

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021325\
 Data File : VY021195.D
 Acq On : 13 Feb 2025 16:51
 Operator : SY/MD
 Sample : Q1365-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 14 00:46:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

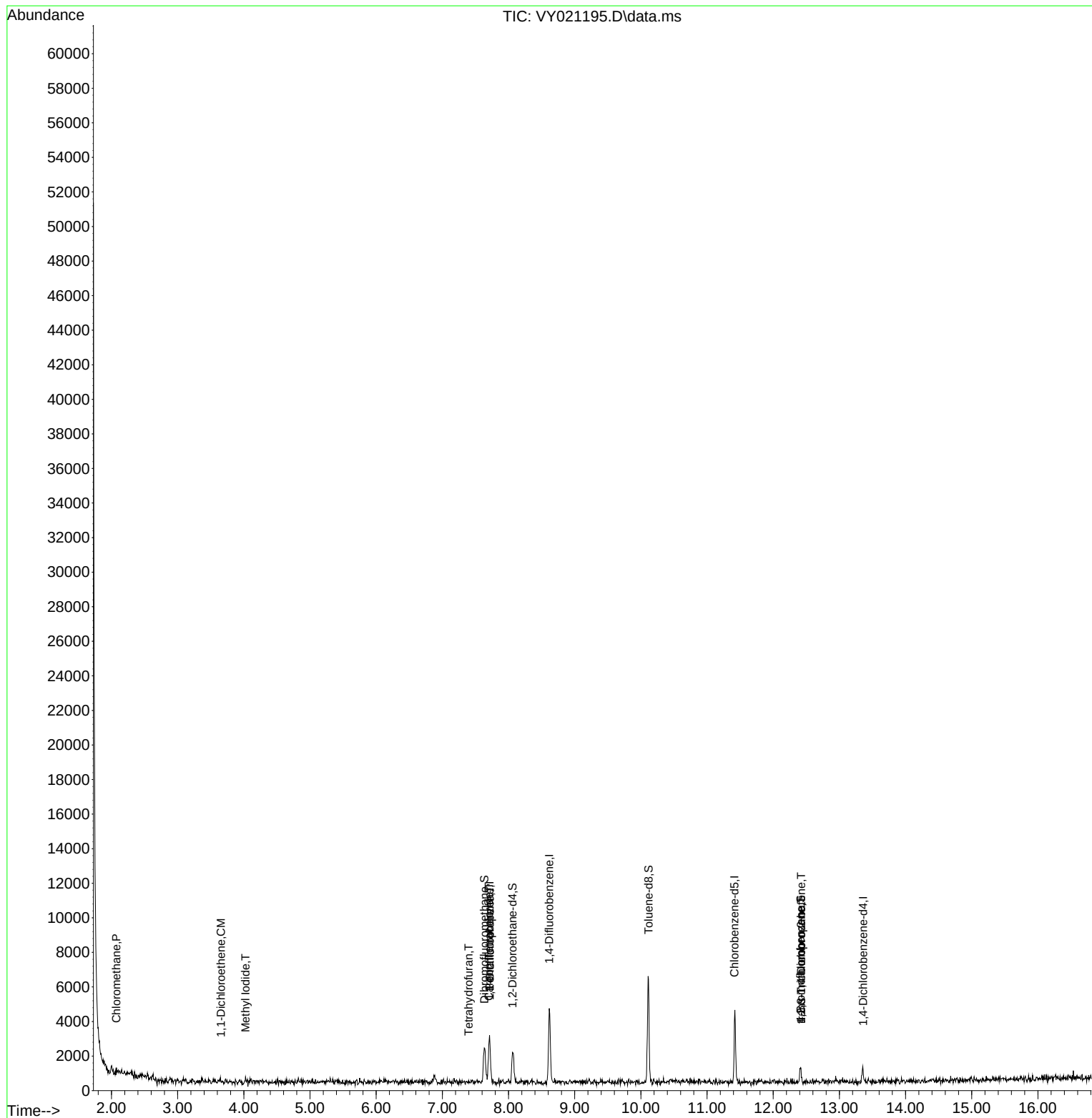
Internal Standards						
1) Pentafluorobenzene	7.713	168	2455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	3952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	2211	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	1864	74.105	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 148.220%	
35) Dibromofluoromethane	7.634	113	1622	64.042	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 128.080%	
50) Toluene-d8	10.115	98	4208	43.642	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 87.280%	
62) 4-Bromofluorobenzene	12.414	95	476	15.111	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 30.220%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.074	50	65	3.010	ug/l #	41
10) Methyl Iodide	4.025	142	108	3.912	ug/l #	40
12) 1,1-Dichloroethene	3.653	96	43	1.837	ug/l #	1
29) Tetrahydrofuran	7.396	42	25	5.732	ug/l #	32
36) 1,1-Dichloropropene	7.719	75	84	2.239	ug/l #	42
38) Carbon Tetrachloride	7.701	117	259	5.909	ug/l #	12
76) 1,2,3-Trichloropropane	12.420	75	201	66.741	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.420	75	201	136.183	ug/l #	12

