

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
 Data File : VY021054.D
 Acq On : 04 Feb 2025 13:29
 Operator : SY/MD
 Sample : Q1215-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 05 00:46:09 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)

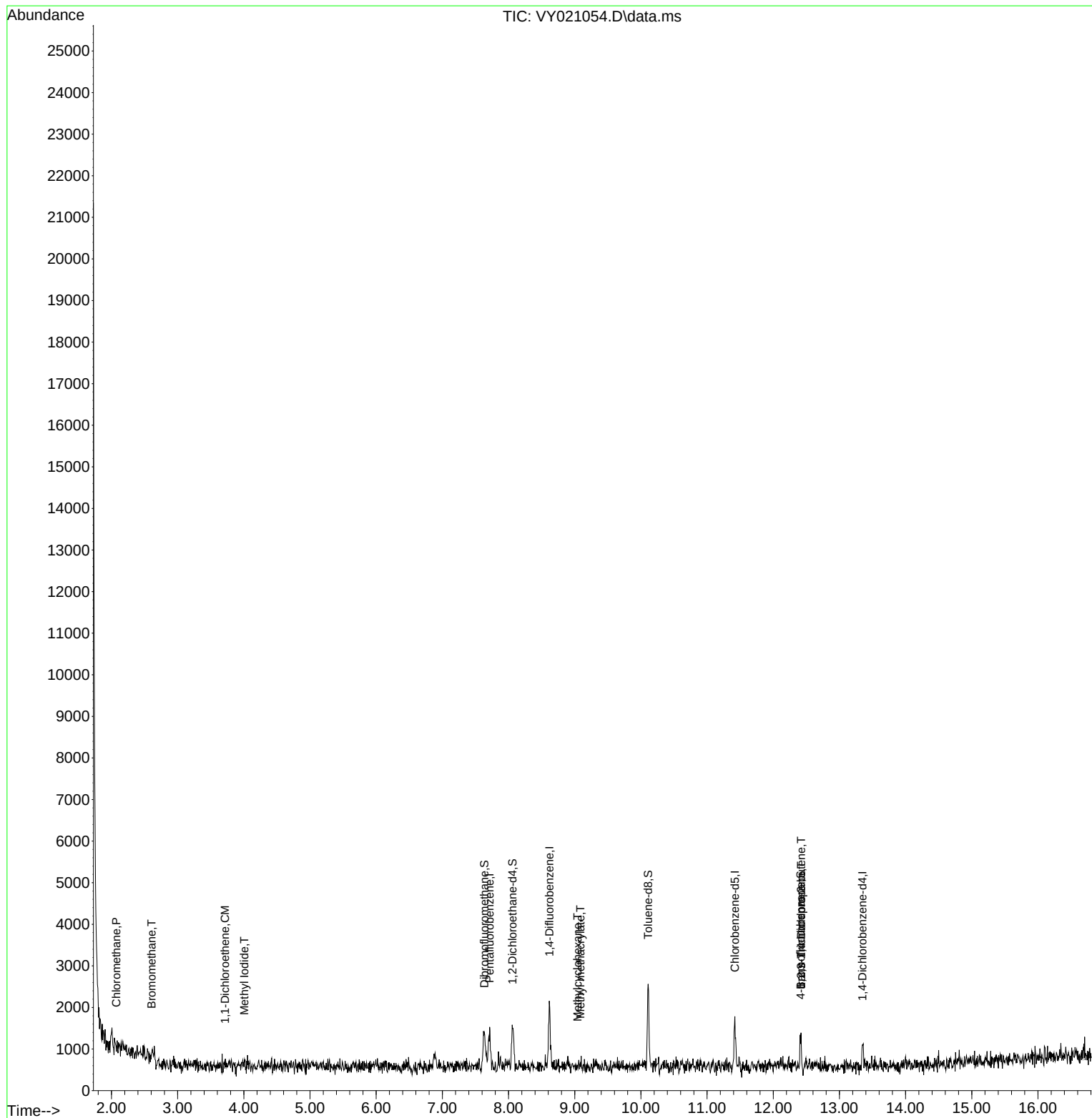
Internal Standards						
1) Pentafluorobenzene	7.713	168	989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	818	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	358	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	1053	103.917	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 207.840%#	
35) Dibromofluoromethane	7.634	113	872	76.057	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 152.120%#	
50) Toluene-d8	10.109	98	1608	36.840	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 73.680%	
62) 4-Bromofluorobenzene	12.414	95	200	14.026	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 28.060%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.074	50	58	6.668	ug/l #	41
5) Bromomethane	2.605	94	26	4.805	ug/l #	1
10) Methyl Iodide	4.007	142	20	1.798	ug/l #	40
12) 1,1-Dichloroethene	3.714	96	42	4.454	ug/l #	1
39) Methylcyclohexane	9.042	83	26	1.252	ug/l #	19
48) Methyl methacrylate	9.085	41	20	2.966	ug/l #	12
76) 1,2,3-Trichloropropane	12.420	75	115	35.412	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.420	75	115	72.257	ug/l #	12

