

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020625\
 Data File : VY021127.D
 Acq On : 06 Feb 2025 21:26
 Operator : SY/MD
 Sample : Q1304-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 02:38:38 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)

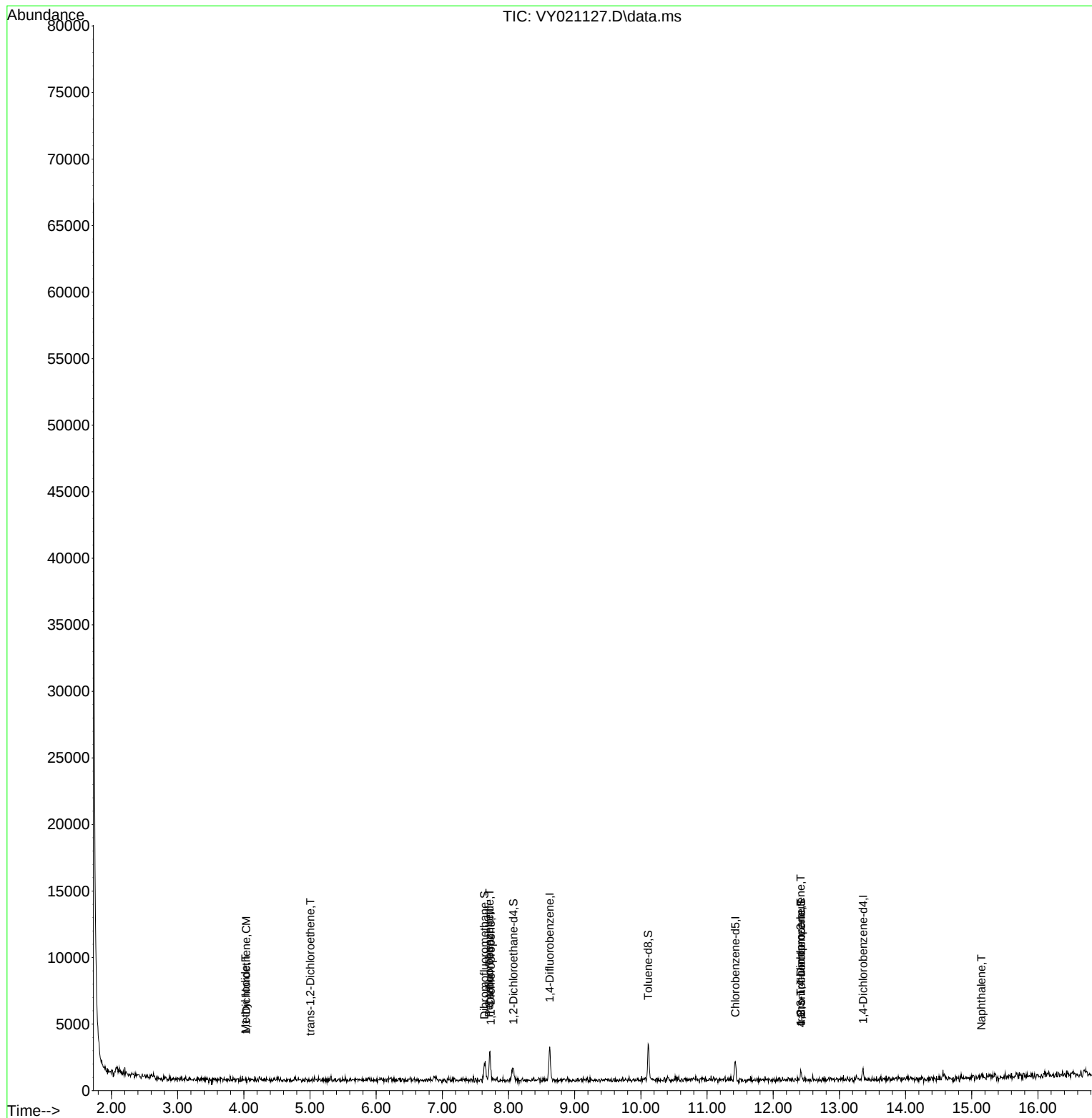
Internal Standards						
1) Pentafluorobenzene	7.707	168	1828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	2691	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	943	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	1009	53.873	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.740%	
35) Dibromofluoromethane	7.634	113	1117	64.770	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 129.540%	
50) Toluene-d8	10.109	98	2022	30.797	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 61.600%	
62) 4-Bromofluorobenzene	12.420	95	238	11.096	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 22.200%#	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.025	142	56	2.724	ug/l #	40
12) 1,1-Dichloroethene	4.037	96	23	1.320	ug/l #	1
21) trans-1,2-Dichloroethene	5.006	96	35	1.824	ug/l #	1
36) 1,1-Dichloropropene	7.732	75	97	3.797	ug/l #	42
38) Carbon Tetrachloride	7.713	117	173	5.796	ug/l #	12
76) 1,2,3-Trichloropropane	12.414	75	89	28.604	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	89	58.366	ug/l #	12
95) Naphthalene	15.145	128	391	42.373	ug/l #	69

