

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
 Data File : VY021699.D
 Acq On : 28 Mar 2025 17:58
 Operator : SY/MD
 Sample : Q1664-09
 Misc : 4.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-BBDGA-002-01

Quant Time: Mar 28 23:47:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

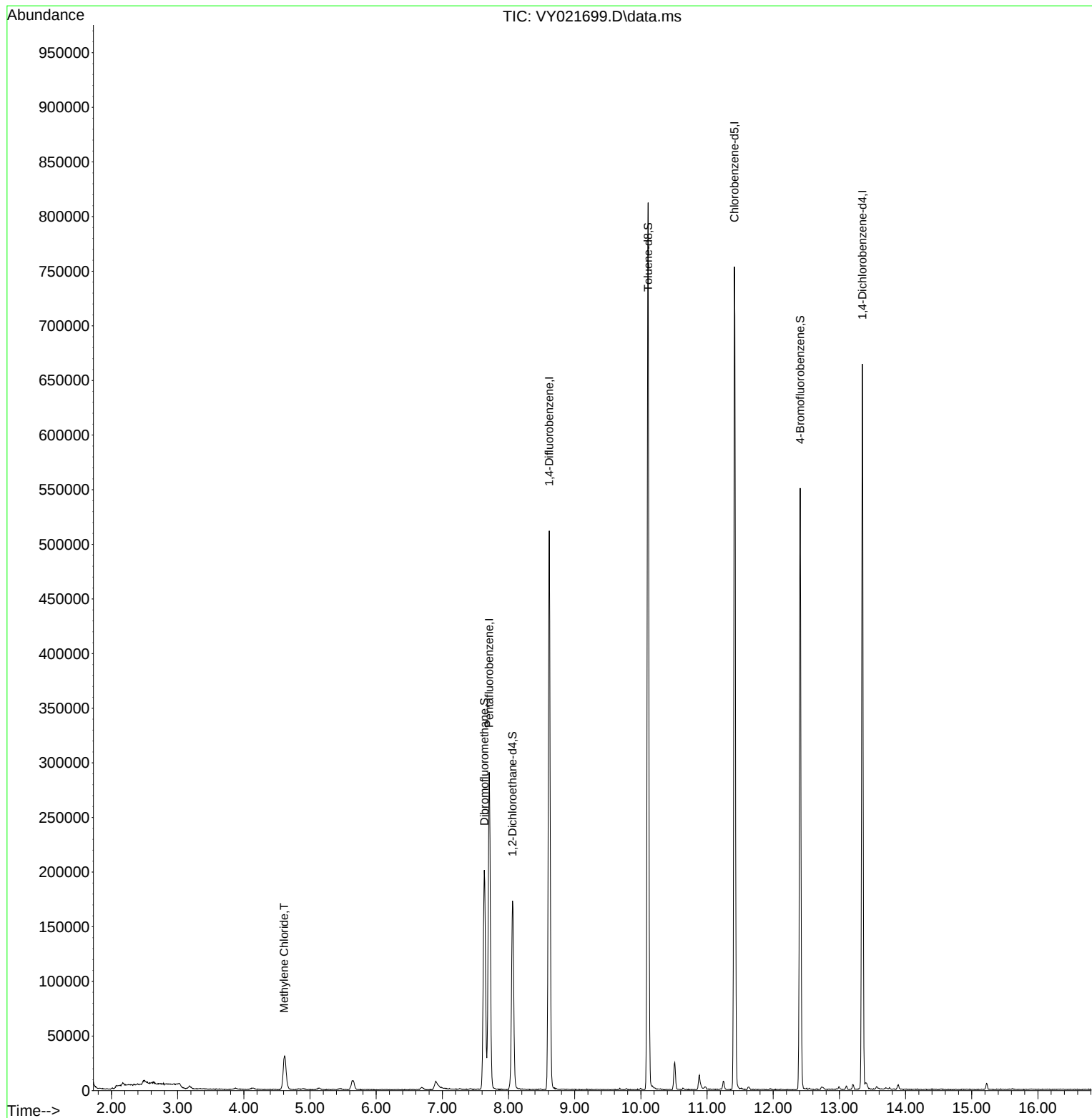
Internal Standards						
1) Pentafluorobenzene	7.707	168	215190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	416015	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	385659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	154270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	135653	58.182	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.360%
35) Dibromofluoromethane	7.634	113	141495	52.432	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.860%
50) Toluene-d8	10.109	98	511479	49.821	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.640%
62) 4-Bromofluorobenzene	12.408	95	159654	45.976	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.960%
Target Compounds						
20) Methylene Chloride	4.610	84	22639	6.317	ug/l	93

