

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
 Data File : VY021703.D
 Acq On : 28 Mar 2025 19:32
 Operator : SY/MD
 Sample : Q1664-17
 Misc : 5.74g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-BBDGA-006-01

Quant Time: Mar 28 23:48:50 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)

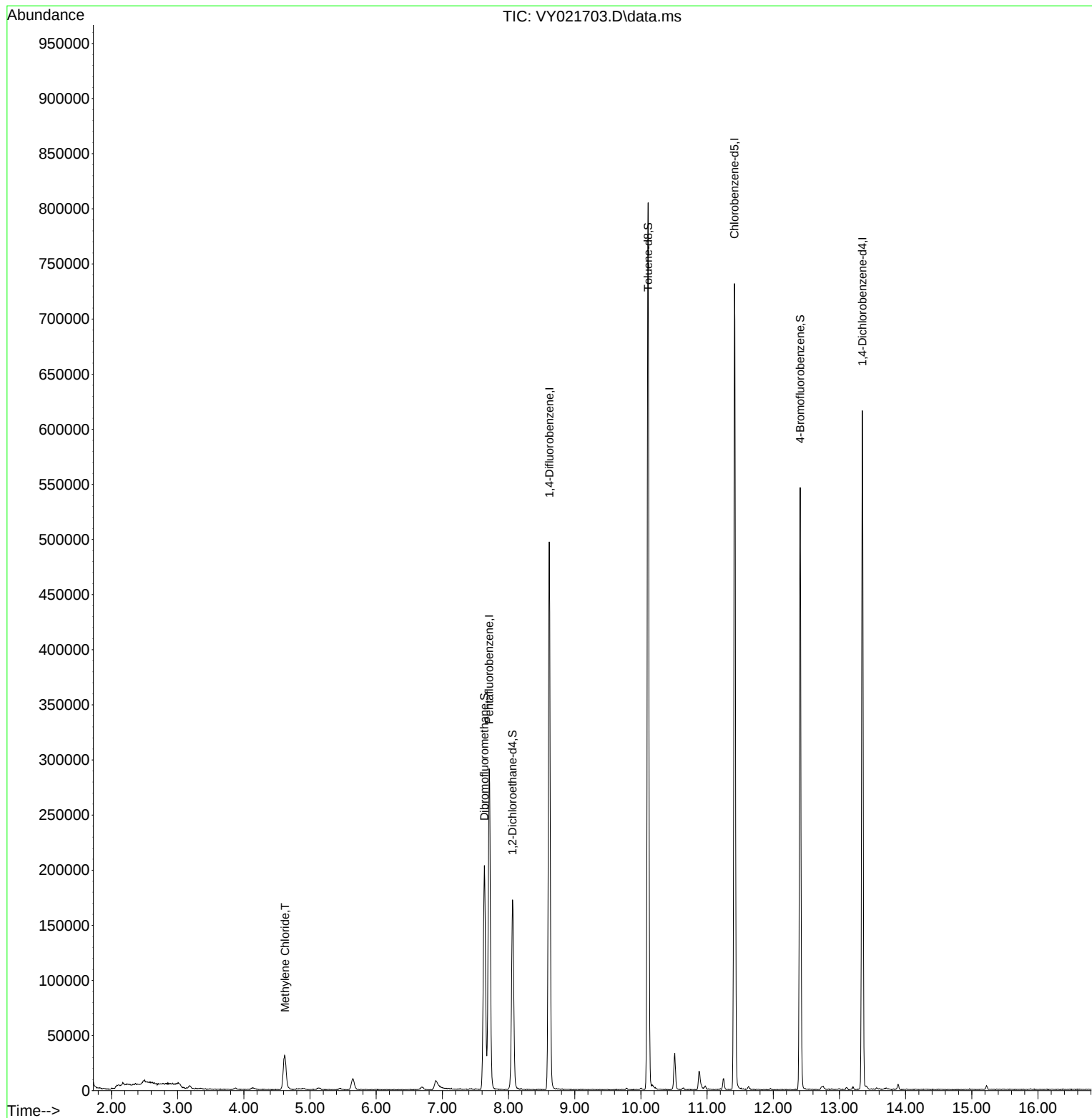
Internal Standards						
1) Pentafluorobenzene	7.707	168	216084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	410241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	381513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	151297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	133444	56.998	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.000%
35) Dibromofluoromethane	7.634	113	140354	52.742	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.480%
50) Toluene-d8	10.109	98	508912	50.269	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.540%
62) 4-Bromofluorobenzene	12.408	95	156593	45.729	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.460%
Target Compounds						
20) Methylene Chloride	4.622	84	22927	6.406	ug/l	94

