

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
 Data File : VY021327.D
 Acq On : 26 Feb 2025 13:30
 Operator : SY/MD
 Sample : Q1413-02RE
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-2-022125RE

Quant Time: Feb 26 13:54:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

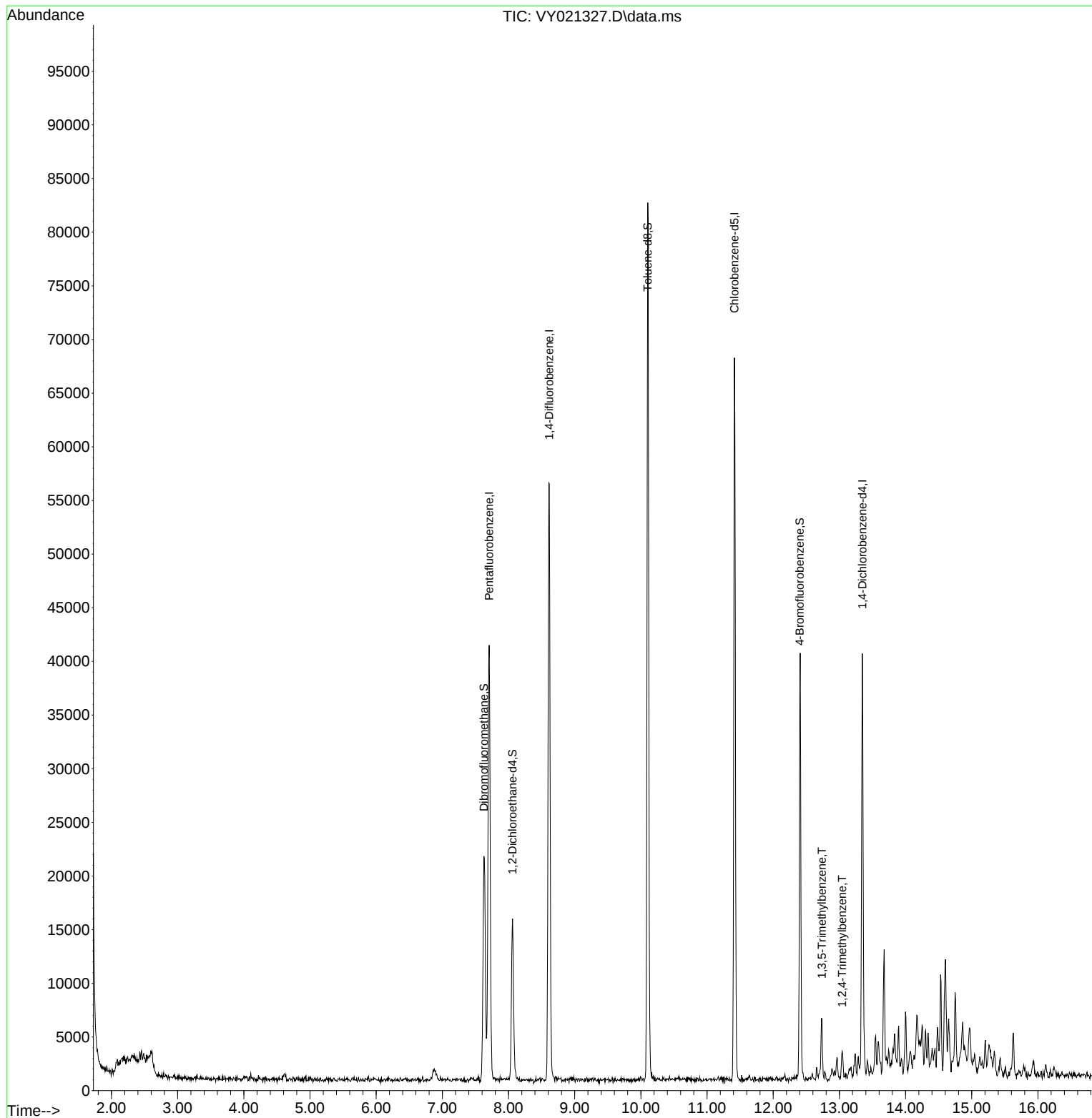
Internal Standards						
1) Pentafluorobenzene	7.707	168	31282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	47948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	34623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	9785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	12293	34.641	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	69.280%
35) Dibromofluoromethane	7.628	113	15309	48.700	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.400%
50) Toluene-d8	10.103	98	53247	43.829	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.660%
62) 4-Bromofluorobenzene	12.402	95	11472	28.058	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	56.120%
Target Compounds						
80) 1,3,5-Trimethylbenzene	12.737	105	607	1.006	ug/l	93
84) 1,2,4-Trimethylbenzene	13.042	105	1640	2.733	ug/l	95