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

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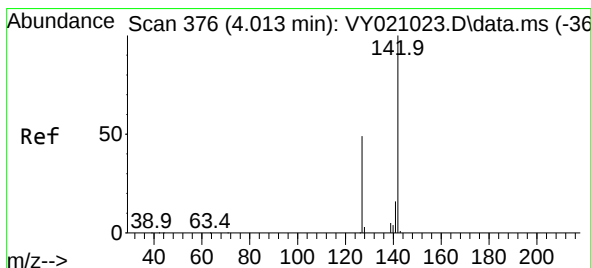
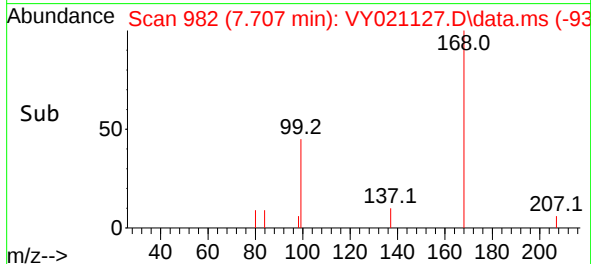
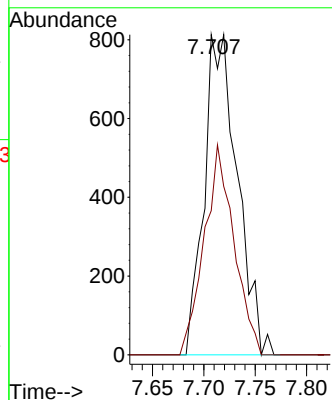
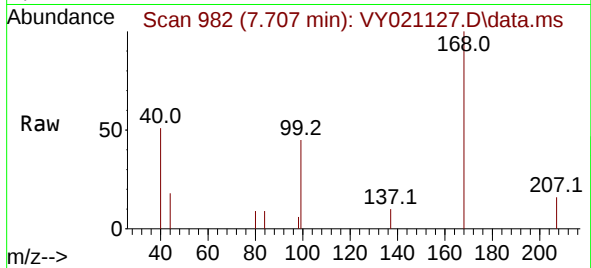




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021127.D
Acq: 06 Feb 2025 21:26

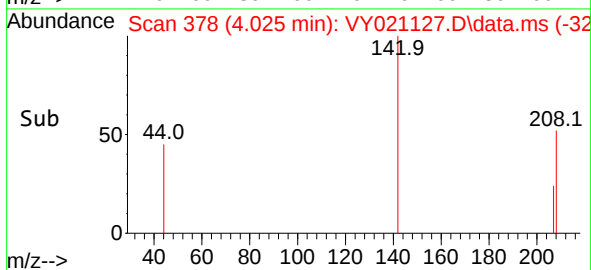
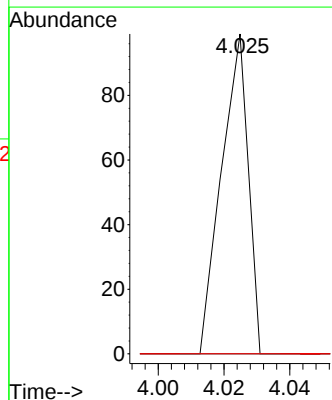
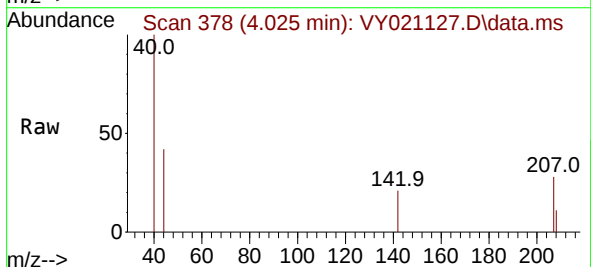
Instrument :
MSVOA_Y
ClientSampleId :

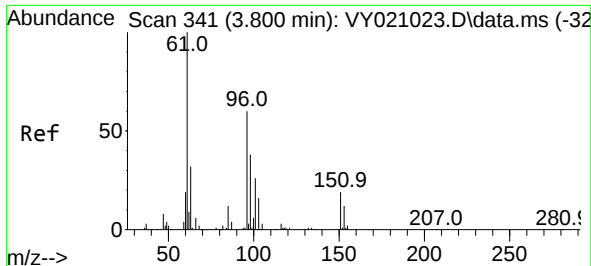
Tgt Ion:168 Resp: 1828
Ion Ratio Lower Upper
168 100
99 45.0 44.2 66.4



#10
Methyl Iodide
Concen: 2.724 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.012 min
Lab File: VY021127.D
Acq: 06 Feb 2025 21:26

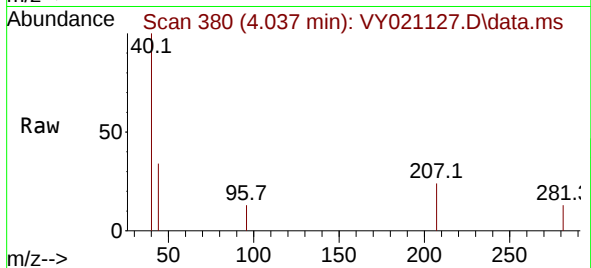
Tgt Ion:142 Resp: 56
Ion Ratio Lower Upper
142 100
127 0.0 35.1 52.7#
141 0.0 11.8 17.6#



