

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022163.D
 Acq On : 05 May 2025 16:42
 Operator : SY/MD
 Sample : Q1956-02
 Misc : 5.54g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB2-4-5

Quant Time: May 06 05:22:51 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)

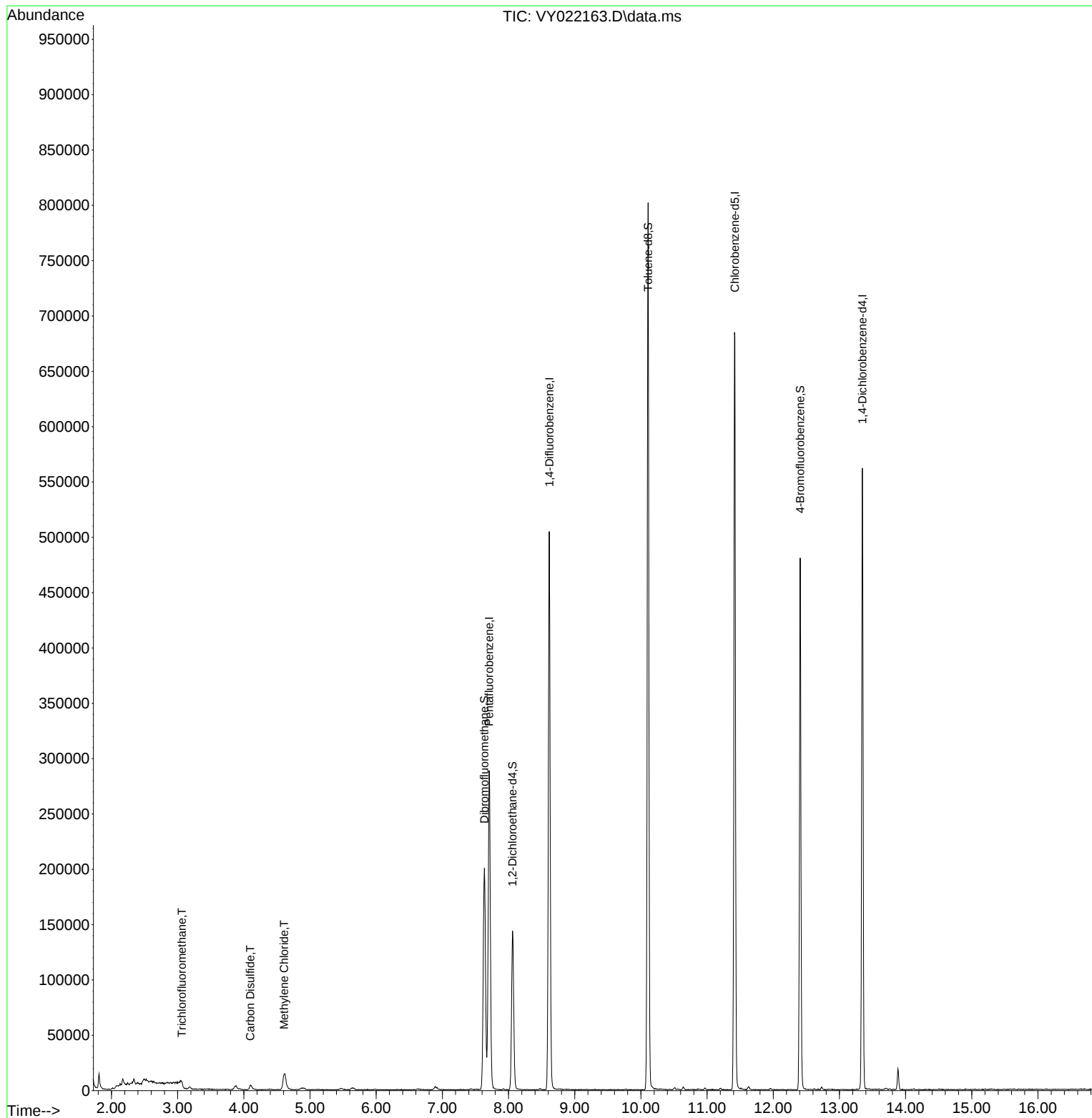
Internal Standards						
1) Pentafluorobenzene	7.707	168	219179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	426674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	385317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	140796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114049	56.334	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.660%
35) Dibromofluoromethane	7.634	113	145178	51.503	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.000%
50) Toluene-d8	10.109	98	521278	49.052	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.100%
62) 4-Bromofluorobenzene	12.407	95	141182	39.464	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.920%
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	3.062	101	5678	1.318	ug/l	91
17) Carbon Disulfide	4.098	76	7554	1.087	ug/l	98
20) Methylene Chloride	4.610	84	12033	4.700	ug/l	92

