

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
 Data File : VY021253.D
 Acq On : 20 Feb 2025 16:42
 Operator : SY/MD
 Sample : Q1383-05
 Misc : 5.76g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 21 02:43:15 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

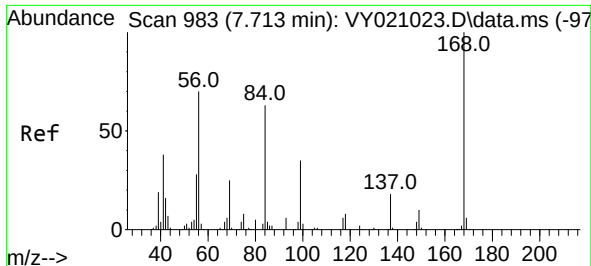
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.725	168	6320	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.628	114	9395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	5419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	2951	45.573	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.140%
35) Dibromofluoromethane	7.640	113	3073	51.038	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.080%
50) Toluene-d8	10.121	98	10109	44.101	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.200%
62) 4-Bromofluorobenzene	12.420	95	1195	15.958	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	31.920%
Target Compounds						Qvalue
3) Chloromethane	2.080	50	85	1.529	ug/l #	41
5) Bromomethane	2.617	94	202	5.842	ug/l #	72
10) Methyl Iodide	4.037	142	408	5.741	ug/l #	90
16) Acetone	3.885	43	301	29.807	ug/l #	41
29) Tetrahydrofuran	7.286	42	20	1.781	ug/l #	32
31) Cyclohexane	7.701	56	123	1.114	ug/l #	9
36) 1,1-Dichloropropene	7.719	75	519	5.820	ug/l #	42
38) Carbon Tetrachloride	7.713	117	593	5.691	ug/l #	12
48) Methyl methacrylate	9.243	41	45	1.271	ug/l #	12
76) 1,2,3-Trichloropropane	12.420	75	614	92.976	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.420	75	614	189.715	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.938	180	42	3.431	ug/l #	12

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

Quant Time: Feb 21 02:43:15 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

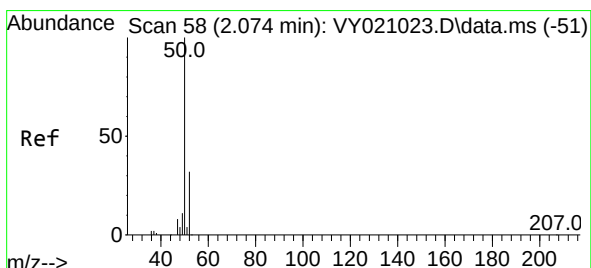
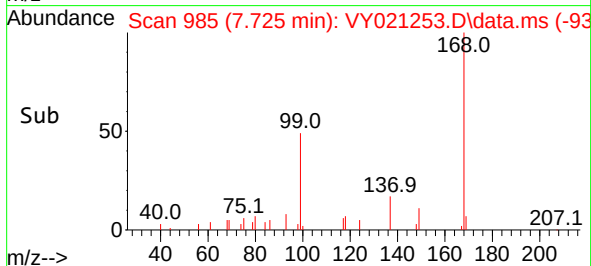
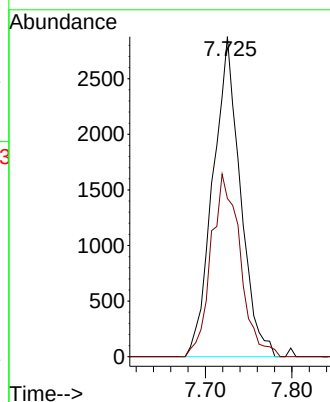
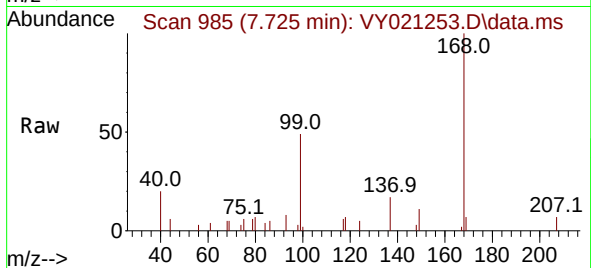




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.725 min Scan# 99
Delta R.T. 0.012 min
Lab File: VY021253.D
Acq: 20 Feb 2025 16:42