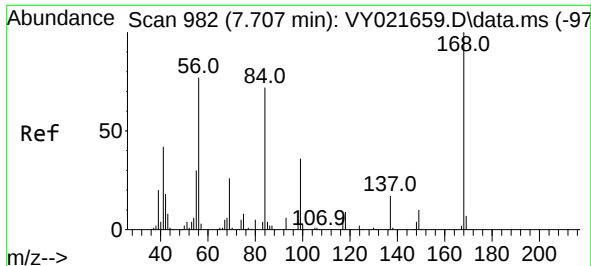
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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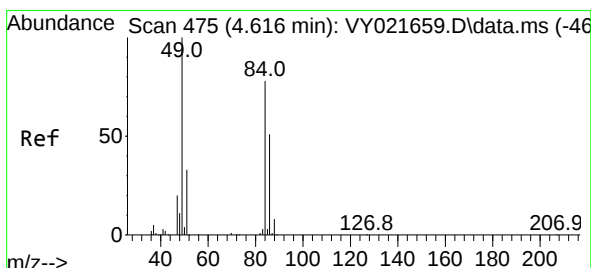
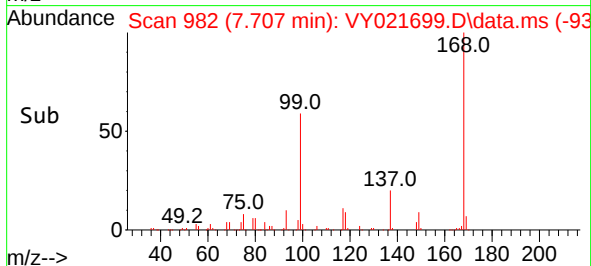
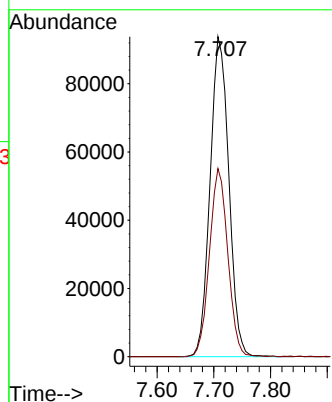
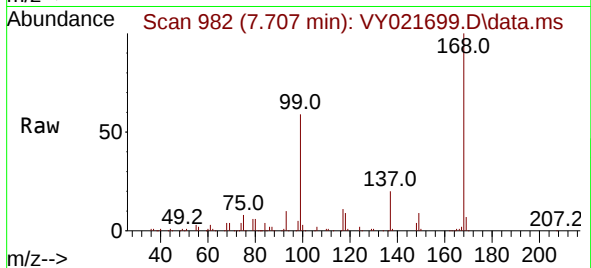




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021699.D
Acq: 28 Mar 2025 17:58

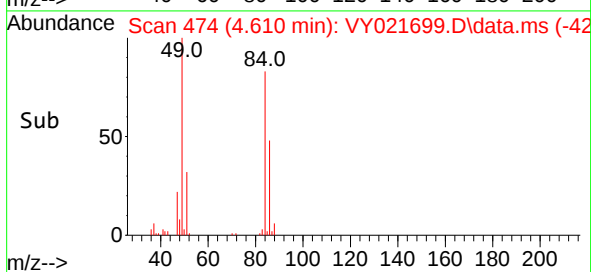
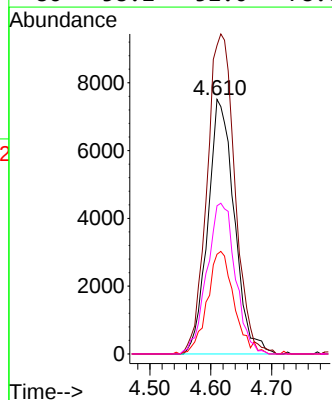
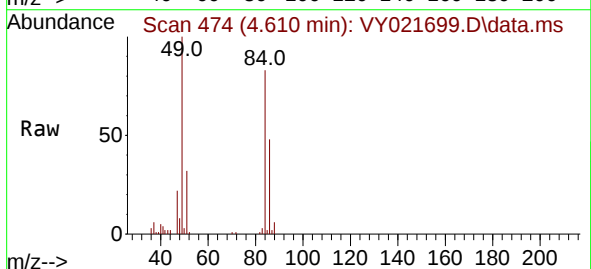
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-002-01

