

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021425\
 Data File : VY021205.D
 Acq On : 14 Feb 2025 12:40
 Operator : SY/MD
 Sample : Q1365-04
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 14 22:18:43 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)

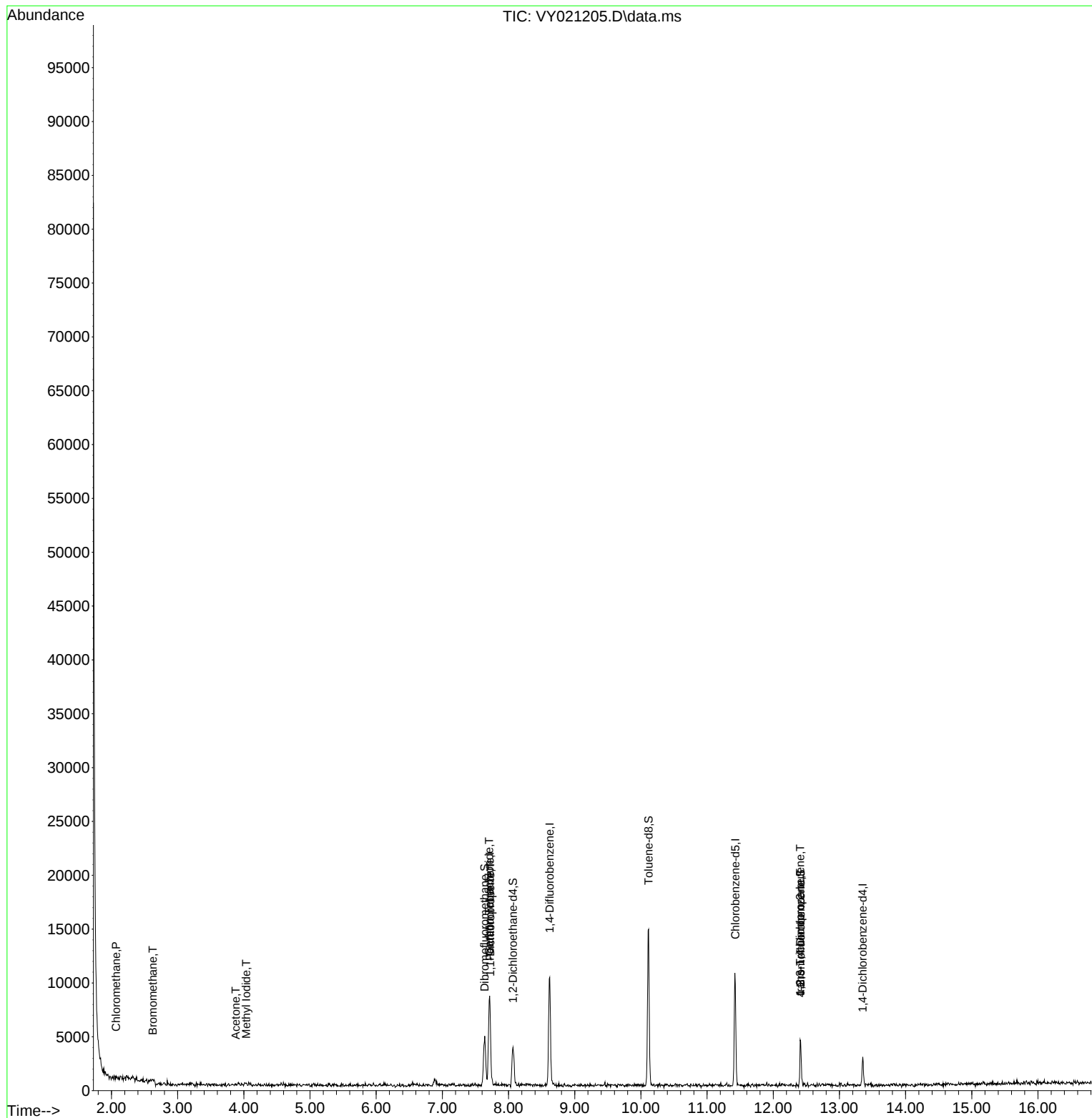
Internal Standards						
1) Pentafluorobenzene	7.719	168	6643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	9045	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	5819	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	3088	45.370	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.740%
35) Dibromofluoromethane	7.640	113	3164	54.583	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.160%
50) Toluene-d8	10.115	98	10043	45.509	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.020%
62) 4-Bromofluorobenzene	12.414	95	1410	19.557	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	39.120%
Target Compounds						
					Qvalue	
3) Chloromethane	2.068	50	152	2.602	ug/l #	41
5) Bromomethane	2.623	94	142	3.907	ug/l	81
10) Methyl Iodide	4.037	142	308	4.123	ug/l #	87
16) Acetone	3.879	43	72	6.783	ug/l #	41
36) 1,1-Dichloropropene	7.725	75	545	6.348	ug/l #	42
38) Carbon Tetrachloride	7.707	117	723	7.207	ug/l #	12
76) 1,2,3-Trichloropropane	12.408	75	777	109.815	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	777	224.074	ug/l #	12