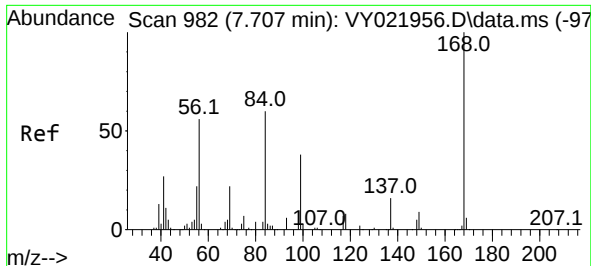
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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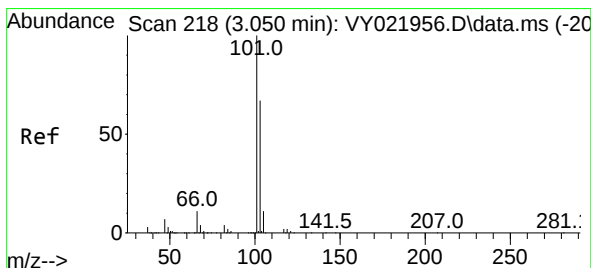
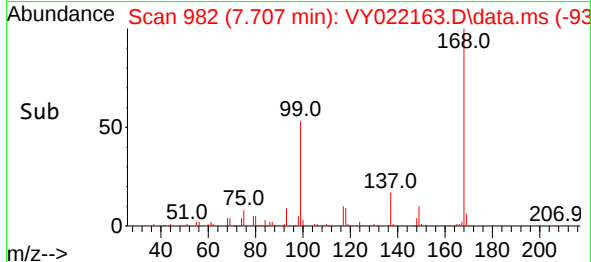
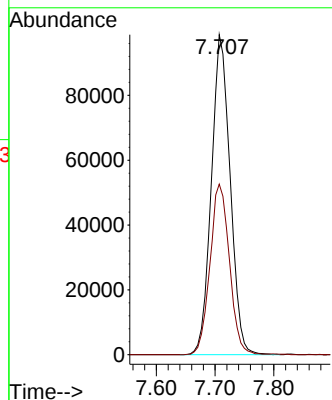
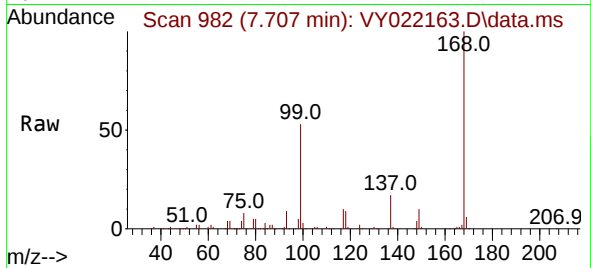




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

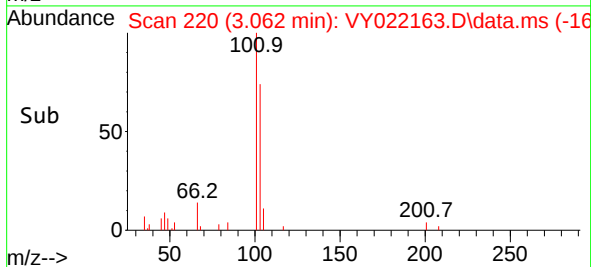
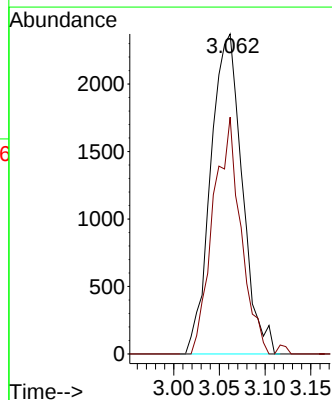
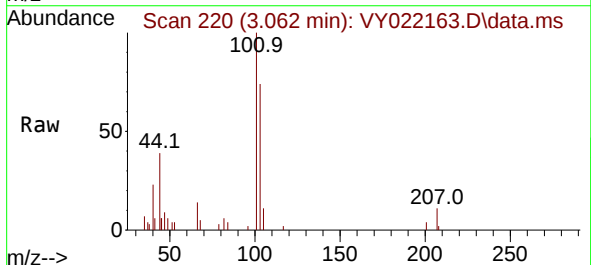
Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5