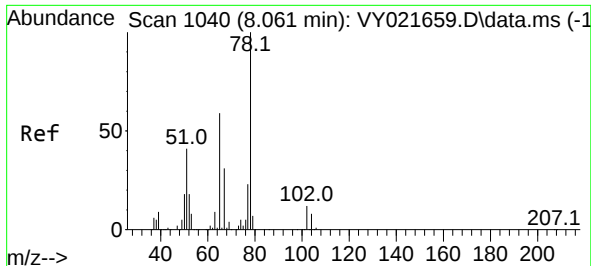
Tgt Ion:168 Resp: 215190
Ion Ratio Lower Upper
168 100
99 58.8 46.7 70.1



#20
Methylene Chloride
Concen: 6.317 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021699.D
Acq: 28 Mar 2025 17:58

Tgt Ion: 84 Resp: 22639
Ion Ratio Lower Upper
84 100
49 121.2 102.8 154.2
51 39.2 33.5 50.3
86 58.2 52.0 78.0





#33

1,2-Dichloroethane-d4

Concen: 58.182 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021699.D

Acq: 28 Mar 2025 17:58

Instrument :

MSVOA_Y

ClientSampleId :

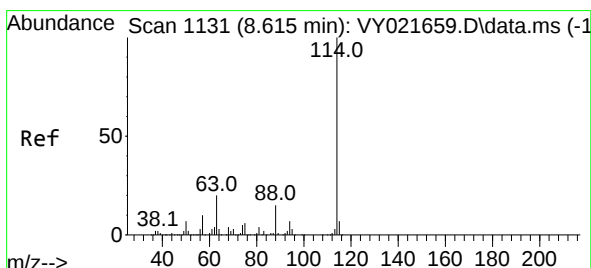
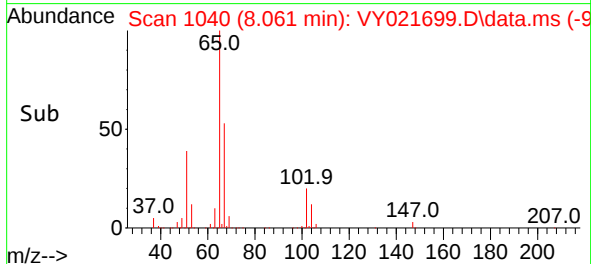
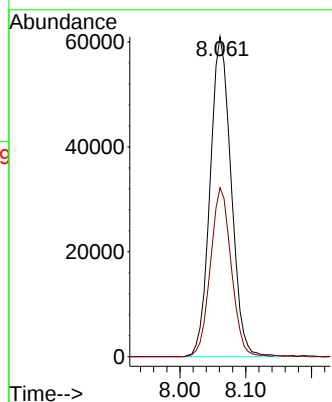
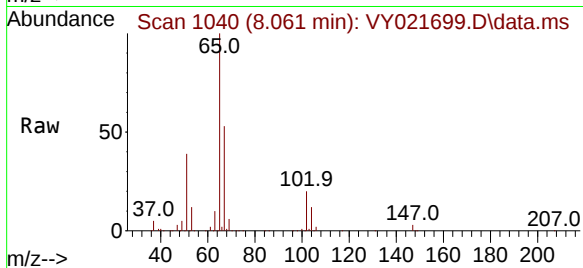
P001-BBDGA-002-01