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

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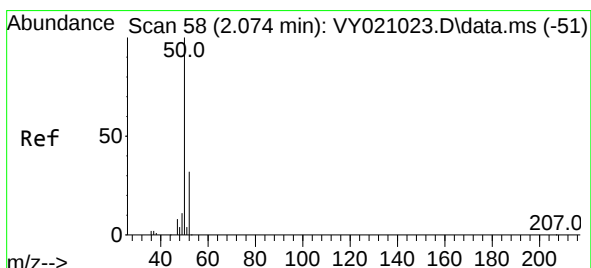
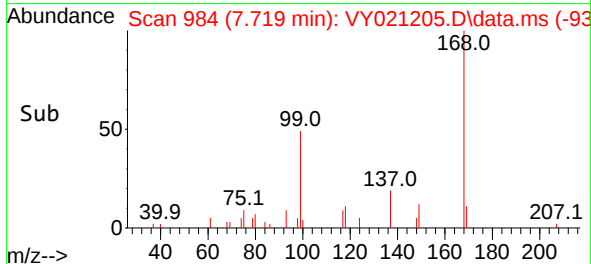
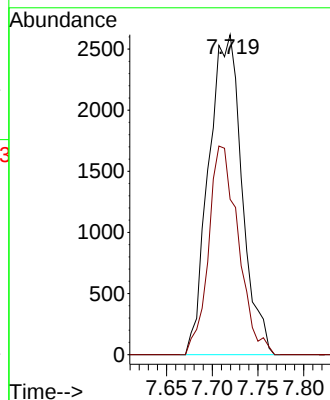
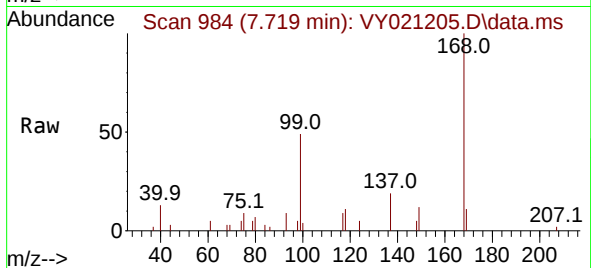




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021205.D
Acq: 14 Feb 2025 12:40

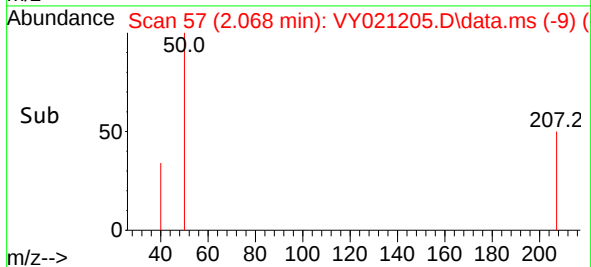
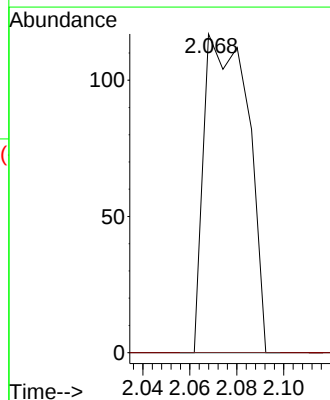
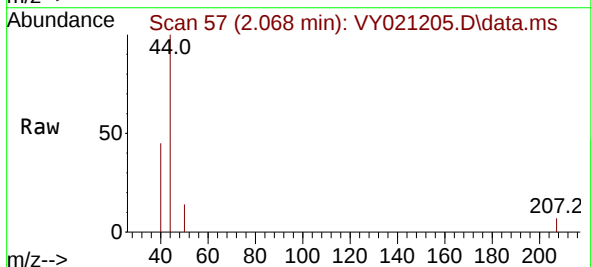
Instrument :
MSVOA_Y
ClientSampleId :

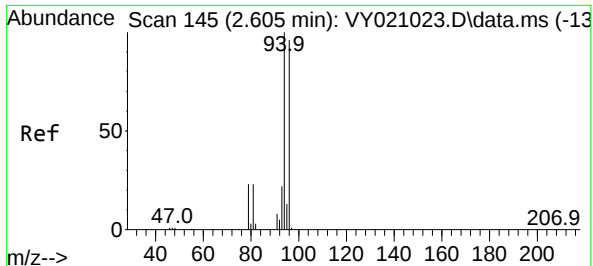
Tgt Ion:168 Resp: 6643
Ion Ratio Lower Upper
168 100
99 48.5 44.2 66.4



#3
Chloromethane
Concen: 2.602 ug/l
RT: 2.068 min Scan# 57
Delta R.T. -0.006 min
Lab File: VY021205.D
Acq: 14 Feb 2025 12:40