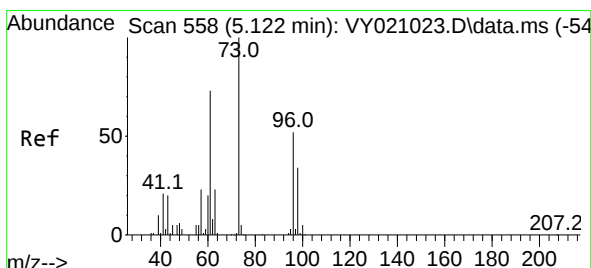
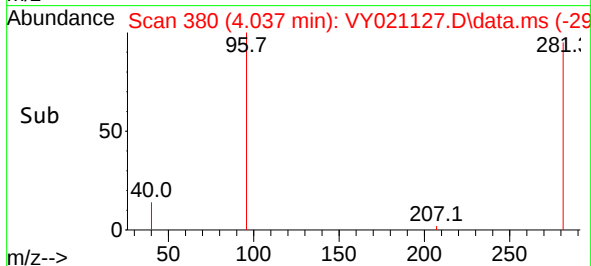
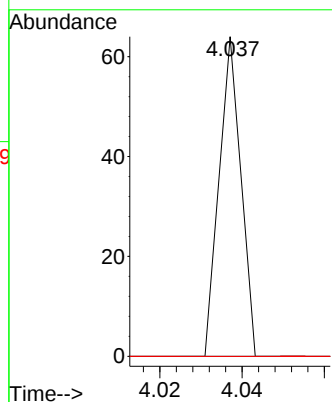


#12
1,1-Dichloroethene
Concen: 1.320 ug/l
RT: 4.037 min Scan# 31
Delta R.T. 0.238 min
Lab File: VY021127.D
Acq: 06 Feb 2025 21:26

Instrument :
MSVOA_Y
ClientSampleId :

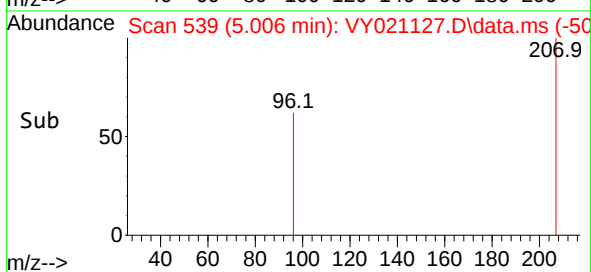
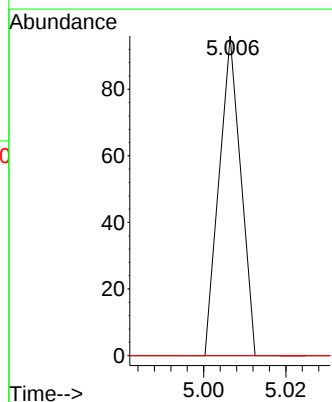
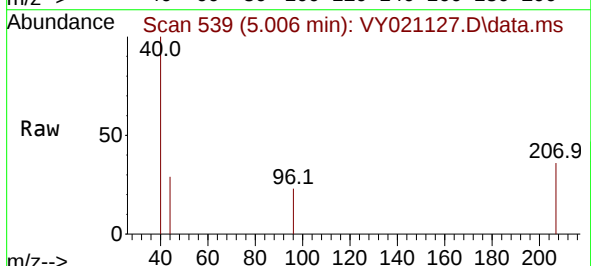


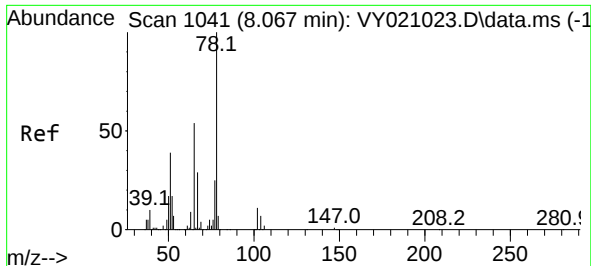
Tgt Ion: 96 Resp: 23
Ion Ratio Lower Upper
96 100
61 0.0 124.2 186.2#
98 0.0 52.6 79.0#



#21
trans-1,2-Dichloroethene
Concen: 1.824 ug/l
RT: 5.006 min Scan# 539
Delta R.T. -0.116 min
Lab File: VY021127.D
Acq: 06 Feb 2025 21:26

Tgt Ion: 96 Resp: 35
Ion Ratio Lower Upper
96 100
61 0.0 104.6 156.8#
98 0.0 50.9 76.3#





#33

1,2-Dichloroethane-d4

Concen: 53.873 ug/l

RT: 8.073 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VY021127.D

Acq: 06 Feb 2025 21:26

Instrument :