Tgt Ion: 65 Resp: 135653

Ion Ratio Lower Upper

65 100

67 52.3 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: VY021699.D

Acq: 28 Mar 2025 17:58

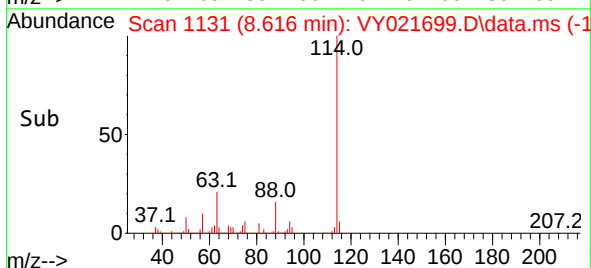
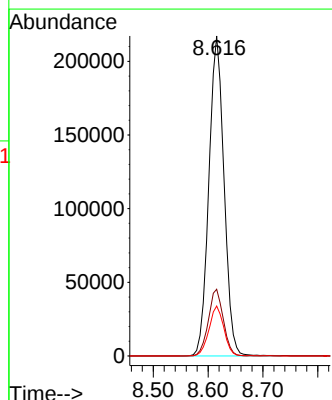
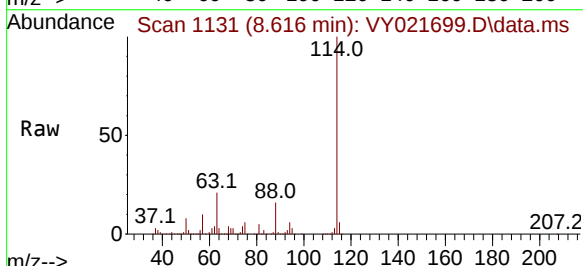
Tgt Ion: 114 Resp: 416015

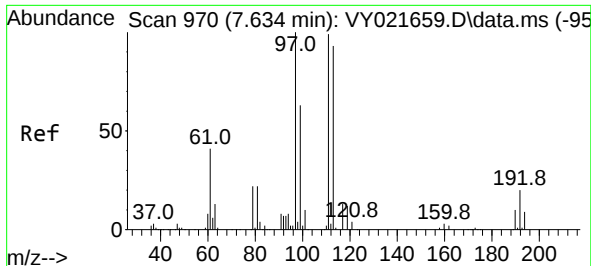
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.2

88 15.6 0.0 29.8

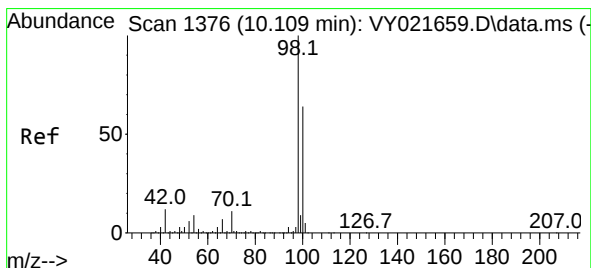
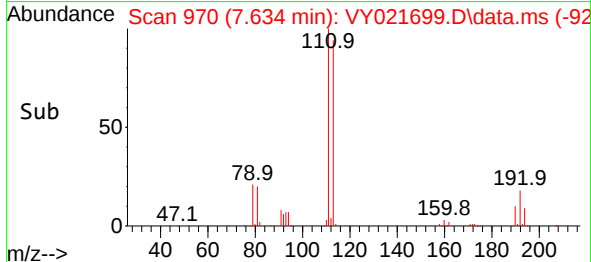
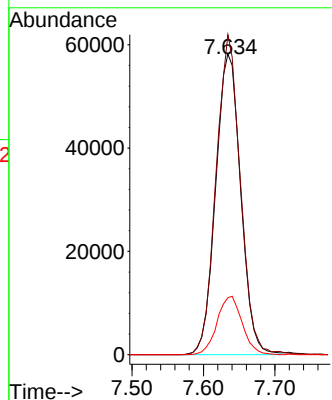
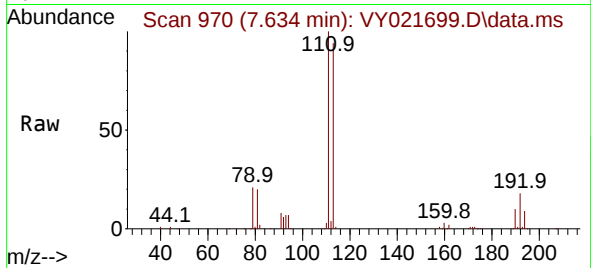




