

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011725\
 Data File : VY020864.D
 Acq On : 17 Jan 2025 18:41
 Operator : SY/MD
 Sample : Q1099-01RE
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 17 23:30:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

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

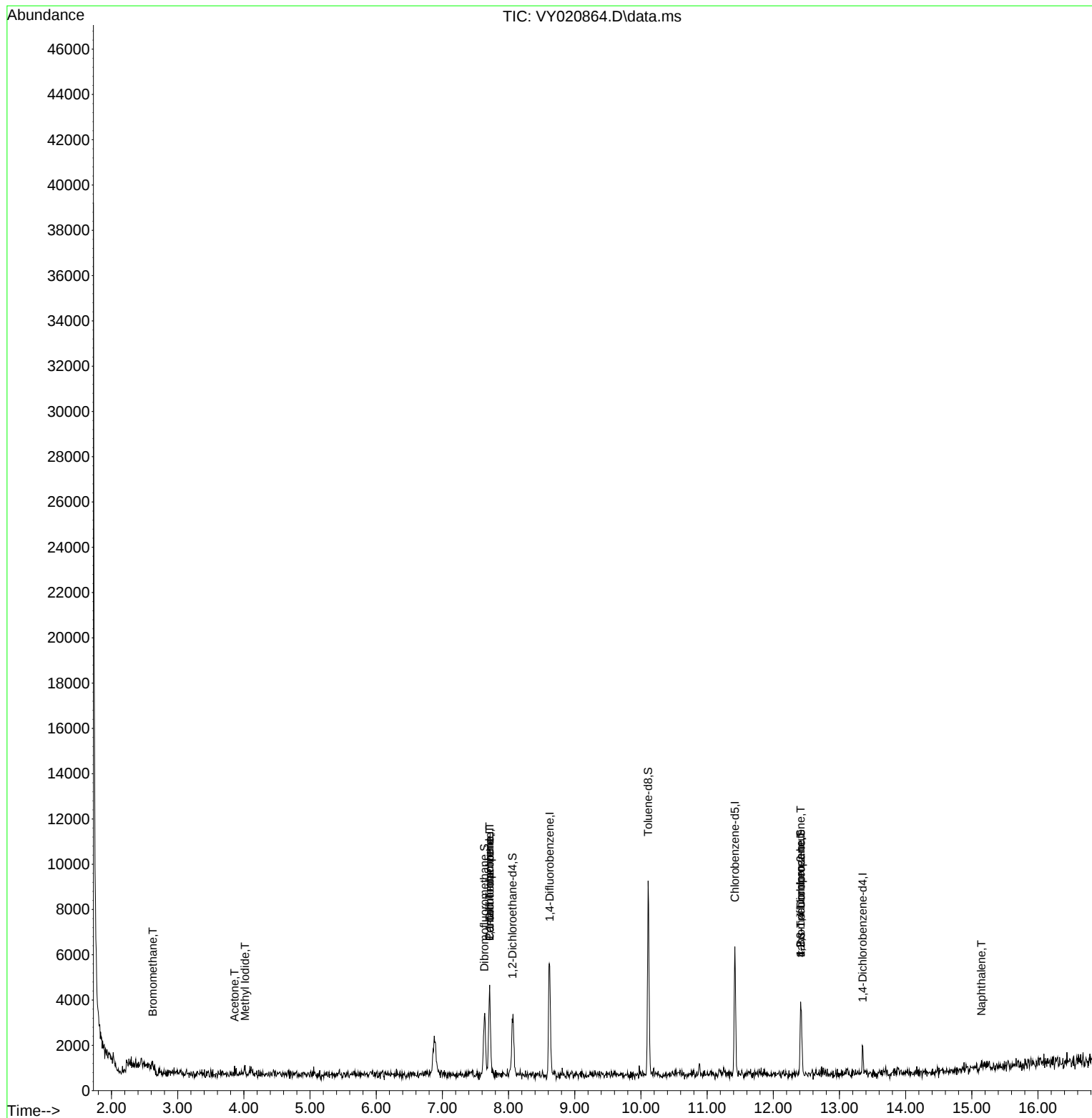
Internal Standards						
1) Pentafluorobenzene	7.713	168	3613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	5683	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	3568	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	2144	69.816	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.640%	
35) Dibromofluoromethane	7.634	113	2122	59.601	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.200%	
50) Toluene-d8	10.109	98	5932	47.795	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.580%	
62) 4-Bromofluorobenzene	12.413	95	621	13.549	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 27.100%#	
Target Compounds						
					Qvalue	
5) Bromomethane	2.623	94	107	9.680	ug/l #	77
10) Methyl Iodide	4.019	142	260	7.542	ug/l #	58
16) Acetone	3.860	43	170	38.929	ug/l #	41
36) 1,1-Dichloropropene	7.713	75	170	3.743	ug/l #	40
38) Carbon Tetrachloride	7.713	117	344	5.442	ug/l #	12
76) 1,2,3-Trichloropropane	12.413	75	310	109.689	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.413	75	310	231.282	ug/l #	14
95) Naphthalene	15.145	128	493	51.858	ug/l #	83

