

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013125\
 Data File : VY021011.D
 Acq On : 31 Jan 2025 15:44
 Operator : SY/MD
 Sample : Q1236-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 31 22:26:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 31 16:50:06 2025
 Response via : Initial Calibration

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

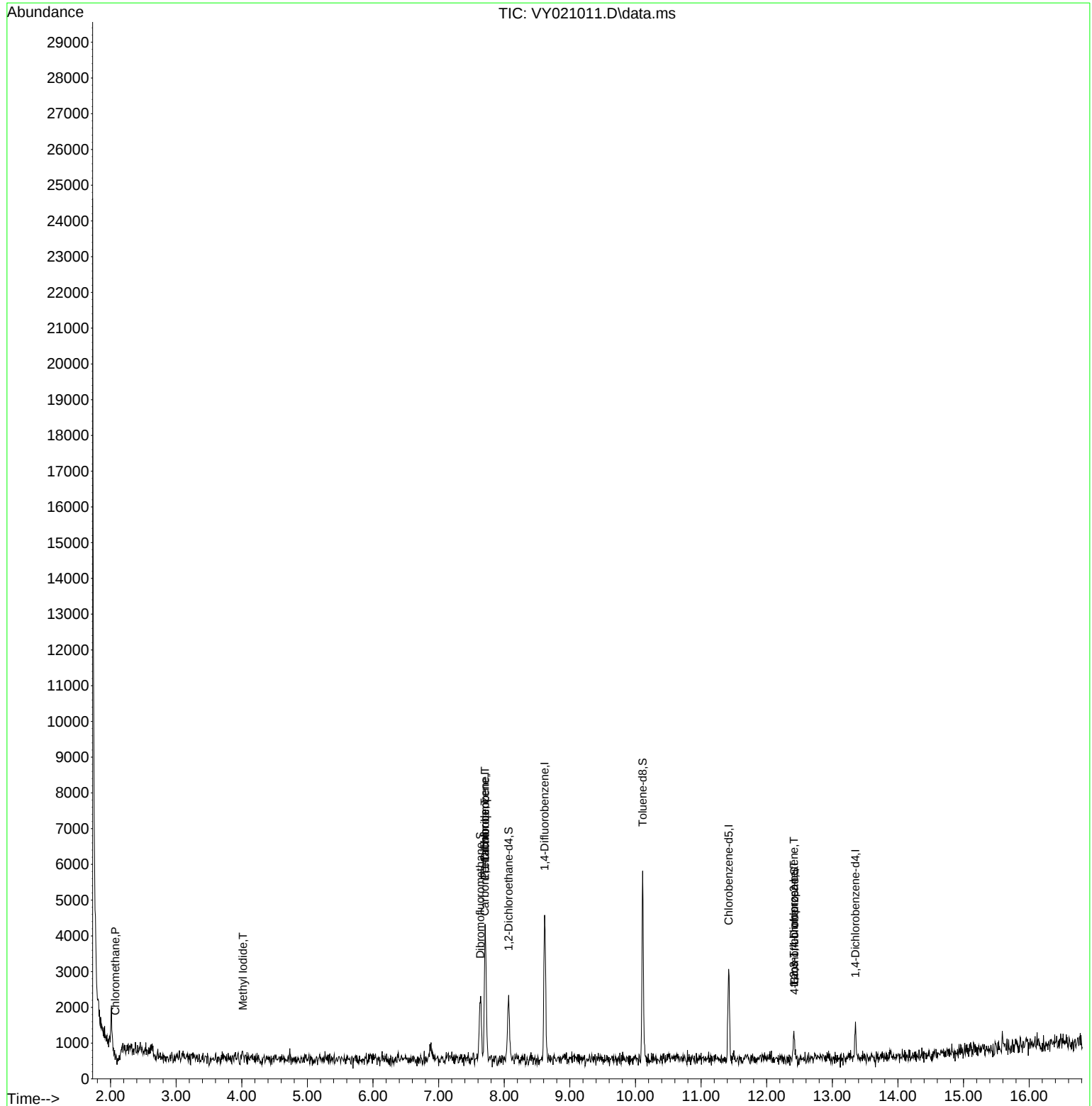
Internal Standards						
1) Pentafluorobenzene	7.707	168	3375	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	4348	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	1578	54.915	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.840%	
35) Dibromofluoromethane	7.634	113	1478	56.543	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.080%	
50) Toluene-d8	10.109	98	3752	36.776	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 73.560%	
62) 4-Bromofluorobenzene	12.420	95	357	10.428	ug/l	0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	= 20.860%#	
Target Compounds						Qvalue
3) Chloromethane	2.074	50	19	1.041	ug/l #	42
10) Methyl Iodide	4.019	142	260	7.433	ug/l #	71
36) 1,1-Dichloropropene	7.707	75	317	8.501	ug/l #	41
38) Carbon Tetrachloride	7.701	117	353	7.649	ug/l #	13
76) 1,2,3-Trichloropropane	12.414	75	104	47.428	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	104	98.452	ug/l #	15