MSVOA_Y

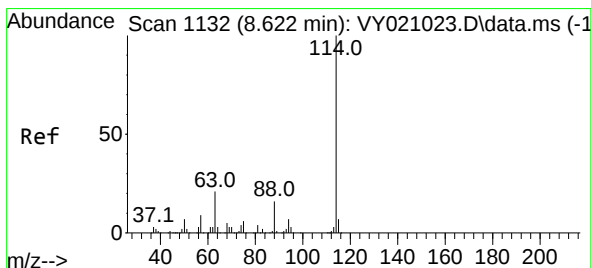
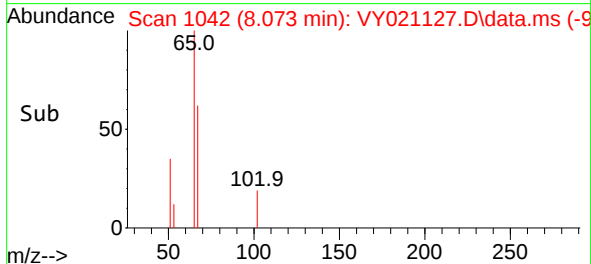
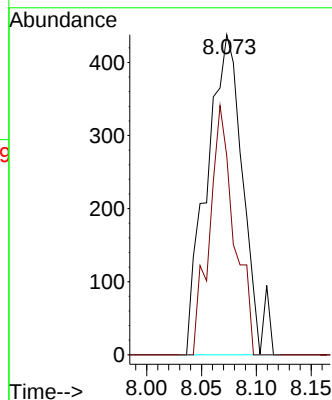
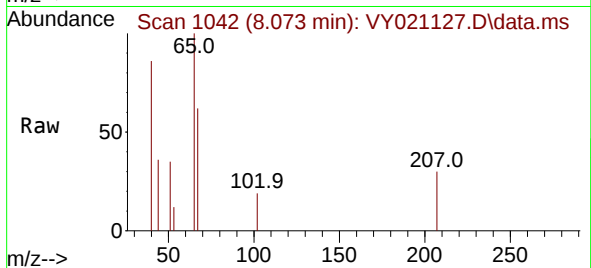
ClientSampleId :

Tgt Ion: 65 Resp: 1009

Ion Ratio Lower Upper

65 100

67 53.3 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021127.D

Acq: 06 Feb 2025 21:26

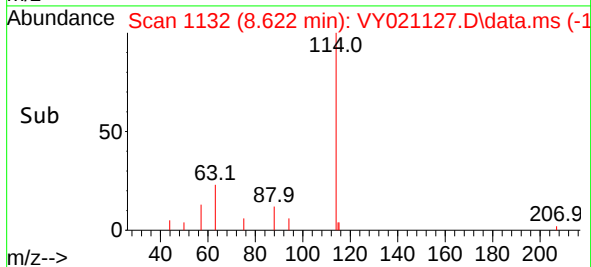
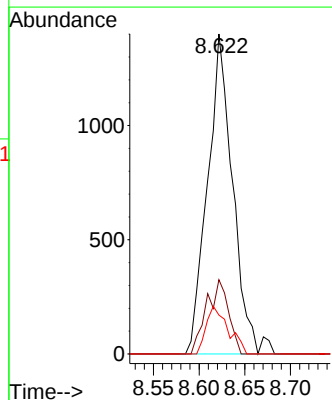
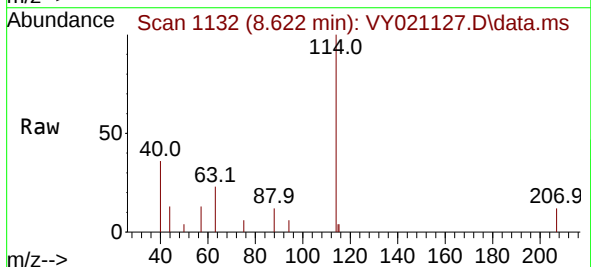
Tgt Ion: 114 Resp: 2691