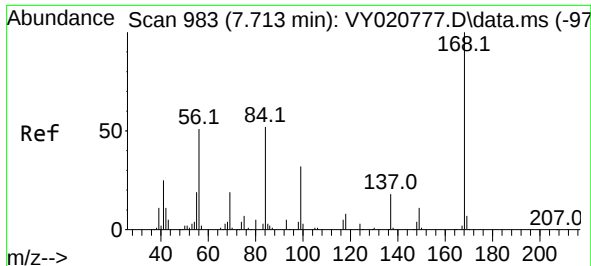
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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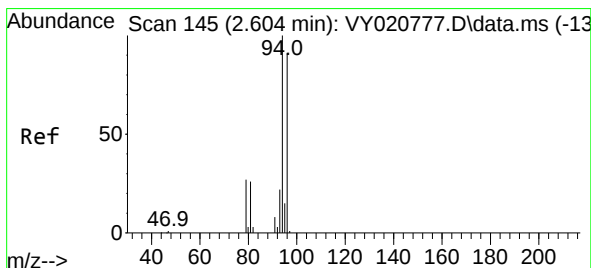
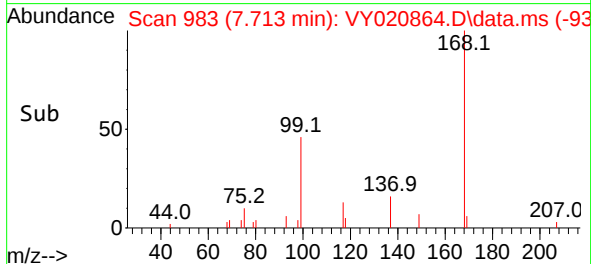
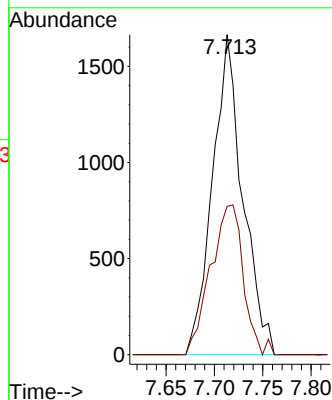
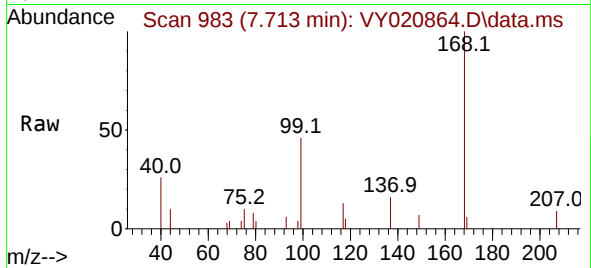




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020864.D
Acq: 17 Jan 2025 18:41

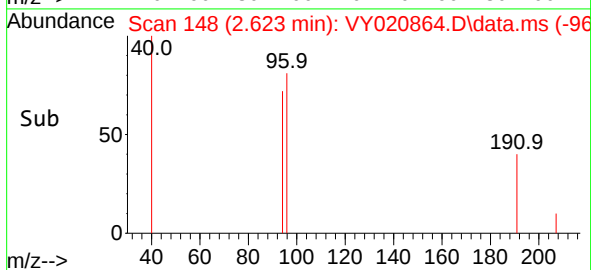
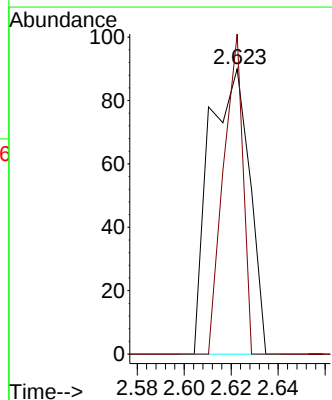
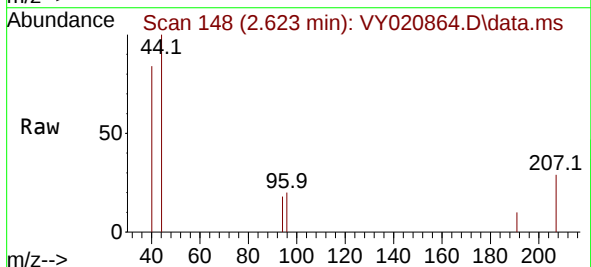
Instrument :
MSVOA_Y
ClientSampleId :

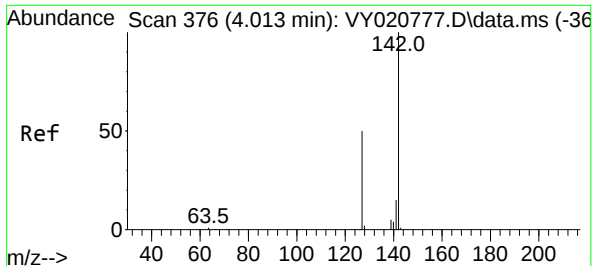
Tgt Ion:168 Resp: 3613
Ion Ratio Lower Upper
168 100
99 46.4 44.3 66.5



#5
Bromomethane
Concen: 9.680 ug/l
RT: 2.623 min Scan# 148
Delta R.T. 0.018 min
Lab File: VY020864.D
Acq: 17 Jan 2025 18:41