Tgt Ion: 50 Resp: 152
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

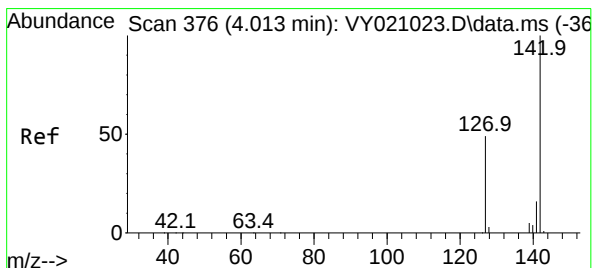
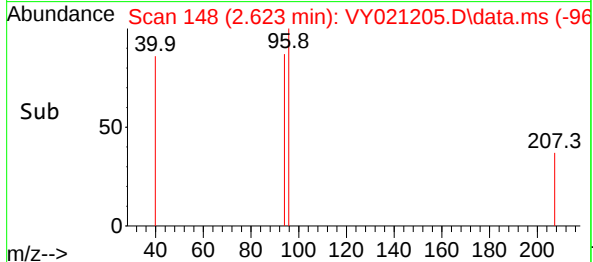
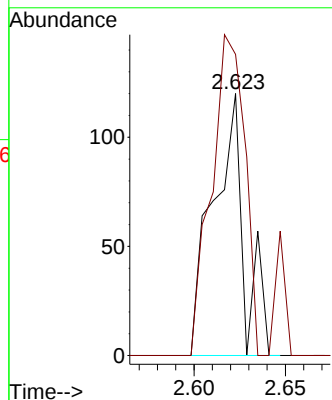
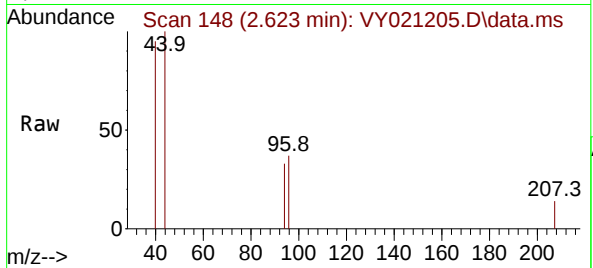




#5
Bromomethane
Concen: 3.907 ug/l
RT: 2.623 min Scan# 145
Delta R.T. 0.018 min
Lab File: VY021205.D
Acq: 14 Feb 2025 12:40

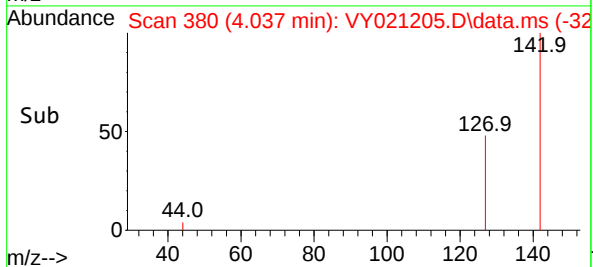
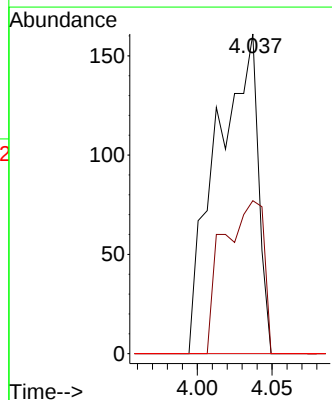
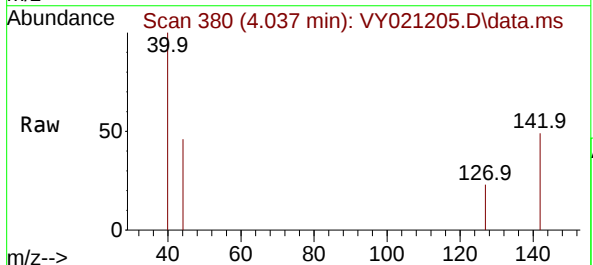
Instrument :
MSVOA_Y
ClientSampleId :

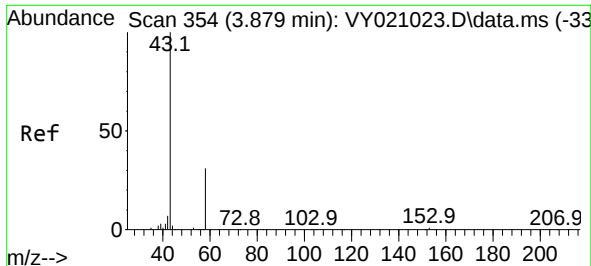
Tgt Ion: 94 Resp: 142
Ion Ratio Lower Upper
94 100
96 115.0 77.3 115.9



#10
Methyl Iodide
Concen: 4.123 ug/l
RT: 4.037 min Scan# 380
Delta R.T. 0.024 min
Lab File: VY021205.D
Acq: 14 Feb 2025 12:40

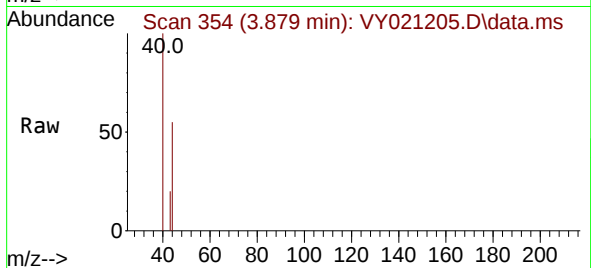
Tgt Ion:142 Resp: 308
Ion Ratio Lower Upper
142 100
127 47.1 35.1 52.7
141 0.0 11.8 17.6#