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

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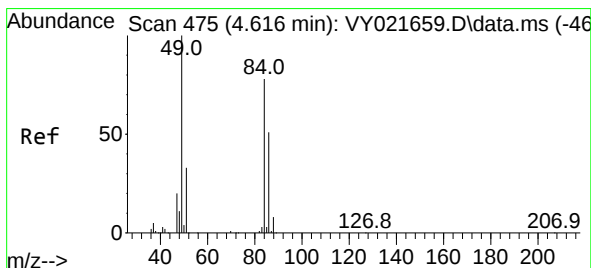
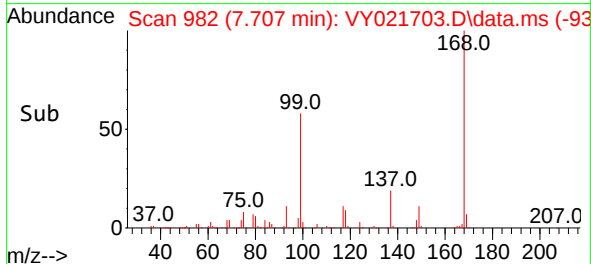
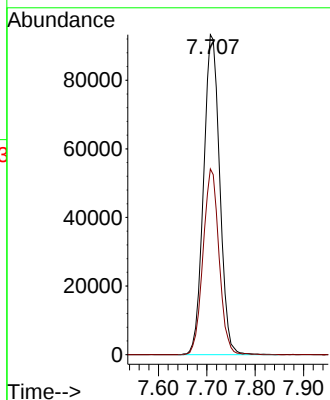
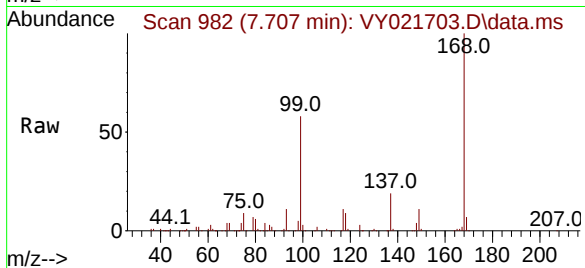




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021703.D
Acq: 28 Mar 2025 19:32

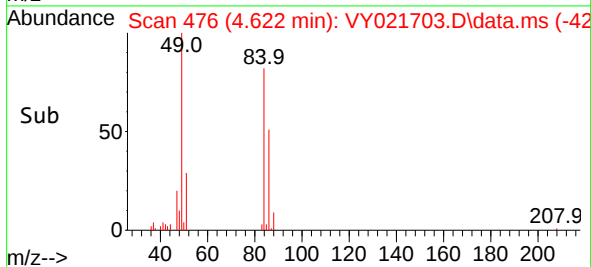
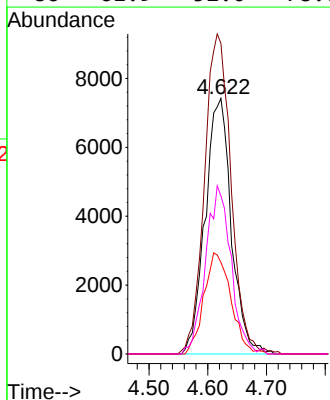
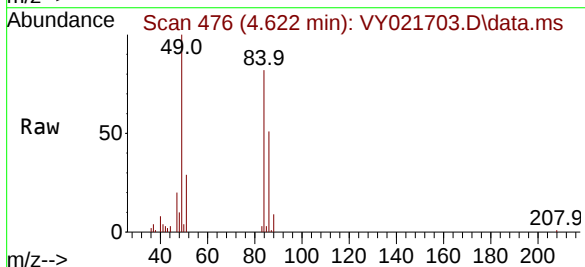
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-006-01