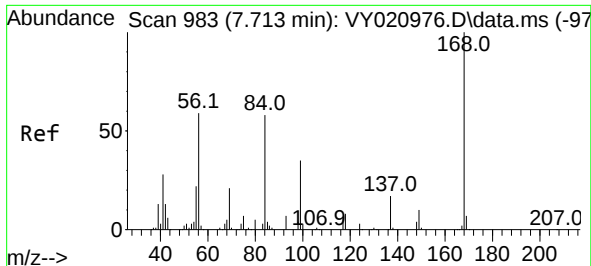
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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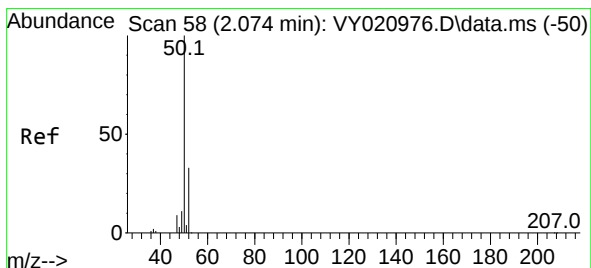
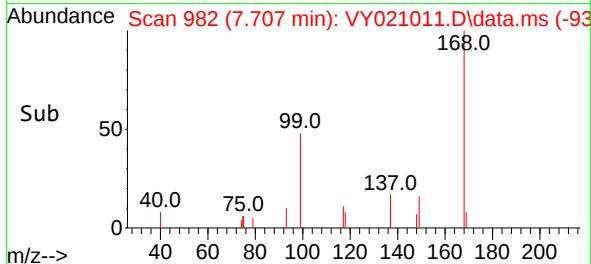
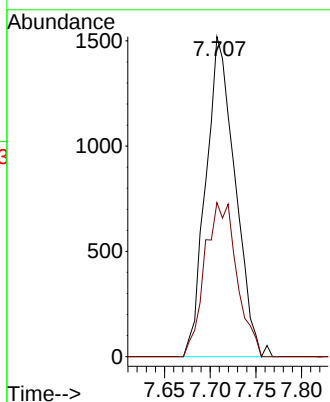
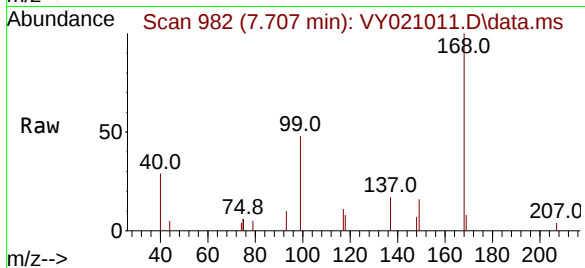




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021011.D
Acq: 31 Jan 2025 15:44

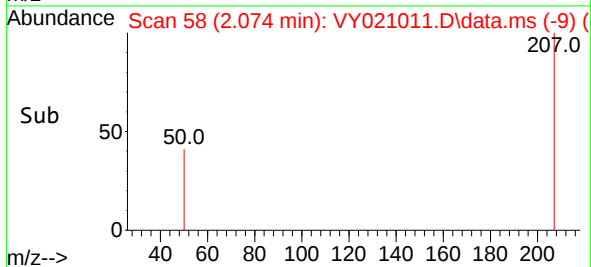
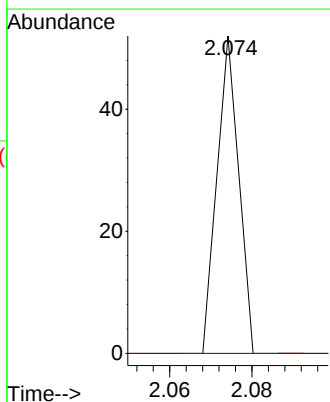
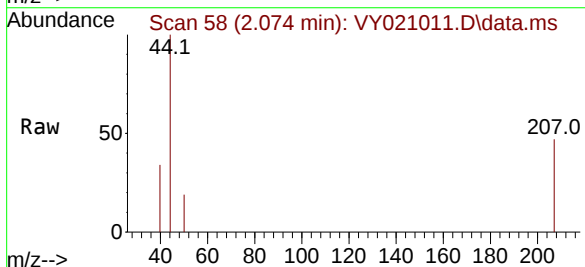
Instrument :
MSVOA_Y
ClientSampleId :