#35
Dibromofluoromethane
Concen: 52.432 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021699.D
Acq: 28 Mar 2025 17:58

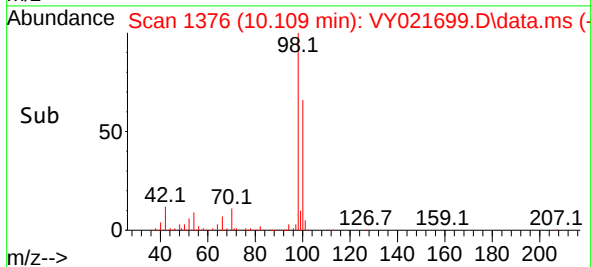
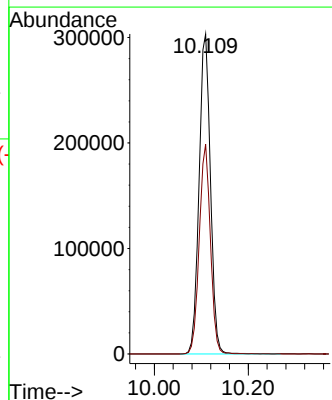
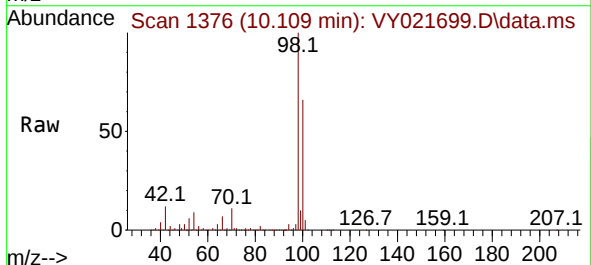
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-002-01

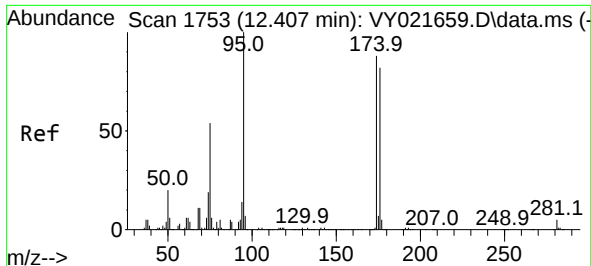
Tgt Ion:113 Resp: 141495
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 19.5 16.2 24.4



#50
Toluene-d8
Concen: 49.821 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021699.D
Acq: 28 Mar 2025 17:58

Tgt Ion: 98 Resp: 511479
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1

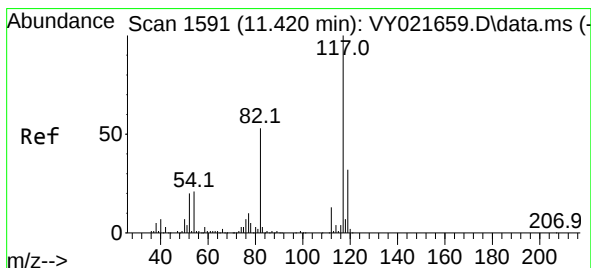
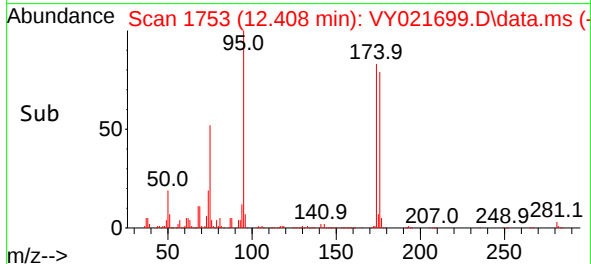
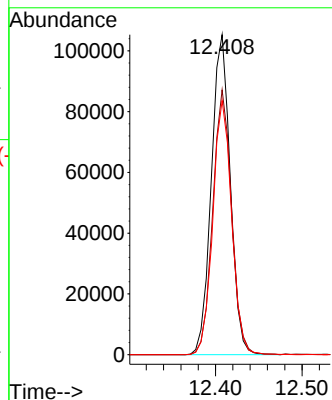
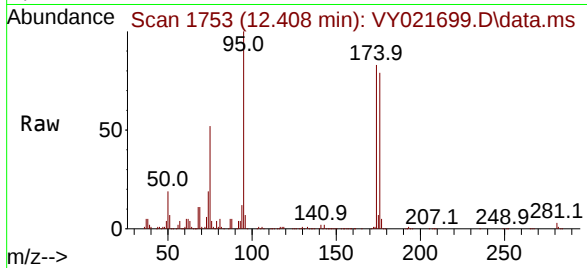