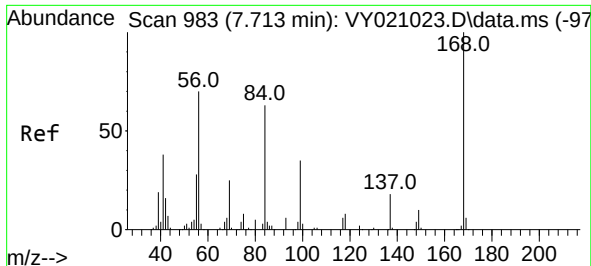
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_Y
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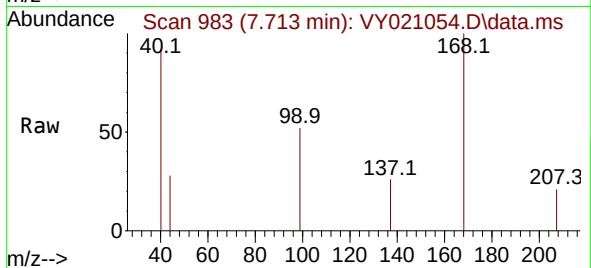
Quant Time: Feb 05 00:46:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
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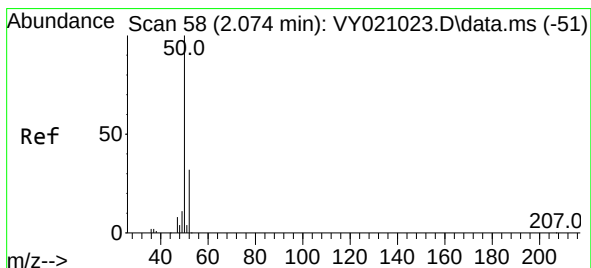
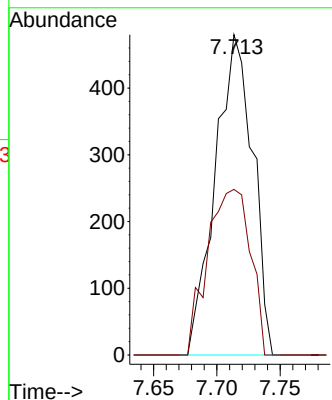
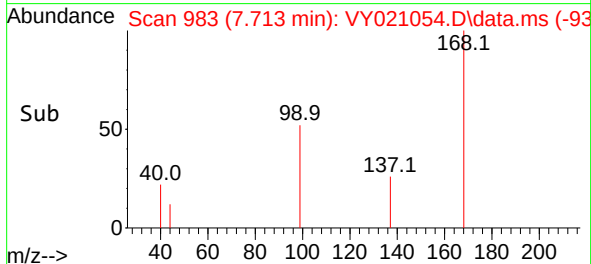


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 989
Delta R.T. 0.000 min
Lab File: VY021054.D
Acq: 04 Feb 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :

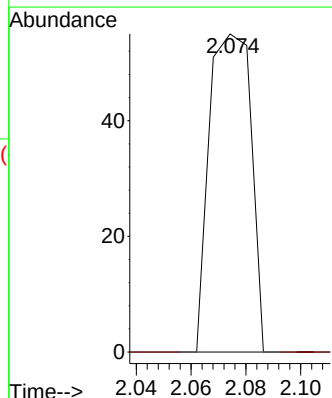
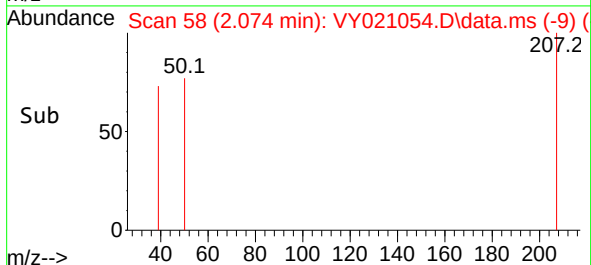
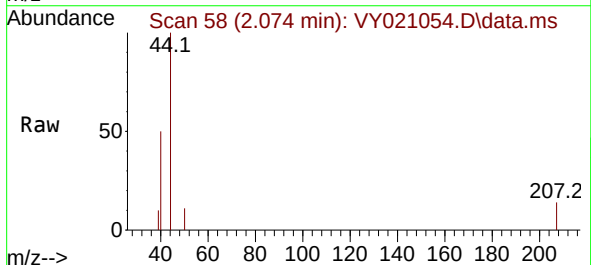


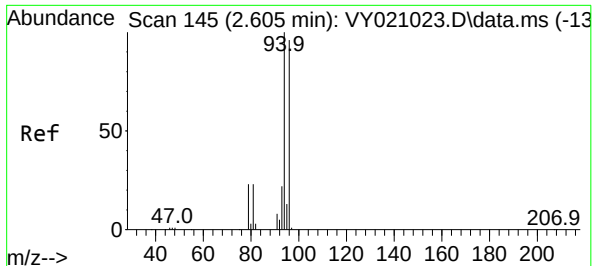
Tgt Ion:168 Resp: 989
Ion Ratio Lower Upper
168 100
99 51.7 44.2 66.4



#3
Chloromethane
Concen: 6.668 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.000 min
Lab File: VY021054.D
Acq: 04 Feb 2025 13:29