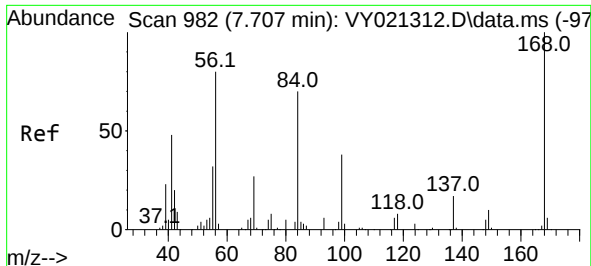
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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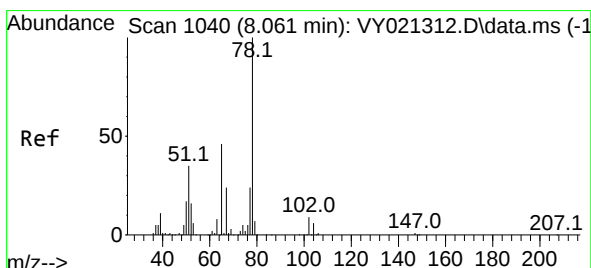
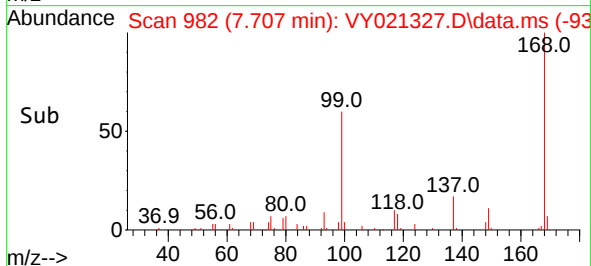
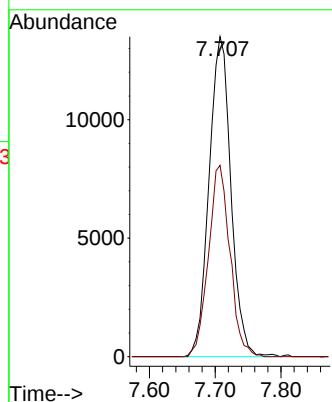
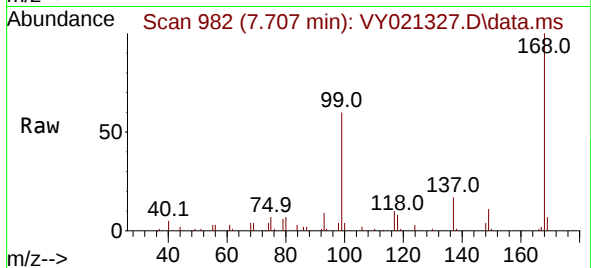




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021327.D
Acq: 26 Feb 2025 13:30

