

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013025\
 Data File : VY020994.D
 Acq On : 30 Jan 2025 18:28
 Operator : SY/MD
 Sample : Q1216-13
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 31 04:44:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 31 02:19:37 2025
 Response via : Initial Calibration

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

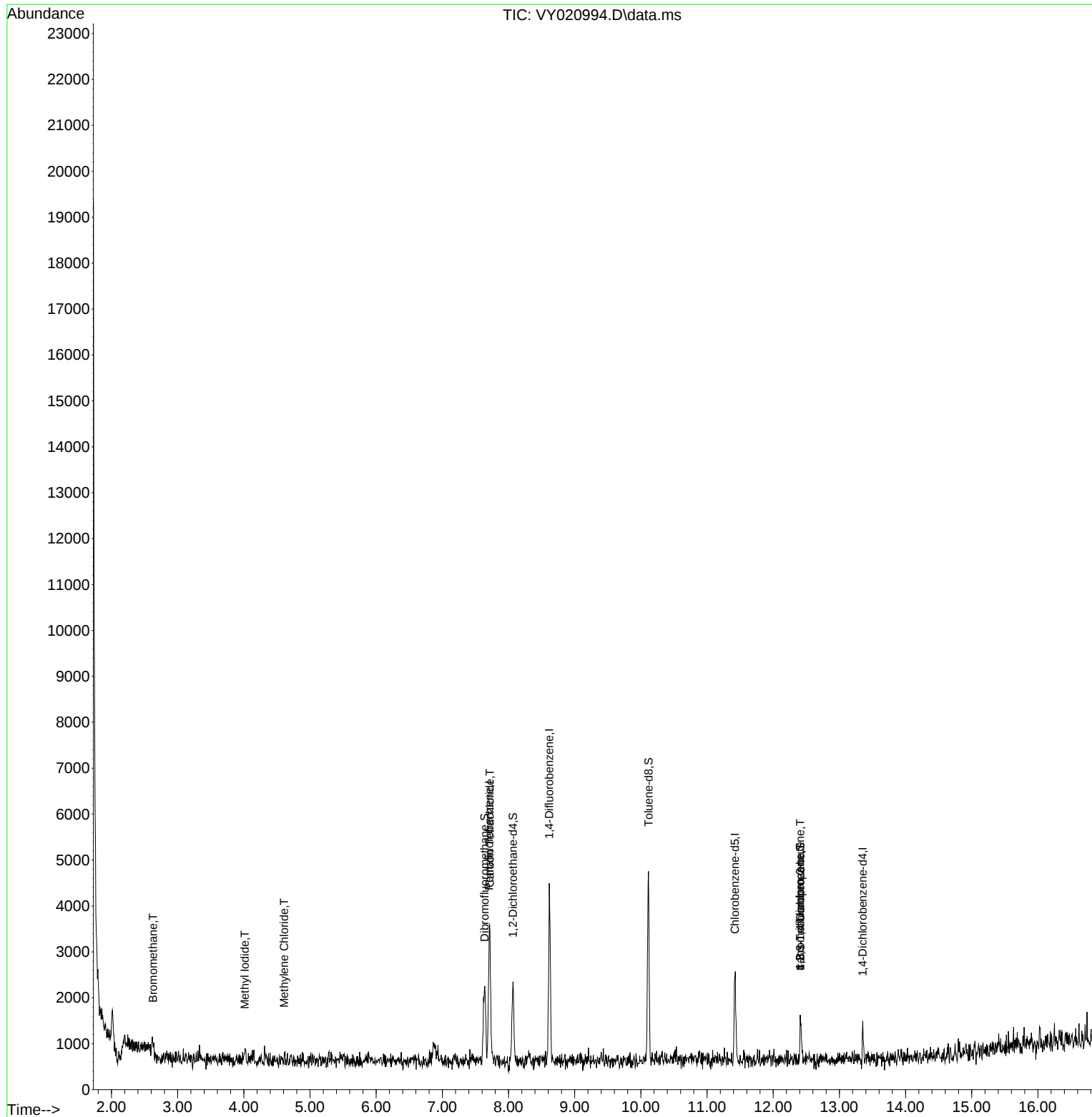
Internal Standards						
1) Pentafluorobenzene	7.707	168	2901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	4087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	260	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	1537	62.228	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.460%	
35) Dibromofluoromethane	7.640	113	1405	57.183	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.360%	
50) Toluene-d8	10.115	98	3285	34.255	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 68.500%	
62) 4-Bromofluorobenzene	12.407	95	241	7.489	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 14.980%#	
Target Compounds						
					Qvalue	
5) Bromomethane	2.629	94	117	10.689	ug/l #	1
10) Methyl Iodide	4.013	142	309	10.277	ug/l #	54
20) Methylene Chloride	4.610	84	49	1.974	ug/l #	10
38) Carbon Tetrachloride	7.719	117	244	5.625	ug/l #	13
76) 1,2,3-Trichloropropane	12.407	75	134	65.105	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	134	135.146	ug/l #	15