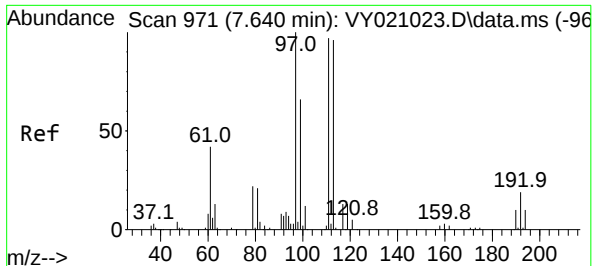
Ion Ratio Lower Upper

114 100

63 23.2 0.0 37.4

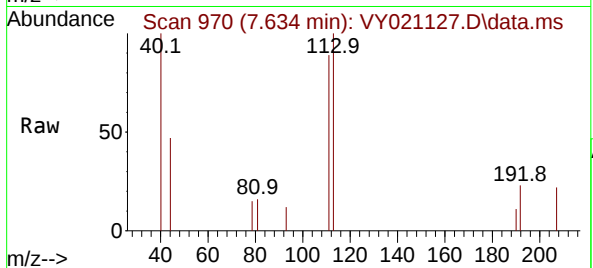
88 12.1 0.0 29.0



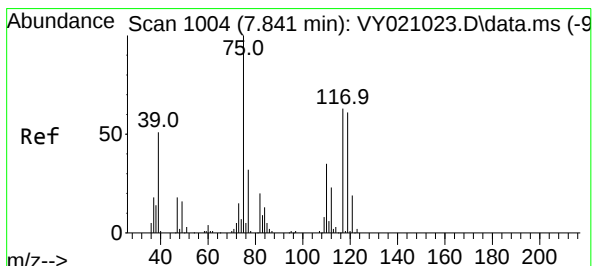
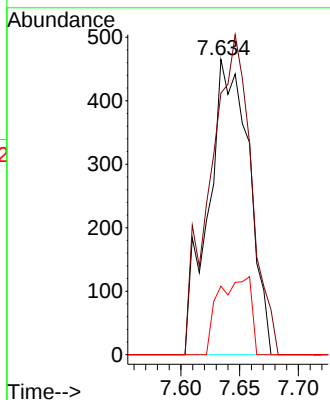
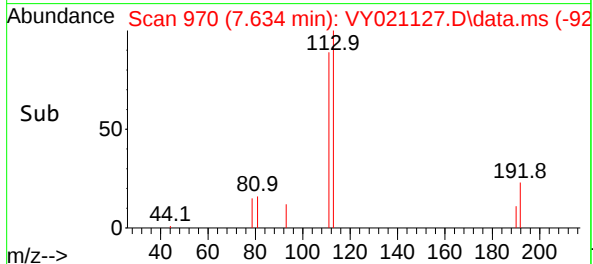


#35
Dibromofluoromethane
Concen: 64.770 ug/l
RT: 7.634 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY021127.D
Acq: 06 Feb 2025 21:26

Instrument :
MSVOA_Y
ClientSampleId :

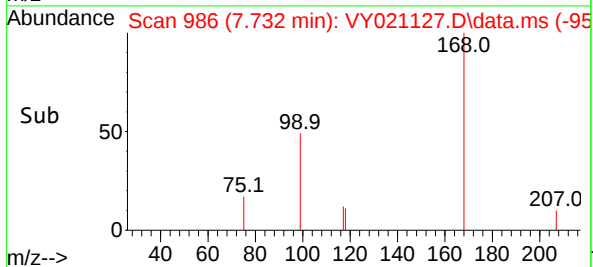
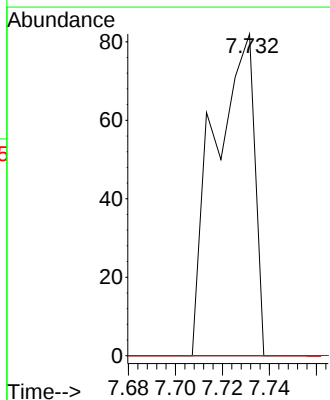
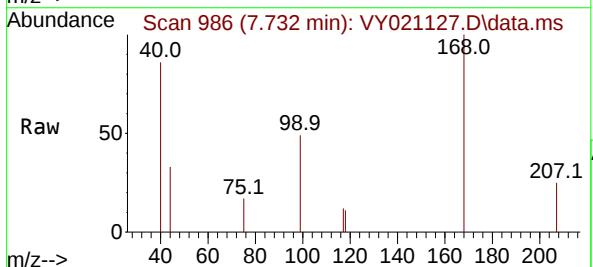


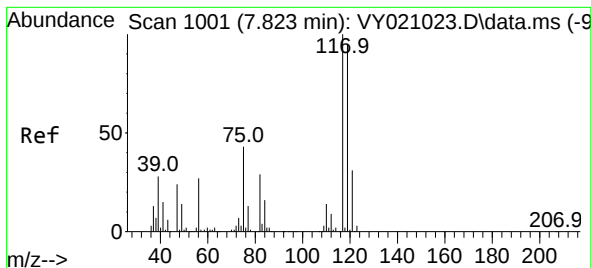
Tgt Ion:113 Resp: 1117
Ion Ratio Lower Upper
113 100
111 109.4 83.8 125.6
192 0.0 14.5 21.7#



#36
1,1-Dichloropropene
Concen: 3.797 ug/l
RT: 7.732 min Scan# 986
Delta R.T. -0.110 min
Lab File: VY021127.D
Acq: 06 Feb 2025 21:26

Tgt Ion: 75 Resp: 97
Ion Ratio Lower Upper
75 100
110 0.0 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.796 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.110 min

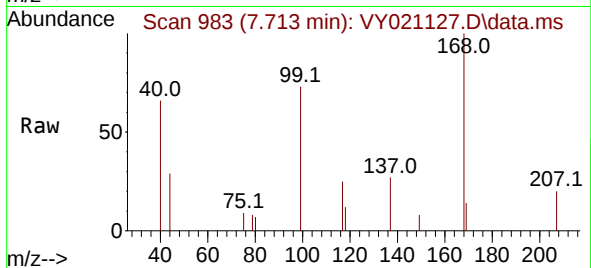
Lab File: VY021127.D

Acq: 06 Feb 2025 21:26

Instrument :

MSVOA_Y

ClientSampleId :