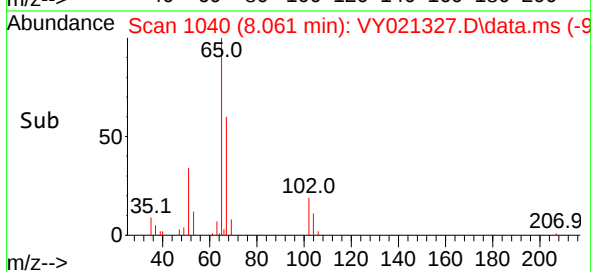
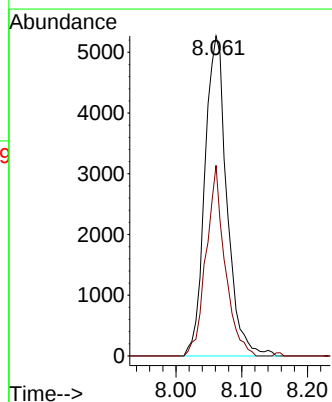
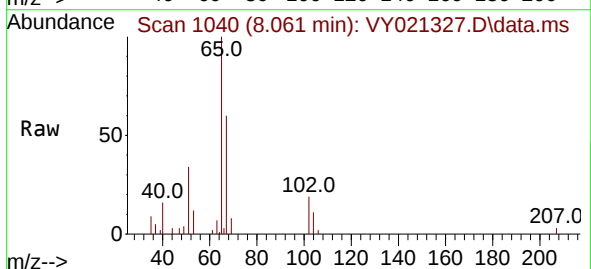
Instrument :
MSVOA_Y
ClientSampleId :
BU-2-022125RE

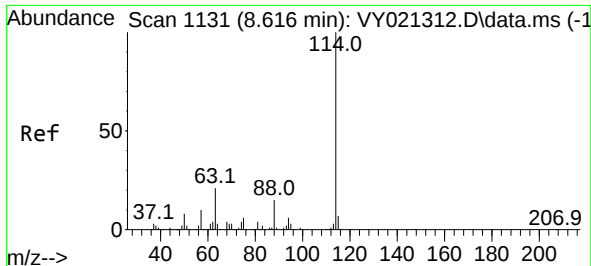
Tgt Ion:168 Resp: 31282
Ion Ratio Lower Upper
168 100
99 59.8 47.1 70.7



#33
1,2-Dichloroethane-d4
Concen: 34.641 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021327.D
Acq: 26 Feb 2025 13:30

Tgt Ion: 65 Resp: 12293
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.6

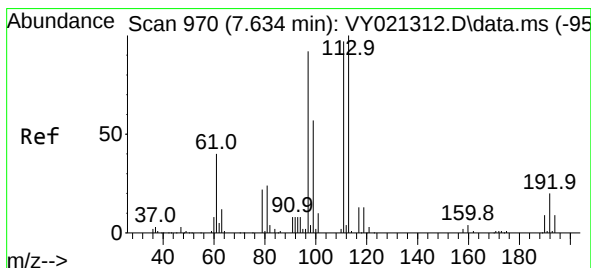
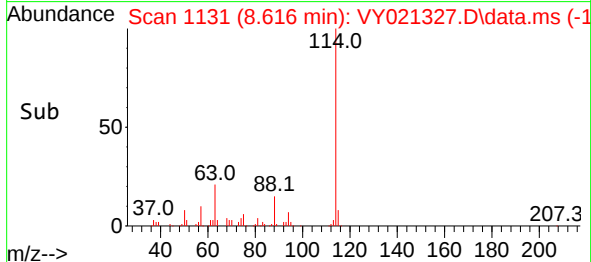
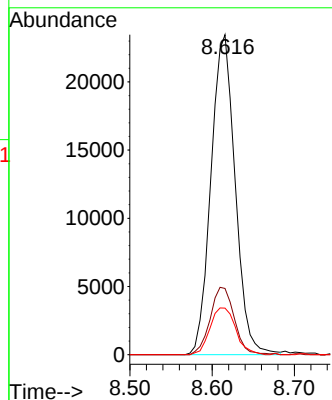
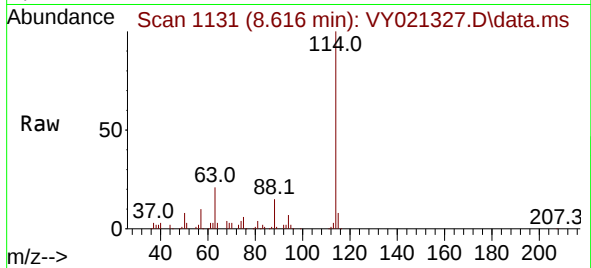