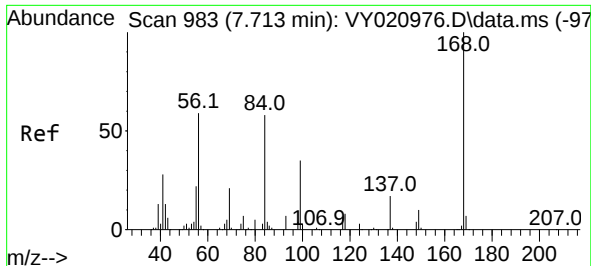
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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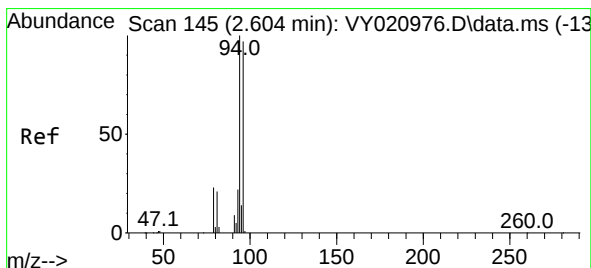
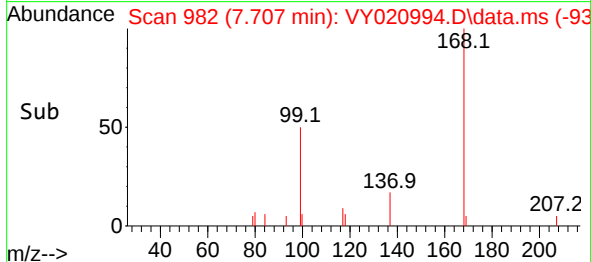
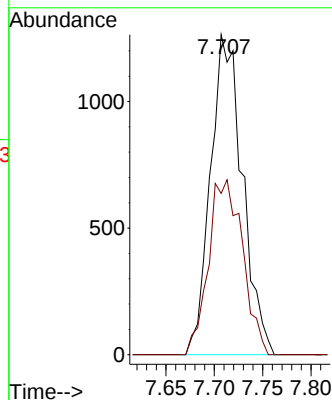
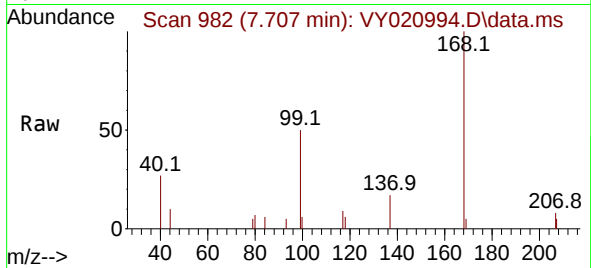




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020994.D
Acq: 30 Jan 2025 18:28

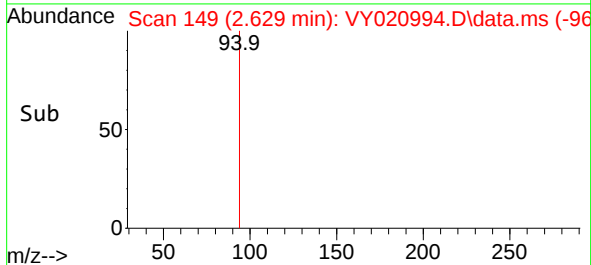
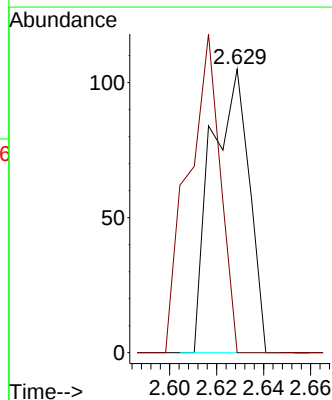
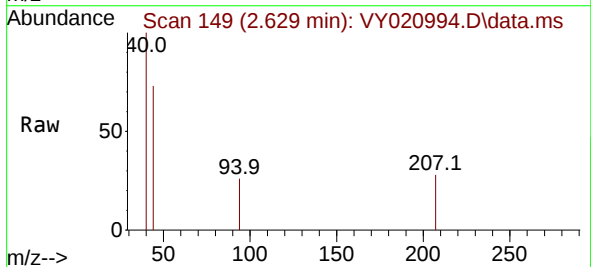
Instrument :
MSVOA_Y
ClientSampleId :