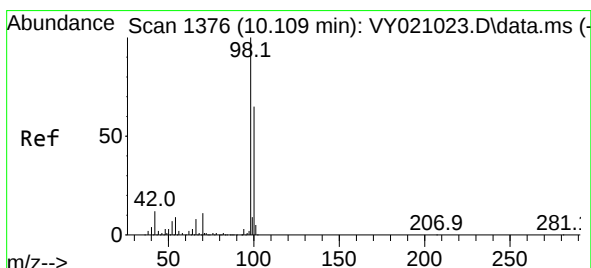
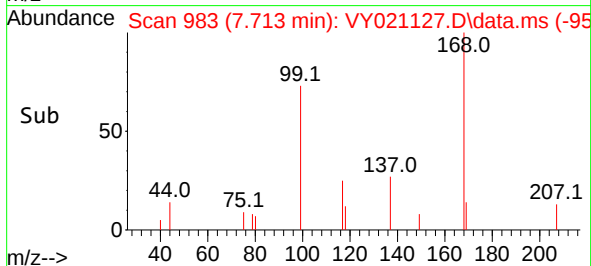
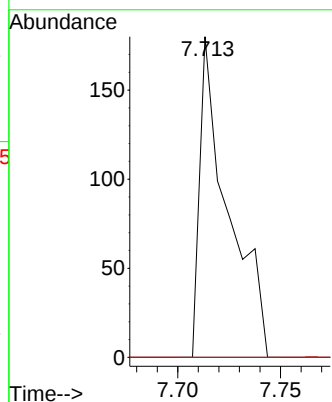
Tgt Ion:117 Resp: 173

Ion Ratio Lower Upper

117 100

119 0.0 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 30.797 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021127.D

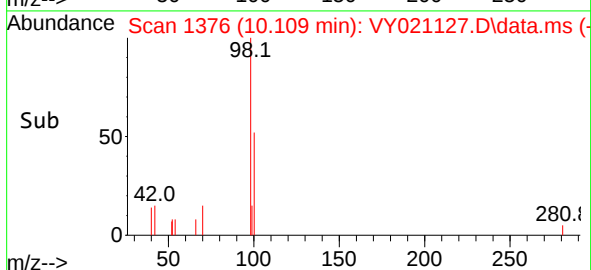
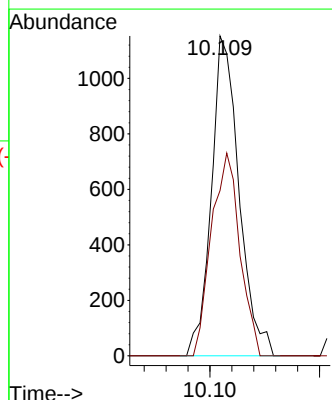
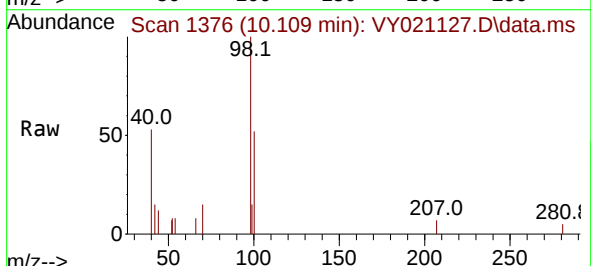
Acq: 06 Feb 2025 21:26

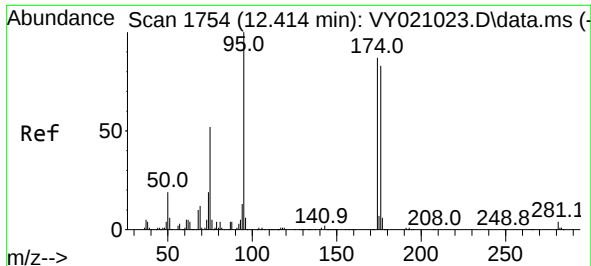
Tgt Ion: 98 Resp: 2022

Ion Ratio Lower Upper

98 100

100 65.0 52.3 78.5

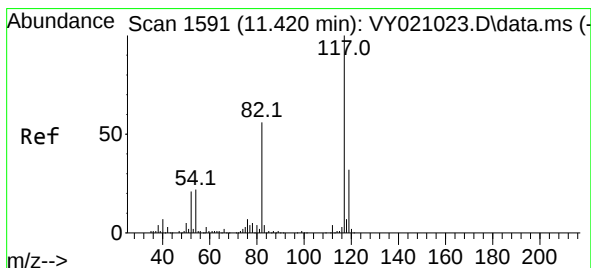
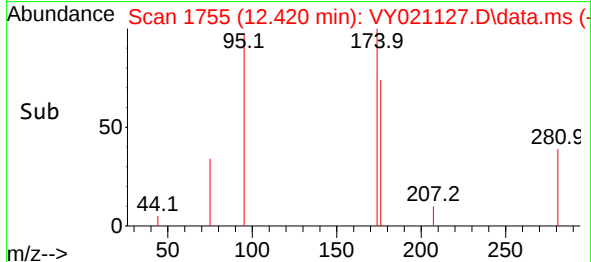
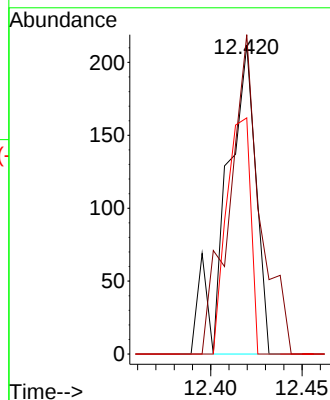
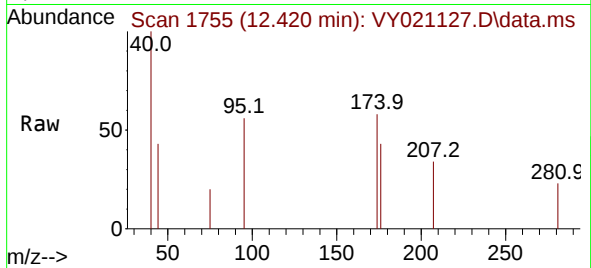