Tgt Ion: 50 Resp: 58
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

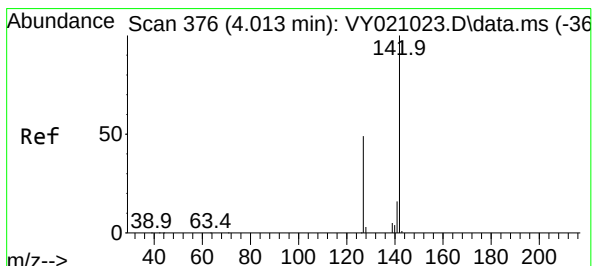
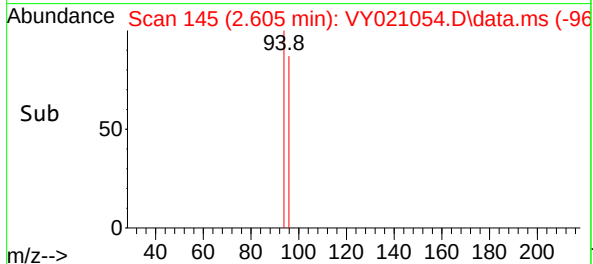
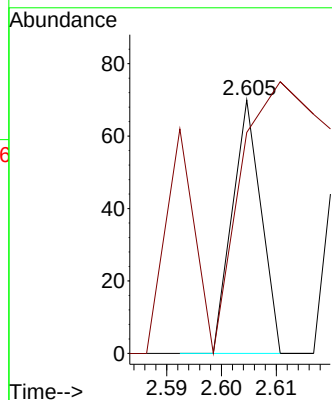
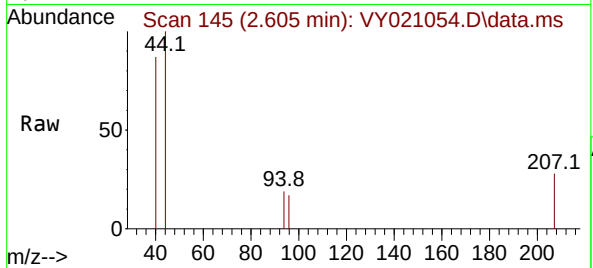




#5
Bromomethane
Concen: 4.805 ug/l
RT: 2.605 min Scan# 145
Delta R.T. -0.000 min
Lab File: VY021054.D
Acq: 04 Feb 2025 13:29

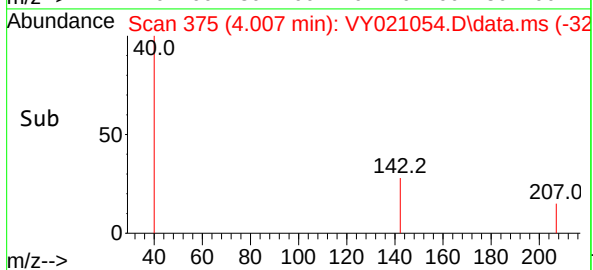
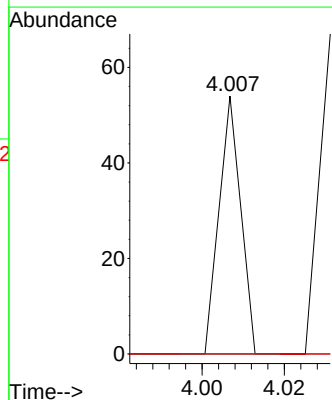
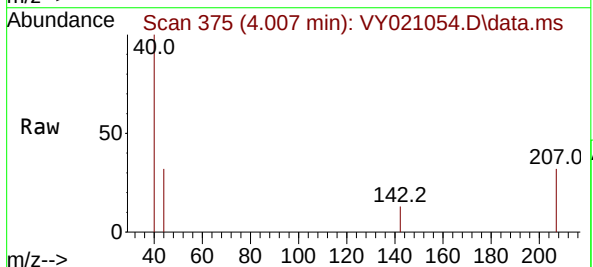
Instrument :
MSVOA_Y
ClientSampleId :

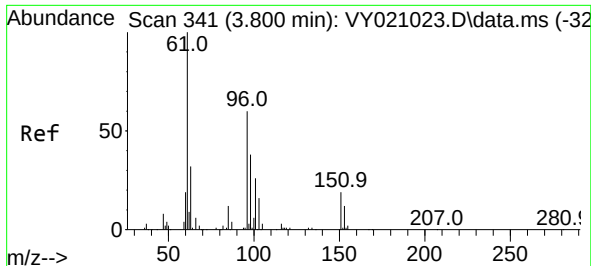
Tgt Ion: 94 Resp: 26
Ion Ratio Lower Upper
94 100
96 0.0 77.3 115.9#



#10
Methyl Iodide
Concen: 1.798 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY021054.D
Acq: 04 Feb 2025 13:29

Tgt Ion:142 Resp: 20
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: 4.454 ug/l

RT: 3.714 min Scan# 31

Delta R.T. -0.085 min

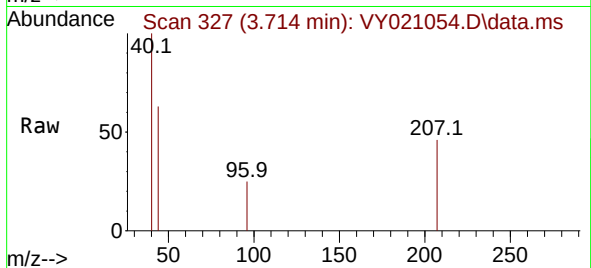
Lab File: VY021054.D

Acq: 04 Feb 2025 13:29

Instrument :