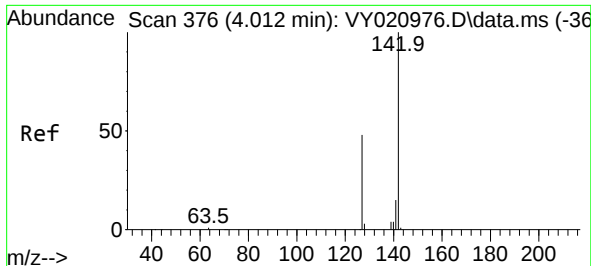
Tgt Ion:168 Resp: 2901
Ion Ratio Lower Upper
168 100
99 50.4 42.2 63.2



#5
Bromomethane
Concen: 10.689 ug/l
RT: 2.629 min Scan# 149
Delta R.T. 0.025 min
Lab File: VY020994.D
Acq: 30 Jan 2025 18:28

Tgt Ion: 94 Resp: 117
Ion Ratio Lower Upper
94 100
96 0.0 77.4 116.0#





#10

Methyl Iodide

Concen: 10.277 ug/l

RT: 4.013 min Scan# 31

Delta R.T. 0.000 min

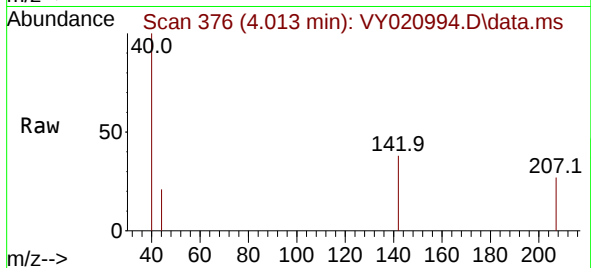
Lab File: VY020994.D

Acq: 30 Jan 2025 18:28

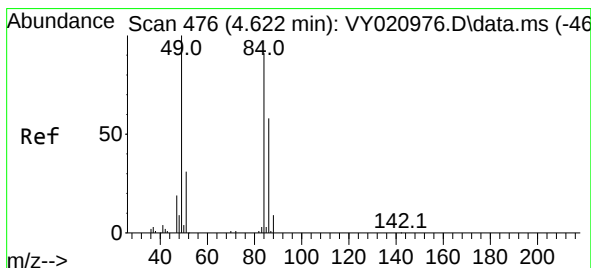
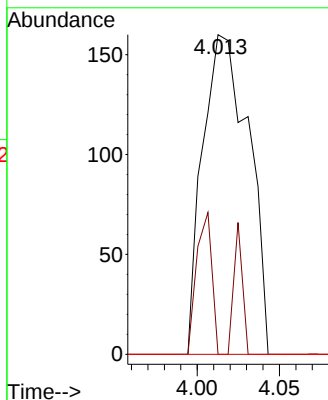
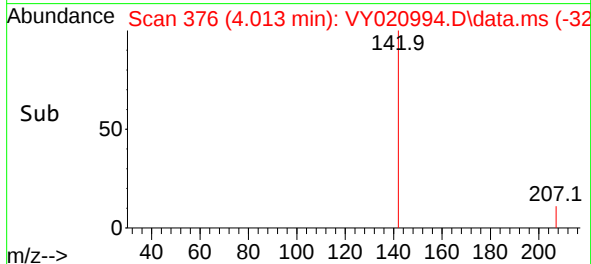
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	142	Resp:	309
Ion	Ratio	Lower	Upper
142	100		
127	14.9	38.9	58.3#
141	0.0	11.7	17.5#



#20

Methylene Chloride

Concen: 1.974 ug/l

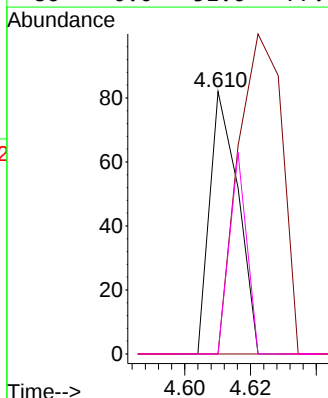
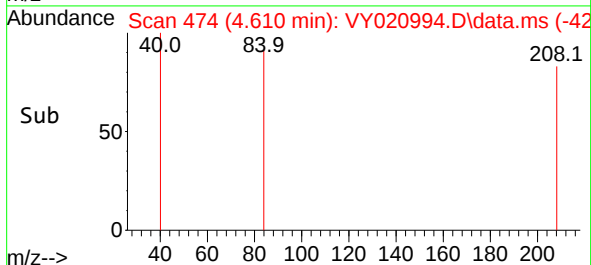
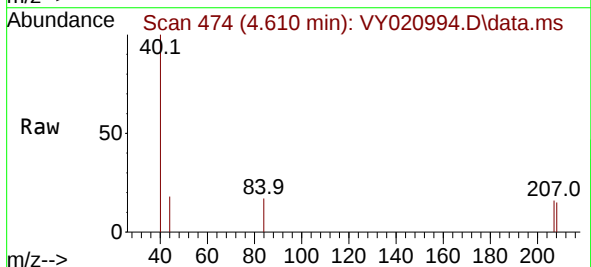
RT: 4.610 min Scan# 474