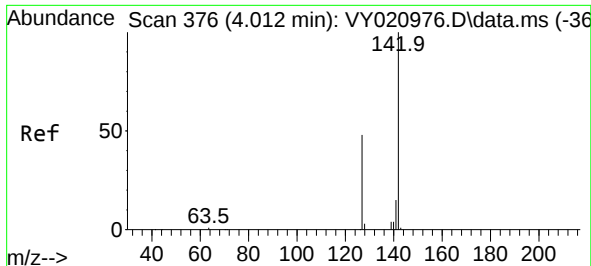
Tgt Ion:168 Resp: 3375
Ion Ratio Lower Upper
168 100
99 48.2 42.2 63.2



#3
Chloromethane
Concen: 1.041 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.000 min
Lab File: VY021011.D
Acq: 31 Jan 2025 15:44

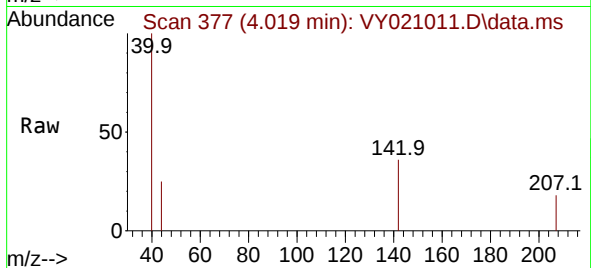
Tgt Ion: 50 Resp: 19
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#



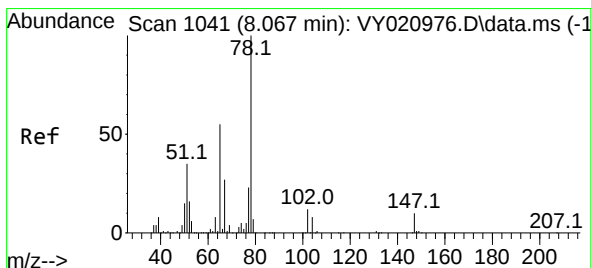
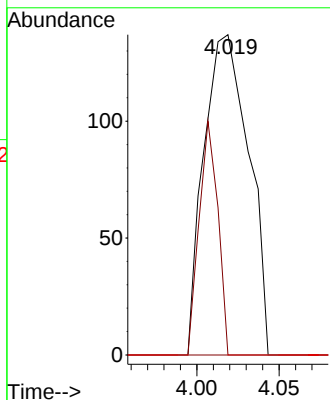
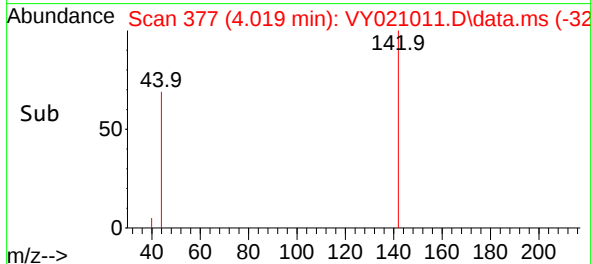


#10
Methyl Iodide
Concen: 7.433 ug/l
RT: 4.019 min Scan# 31
Delta R.T. 0.007 min
Lab File: VY021011.D
Acq: 31 Jan 2025 15:44

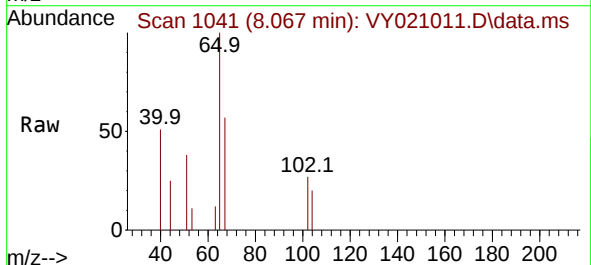
Instrument :
MSVOA_Y
ClientSampleId :



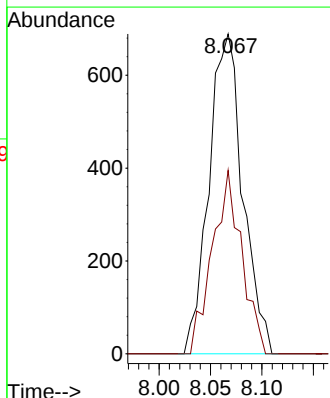
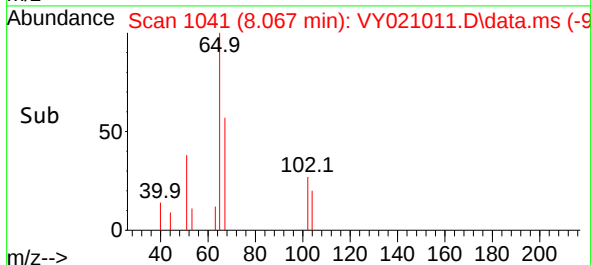
Tgt Ion:142 Resp: 260
Ion Ratio Lower Upper
142 100
127 30.4 38.9 58.3#
141 0.0 11.7 17.5#