#62
4-Bromofluorobenzene
Concen: 45.976 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021699.D
Acq: 28 Mar 2025 17:58

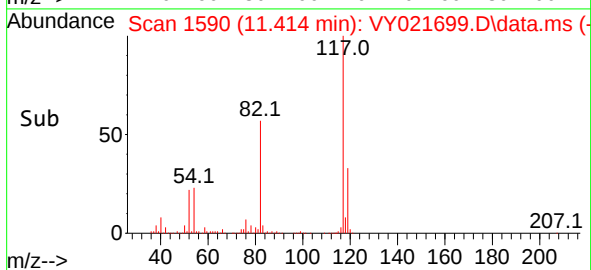
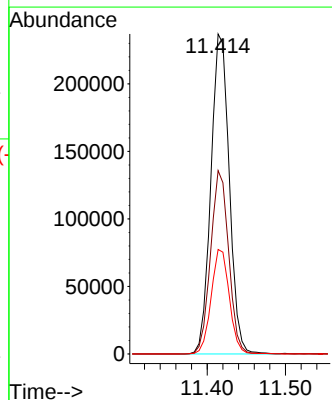
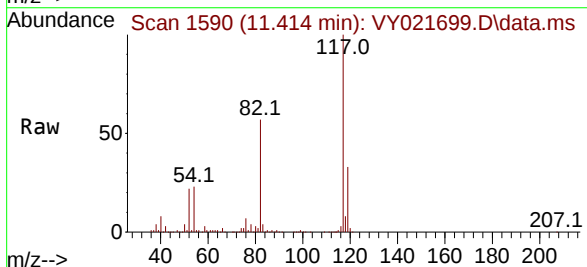
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-002-01

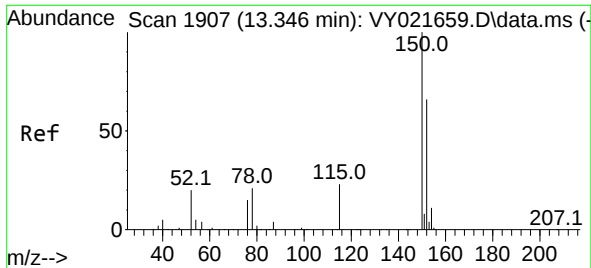
Tgt Ion: 95 Resp: 159654
Ion Ratio Lower Upper
95 100
174 82.6 0.0 170.8
176 79.2 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021699.D
Acq: 28 Mar 2025 17:58

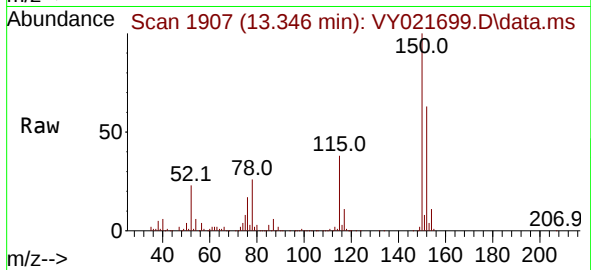
Tgt Ion: 117 Resp: 385659
Ion Ratio Lower Upper
117 100
82 57.3 42.8 64.2
119 32.7 25.7 38.5





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021699.D
Acq: 28 Mar 2025 17:58

Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-002-01



Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	28.8	86.5
150	157.2	0.0	348.4