Tgt Ion: 94 Resp: 107
Ion Ratio Lower Upper
94 100
96 112.2 72.6 109.0#





#10

Methyl Iodide

Concen: 7.542 ug/l

RT: 4.019 min Scan# 31

Delta R.T. 0.006 min

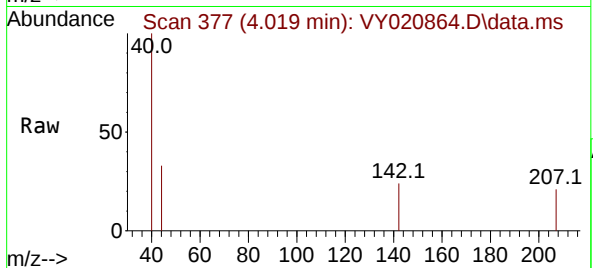
Lab File: VY020864.D

Acq: 17 Jan 2025 18:41

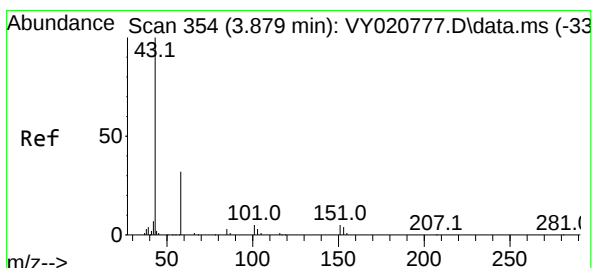
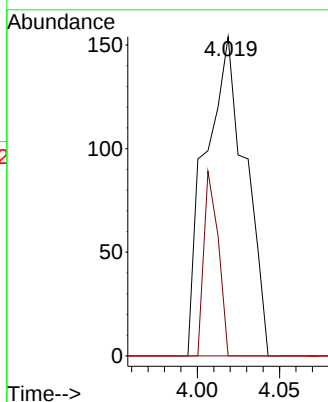
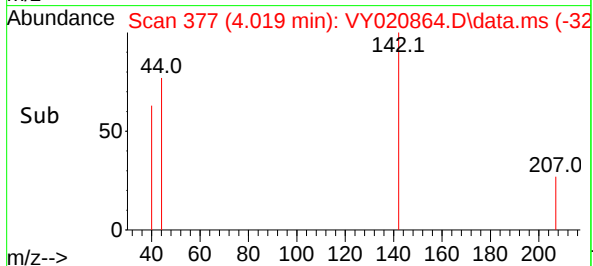
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	142	Resp:	260
Ion	Ratio	Lower	Upper
142	100		
127	20.8	41.0	61.6#
141	0.0	11.6	17.4#



#16

Acetone

Concen: 38.929 ug/l

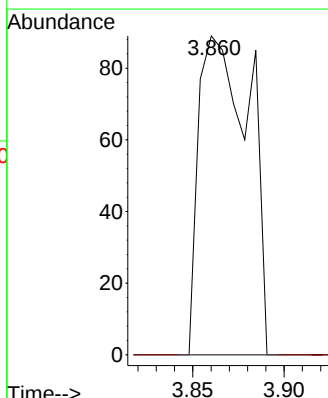
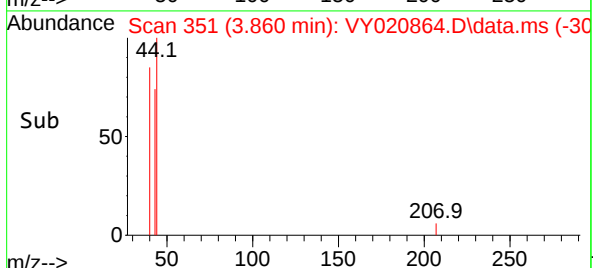
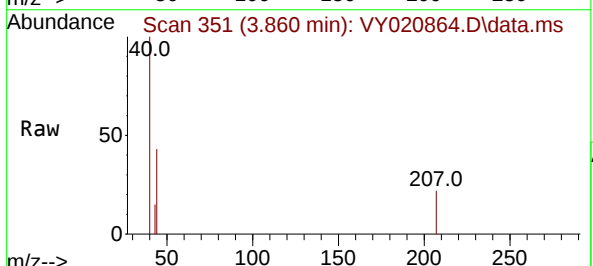
RT: 3.860 min Scan# 351

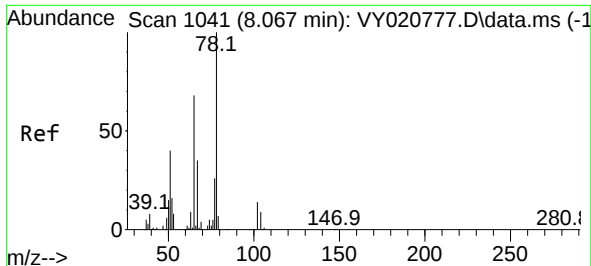
Delta R.T. -0.018 min

Lab File: VY020864.D

Acq: 17 Jan 2025 18:41

Tgt Ion:	43	Resp:	170
Ion	Ratio	Lower	Upper
43	100		
58	0.0	26.7	40.1#





#33

1,2-Dichloroethane-d4

Concen: 69.816 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VY020864.D

Acq: 17 Jan 2025 18:41

Instrument :