MSVOA_Y

ClientSampleId :



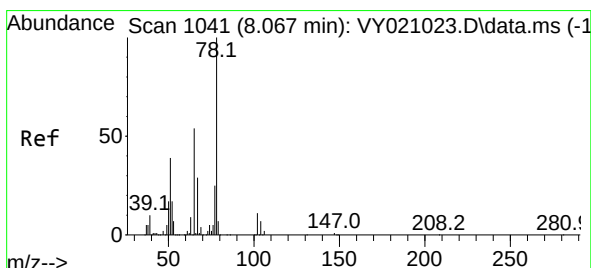
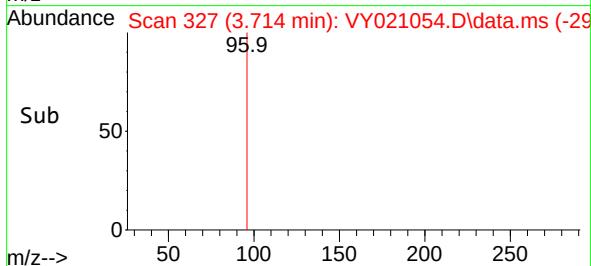
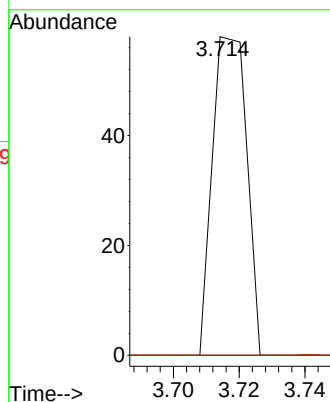
Tgt Ion: 96 Resp: 42

Ion Ratio Lower Upper

96 100

61 0.0 124.2 186.2#

98 0.0 52.6 79.0#



#33

1,2-Dichloroethane-d4

Concen: 103.917 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY021054.D

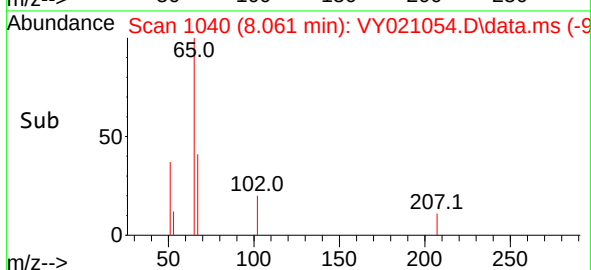
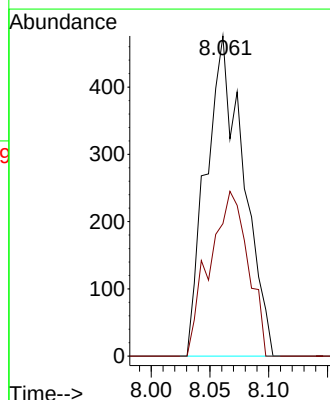
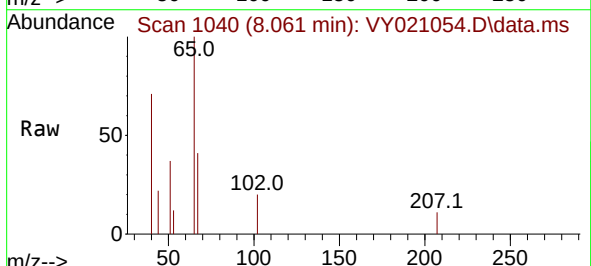
Acq: 04 Feb 2025 13:29