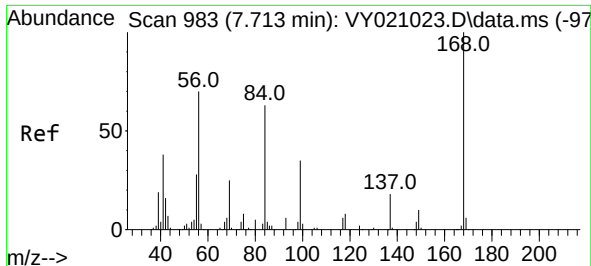
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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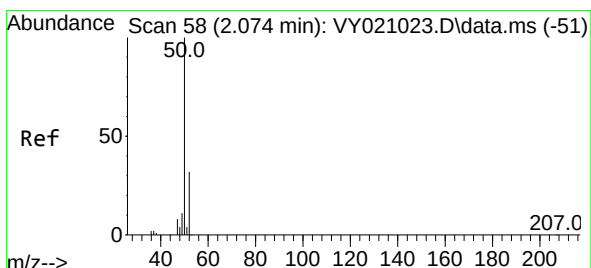
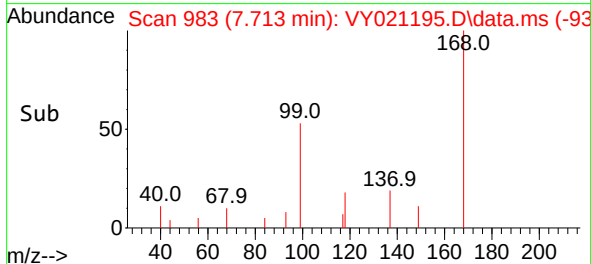
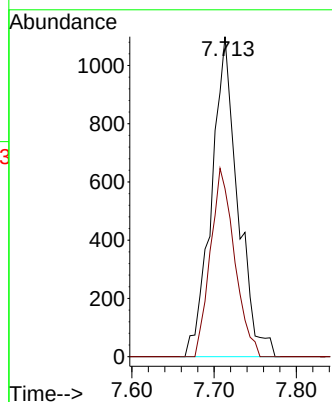
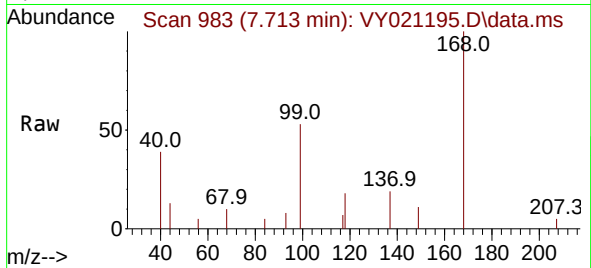




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021195.D
Acq: 13 Feb 2025 16:51

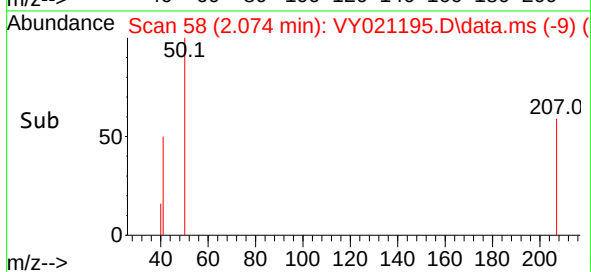
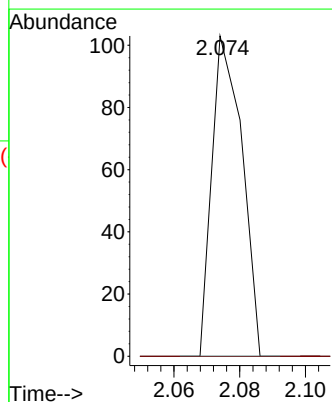
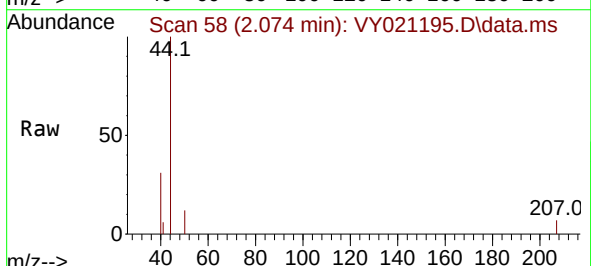
Instrument :
MSVOA_Y
ClientSampleId :

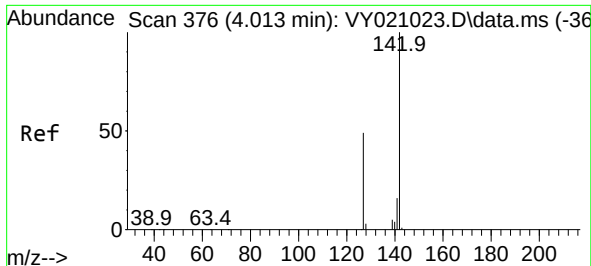
Tgt Ion:168 Resp: 2455
Ion Ratio Lower Upper
168 100
99 52.5 44.2 66.4



#3
Chloromethane
Concen: 3.010 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.000 min
Lab File: VY021195.D
Acq: 13 Feb 2025 16:51

