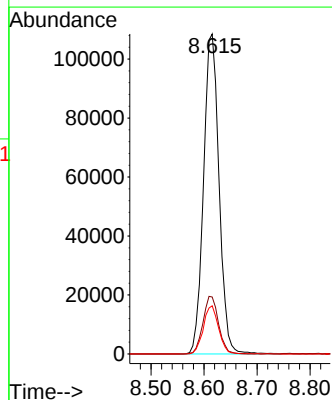
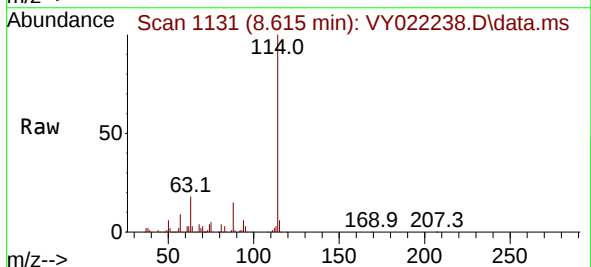
Tgt Ion: 114 Resp: 220512

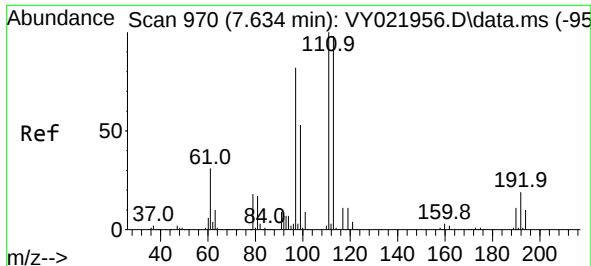
Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.4

88 15.1 0.0 28.2

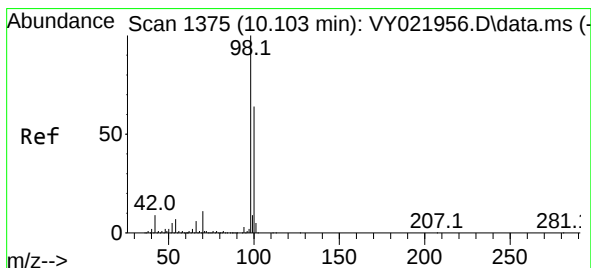
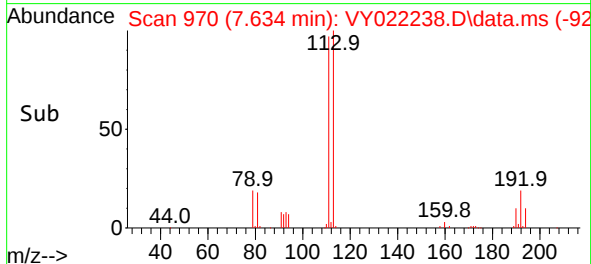
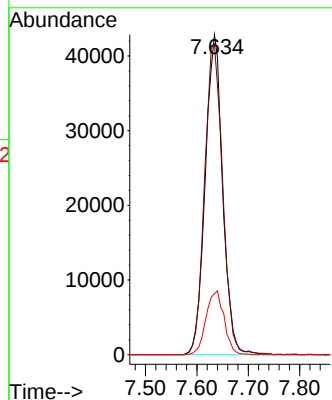
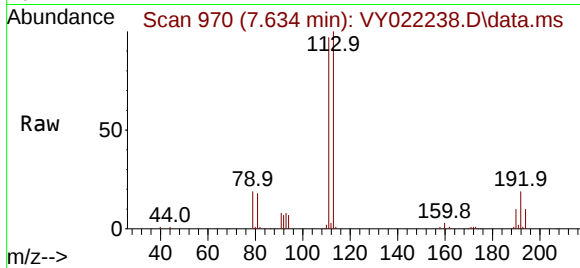




#35
Dibromofluoromethane
Concen: 69.175 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022238.D
Acq: 13 May 2025 13:05