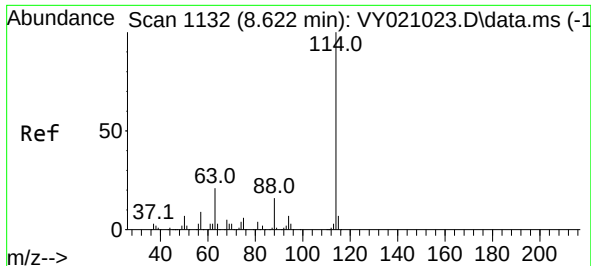
Tgt Ion: 65 Resp: 1053

Ion Ratio Lower Upper

65 100

67 53.1 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: VY021054.D

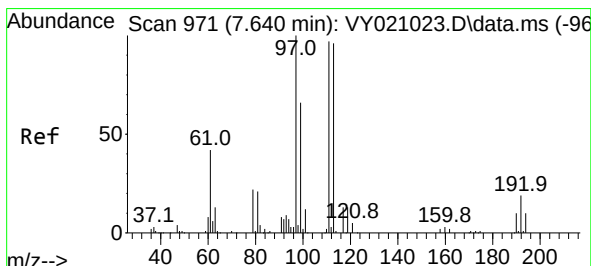
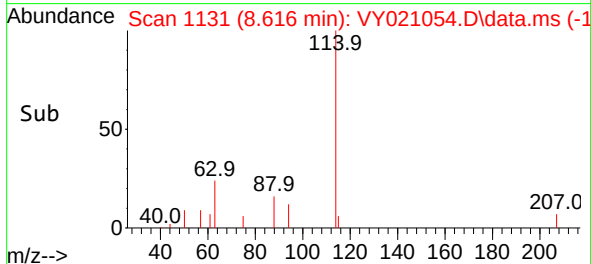
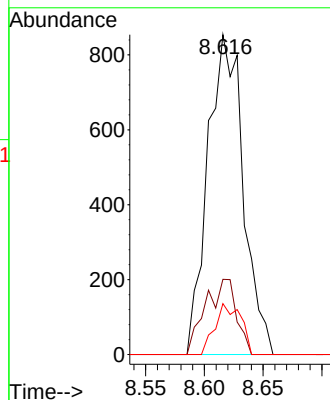
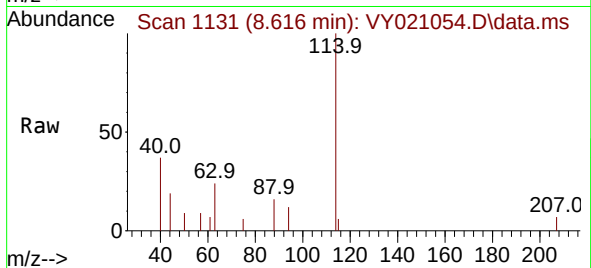
Acq: 04 Feb 2025 13:29

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	1789
Ion	Ratio	Lower Upper
114	100	
63	23.5	0.0 37.4
88	15.9	0.0 29.0



#35

Dibromofluoromethane

Concen: 76.057 ug/l

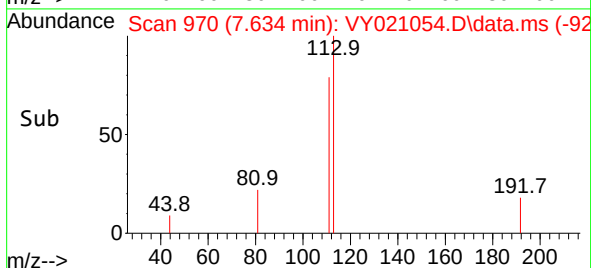
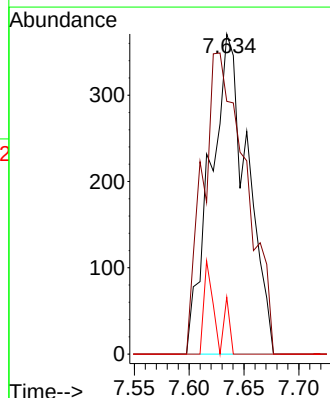
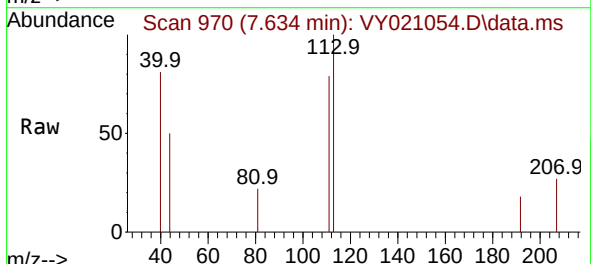
RT: 7.634 min Scan# 970

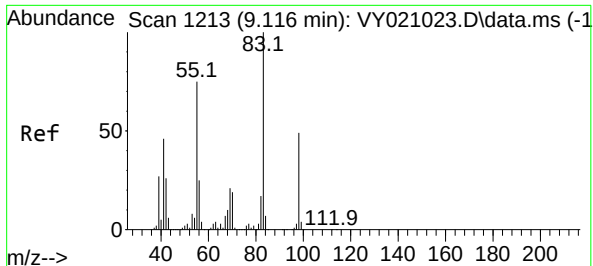
Delta R.T. -0.006 min

Lab File: VY021054.D

Acq: 04 Feb 2025 13:29

Tgt Ion:113	Resp:	872
Ion	Ratio	Lower Upper
113	100	
111	109.3	83.8 125.6
192	6.9	14.5 21.7





#39

Methylcyclohexane

Concen: 1.252 ug/l

RT: 9.042 min Scan# 11

Delta R.T. -0.073 min

Lab File: VY021054.D

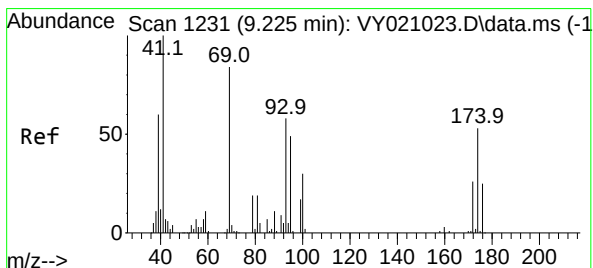
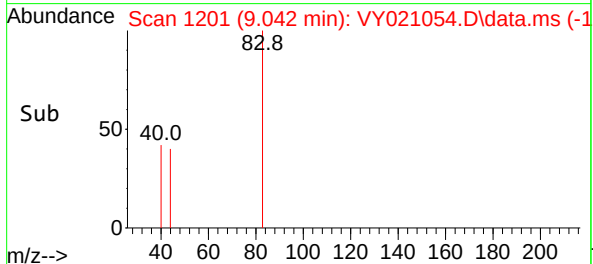
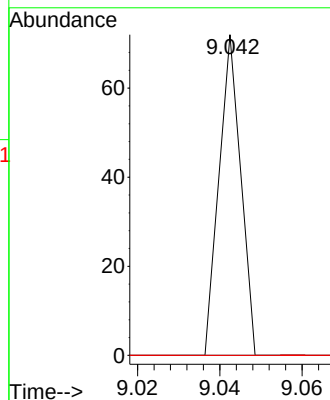
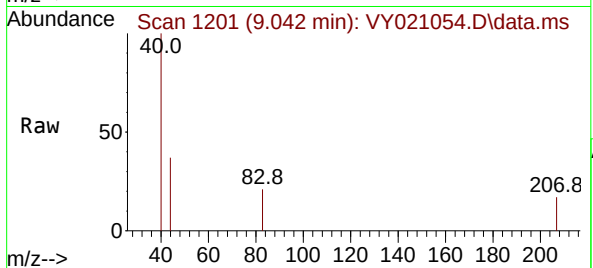
Acq: 04 Feb 2025 13:29