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021327.D
Acq: 26 Feb 2025 13:30

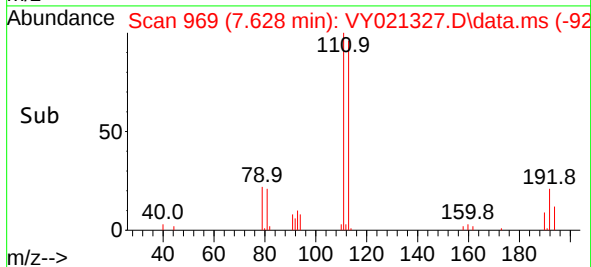
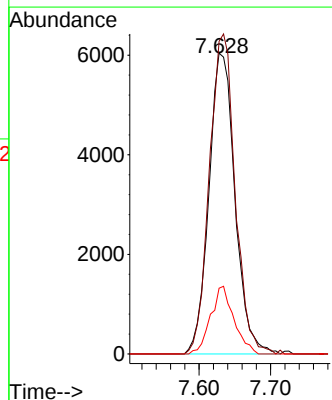
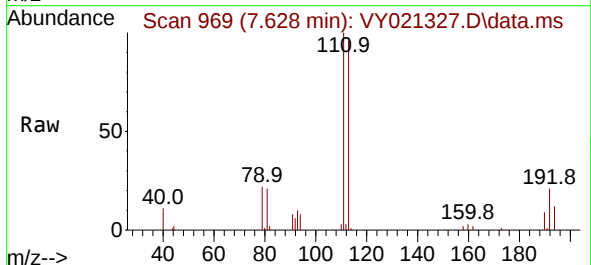
Instrument :
MSVOA_Y
ClientSampleId :
BU-2-022125RE

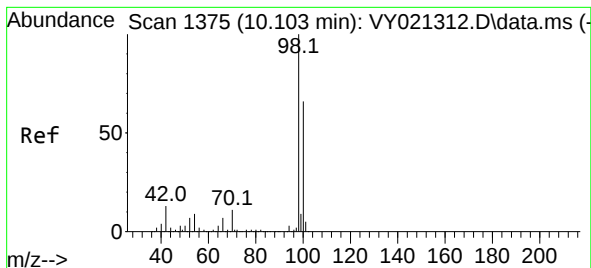
Tgt Ion:	114	Resp:	47948
Ion Ratio	Lower	Upper	
114	100		
63	20.7	0.0	42.2
88	14.6	0.0	29.8



#35
Dibromofluoromethane
Concen: 48.700 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY021327.D
Acq: 26 Feb 2025 13:30

Tgt Ion:	113	Resp:	15309
Ion Ratio	Lower	Upper	
113	100		
111	104.9	81.0	121.6
192	20.1	15.8	23.8





#50

Toluene-d8

Concen: 43.829 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021327.D

Acq: 26 Feb 2025 13:30

Instrument :

MSVOA_Y

ClientSampleId :