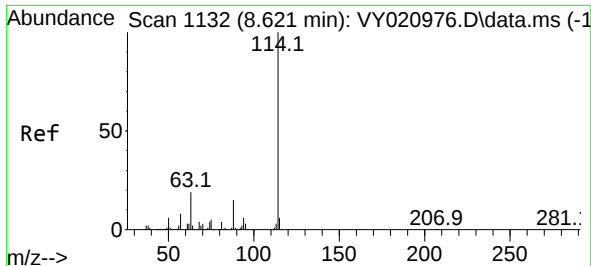


#33
1,2-Dichloroethane-d4
Concen: 54.915 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY021011.D
Acq: 31 Jan 2025 15:44



Tgt Ion: 65 Resp: 1578
Ion Ratio Lower Upper
65 100
67 49.7 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021011.D

Acq: 31 Jan 2025 15:44

Instrument :

MSVOA_Y

ClientSampleId :

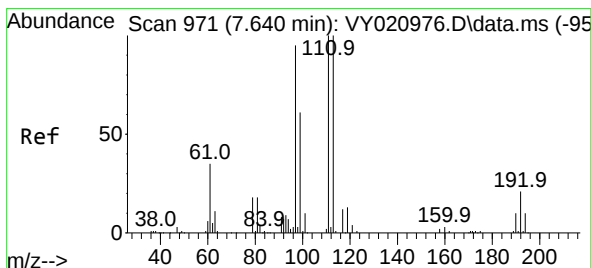
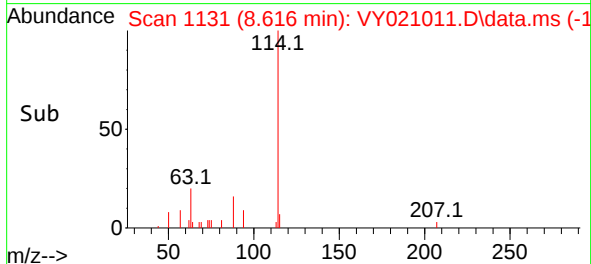
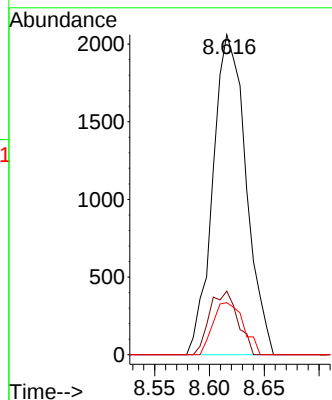
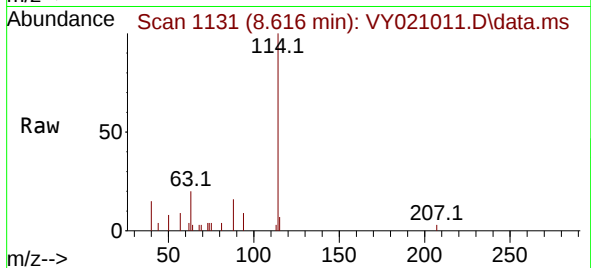
Tgt Ion:114 Resp: 4348

Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.2

88 16.3 0.0 29.6



#35

Dibromofluoromethane

Concen: 56.543 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021011.D

Acq: 31 Jan 2025 15:44

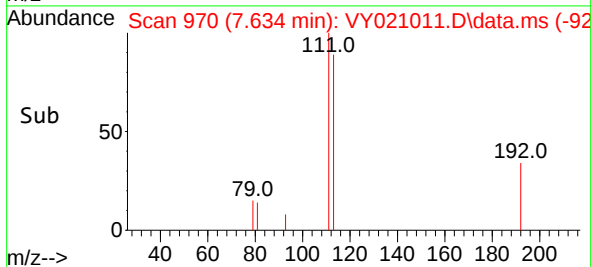
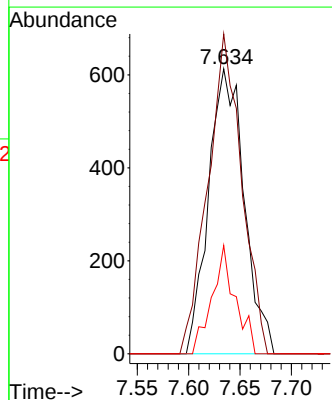
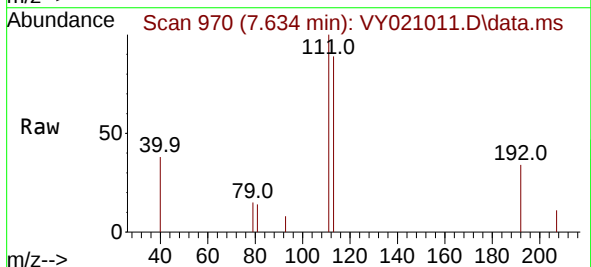
Tgt Ion:113 Resp: 1478