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 83	Resp: 26
Ion Ratio	Lower Upper
83 100	
55 0.0	59.7 89.5#
98 0.0	38.0 57.0#



#48

Methyl methacrylate

Concen: 2.966 ug/l

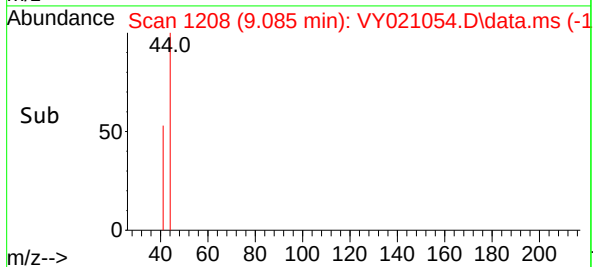
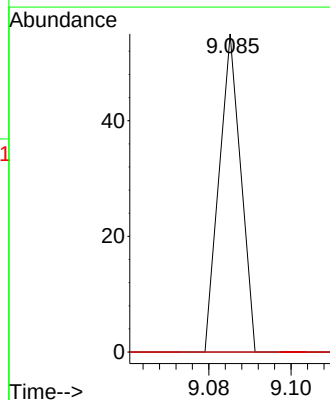
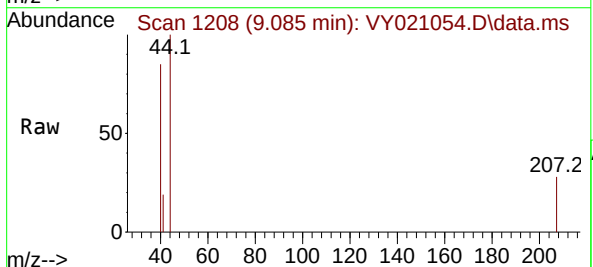
RT: 9.085 min Scan# 1208

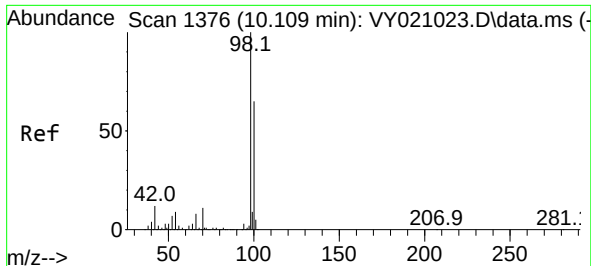
Delta R.T. -0.140 min

Lab File: VY021054.D

Acq: 04 Feb 2025 13:29

Tgt Ion: 41	Resp: 20
Ion Ratio	Lower Upper
41 100	
69 0.0	72.1 108.1#
39 0.0	42.8 64.2#

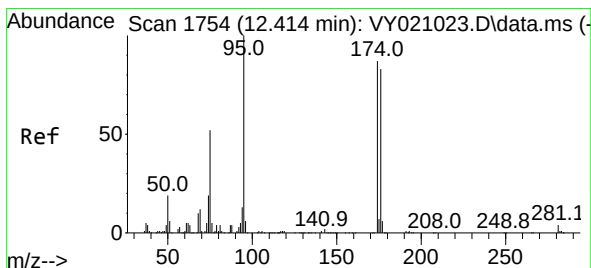
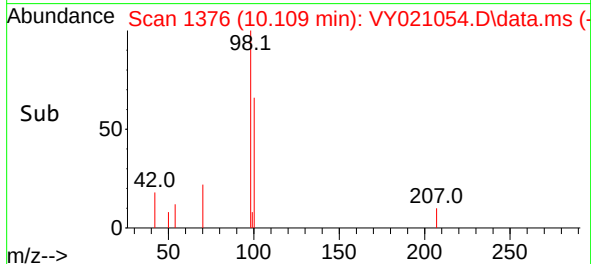
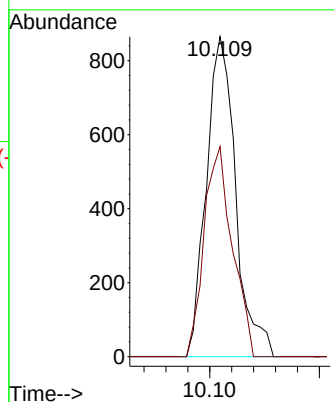
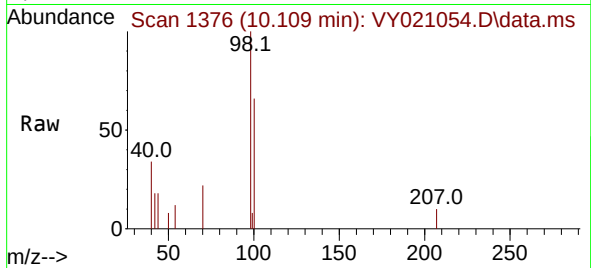