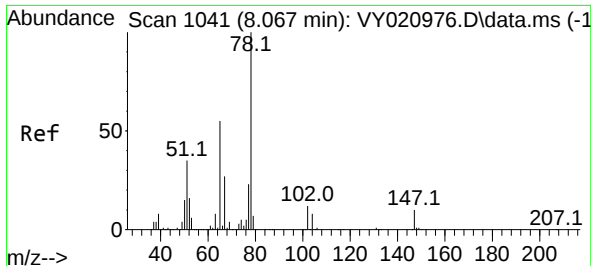
Delta R.T. -0.012 min

Lab File: VY020994.D

Acq: 30 Jan 2025 18:28

Tgt Ion:	84	Resp:	49
Ion	Ratio	Lower	Upper
84	100		
49	0.0	88.3	132.5#
51	0.0	27.7	41.5#
86	0.0	51.6	77.4#





#33

1,2-Dichloroethane-d4

Concen: 62.228 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY020994.D

Acq: 30 Jan 2025 18:28

Instrument :

MSVOA_Y

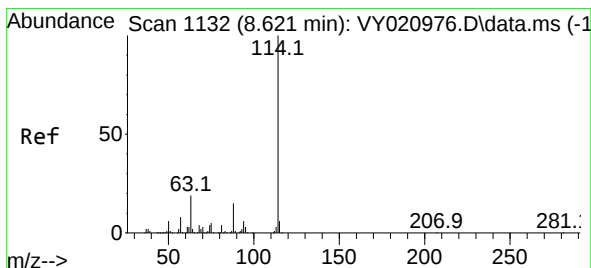
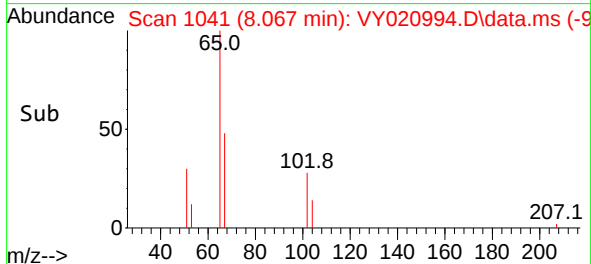
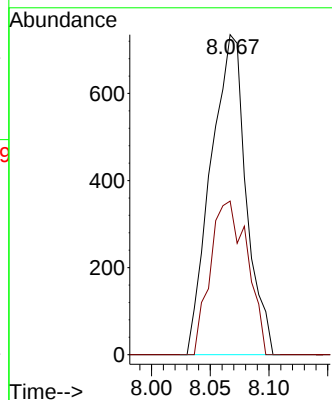
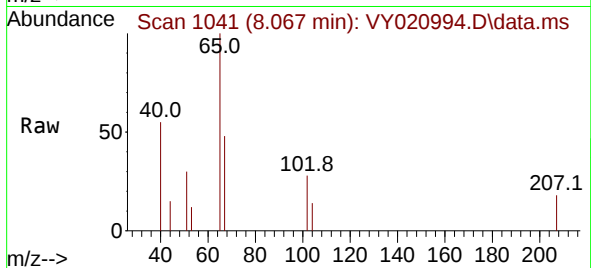
ClientSampleId :