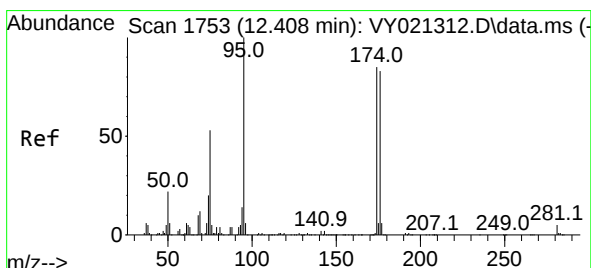
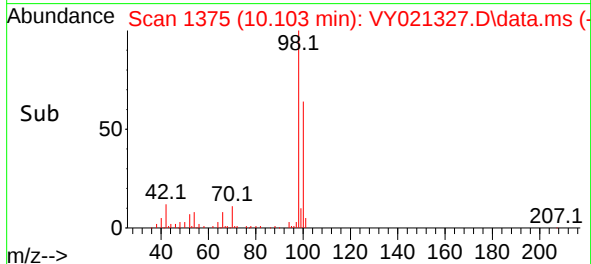
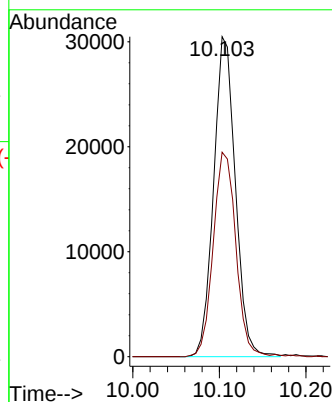
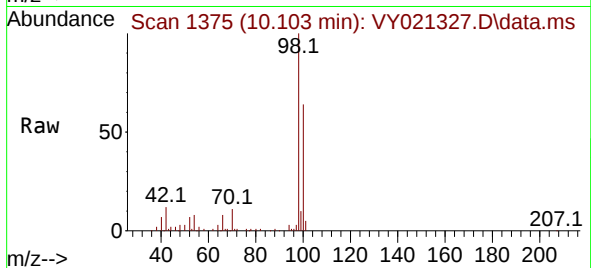
BU-2-022125RE

Tgt Ion: 98 Resp: 53247

Ion Ratio Lower Upper

98 100

100 66.9 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 28.058 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY021327.D

Acq: 26 Feb 2025 13:30

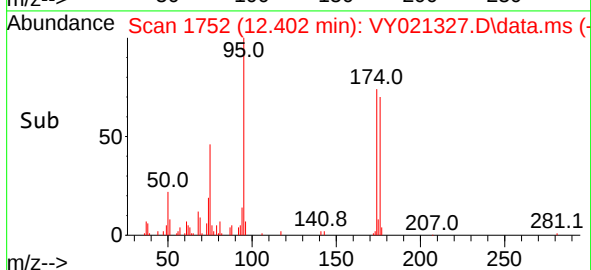
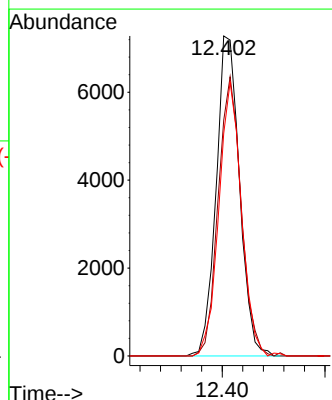
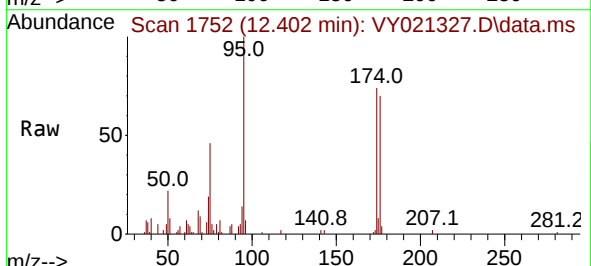
Tgt Ion: 95 Resp: 11472

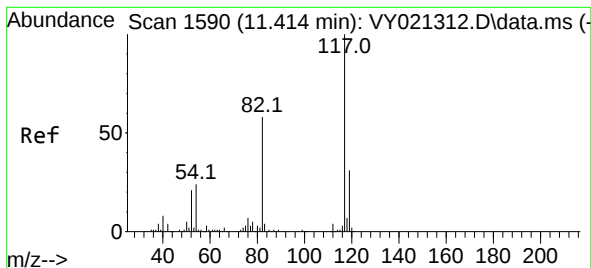
Ion Ratio Lower Upper

95 100

174 85.7 0.0 168.0

176 82.9 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021327.D

Acq: 26 Feb 2025 13:30

Instrument :