#50
Toluene-d8
Concen: 36.840 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021054.D
Acq: 04 Feb 2025 13:29

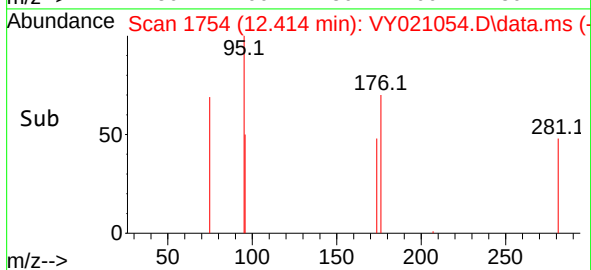
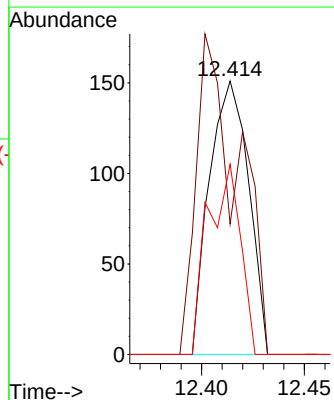
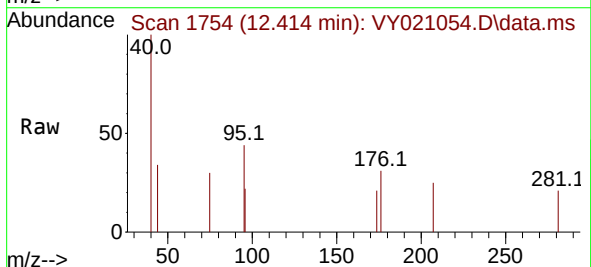
Instrument :
MSVOA_Y
ClientSampleId :

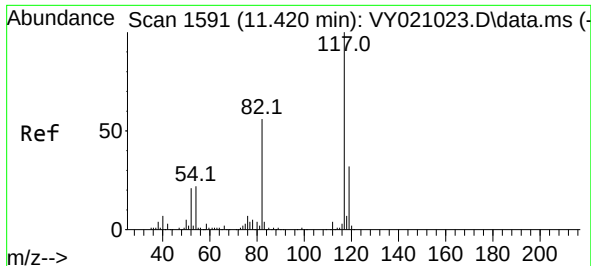
Tgt Ion: 98 Resp: 1608
Ion Ratio Lower Upper
98 100
100 63.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 14.026 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021054.D
Acq: 04 Feb 2025 13:29

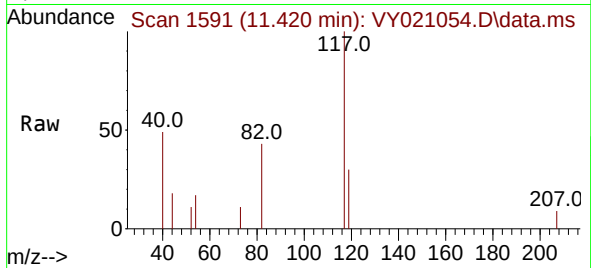
Tgt Ion: 95 Resp: 200
Ion Ratio Lower Upper
95 100
174 124.5 0.0 160.0
176 58.0 0.0 151.8



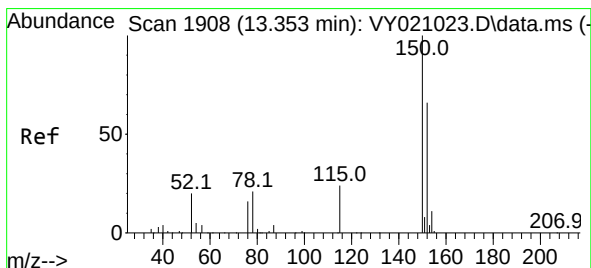
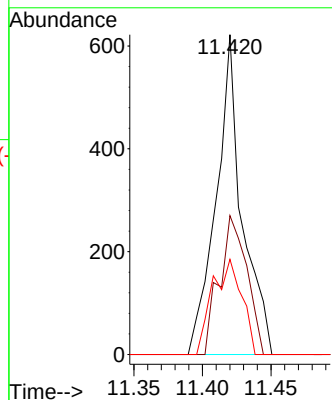
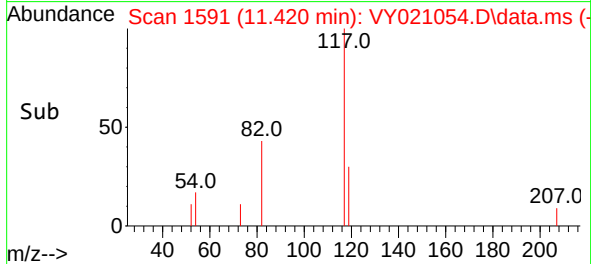