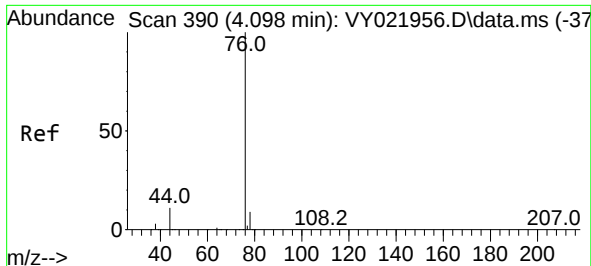
Tgt Ion:168 Resp: 219179
Ion Ratio Lower Upper
168 100
99 53.3 43.1 64.7



#7
Trichlorofluoromethane
Concen: 1.318 ug/l
RT: 3.062 min Scan# 220
Delta R.T. 0.012 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

Tgt Ion:101 Resp: 5678
Ion Ratio Lower Upper
101 100
103 74.0 53.6 80.4

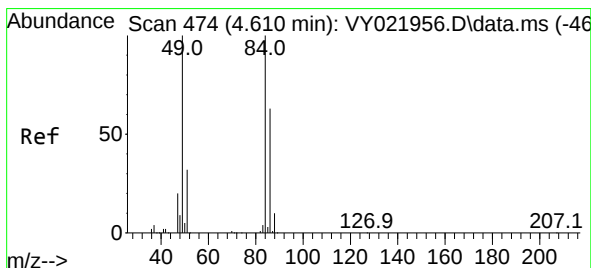
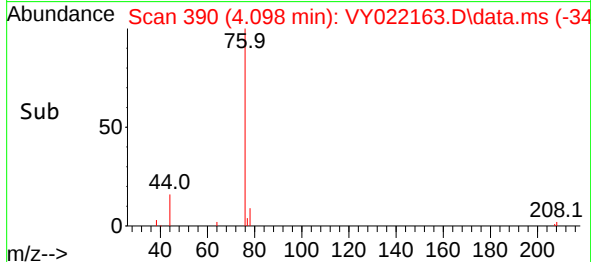
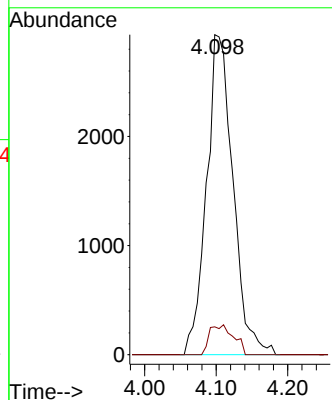
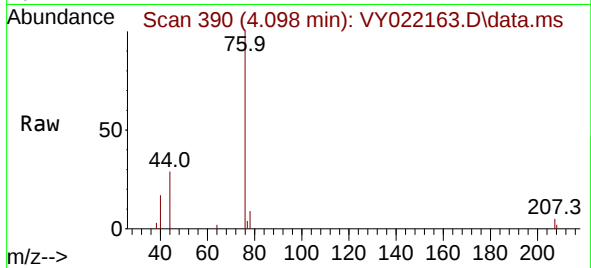




#17
Carbon Disulfide
Concen: 1.087 ug/l
RT: 4.098 min Scan# 390
Delta R.T. -0.000 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