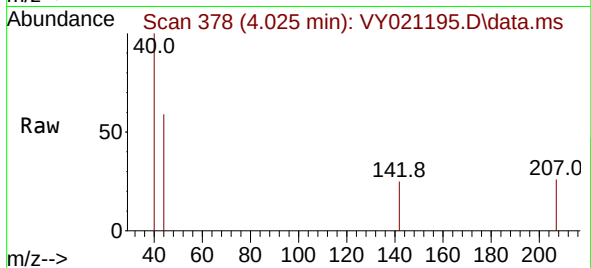
Tgt Ion: 50 Resp: 65
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#



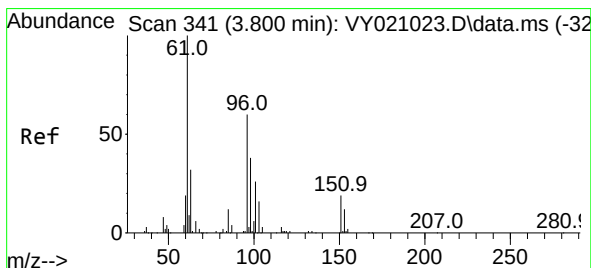
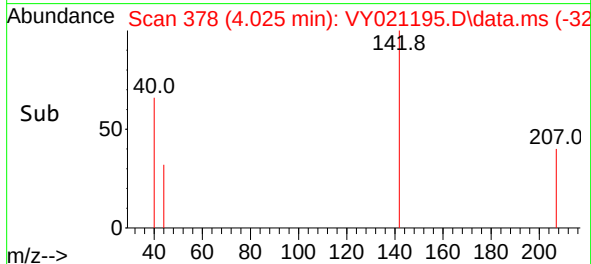
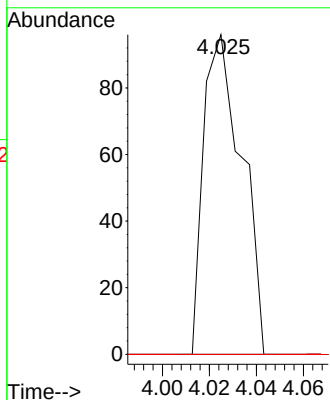


#10
Methyl Iodide
Concen: 3.912 ug/l
RT: 4.025 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY021195.D
Acq: 13 Feb 2025 16:51

Instrument :
MSVOA_Y
ClientSampleId :

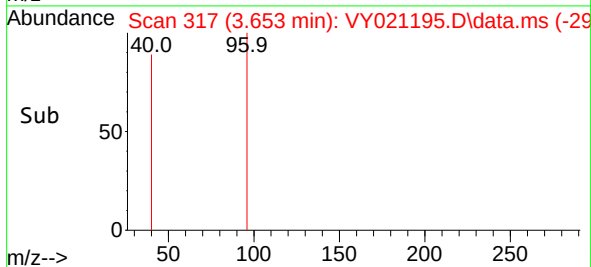
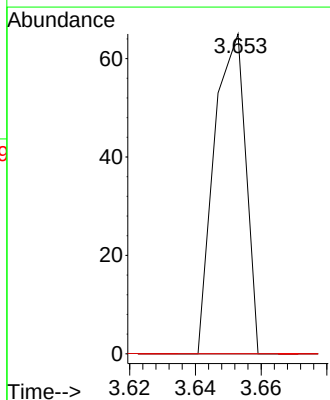
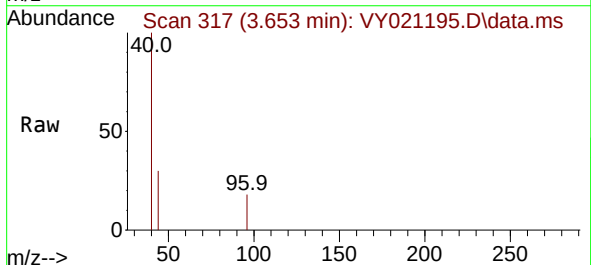


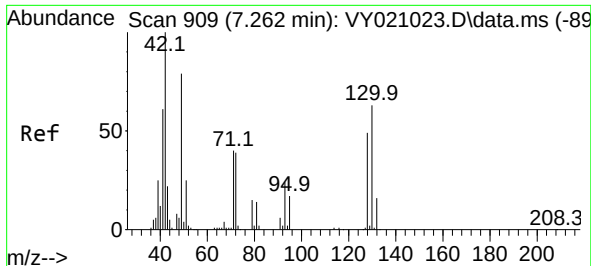
Tgt Ion:142 Resp: 108
Ion Ratio Lower Upper
142 100
127 0.0 35.1 52.7#
141 0.0 11.8 17.6#



#12
1,1-Dichloroethene
Concen: 1.837 ug/l
RT: 3.653 min Scan# 317
Delta R.T. -0.147 min
Lab File: VY021195.D
Acq: 13 Feb 2025 16:51

Tgt Ion: 96 Resp: 43
Ion Ratio Lower Upper
96 100
61 0.0 124.2 186.2#
98 0.0 52.6 79.0#