MSVOA_Y

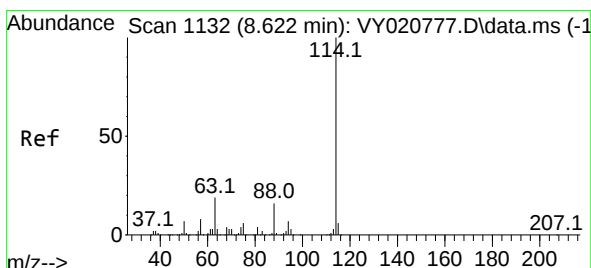
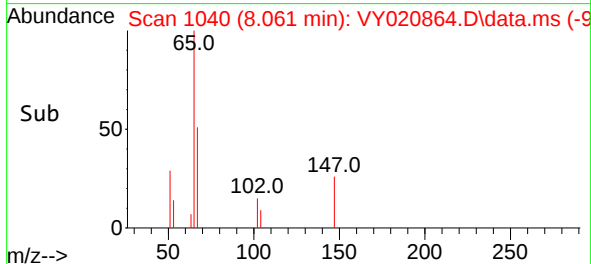
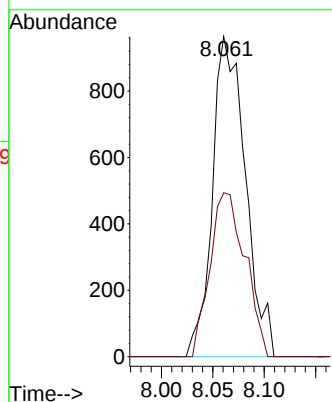
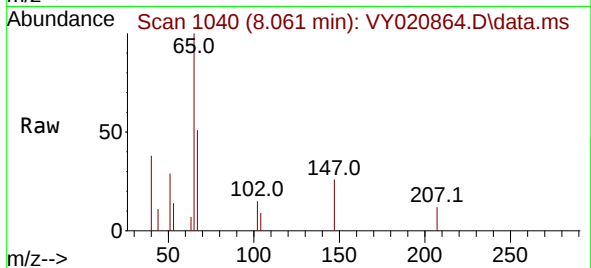
ClientSampleId :

Tgt Ion: 65 Resp: 2144

Ion Ratio Lower Upper

65 100

67 54.9 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY020864.D

Acq: 17 Jan 2025 18:41

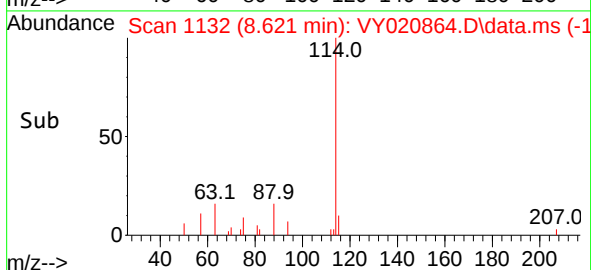
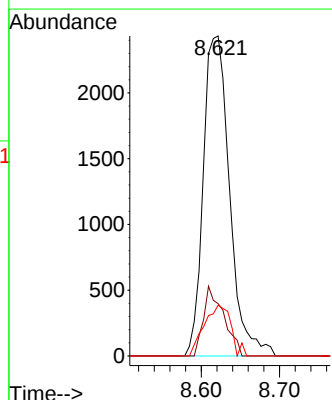
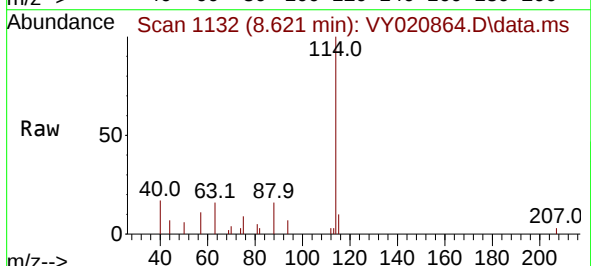
Tgt Ion: 114 Resp: 5683