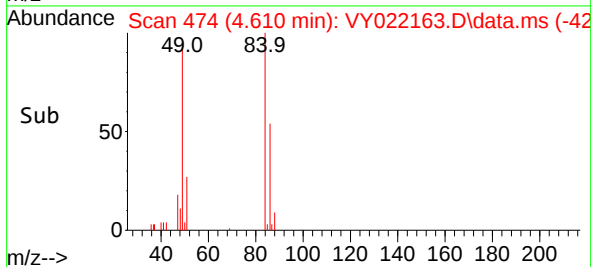
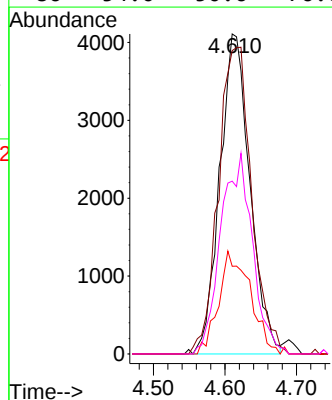
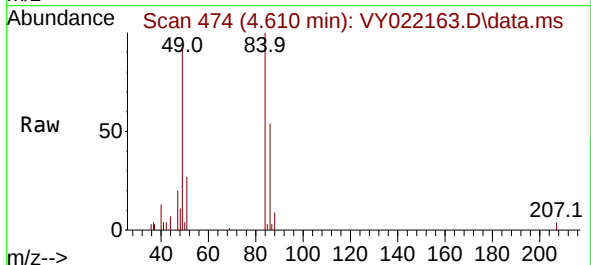
Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5

Tgt Ion: 76 Resp: 7554
Ion Ratio Lower Upper
76 100
78 8.7 7.6 11.4



#20
Methylene Chloride
Concen: 4.700 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

Tgt Ion: 84 Resp: 12033
Ion Ratio Lower Upper
84 100
49 94.8 79.9 119.9
51 27.4 25.4 38.0
86 54.0 50.6 76.0





#33

1,2-Dichloroethane-d4

Concen: 56.334 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY022163.D

Acq: 05 May 2025 16:42

Instrument :

MSVOA_Y

ClientSampleId :

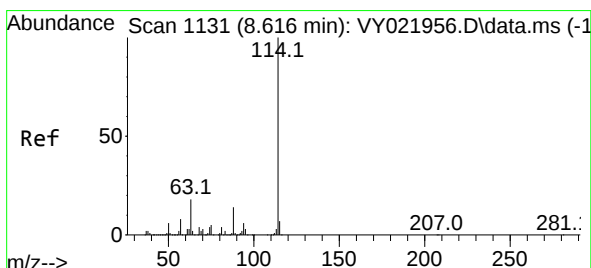
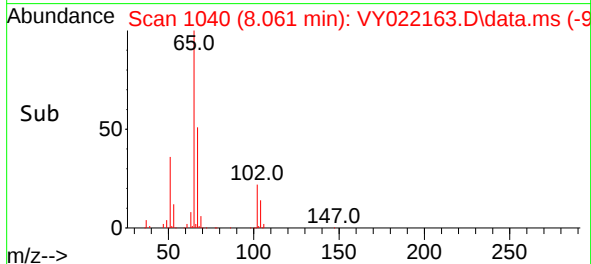
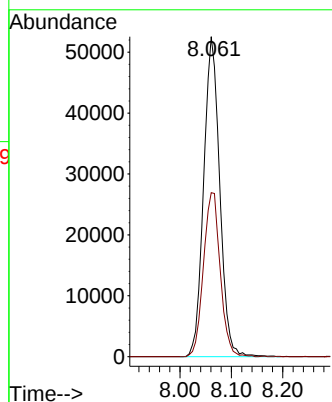
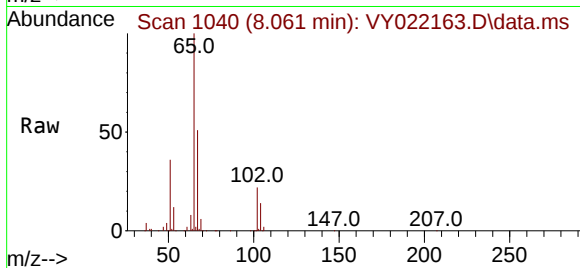
SB2-4-5