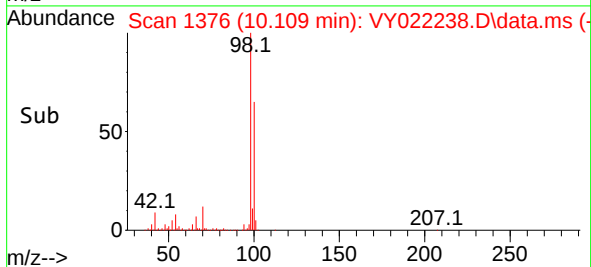
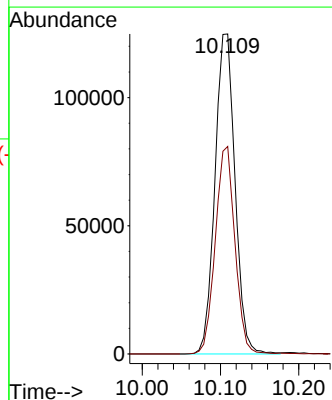
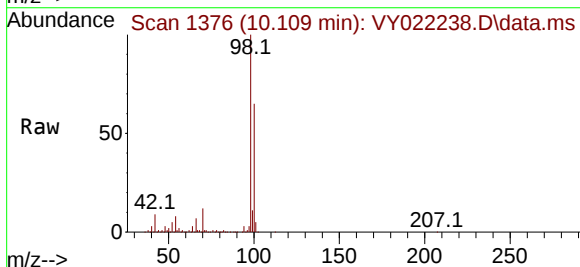
Instrument :
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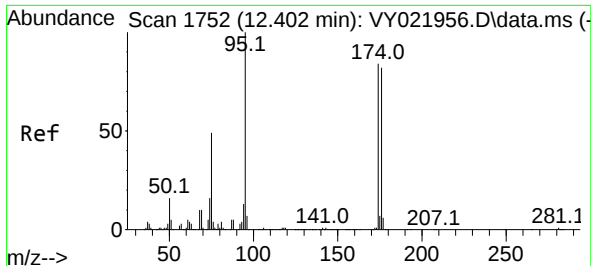
Tgt Ion:113 Resp: 100776
Ion Ratio Lower Upper
113 100
111 101.1 81.8 122.8
192 20.7 15.6 23.4



#50
Toluene-d8
Concen: 40.503 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022238.D
Acq: 13 May 2025 13:05

Tgt Ion: 98 Resp: 222450
Ion Ratio Lower Upper
98 100
100 63.4 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 12.348 ug/l

RT: 12.401 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022238.D

Acq: 13 May 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

OR-636-VOC-01RE

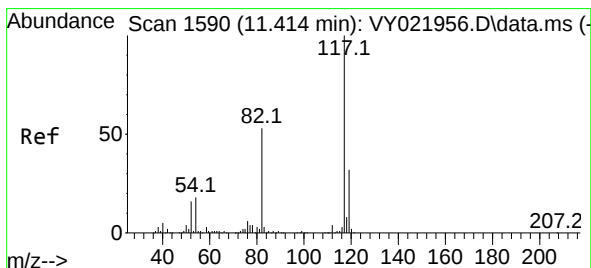
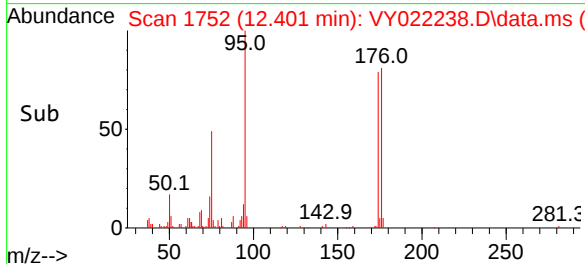
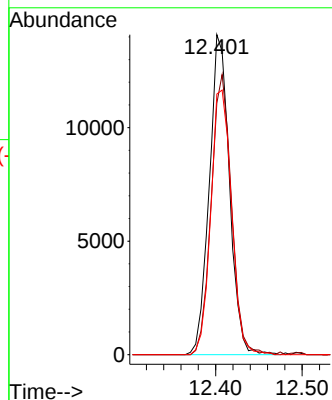
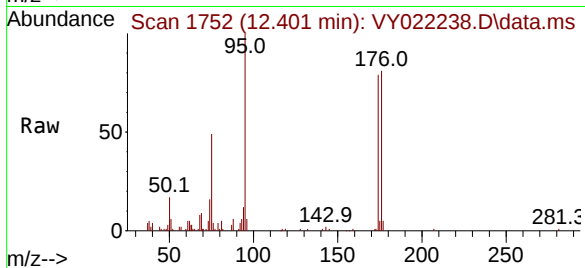
Tgt Ion: 95 Resp: 22830