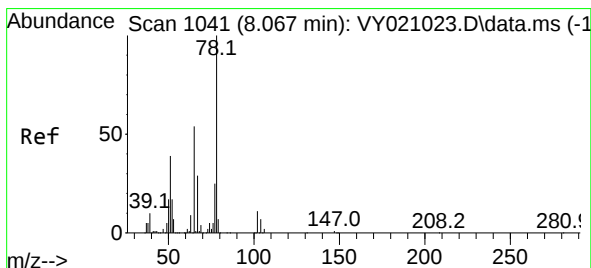
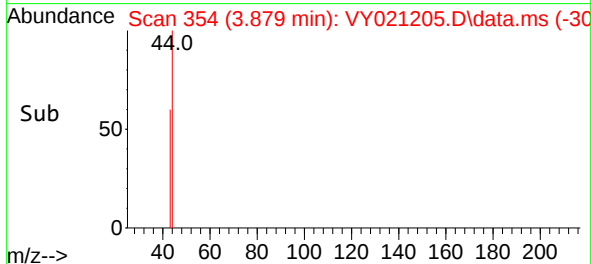
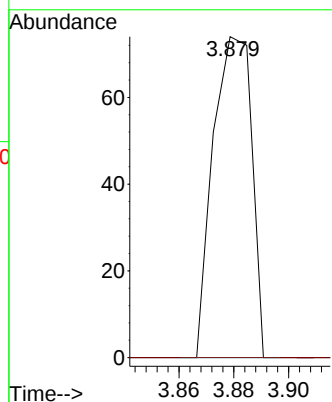


#16
Acetone
Concen: 6.783 ug/l
RT: 3.879 min Scan# 316
Delta R.T. -0.000 min
Lab File: VY021205.D
Acq: 14 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :

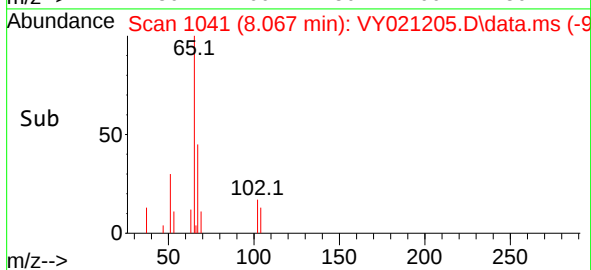
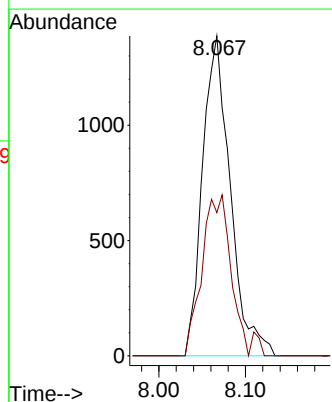
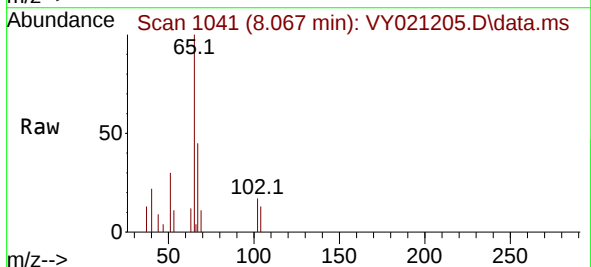


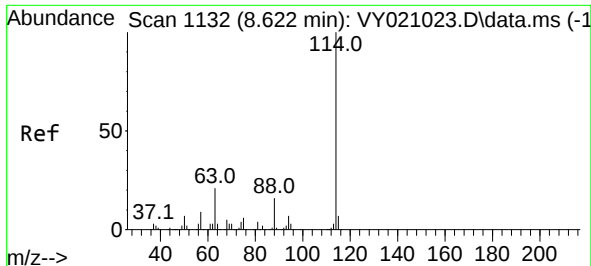
Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
58 0.0 26.6 39.8#



#33
1,2-Dichloroethane-d4
Concen: 45.370 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021205.D
Acq: 14 Feb 2025 12:40

Tgt Ion: 65 Resp: 3088
Ion Ratio Lower Upper
65 100
67 51.8 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: VY021205.D