MSVOA_Y

ClientSampleId :

BU-2-022125RE

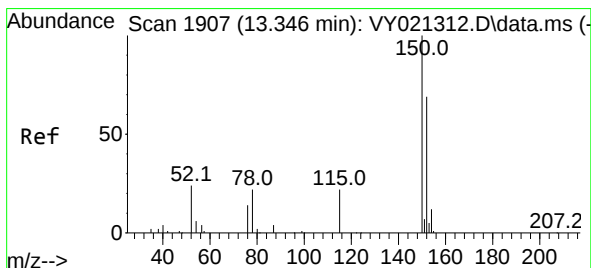
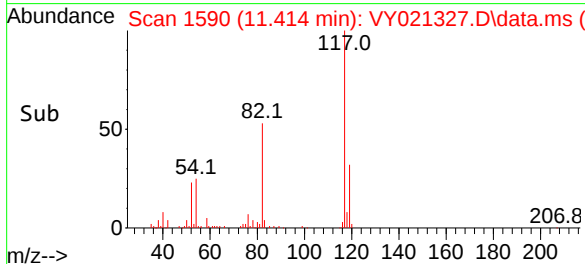
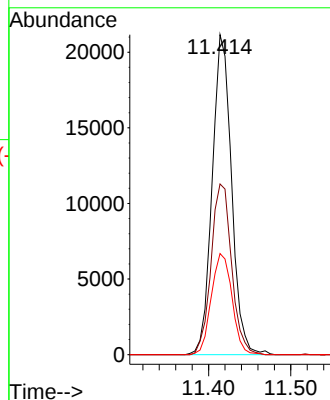
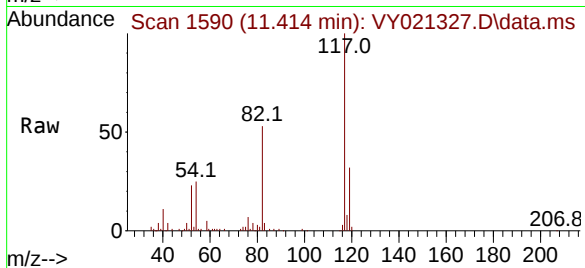
Tgt Ion:117 Resp: 34623

Ion Ratio Lower Upper

117 100

82 53.4 46.2 69.4

119 31.6 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021327.D

Acq: 26 Feb 2025 13:30

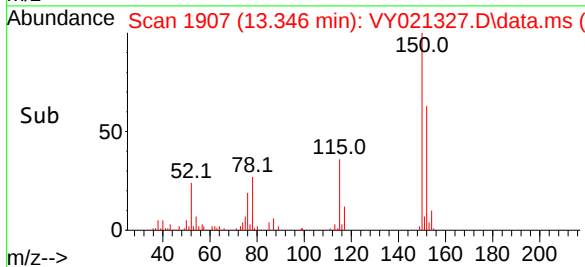
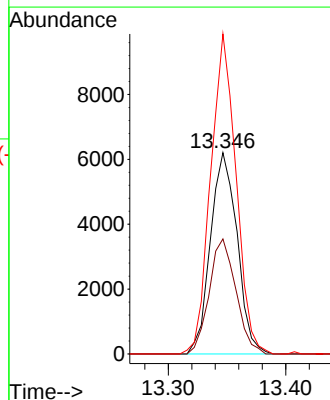
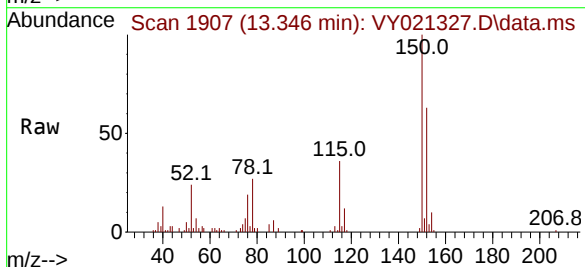
Tgt Ion:152 Resp: 9785