Tgt Ion: 65 Resp: 114049

Ion Ratio Lower Upper

65 100

67 53.5 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: VY022163.D

Acq: 05 May 2025 16:42

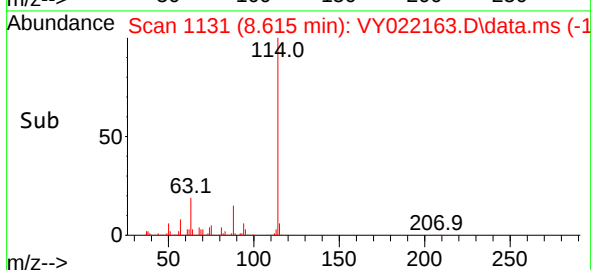
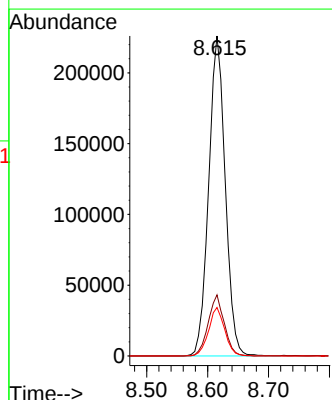
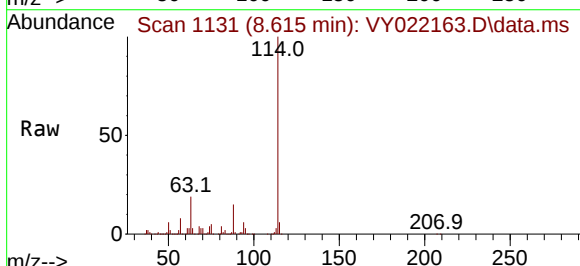
Tgt Ion: 114 Resp: 426674

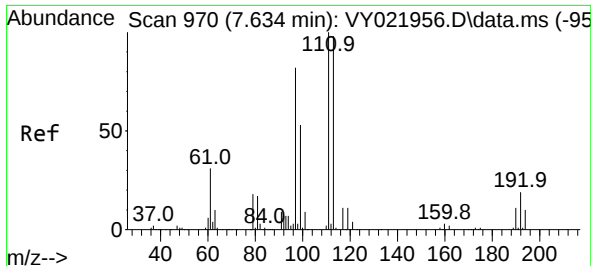
Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.4

88 15.1 0.0 28.2

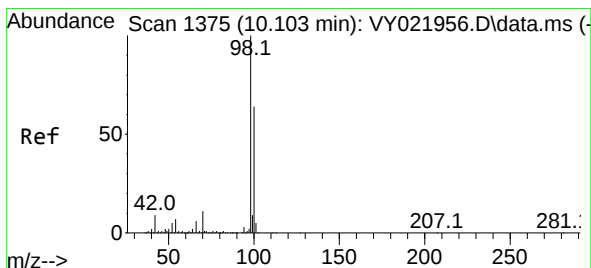
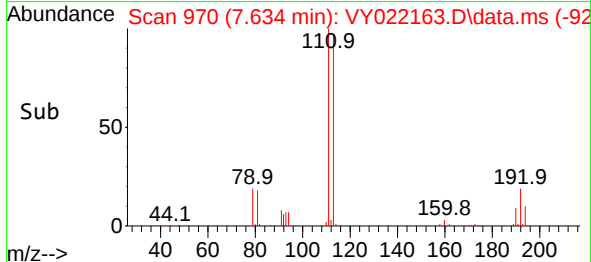
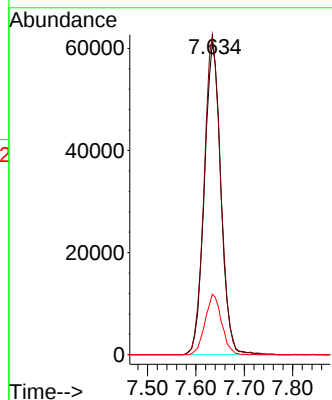
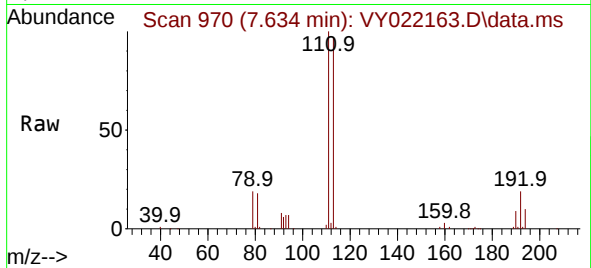