#29

Tetrahydrofuran

Concen: 5.732 ug/l

RT: 7.396 min Scan# 91

Delta R.T. 0.134 min

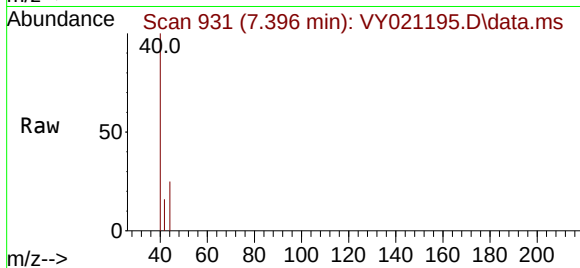
Lab File: VY021195.D

Acq: 13 Feb 2025 16:51

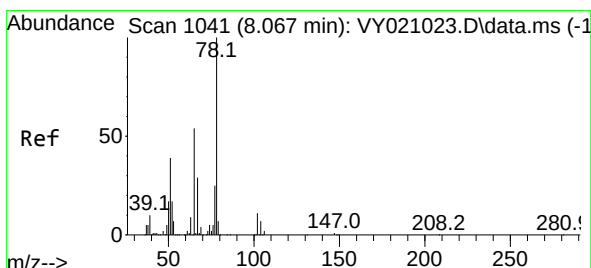
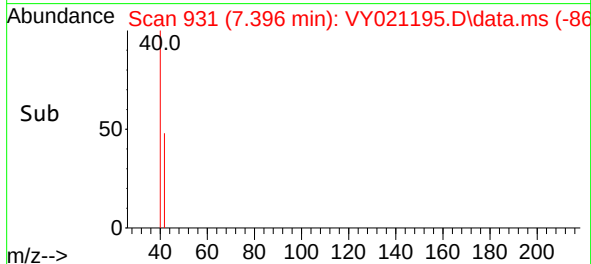
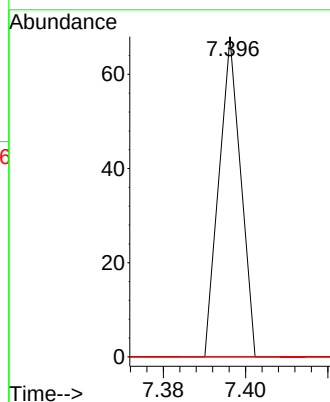
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	25
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	54.8#
71	0.0	33.8	50.6#



#33

1,2-Dichloroethane-d4

Concen: 74.105 ug/l

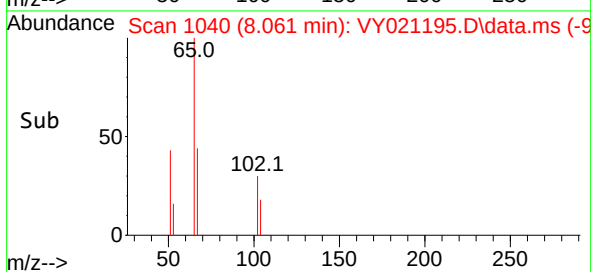
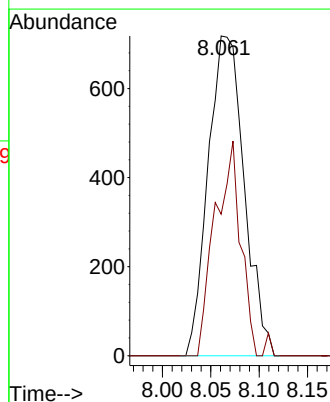
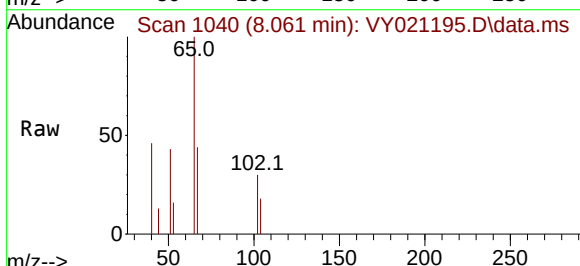
RT: 8.061 min Scan# 1040

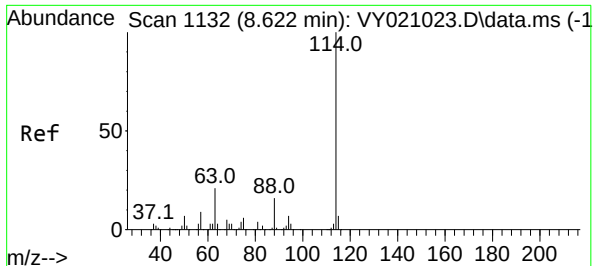
Delta R.T. -0.006 min

Lab File: VY021195.D

Acq: 13 Feb 2025 16:51

Tgt Ion:	65	Resp:	1864
Ion	Ratio	Lower	Upper
65	100		
67	47.7	0.0	109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021195.D