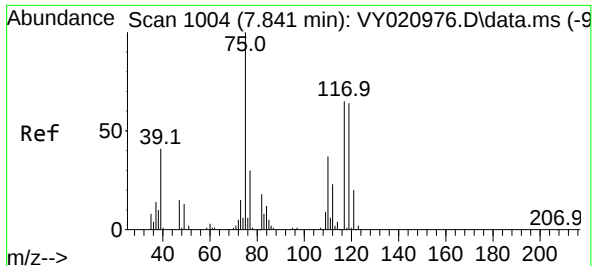
Ion Ratio Lower Upper

113 100

111 106.4 82.6 123.8

192 24.9 16.8 25.2





#36

1,1-Dichloropropene

Concen: 8.501 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.134 min

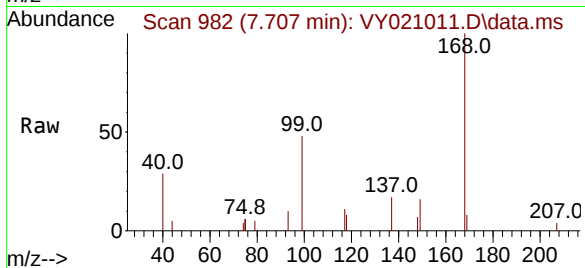
Lab File: VY021011.D

Acq: 31 Jan 2025 15:44

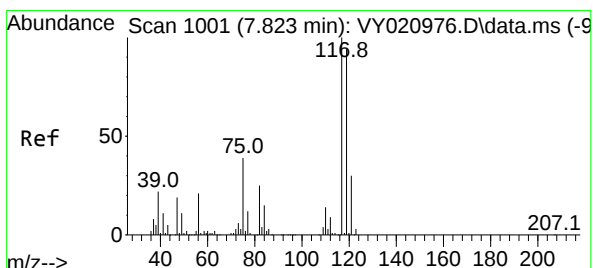
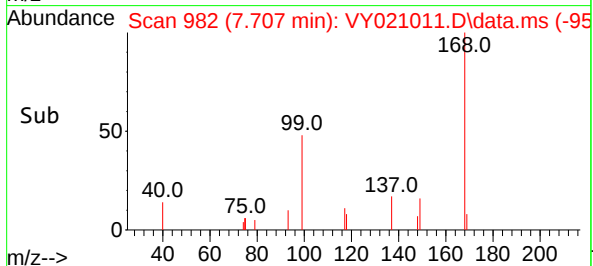
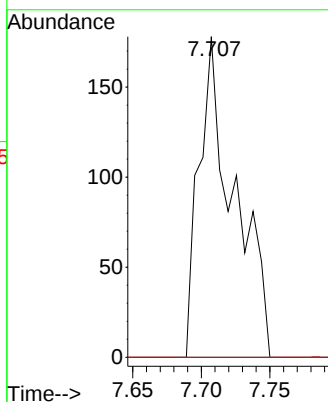
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 317
Ion Ratio	Lower Upper
75	100
110	0.0 18.4 55.2#
77	0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 7.649 ug/l