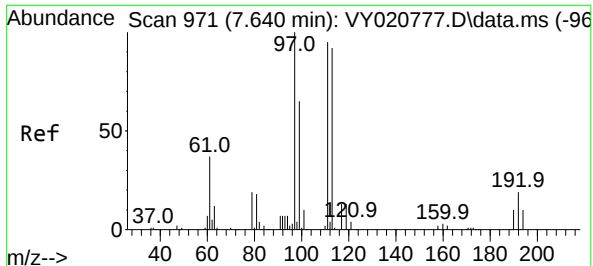
Ion Ratio Lower Upper

114 100

63 16.4 0.0 38.4

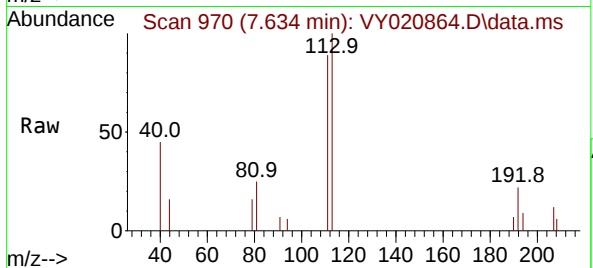
88 15.9 0.0 31.2



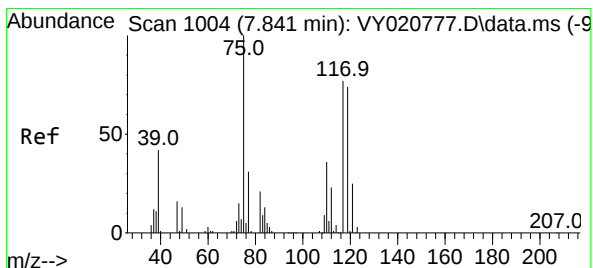
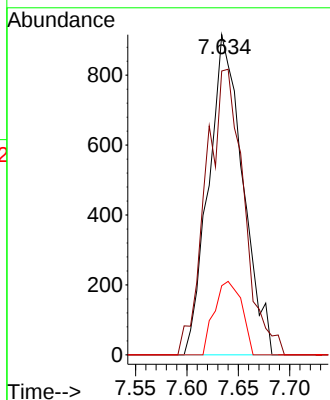
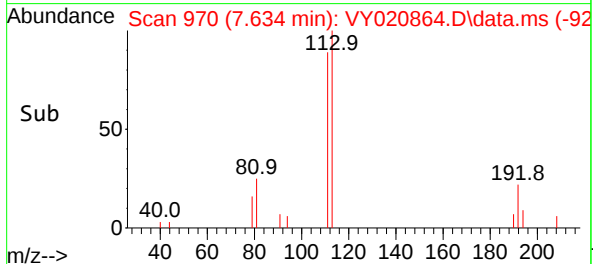


#35
Dibromofluoromethane
Concen: 59.601 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020864.D
Acq: 17 Jan 2025 18:41

Instrument :
MSVOA_Y
ClientSampleId :

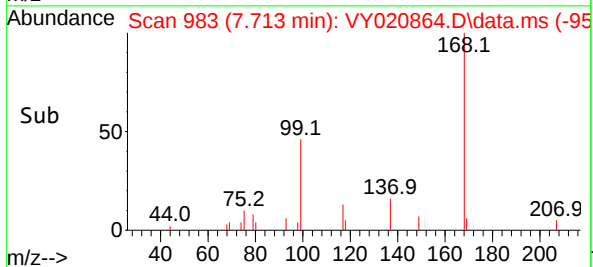
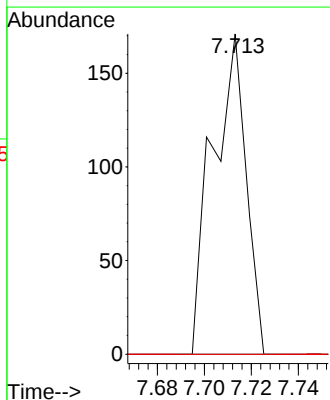
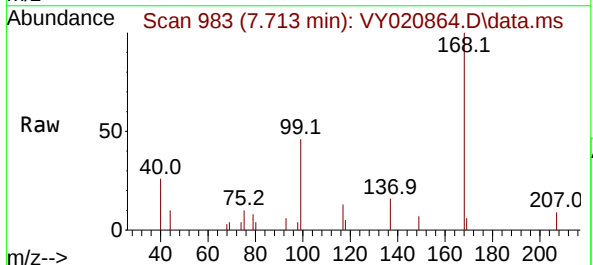


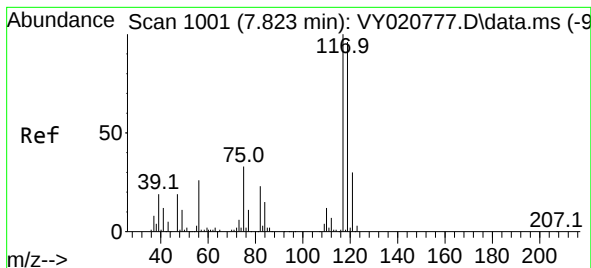
Tgt Ion:113 Resp: 2122
Ion Ratio Lower Upper
113 100
111 98.5 81.7 122.5
192 18.3 16.7 25.1



#36
1,1-Dichloropropene
Concen: 3.743 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY020864.D
Acq: 17 Jan 2025 18:41

Tgt Ion: 75 Resp: 170
Ion Ratio Lower Upper
75 100
110 0.0 18.5 55.5#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.442 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.110 min

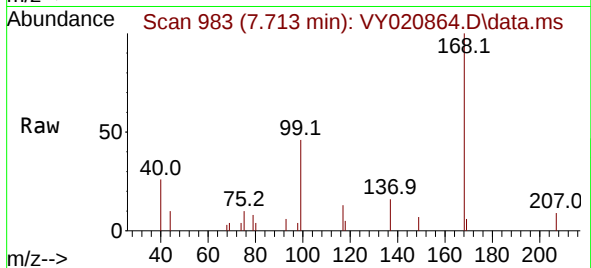
Lab File: VY020864.D

Acq: 17 Jan 2025 18:41

Instrument :

MSVOA_Y

ClientSampleId :