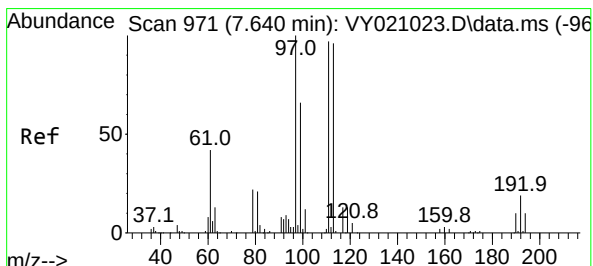
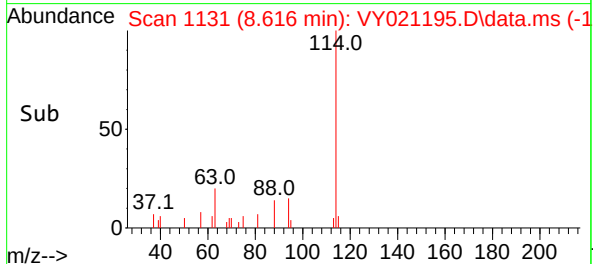
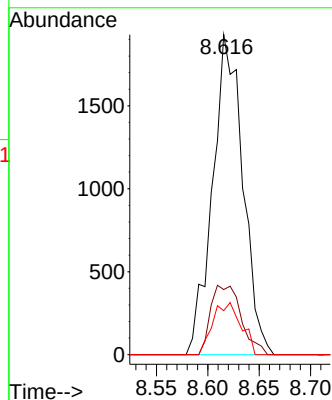
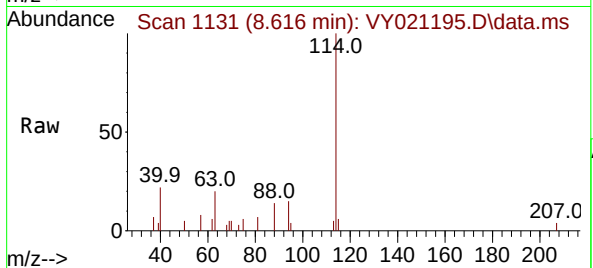
Acq: 13 Feb 2025 16:51

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	3952
Ion Ratio	Lower	Upper
114	100	
63	20.3	0.0 37.4
88	13.7	0.0 29.0



#35

Dibromofluoromethane

Concen: 64.042 ug/l

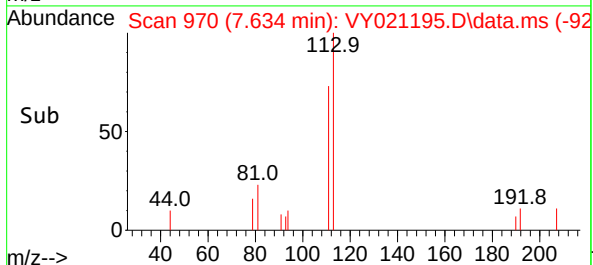
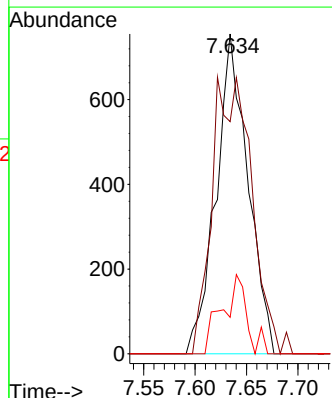
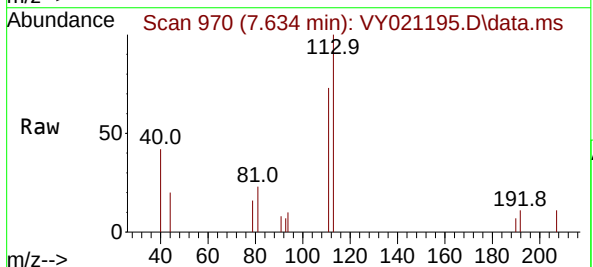
RT: 7.634 min Scan# 970

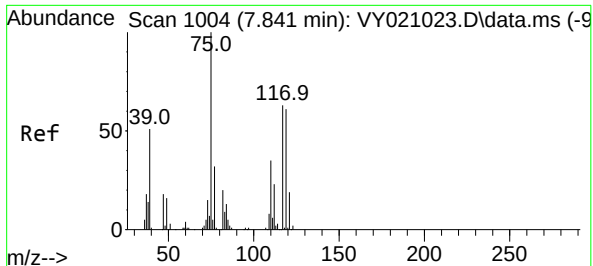
Delta R.T. -0.006 min

Lab File: VY021195.D

Acq: 13 Feb 2025 16:51

Tgt Ion:113	Resp:	1622
Ion Ratio	Lower	Upper
113	100	
111	53.4	83.8 125.6#
192	17.8	14.5 21.7