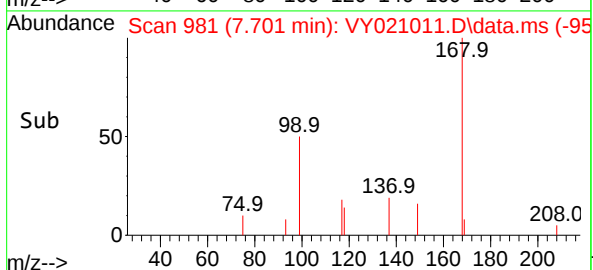
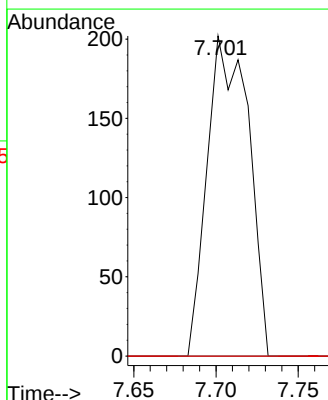
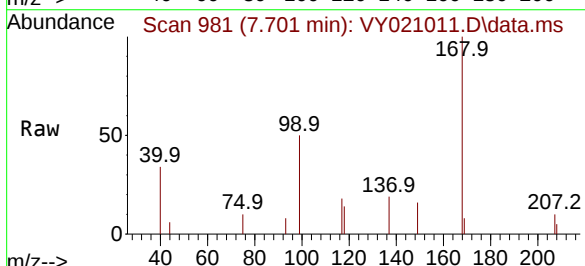
RT: 7.701 min Scan# 981

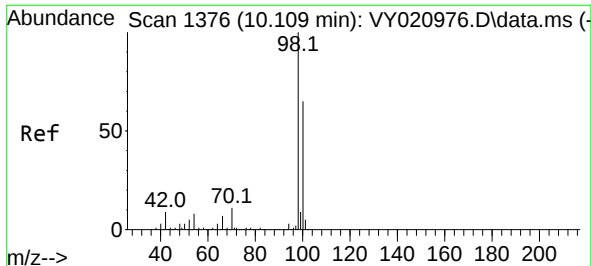
Delta R.T. -0.121 min

Lab File: VY021011.D

Acq: 31 Jan 2025 15:44

Tgt Ion: 117	Resp: 353
Ion Ratio	Lower Upper
117	100
119	0.0 75.0 112.6#
121	0.0 24.2 36.2#

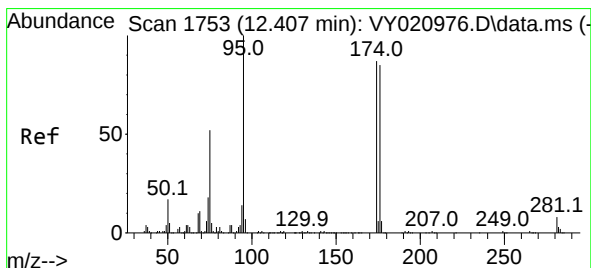
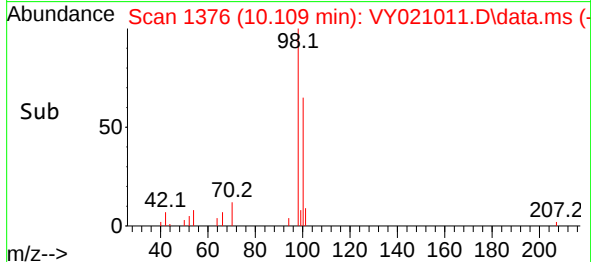
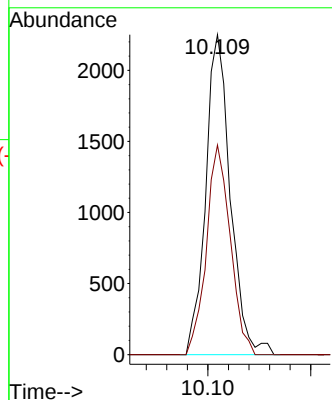
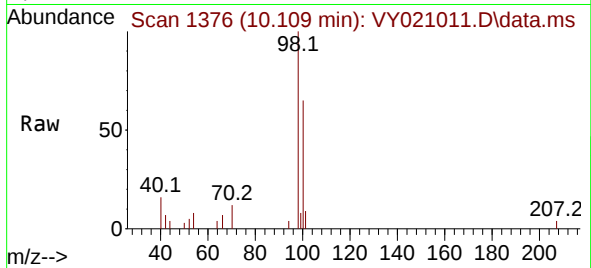




#50
Toluene-d8
Concen: 36.776 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021011.D
Acq: 31 Jan 2025 15:44