Ion Ratio Lower Upper

95 100

174 87.8 0.0 179.0

176 85.2 0.0 171.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.000 min

Lab File: VY022238.D

Acq: 13 May 2025 13:05

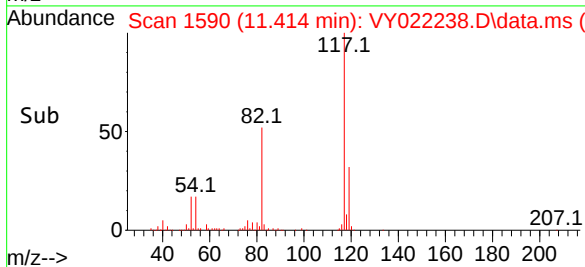
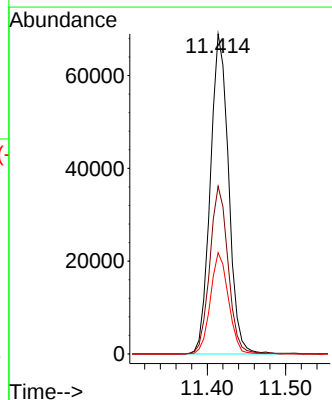
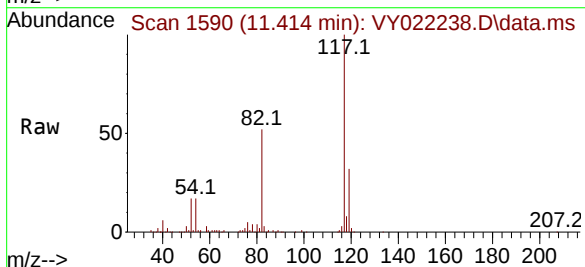
Tgt Ion: 117 Resp: 111725

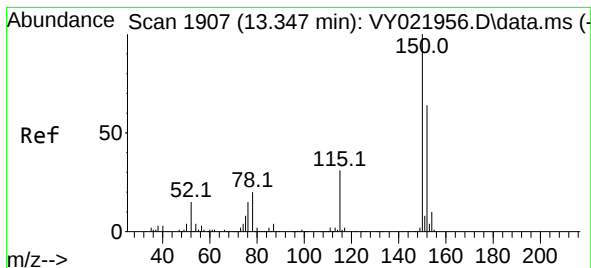
Ion Ratio Lower Upper

117 100

82 52.4 42.1 63.1

119 31.6 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: VY022238.D

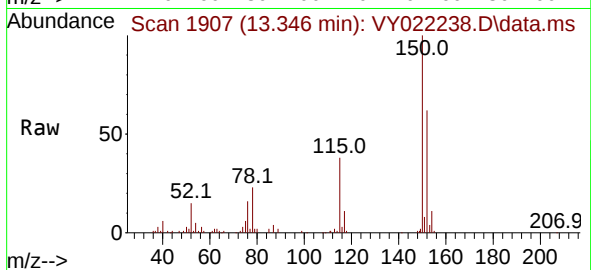
Acq: 13 May 2025 13:05

Instrument :

MSVOA_Y

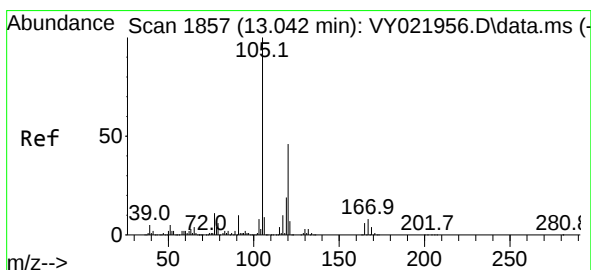
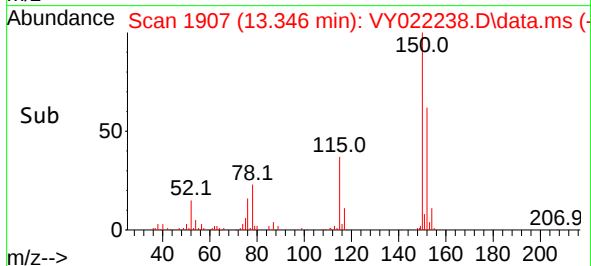
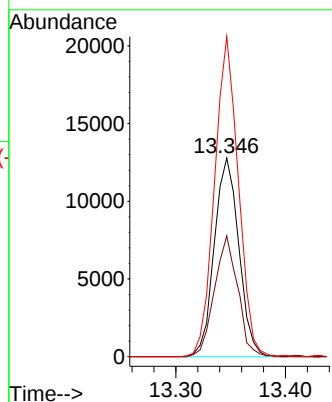
ClientSampleId :

OR-636-VOC-01RE



Tgt Ion:152 Resp: 19853

Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.0	84.0
150	156.4	0.0	345.6



#84

1,2,4-Trimethylbenzene

Concen: 2.062 ug/l

RT: 13.035 min Scan# 1856

Delta R.T. -0.006 min

Lab File: VY022238.D

Acq: 13 May 2025 13:05

Tgt Ion:105 Resp: 2254

Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.4	70.0