#36

1,1-Dichloropropene

Concen: 2.239 ug/l

RT: 7.719 min Scan# 9

Delta R.T. -0.122 min

Lab File: VY021195.D

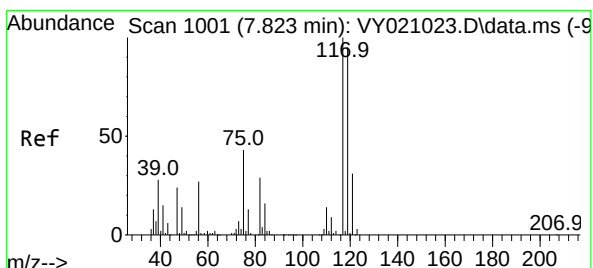
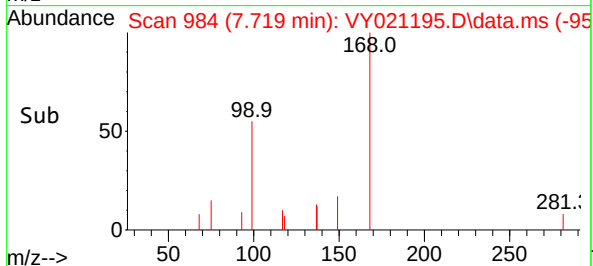
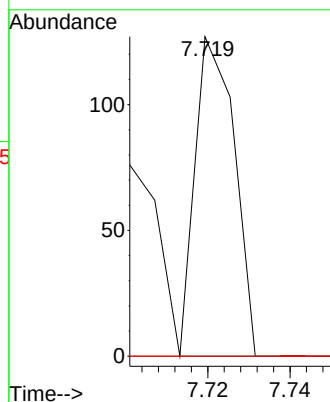
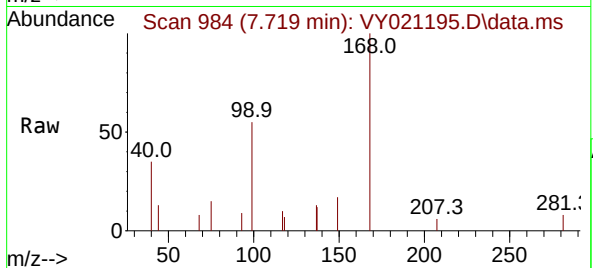
Acq: 13 Feb 2025 16:51

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp:	84
Ion Ratio	Lower	Upper
75	100	
110	0.0	17.4 52.3#
77	0.0	24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.909 ug/l

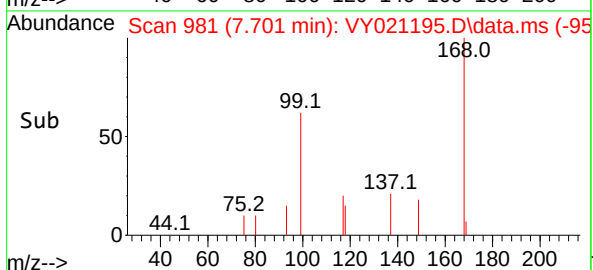
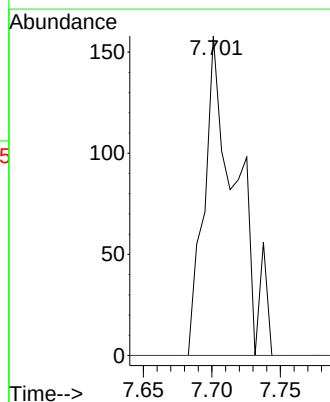
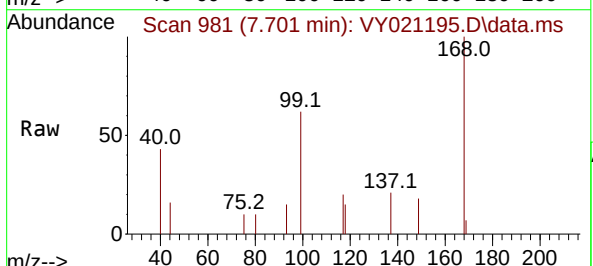
RT: 7.701 min Scan# 981

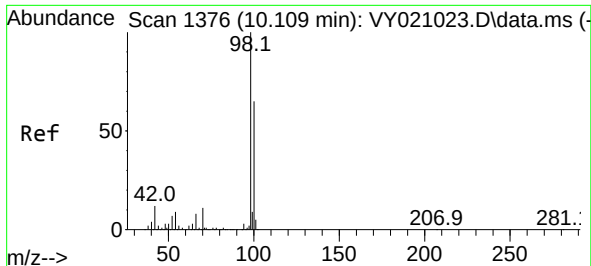
Delta R.T. -0.122 min

Lab File: VY021195.D

Acq: 13 Feb 2025 16:51

Tgt Ion: 117	Resp:	259
Ion Ratio	Lower	Upper
117	100	
119	0.0	76.0 114.0#
121	0.0	24.2 36.2#

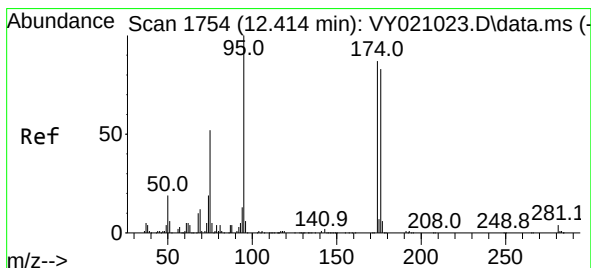
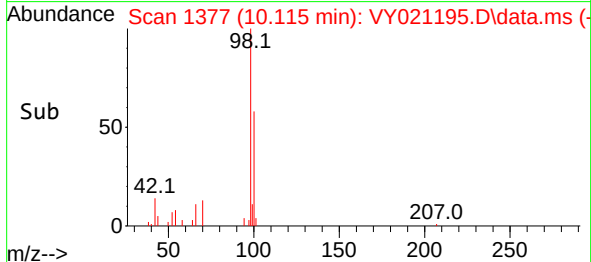
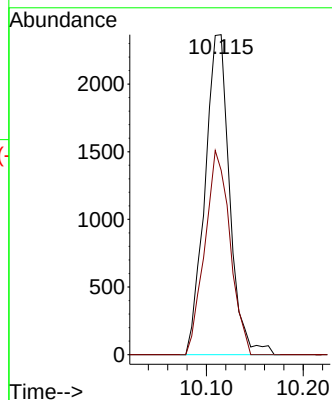
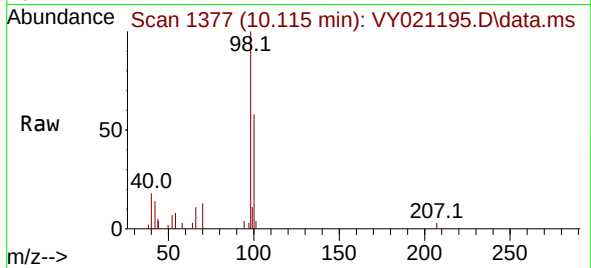