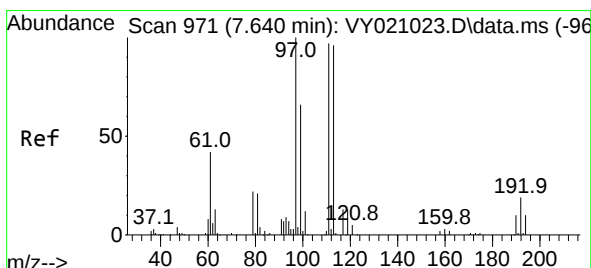
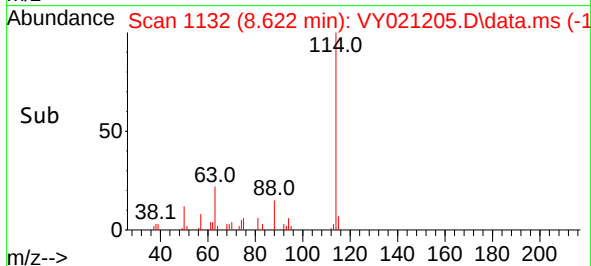
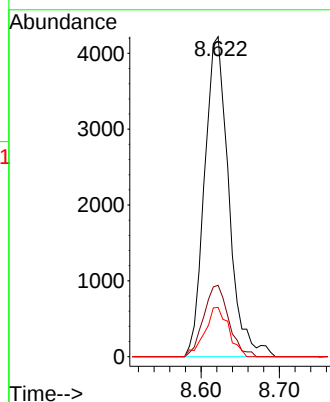
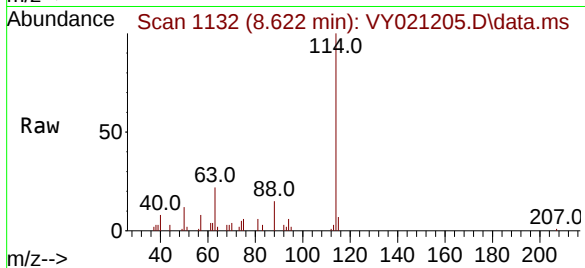
Acq: 14 Feb 2025 12:40

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	114	Resp:	9045
Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	37.4
88	15.4	0.0	29.0



#35

Dibromofluoromethane

Concen: 54.583 ug/l

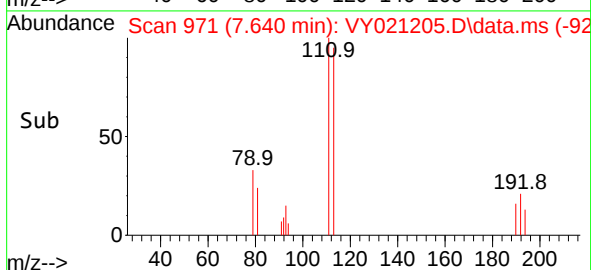
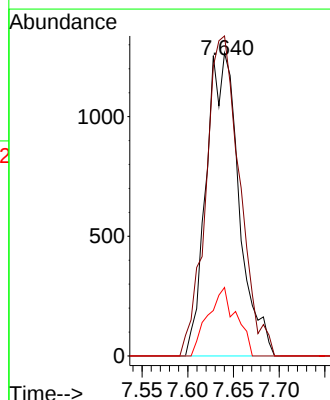
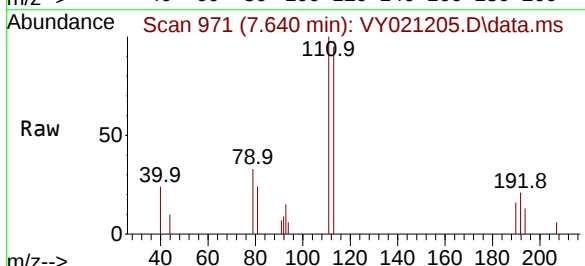
RT: 7.640 min Scan# 971

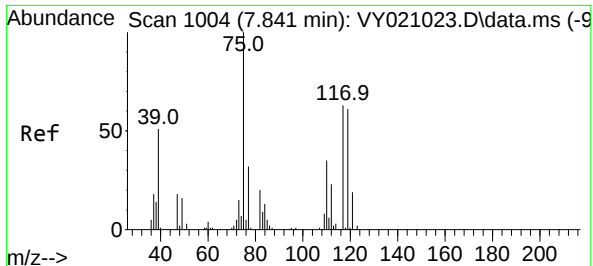
Delta R.T. -0.000 min

Lab File: VY021205.D

Acq: 14 Feb 2025 12:40

Tgt Ion:	113	Resp:	3164
Ion	Ratio	Lower	Upper
113	100		
111	108.8	83.8	125.6
192	19.5	14.5	21.7





#36

1,1-Dichloropropene

Concen: 6.348 ug/l

RT: 7.725 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY021205.D

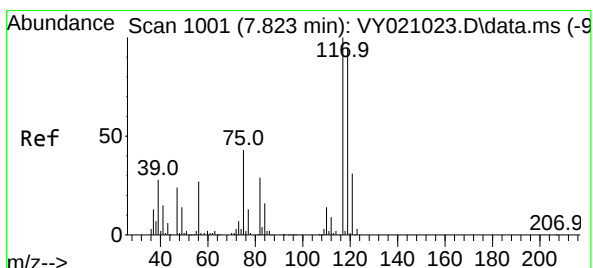
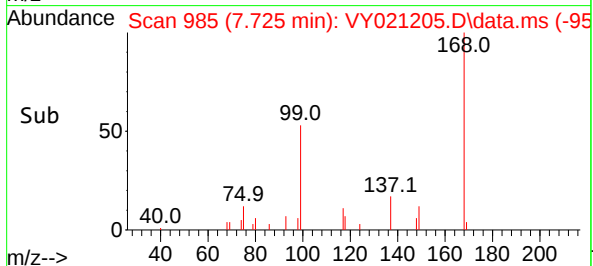
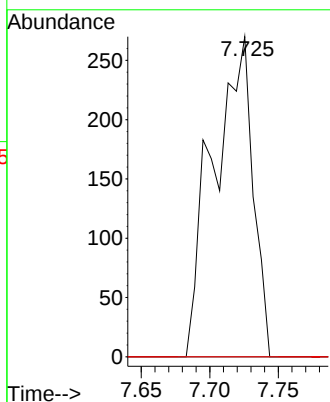
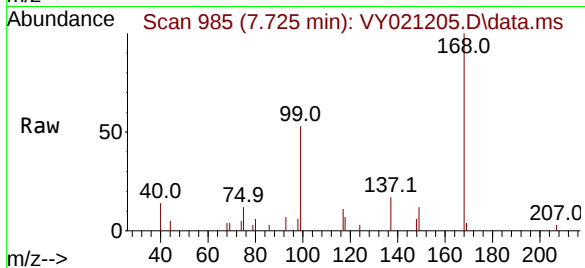
Acq: 14 Feb 2025 12:40