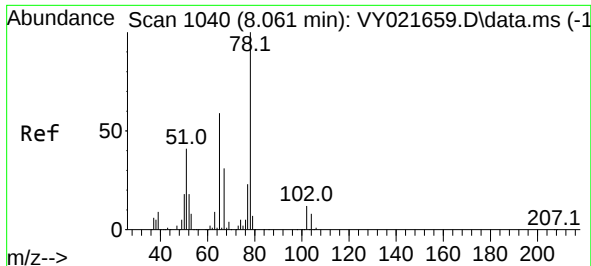
Tgt Ion:168 Resp: 216084
Ion Ratio Lower Upper
168 100
99 58.0 46.7 70.1



#20
Methylene Chloride
Concen: 6.406 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY021703.D
Acq: 28 Mar 2025 19:32

Tgt Ion: 84 Resp: 22927
Ion Ratio Lower Upper
84 100
49 121.6 102.8 154.2
51 35.8 33.5 50.3
86 61.9 52.0 78.0





#33

1,2-Dichloroethane-d4

Concen: 56.998 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021703.D

Acq: 28 Mar 2025 19:32

Instrument :

MSVOA_Y

ClientSampleId :

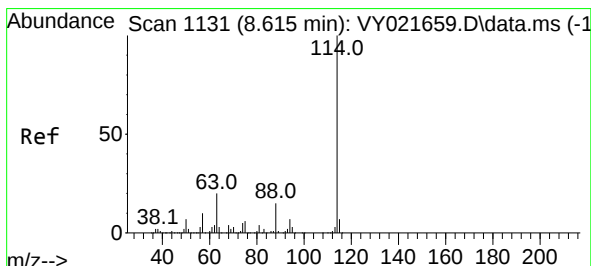
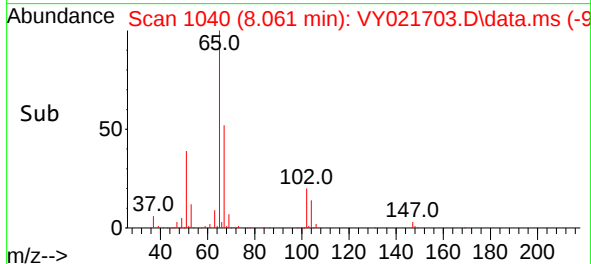
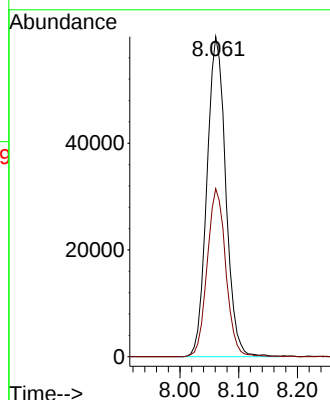
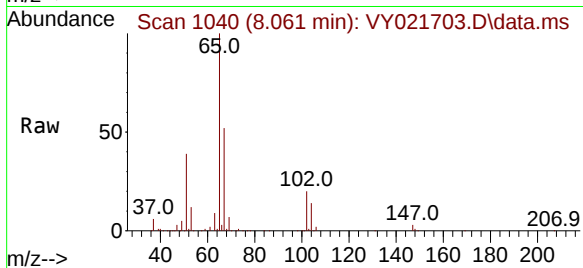
P001-BBDGA-006-01