Tgt Ion: 65 Resp: 1537

Ion Ratio Lower Upper

65 100

67 50.2 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY020994.D

Acq: 30 Jan 2025 18:28

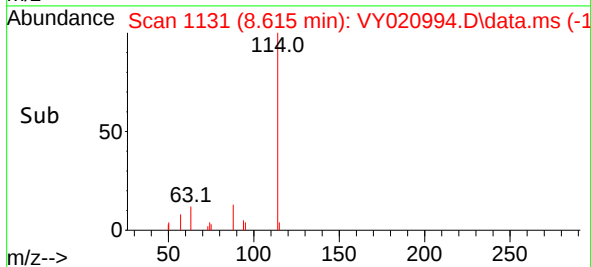
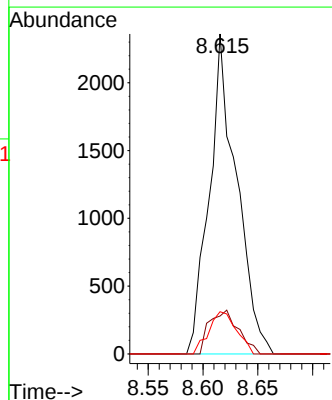
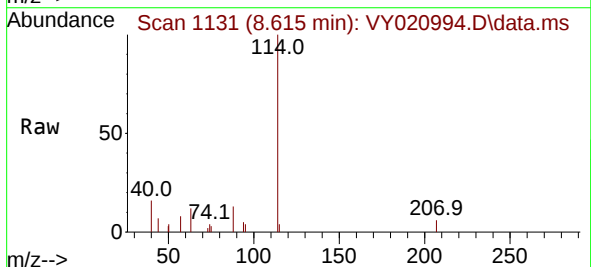
Tgt Ion: 114 Resp: 4087

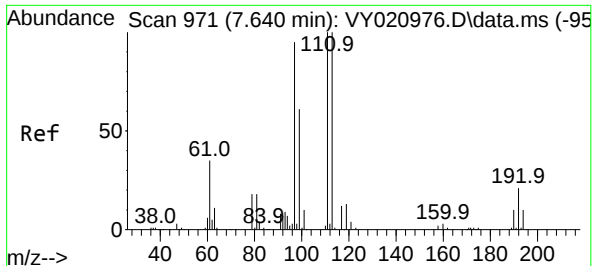
Ion Ratio Lower Upper

114 100

63 11.8 0.0 37.2

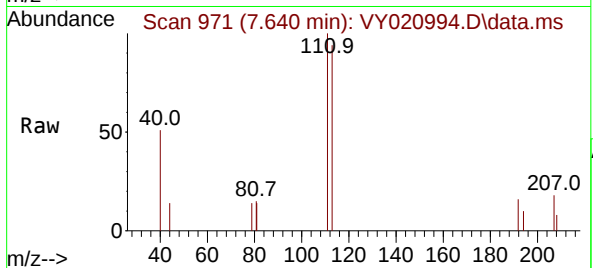
88 13.2 0.0 29.6



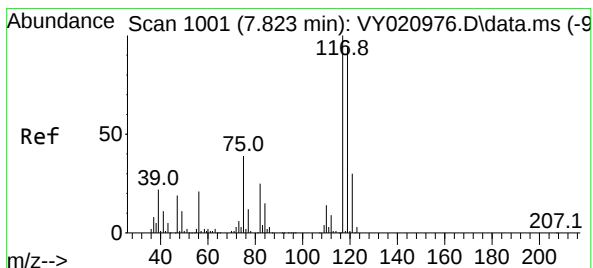
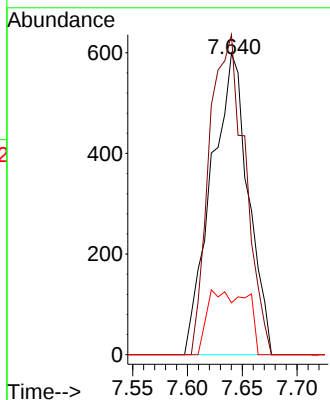
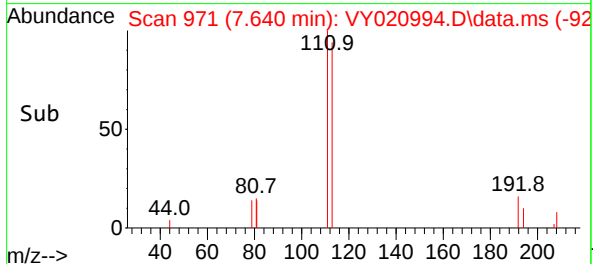


#35
Dibromofluoromethane
Concen: 57.183 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020994.D
Acq: 30 Jan 2025 18:28

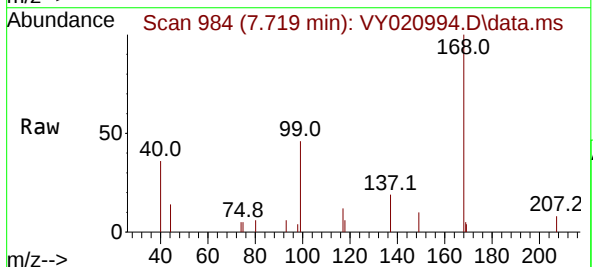
Instrument :
MSVOA_Y
ClientSampleId :