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp:	545
Ion Ratio	Lower	Upper
75	100	
110	0.0	17.4 52.3#
77	0.0	24.7 37.1#



#38

Carbon Tetrachloride

Concen: 7.207 ug/l

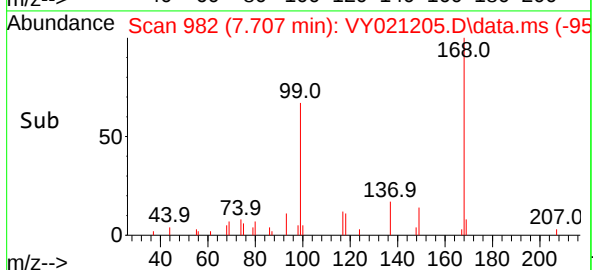
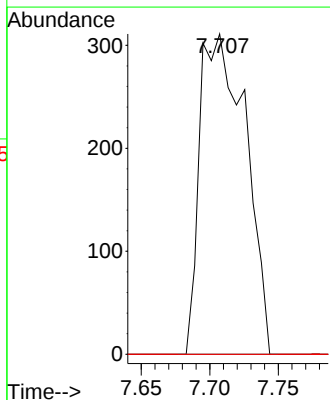
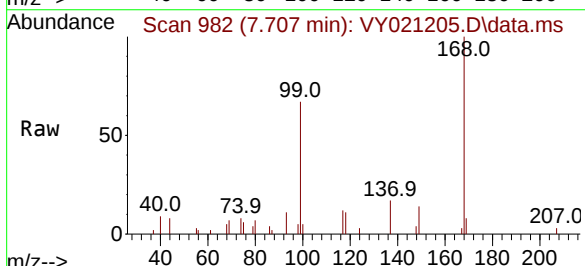
RT: 7.707 min Scan# 982

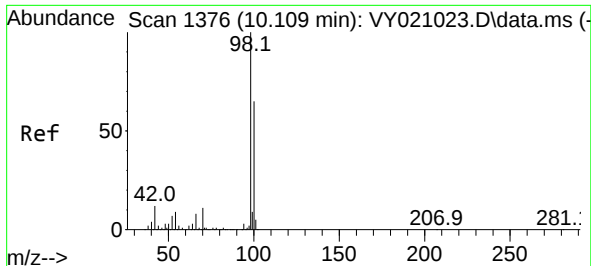
Delta R.T. -0.116 min

Lab File: VY021205.D

Acq: 14 Feb 2025 12:40

Tgt Ion: 117	Resp:	723
Ion Ratio	Lower	Upper
117	100	
119	0.0	76.0 114.0#
121	0.0	24.2 36.2#

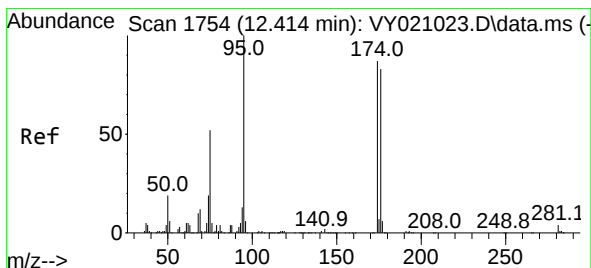
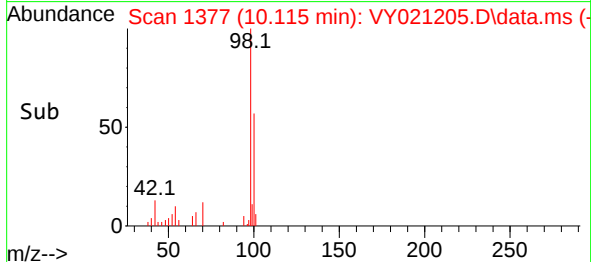
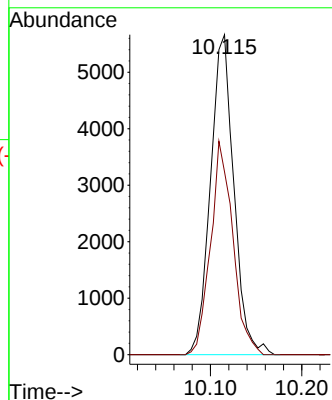
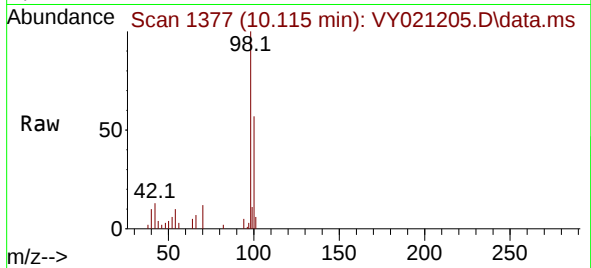