Tgt Ion: 65 Resp: 133444

Ion Ratio Lower Upper

65 100

67 51.9 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: VY021703.D

Acq: 28 Mar 2025 19:32

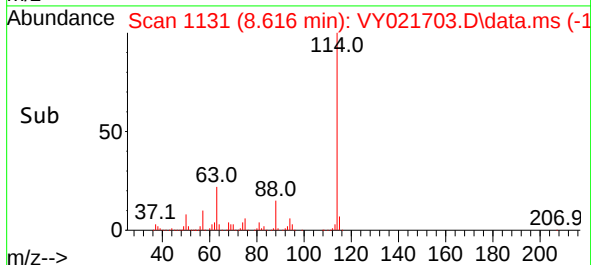
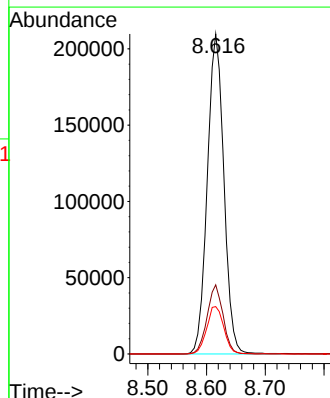
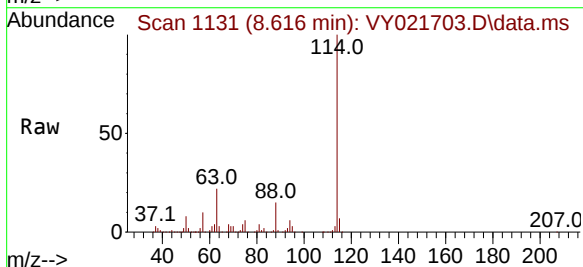
Tgt Ion: 114 Resp: 410241

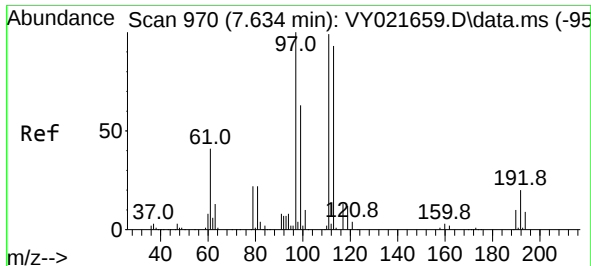
Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.2

88 14.8 0.0 29.8

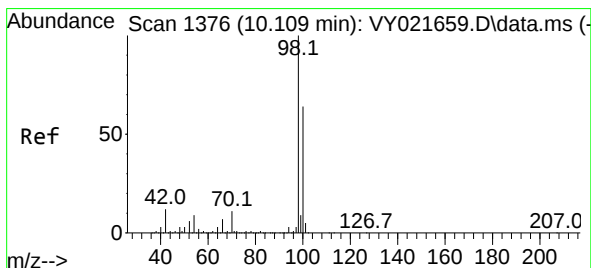
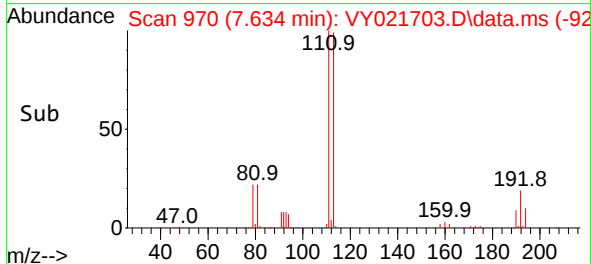
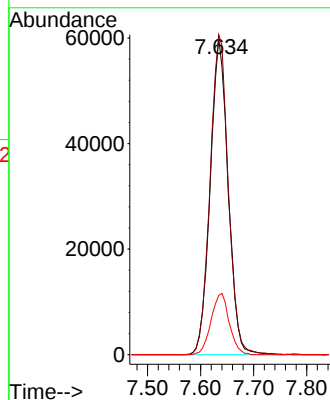
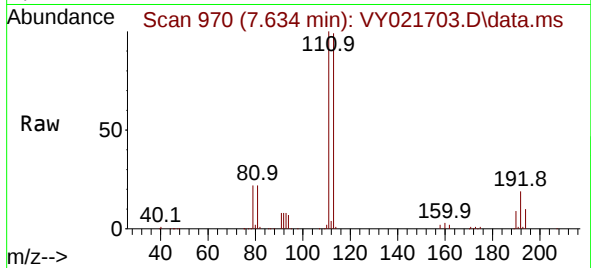