#50
Toluene-d8
Concen: 43.642 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021195.D
Acq: 13 Feb 2025 16:51

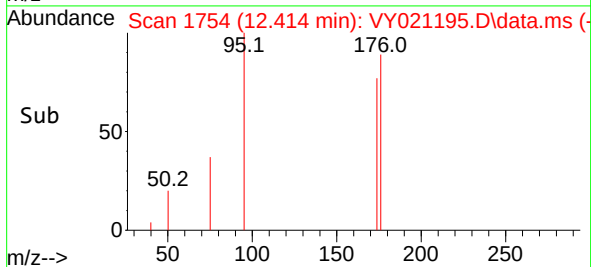
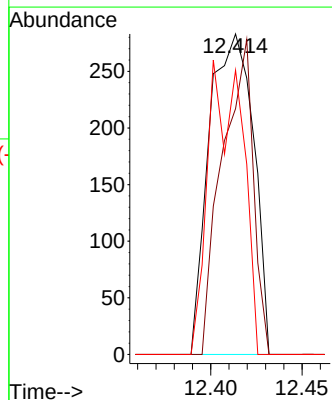
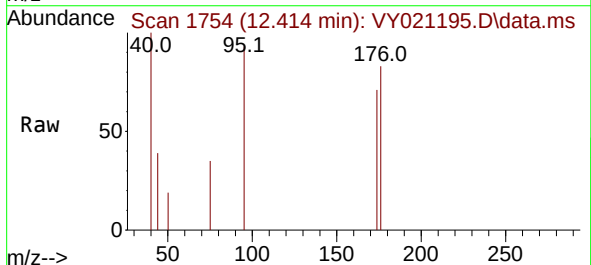
Instrument :
MSVOA_Y
ClientSampleId :

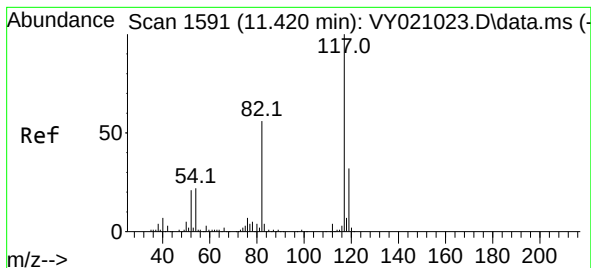
Tgt Ion: 98 Resp: 4208
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 15.111 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021195.D
Acq: 13 Feb 2025 16:51

Tgt Ion: 95 Resp: 476
Ion Ratio Lower Upper
95 100
174 68.9 0.0 160.0
176 71.8 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021195.D

Acq: 13 Feb 2025 16:51

Instrument :

MSVOA_Y

ClientSampleId :

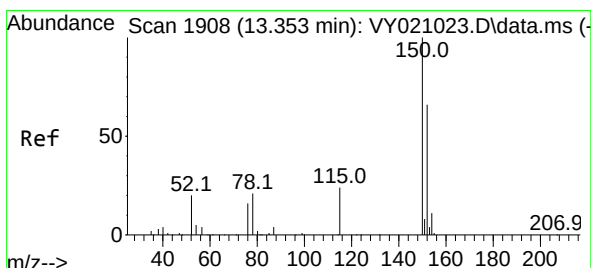
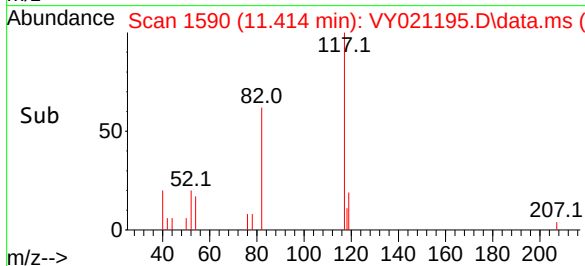
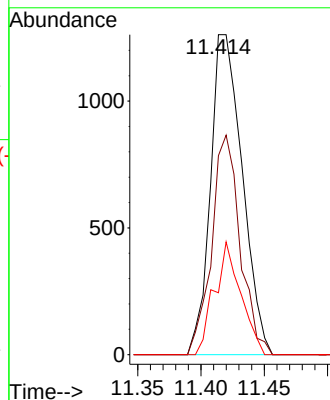
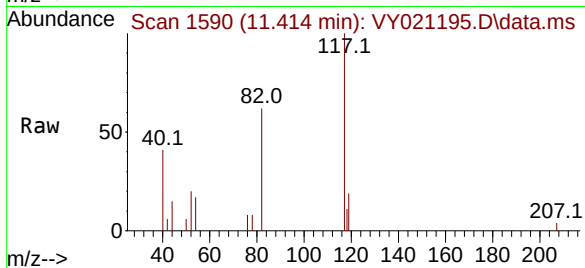
Tgt Ion:117 Resp: 2211