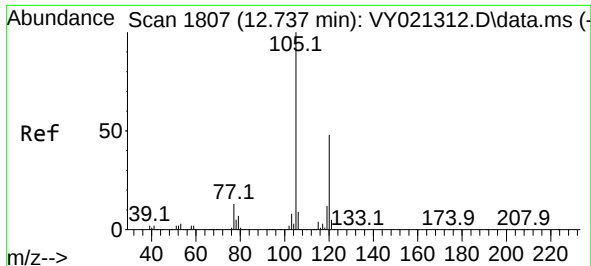
Ion Ratio Lower Upper

152 100

115 57.3 29.3 88.0

150 151.4 0.0 347.4

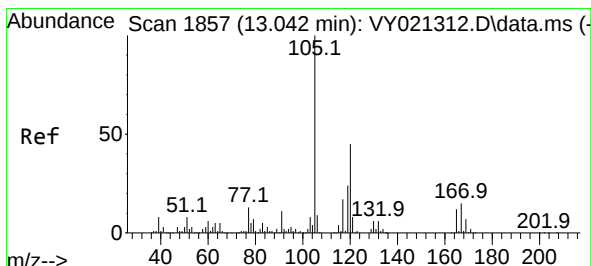
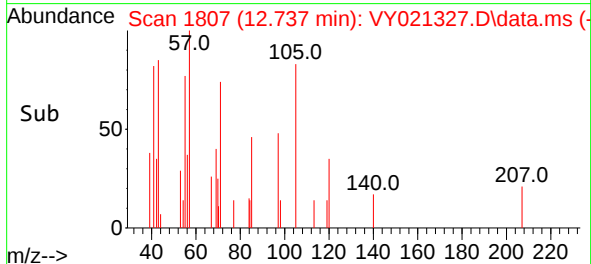
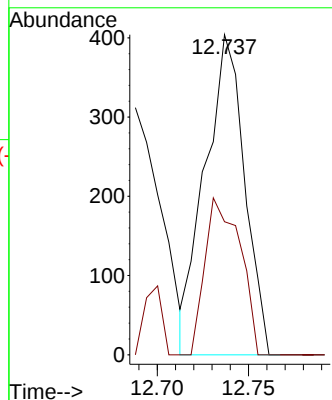
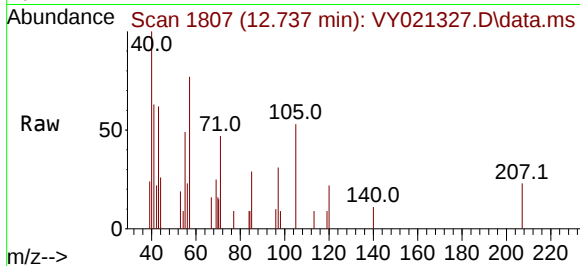




#80
 1,3,5-Trimethylbenzene
 Concen: 1.006 ug/l
 RT: 12.737 min Scan# 1807
 Delta R.T. 0.000 min
 Lab File: VY021327.D
 Acq: 26 Feb 2025 13:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-2-022125RE

Tgt Ion:105 Resp: 607
 Ion Ratio Lower Upper
 105 100
 120 43.8 24.3 73.0



#84
 1,2,4-Trimethylbenzene
 Concen: 2.733 ug/l
 RT: 13.042 min Scan# 1857
 Delta R.T. 0.000 min
 Lab File: VY021327.D
 Acq: 26 Feb 2025 13:30

Tgt Ion:105 Resp: 1640
 Ion Ratio Lower Upper
 105 100
 120 41.8 22.4 67.3