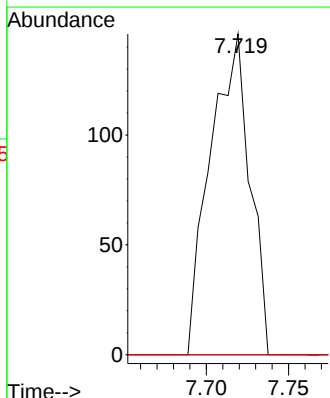
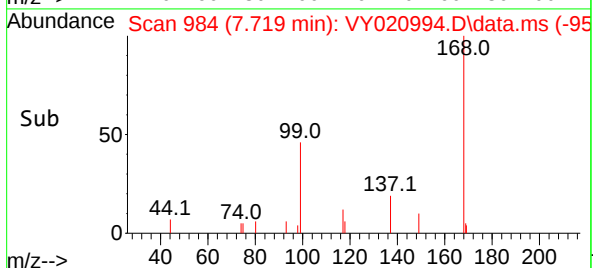
Tgt Ion:113 Resp: 1405
Ion Ratio Lower Upper
113 100
111 102.4 82.6 123.8
192 13.9 16.8 25.2#

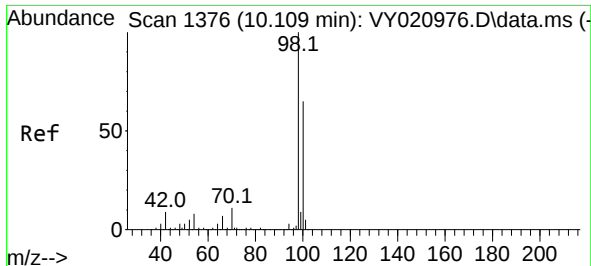


#38
Carbon Tetrachloride
Concen: 5.625 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.103 min
Lab File: VY020994.D
Acq: 30 Jan 2025 18:28



Tgt Ion:117 Resp: 244
Ion Ratio Lower Upper
117 100
119 0.0 75.0 112.6#
121 0.0 24.2 36.2#

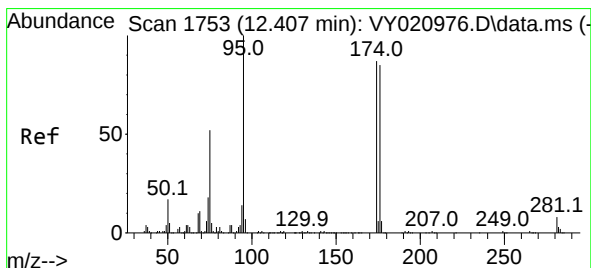
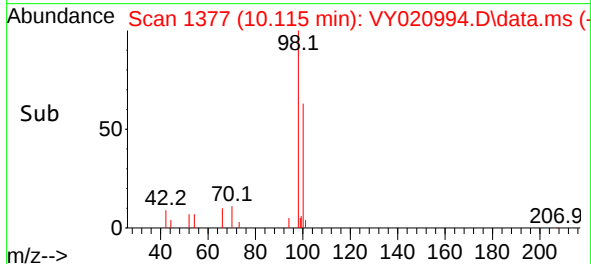
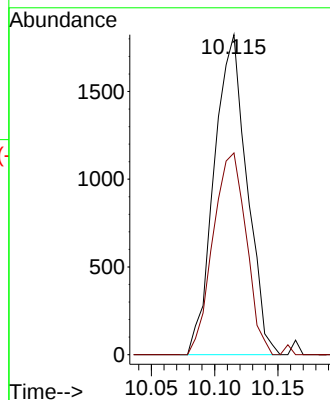
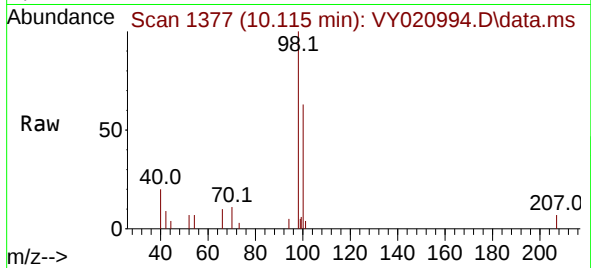




#50
Toluene-d8
Concen: 34.255 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020994.D
Acq: 30 Jan 2025 18:28