#50
Toluene-d8
Concen: 45.509 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021205.D
Acq: 14 Feb 2025 12:40

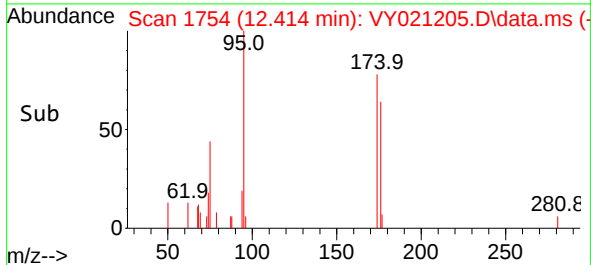
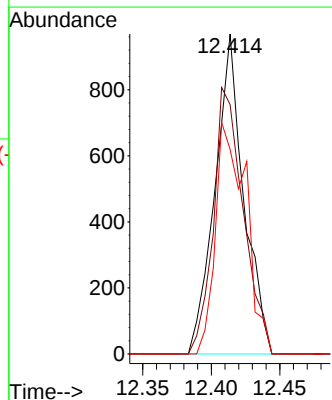
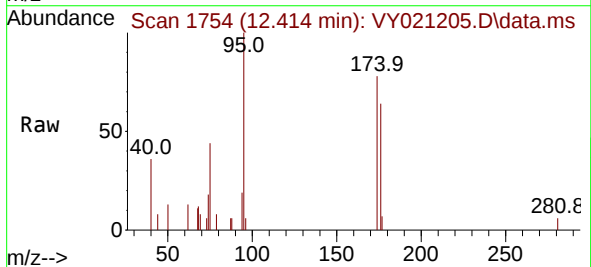
Instrument :
MSVOA_Y
ClientSampleId :

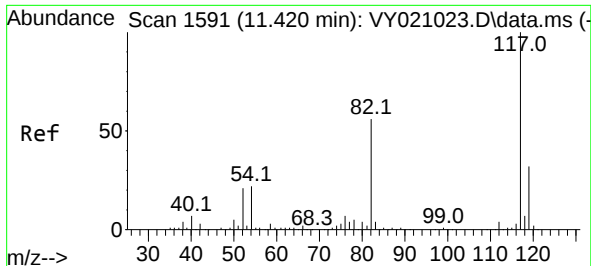
Tgt Ion: 98 Resp: 10043
Ion Ratio Lower Upper
98 100
100 63.7 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 19.557 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021205.D
Acq: 14 Feb 2025 12:40

Tgt Ion: 95 Resp: 1410
Ion Ratio Lower Upper
95 100
174 87.1 0.0 160.0
176 77.0 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021205.D

Acq: 14 Feb 2025 12:40

Instrument :

MSVOA_Y

ClientSampleId :

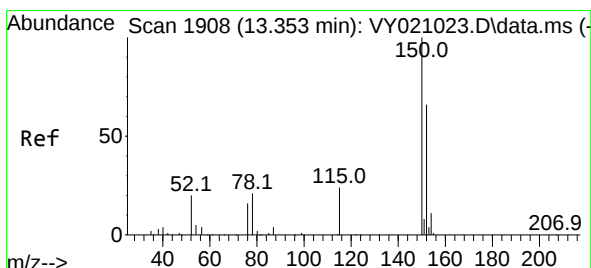
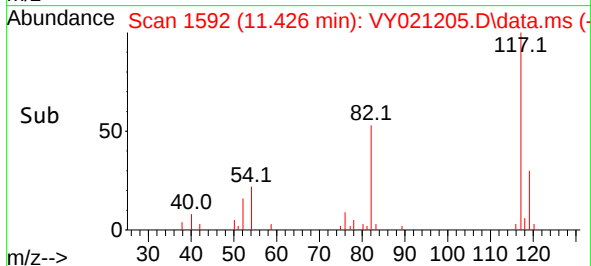
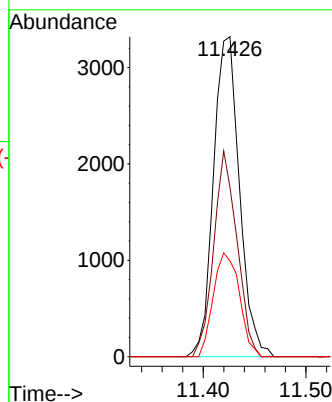
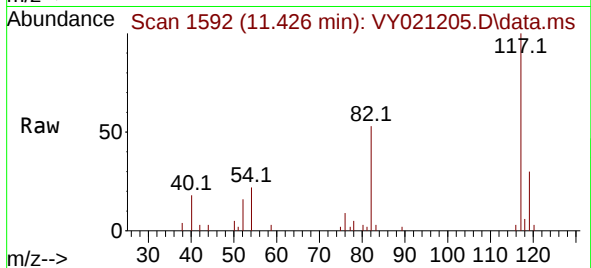
Tgt Ion:117 Resp: 5819