#35
Dibromofluoromethane
Concen: 52.742 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021703.D
Acq: 28 Mar 2025 19:32

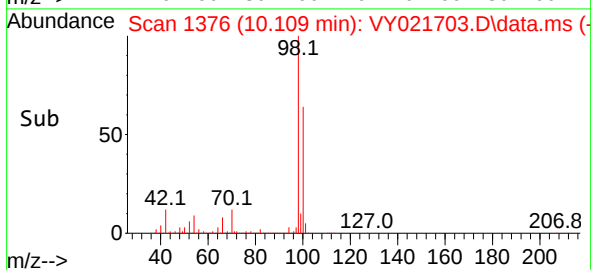
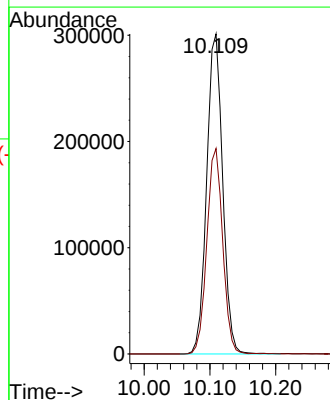
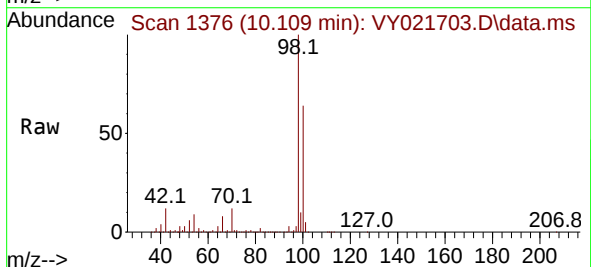
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-006-01

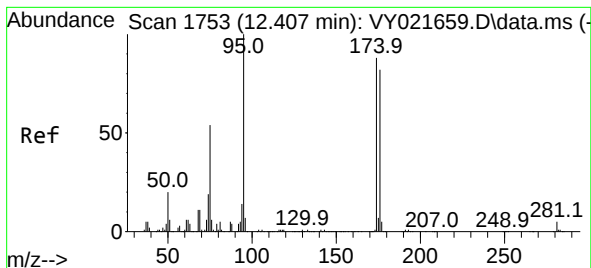
Tgt Ion:113 Resp: 140354
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 19.7 16.2 24.4



#50
Toluene-d8
Concen: 50.269 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021703.D
Acq: 28 Mar 2025 19:32

Tgt Ion: 98 Resp: 508912
Ion Ratio Lower Upper
98 100
100 63.7 52.1 78.1

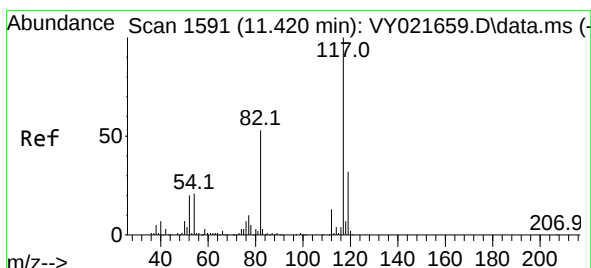
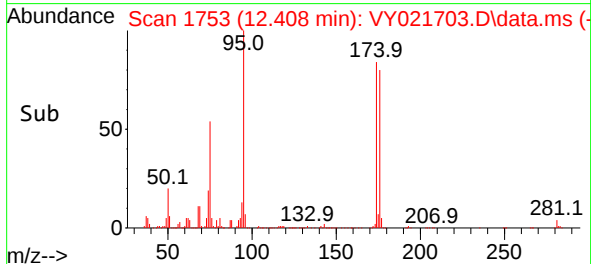
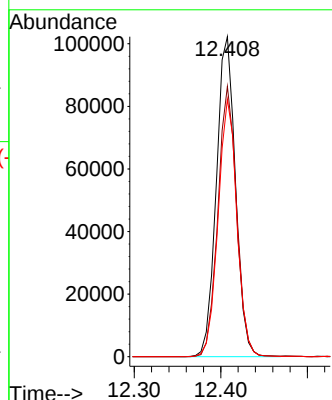
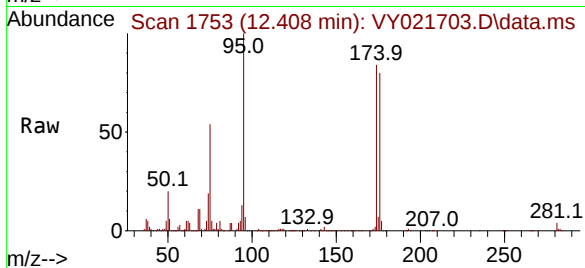