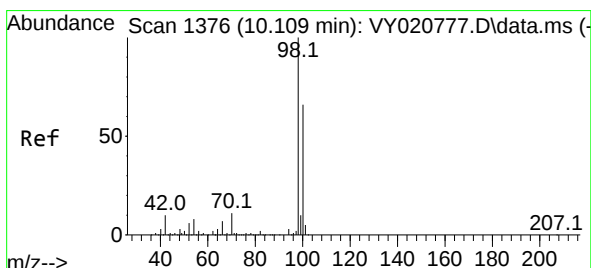
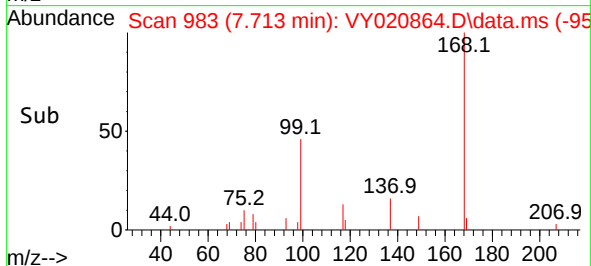
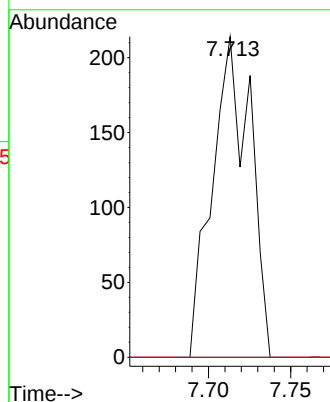
Tgt Ion:117 Resp: 344

Ion Ratio Lower Upper

117 100

119 0.0 76.5 114.7#

121 0.0 24.3 36.5#



#50

Toluene-d8

Concen: 47.795 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY020864.D

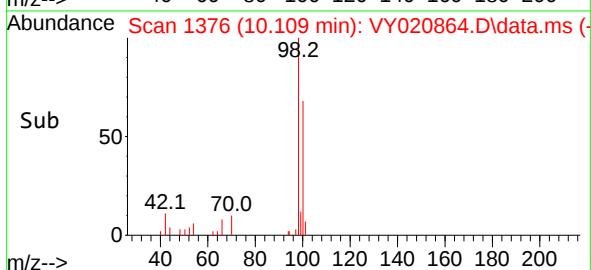
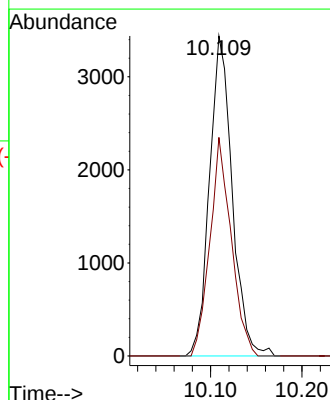
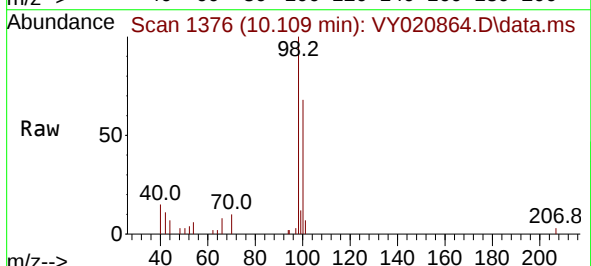
Acq: 17 Jan 2025 18:41

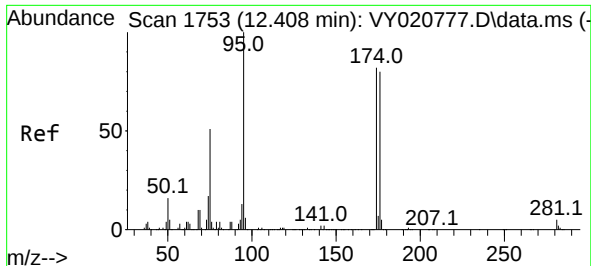
Tgt Ion: 98 Resp: 5932

Ion Ratio Lower Upper

98 100

100 64.3 52.5 78.7

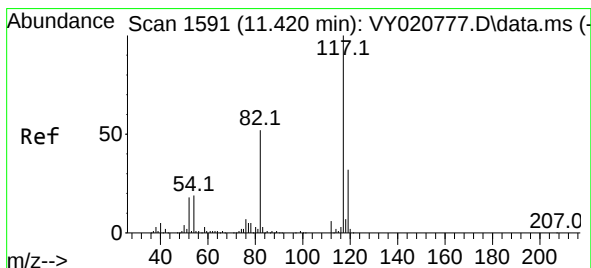
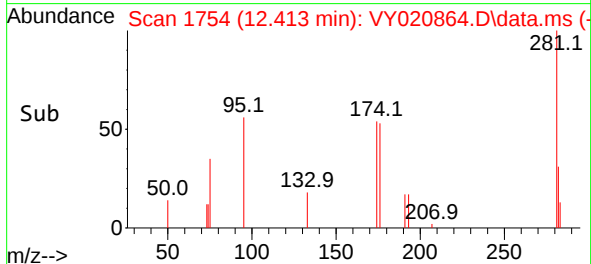
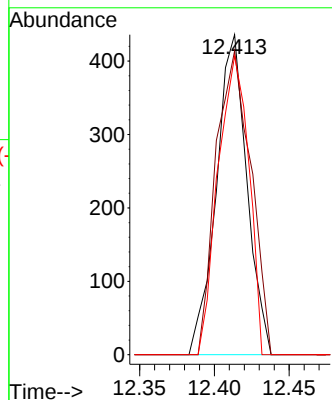
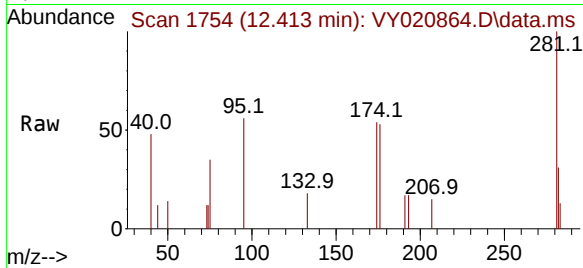