Ion Ratio Lower Upper

117 100

82 53.0 43.8 65.8

119 29.9 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021205.D

Acq: 14 Feb 2025 12:40

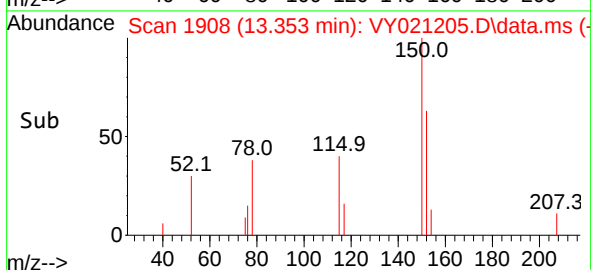
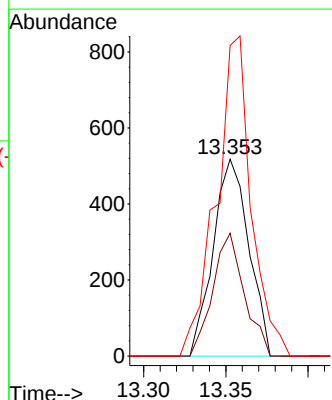
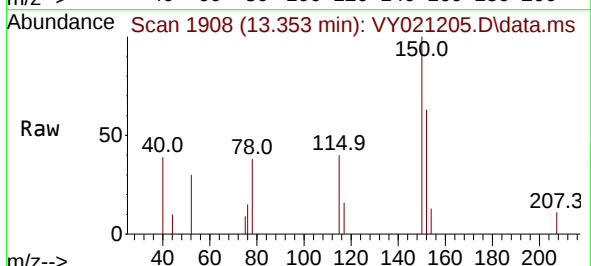
Tgt Ion:152 Resp: 780

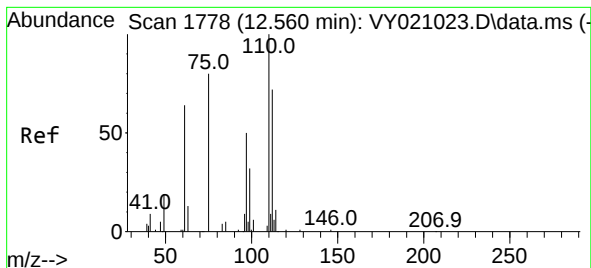
Ion Ratio Lower Upper

152 100

115 55.3 30.0 90.0

150 159.7 0.0 344.6

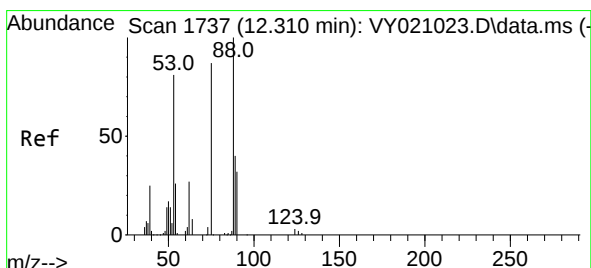
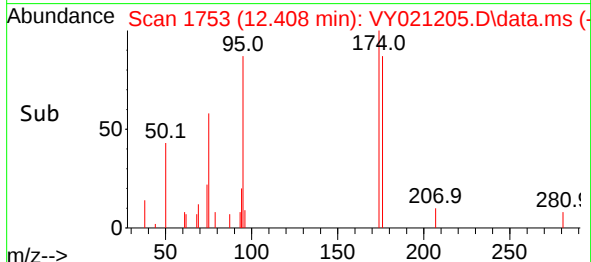
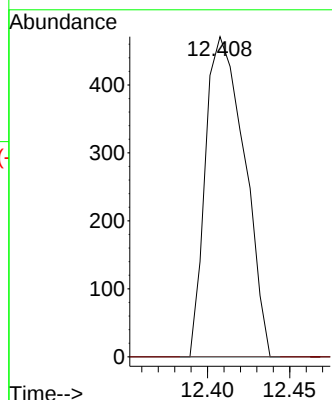
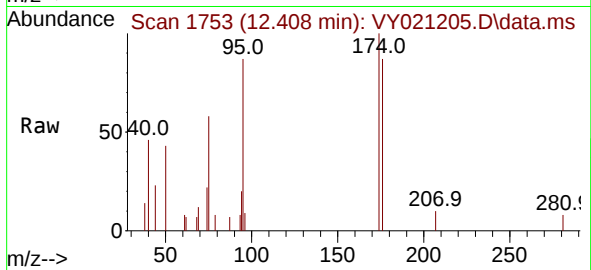




#76
1,2,3-Trichloropropane
Concen: 109.815 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.153 min
Lab File: VY021205.D
Acq: 14 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 777
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 224.074 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.097 min
Lab File: VY021205.D
Acq: 14 Feb 2025 12:40

Tgt Ion: 75 Resp: 777
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