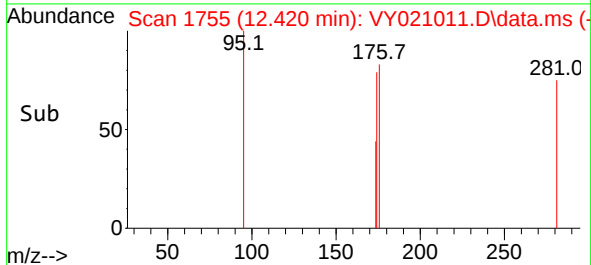
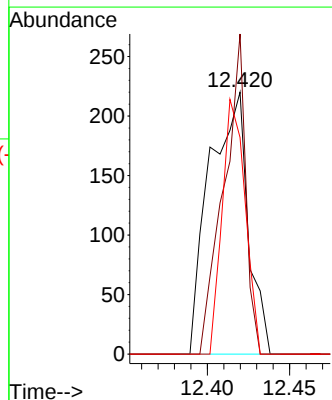
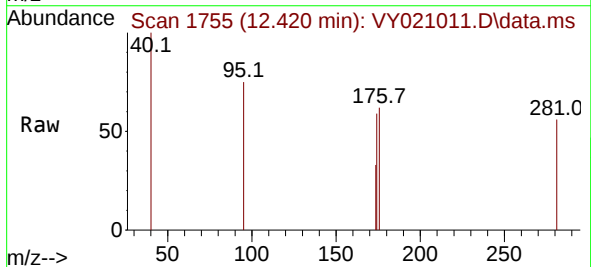
Instrument :
MSVOA_Y
ClientSampleId :

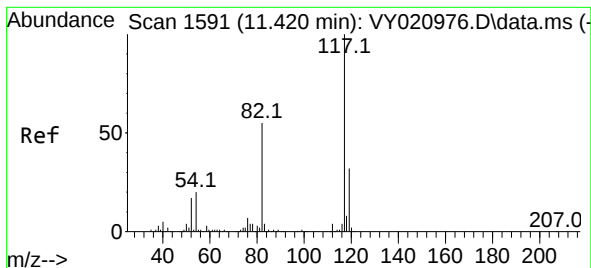
Tgt Ion: 98 Resp: 3752
Ion Ratio Lower Upper
98 100
100 63.4 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 10.428 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. 0.013 min
Lab File: VY021011.D
Acq: 31 Jan 2025 15:44

Tgt Ion: 95 Resp: 357
Ion Ratio Lower Upper
95 100
174 69.5 0.0 181.2
176 58.3 0.0 175.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

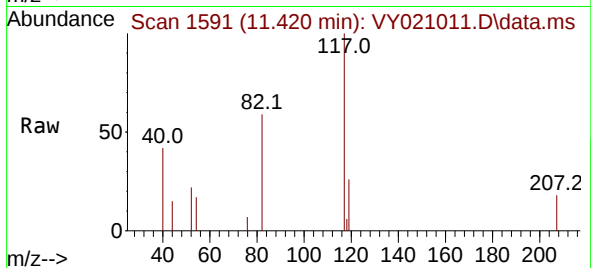
Lab File: VY021011.D

Acq: 31 Jan 2025 15:44

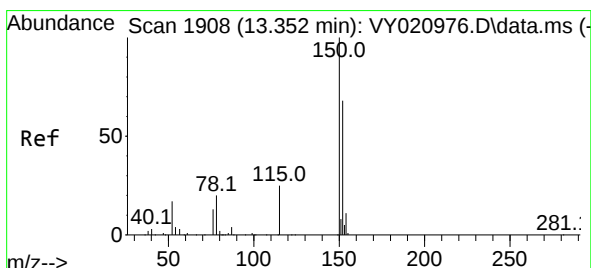
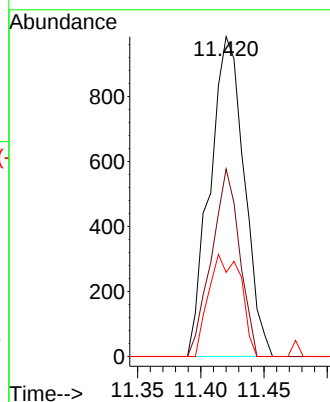
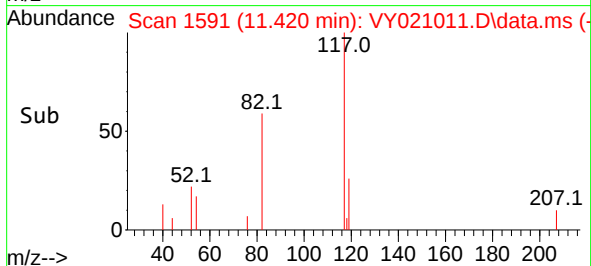
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	117	Resp:	1854
Ion	Ratio	Lower	Upper
117	100		
82	58.6	44.2	66.2
119	26.3	25.9	38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