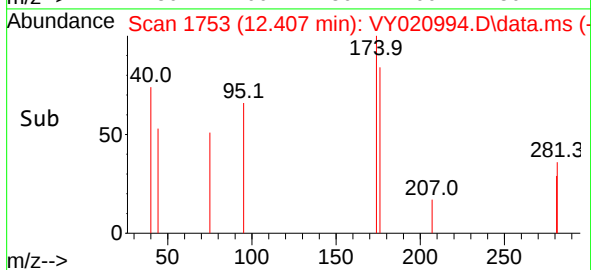
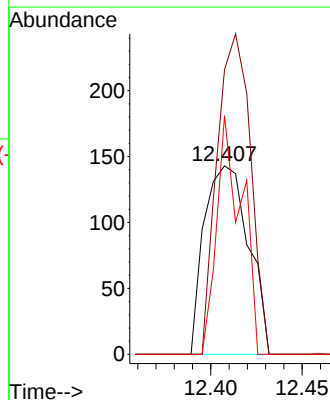
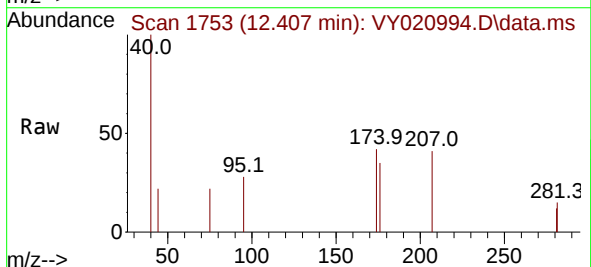
Instrument :
MSVOA_Y
ClientSampleId :

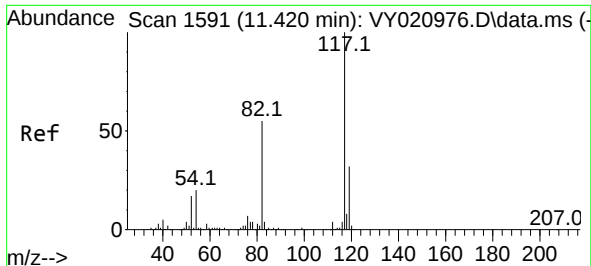
Tgt Ion: 98 Resp: 3285
Ion Ratio Lower Upper
98 100
100 63.9 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 7.489 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020994.D
Acq: 30 Jan 2025 18:28

Tgt Ion: 95 Resp: 241
Ion Ratio Lower Upper
95 100
174 128.6 0.0 181.2
176 72.2 0.0 175.2

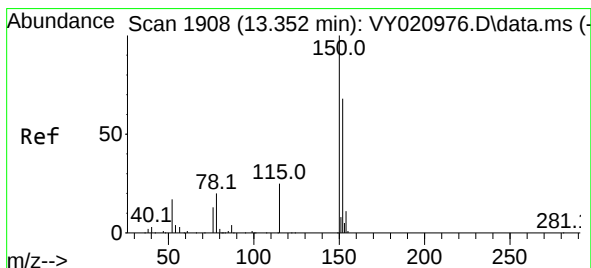
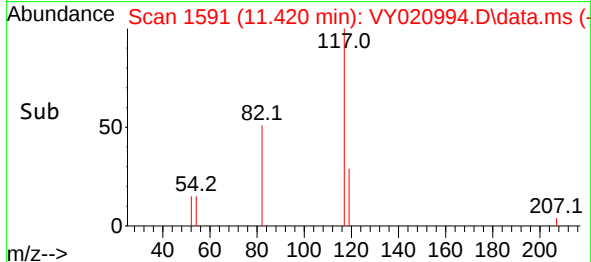
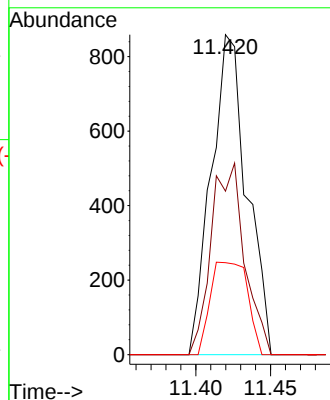
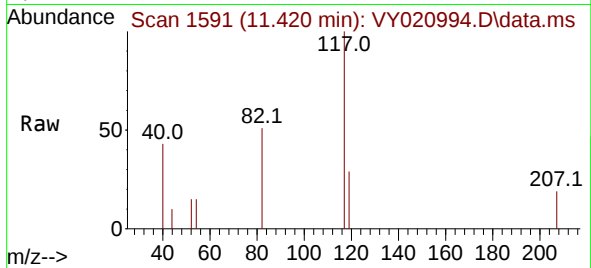




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY020994.D
Acq: 30 Jan 2025 18:28