#62
4-Bromofluorobenzene
Concen: 45.729 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021703.D
Acq: 28 Mar 2025 19:32

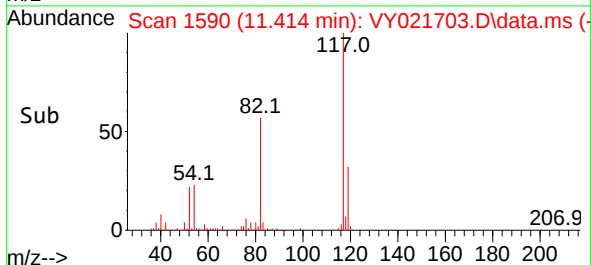
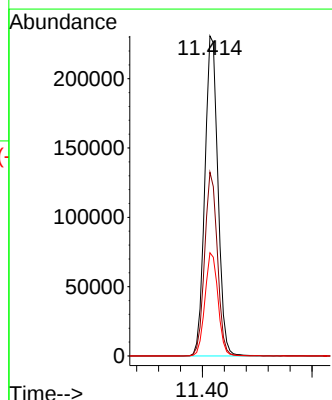
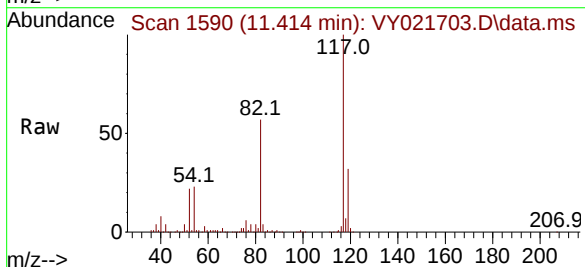
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-006-01

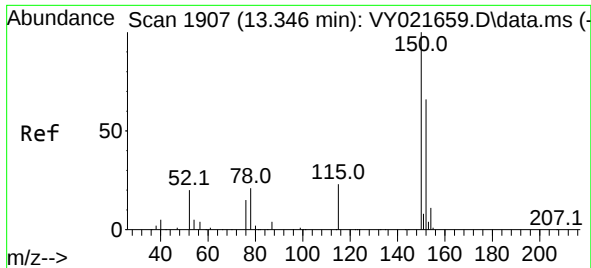
Tgt Ion: 95 Resp: 156593
Ion Ratio Lower Upper
95 100
174 83.2 0.0 170.8
176 79.2 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021703.D
Acq: 28 Mar 2025 19:32

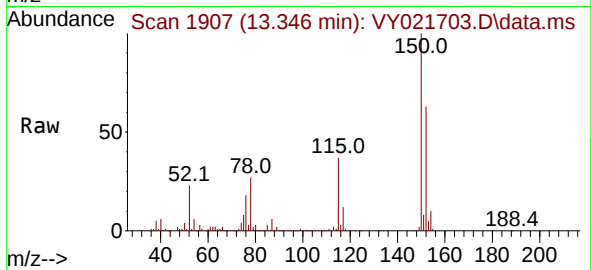
Tgt Ion: 117 Resp: 381513
Ion Ratio Lower Upper
117 100
82 57.4 42.8 64.2
119 32.3 25.7 38.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021703.D
 Acq: 28 Mar 2025 19:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-BBDGA-006-01



Tgt Ion:	152	Resp:	151297
Ion Ratio	Lower	Upper	
152	100		
115	59.1	28.8	86.5
150	155.0	0.0	348.4