#62
4-Bromofluorobenzene
Concen: 11.096 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. 0.006 min
Lab File: VY021127.D
Acq: 06 Feb 2025 21:26

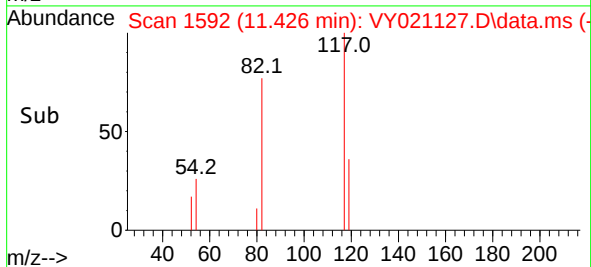
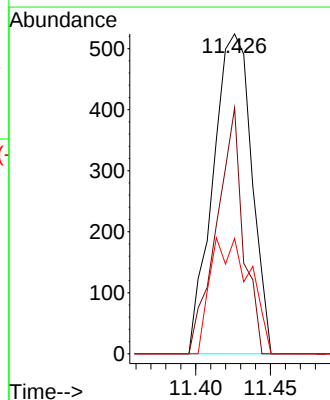
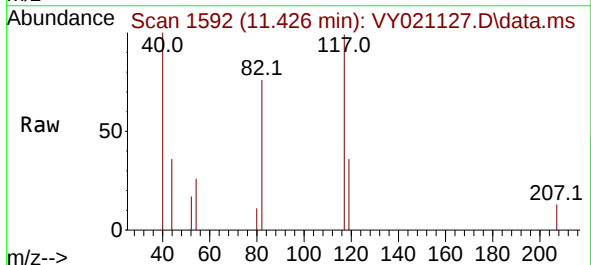
Instrument :
MSVOA_Y
ClientSampleId :

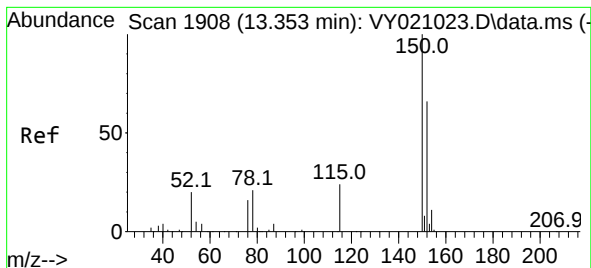
Tgt Ion: 95	Resp: 238
Ion Ratio	Lower Upper
95 100	
174 107.6	0.0 160.0
176 63.0	0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY021127.D
Acq: 06 Feb 2025 21:26

Tgt Ion: 117	Resp: 943
Ion Ratio	Lower Upper
117 100	
82 76.9	43.8 65.8
119 36.1	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

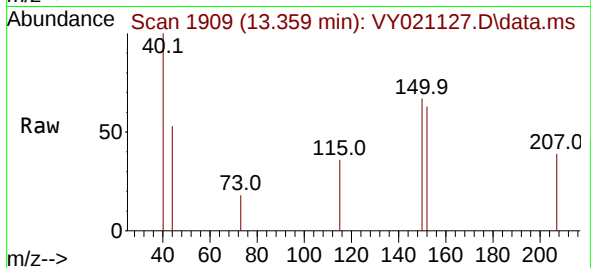
Lab File: VY021127.D

Acq: 06 Feb 2025 21:26

Instrument :

MSVOA_Y

ClientSampleId :



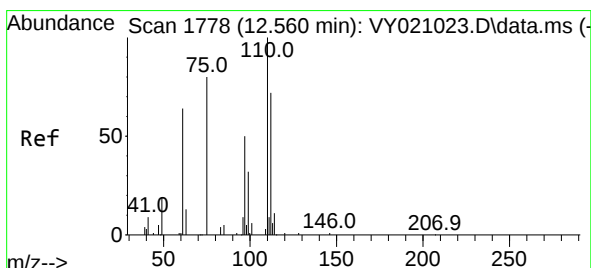
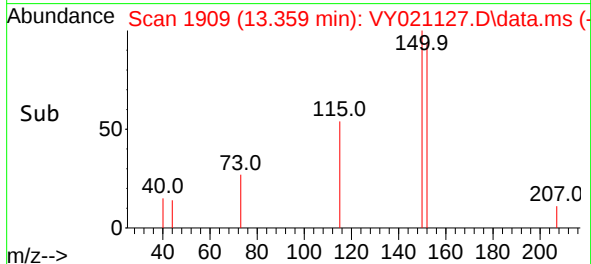
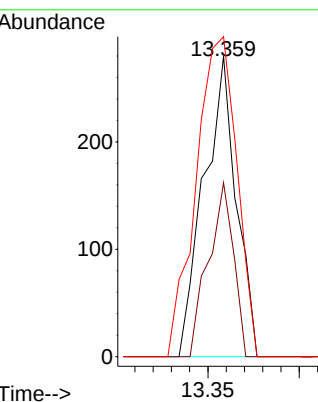
Tgt Ion:152 Resp: 343