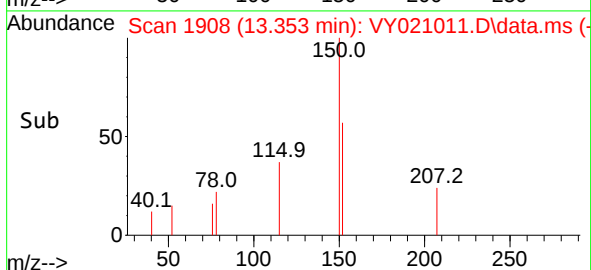
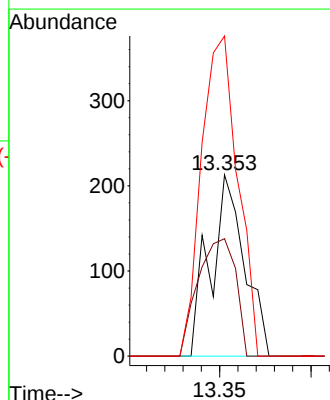
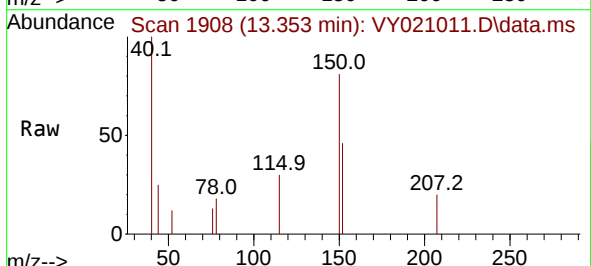
RT: 13.353 min Scan# 1908

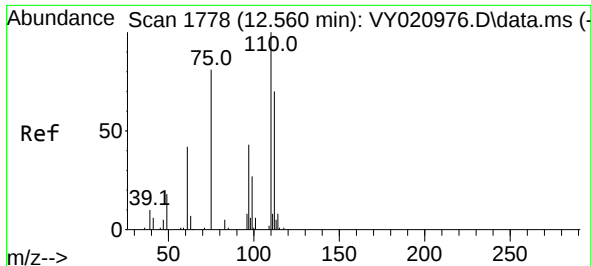
Delta R.T. 0.000 min

Lab File: VY021011.D

Acq: 31 Jan 2025 15:44

Tgt Ion:	152	Resp:	277
Ion	Ratio	Lower	Upper
152	100		
115	71.5	28.4	85.2
150	187.4	0.0	342.8

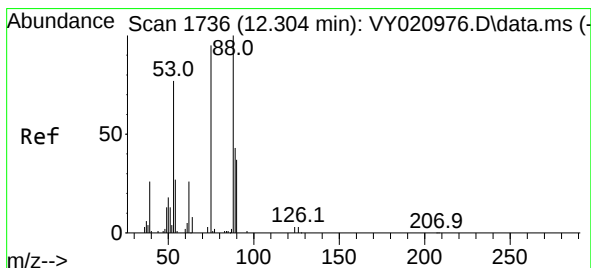
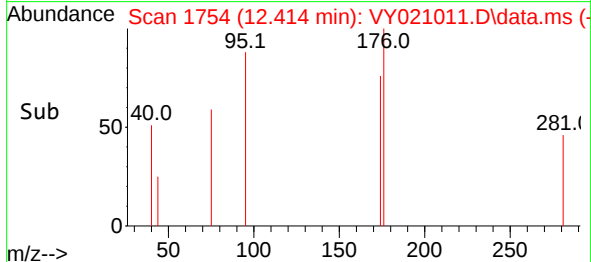
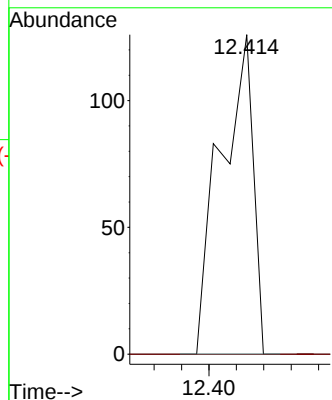
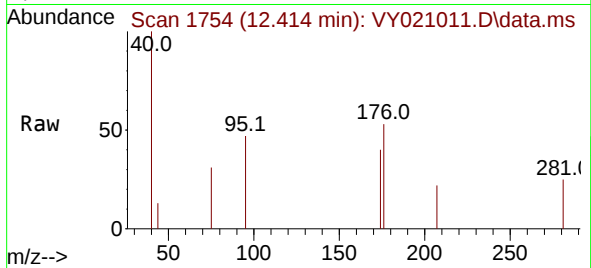




#76
1,2,3-Trichloropropane
Concen: 47.428 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.146 min
Lab File: VY021011.D
Acq: 31 Jan 2025 15:44

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 104
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 98.452 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.110 min
Lab File: VY021011.D
Acq: 31 Jan 2025 15:44

Tgt Ion: 75 Resp: 104
Ion Ratio Lower Upper
75 100
53 0.0 68.6 103.0#
89 0.0 38.1 57.1#