#62
4-Bromofluorobenzene
Concen: 13.549 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY020864.D
Acq: 17 Jan 2025 18:41

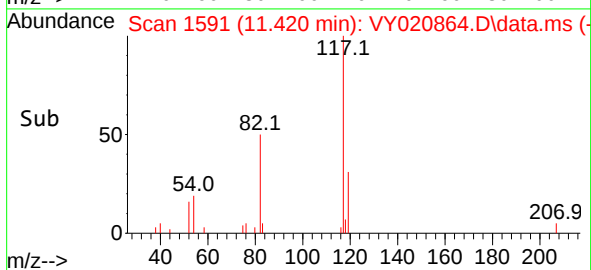
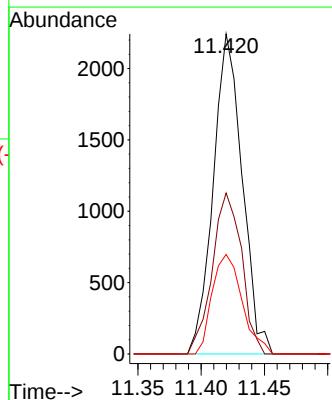
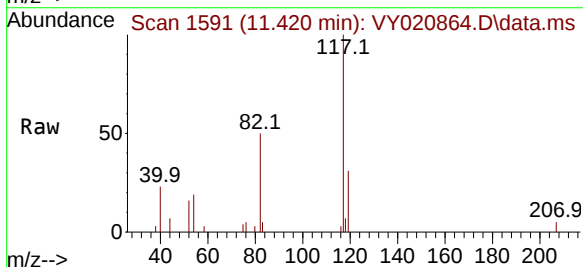
Instrument :
MSVOA_Y
ClientSampleId :

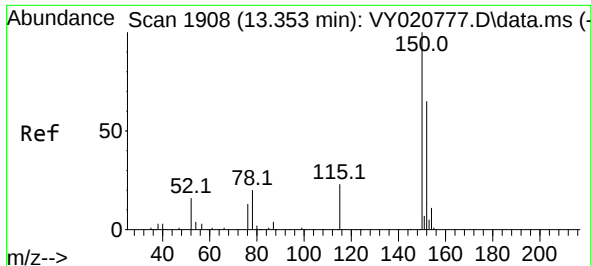
Tgt Ion: 95 Resp: 621
Ion Ratio Lower Upper
95 100
174 107.6 0.0 178.0
176 93.7 0.0 172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY020864.D
Acq: 17 Jan 2025 18:41

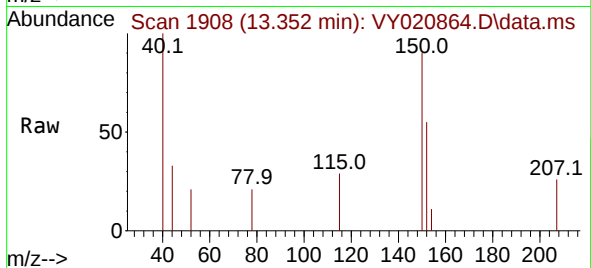
Tgt Ion: 117 Resp: 3568
Ion Ratio Lower Upper
117 100
82 50.3 41.8 62.6
119 31.1 25.8 38.8



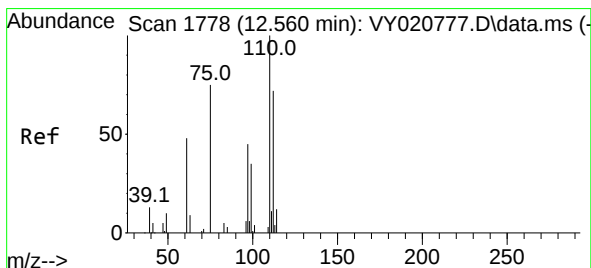
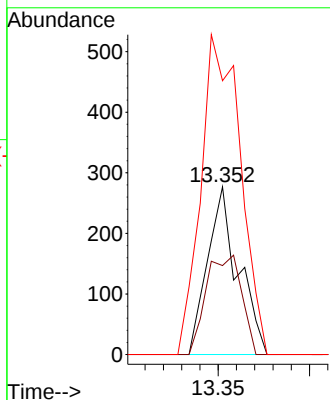
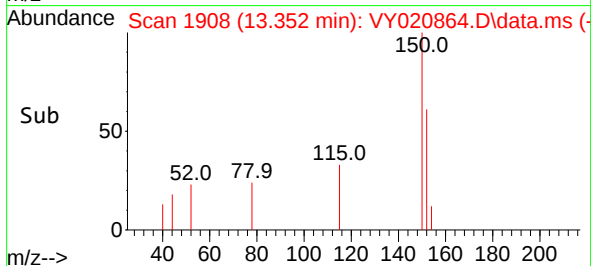


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VY020864.D
 Acq: 17 Jan 2025 18:41