Ion Ratio Lower Upper

152 100

115 45.2 30.0 90.0

150 135.0 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 28.604 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.147 min

Lab File: VY021127.D

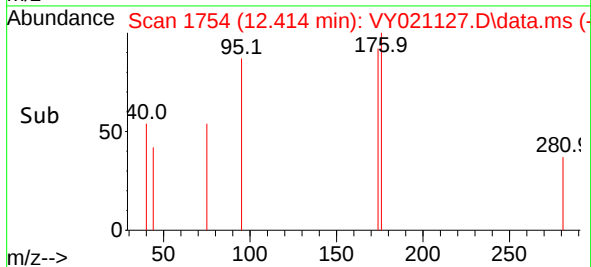
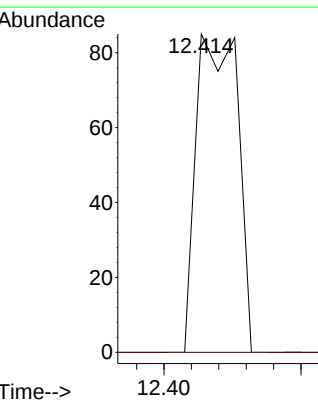
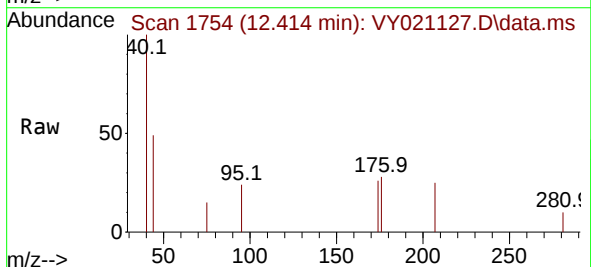
Acq: 06 Feb 2025 21:26

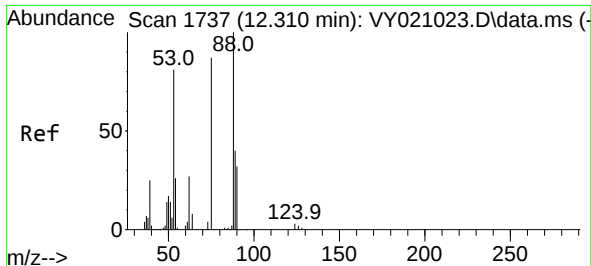
Tgt Ion: 75 Resp: 89

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

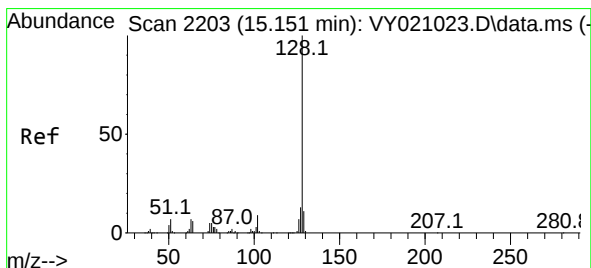
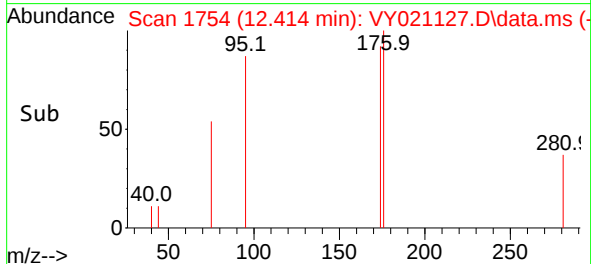
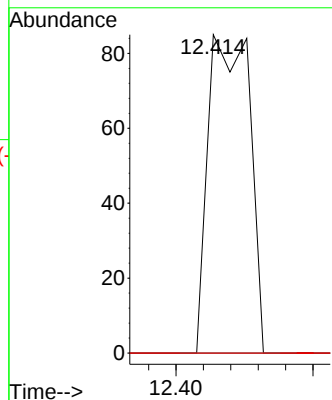
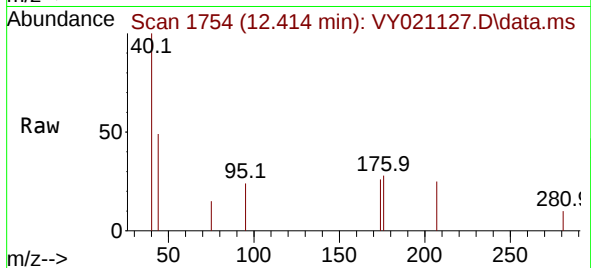




#81
trans-1,4-Dichloro-2-butene
Concen: 58.366 ug/l
RT: 12.414 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY021127.D
Acq: 06 Feb 2025 21:26

Instrument :
MSVOA_Y
ClientSampleId :

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



#95
Naphthalene
Concen: 42.373 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.006 min
Lab File: VY021127.D
Acq: 06 Feb 2025 21:26

Tgt Ion: 128 Resp: 391
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