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021054.D
Acq: 04 Feb 2025 13:29

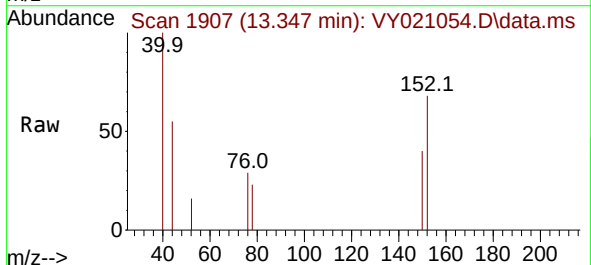
Instrument :
MSVOA_Y
ClientSampleId :



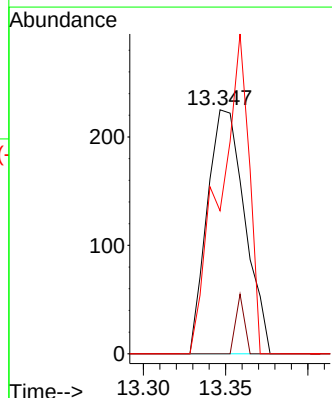
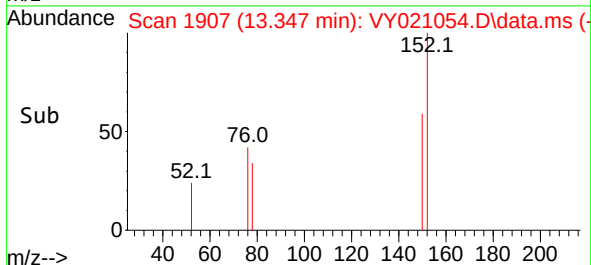
Tgt Ion:117 Resp: 818
Ion Ratio Lower Upper
117 100
82 43.4 43.8 65.8#
119 29.7 26.5 39.7

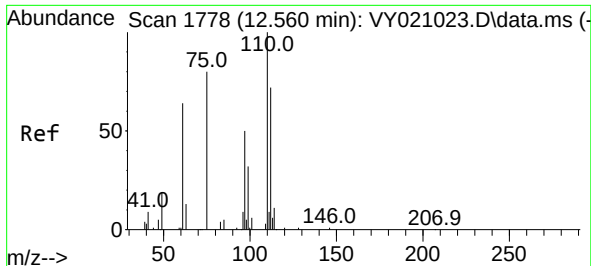


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021054.D
Acq: 04 Feb 2025 13:29



Tgt Ion:152 Resp: 358
Ion Ratio Lower Upper
152 100
115 5.6 30.0 90.0#
150 102.2 0.0 344.6

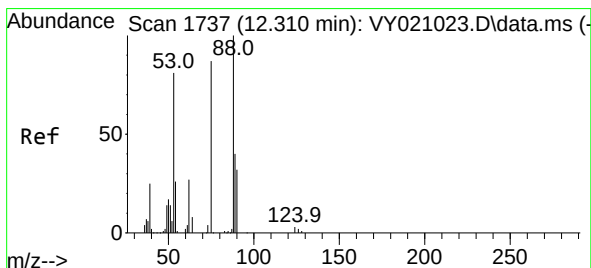
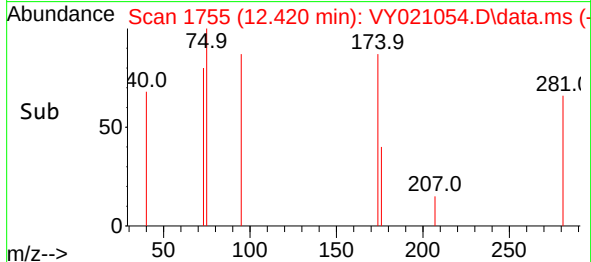
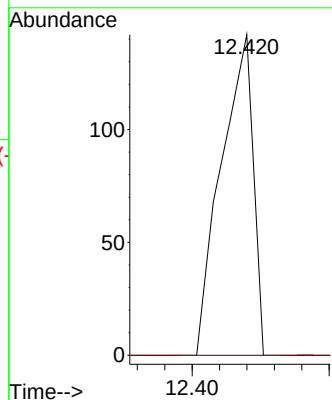
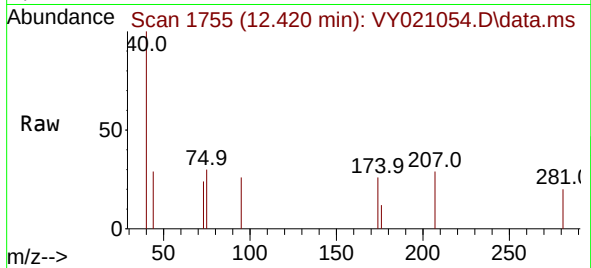




#76
1,2,3-Trichloropropane
Concen: 35.412 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. -0.140 min
Lab File: VY021054.D
Acq: 04 Feb 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 115
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 72.257 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. 0.110 min
Lab File: VY021054.D
Acq: 04 Feb 2025 13:29

Tgt Ion: 75 Resp: 115
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