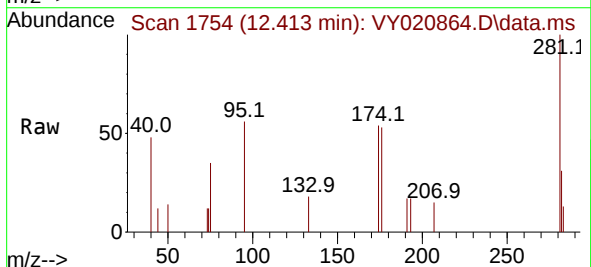
Instrument :
 MSVOA_Y
 ClientSampleId :



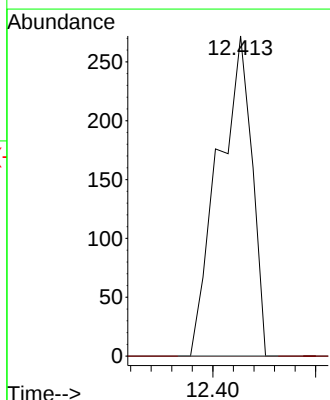
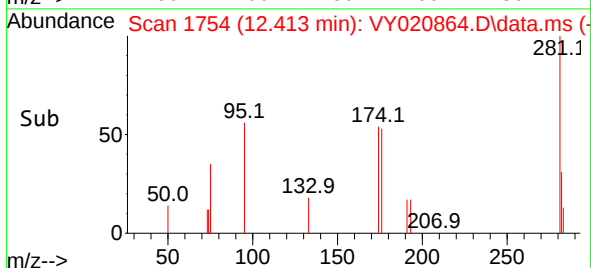
Tgt Ion:152 Resp: 323
 Ion Ratio Lower Upper
 152 100
 115 68.4 29.0 87.0
 150 244.9 0.0 347.4

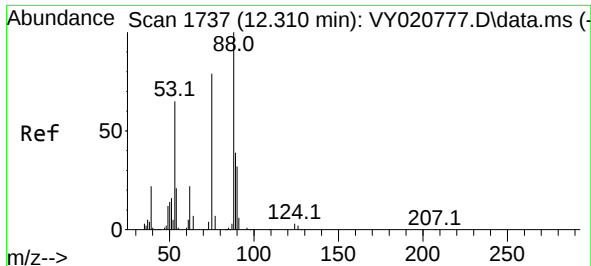


#76
 1,2,3-Trichloropropane
 Concen: 109.689 ug/l
 RT: 12.413 min Scan# 1754
 Delta R.T. -0.147 min
 Lab File: VY020864.D
 Acq: 17 Jan 2025 18:41



Tgt Ion: 75 Resp: 310
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

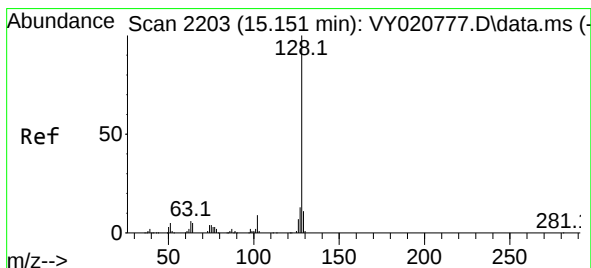
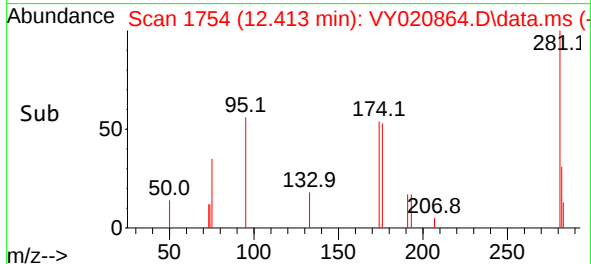
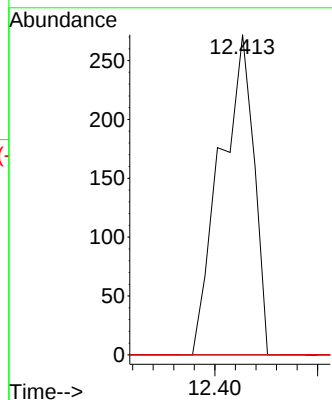
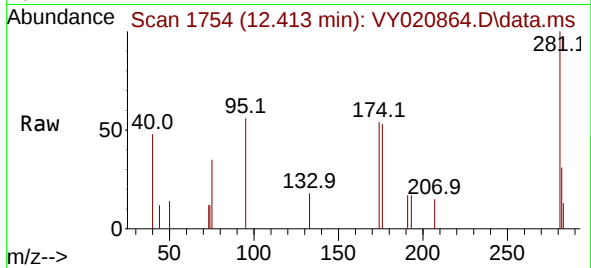




#81
trans-1,4-Dichloro-2-butene
Concen: 231.282 ug/l
RT: 12.413 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY020864.D
Acq: 17 Jan 2025 18:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 310
Ion Ratio Lower Upper
75 100
53 0.0 69.4 104.0#
89 0.0 39.6 59.4#



#95
Naphthalene
Concen: 51.858 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.006 min
Lab File: VY020864.D
Acq: 17 Jan 2025 18:41

Tgt Ion:128 Resp: 493
Ion Ratio Lower Upper
128 100
127 10.1 10.5 15.7#
129 0.0 8.6 12.8#