#35
Dibromofluoromethane
Concen: 51.503 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

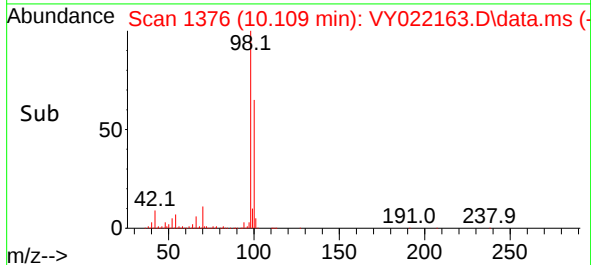
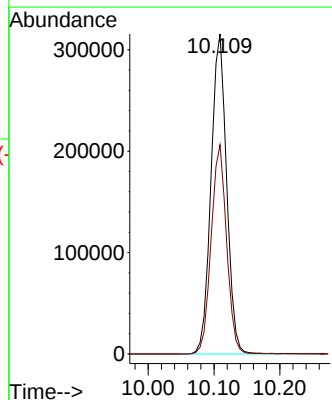
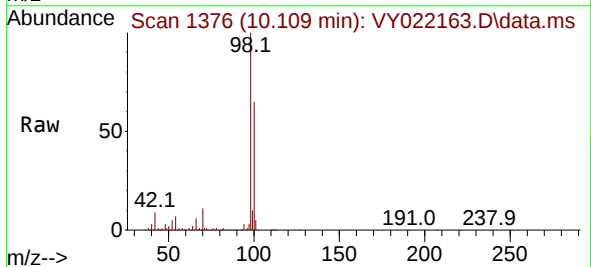
Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5

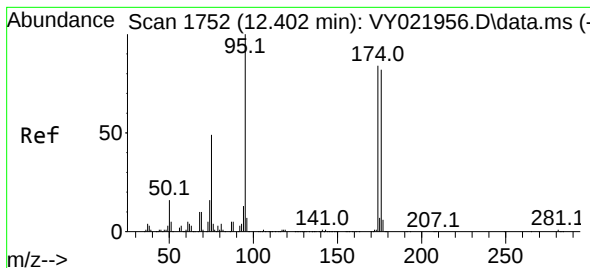
Tgt Ion:113 Resp: 145178
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.8
192 19.3 15.6 23.4



#50
Toluene-d8
Concen: 49.052 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

Tgt Ion: 98 Resp: 521278
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4

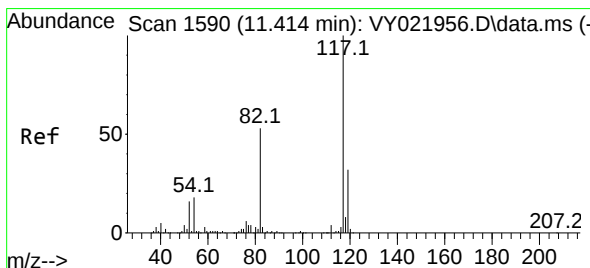
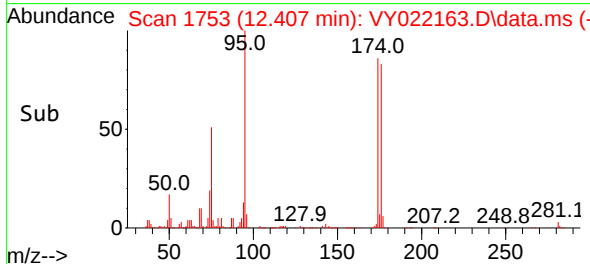
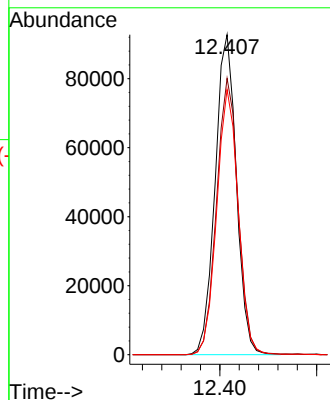
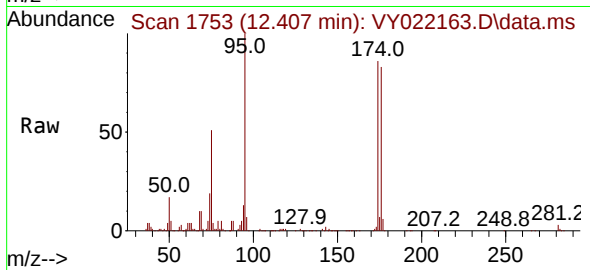