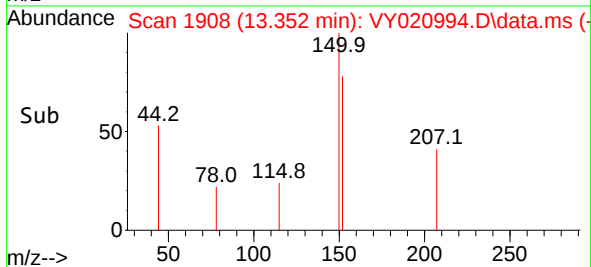
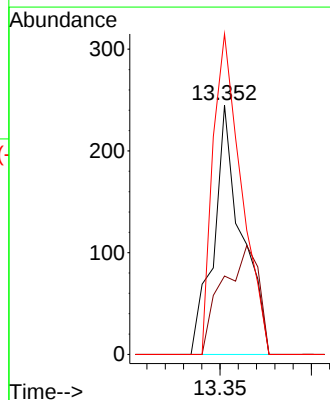
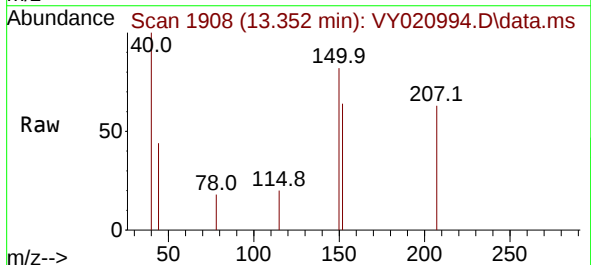
Instrument :
MSVOA_Y
ClientSampleId :

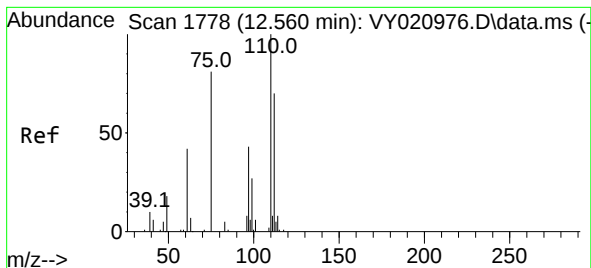
Tgt Ion:117 Resp: 1427
Ion Ratio Lower Upper
117 100
82 51.1 44.2 66.2
119 28.8 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020994.D
Acq: 30 Jan 2025 18:28

Tgt Ion:152 Resp: 260
Ion Ratio Lower Upper
152 100
115 56.2 28.4 85.2
150 131.5 0.0 342.8

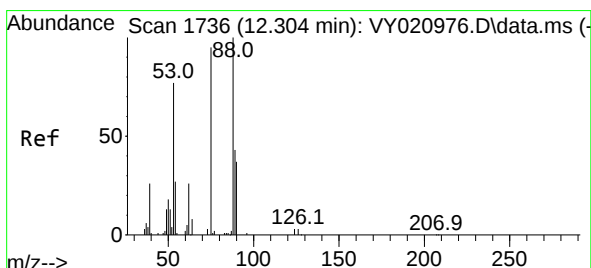
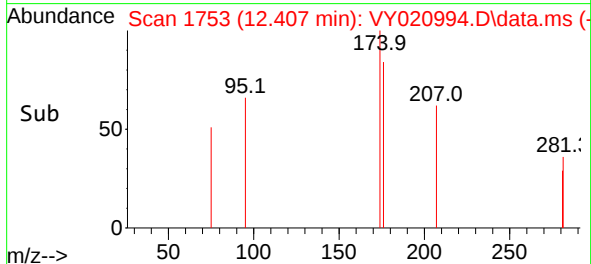
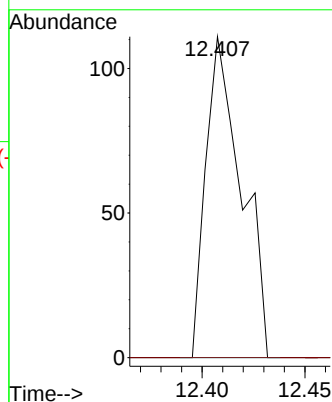
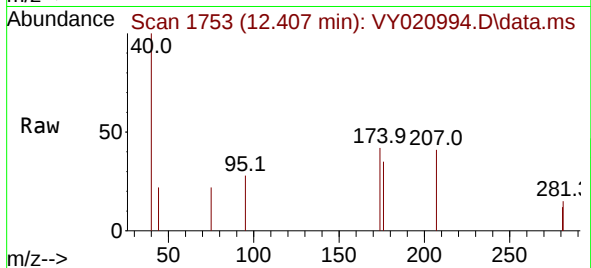




#76
1,2,3-Trichloropropane
Concen: 65.105 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY020994.D
Acq: 30 Jan 2025 18:28

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 134
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 135.146 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY020994.D
Acq: 30 Jan 2025 18:28

Tgt Ion: 75 Resp: 134
Ion Ratio Lower Upper
75 100
53 0.0 68.6 103.0#
89 0.0 38.1 57.1#