Ion Ratio Lower Upper

117 100

82 62.2 43.8 65.8

119 19.3 26.5 39.7#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VY021195.D

Acq: 13 Feb 2025 16:51

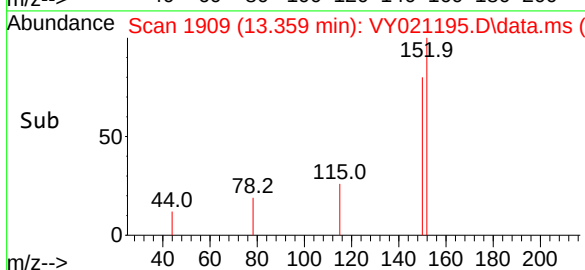
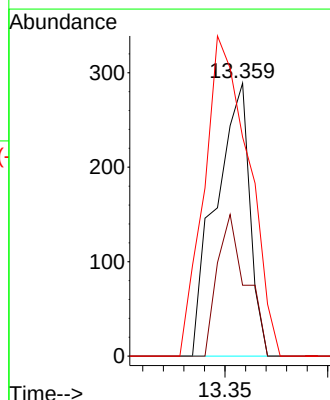
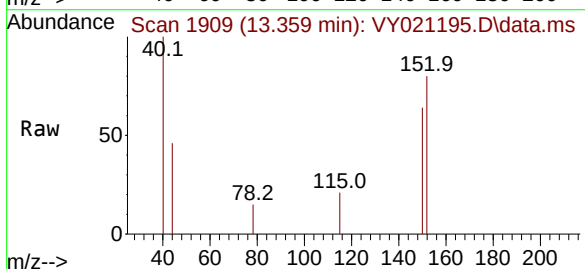
Tgt Ion:152 Resp: 332

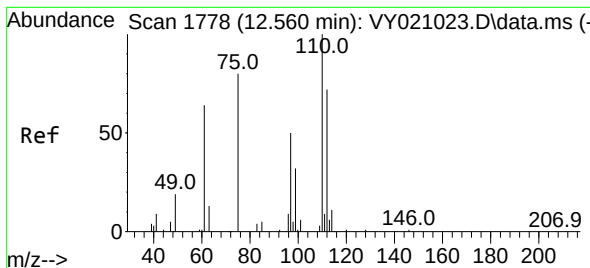
Ion Ratio Lower Upper

152 100

115 44.0 30.0 90.0

150 153.0 0.0 344.6

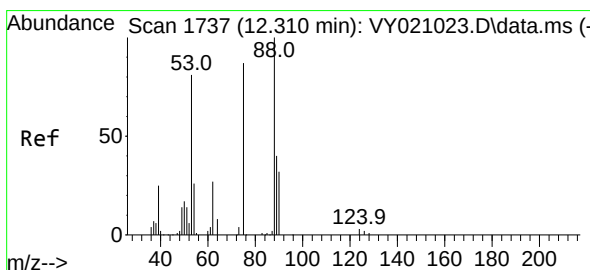
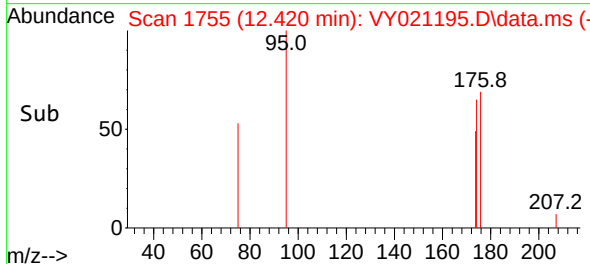
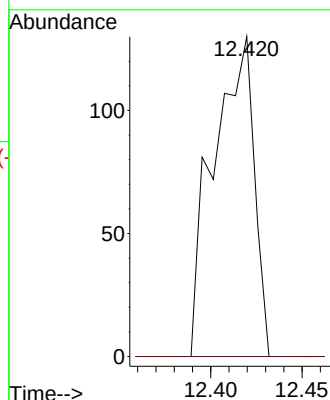
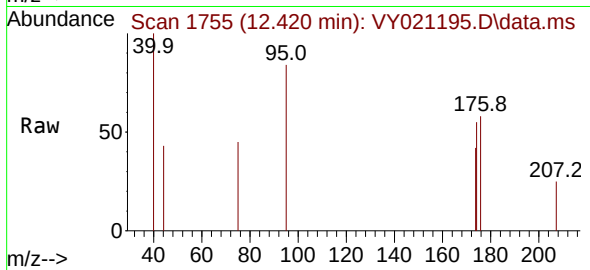




#76
1,2,3-Trichloropropane
Concen: 66.741 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. -0.140 min
Lab File: VY021195.D
Acq: 13 Feb 2025 16:51

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 201
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 136.183 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. 0.109 min
Lab File: VY021195.D
Acq: 13 Feb 2025 16:51

Tgt Ion: 75 Resp: 201
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