#62
4-Bromofluorobenzene
Concen: 39.464 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

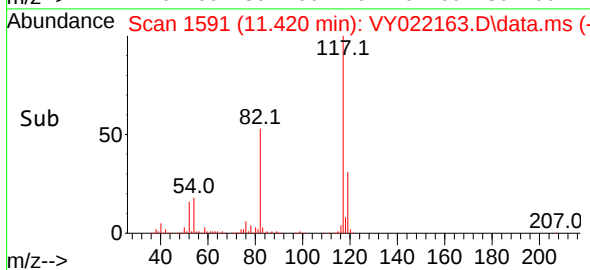
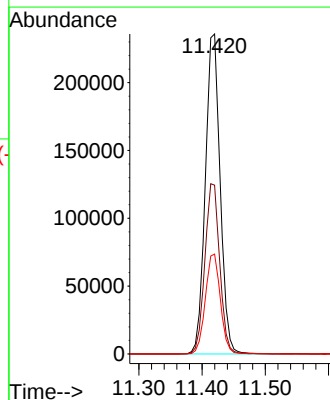
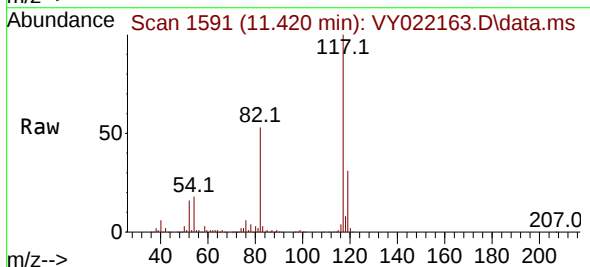
Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5

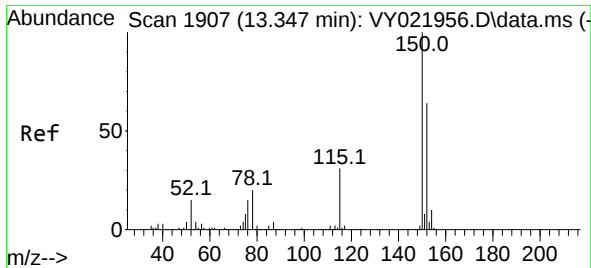
Tgt Ion: 95 Resp: 141182
Ion Ratio Lower Upper
95 100
174 87.9 0.0 179.0
176 83.8 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

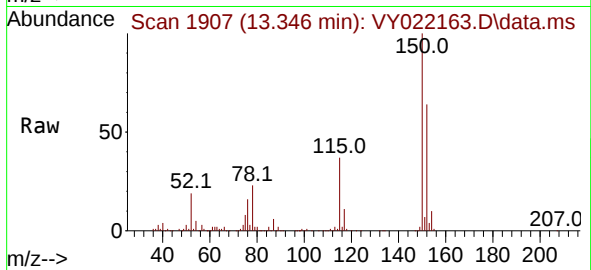
Tgt Ion: 117 Resp: 385317
Ion Ratio Lower Upper
117 100
82 52.8 42.1 63.1
119 31.2 25.7 38.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022163.D
 Acq: 05 May 2025 16:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB2-4-5



Tgt Ion:152 Resp: 140796
 Ion Ratio Lower Upper
 152 100
 115 58.3 28.0 84.0
 150 157.4 0.0 345.6