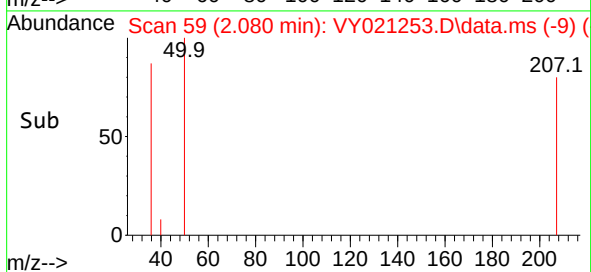
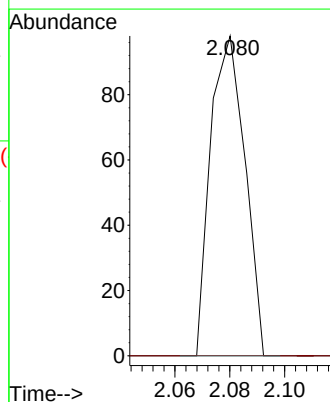
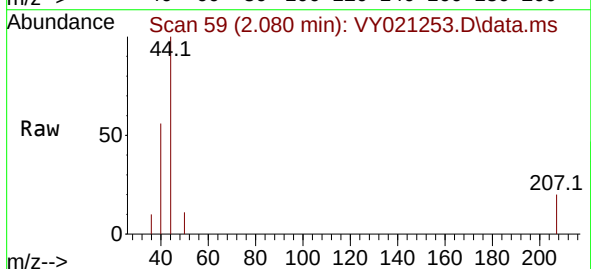
Instrument :
MSVOA_Y
ClientSampleId :

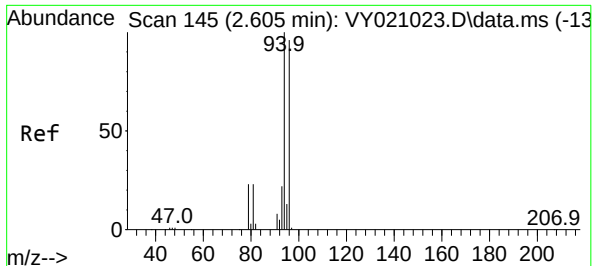
Tgt Ion:168 Resp: 6320
Ion Ratio Lower Upper
168 100
99 49.4 44.2 66.4



#3
Chloromethane
Concen: 1.529 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.006 min
Lab File: VY021253.D
Acq: 20 Feb 2025 16:42

Tgt Ion: 50 Resp: 85
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

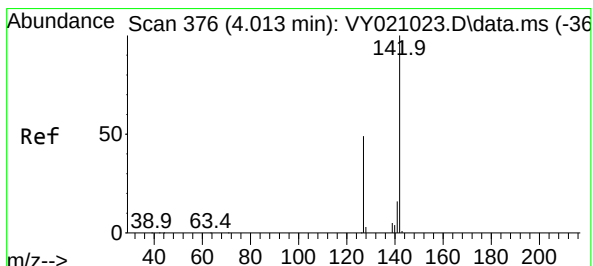
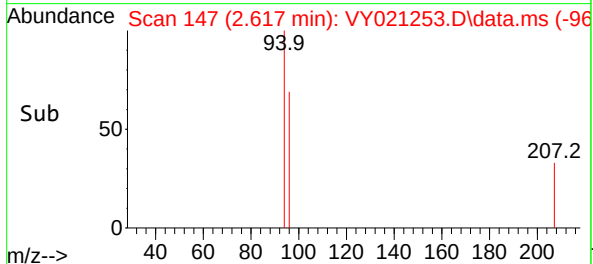
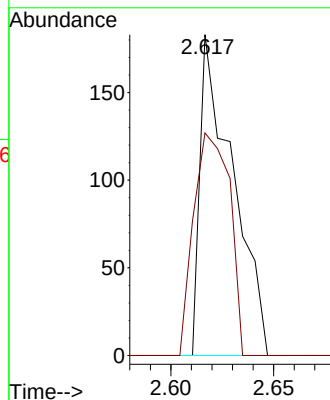
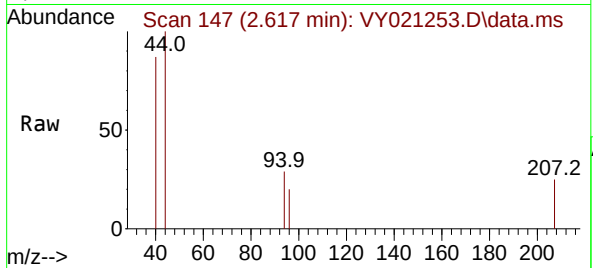




#5
Bromomethane
Concen: 5.842 ug/l
RT: 2.617 min Scan# 145
Delta R.T. 0.012 min
Lab File: VY021253.D
Acq: 20 Feb 2025 16:42

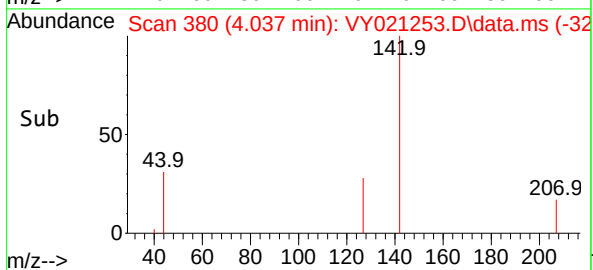
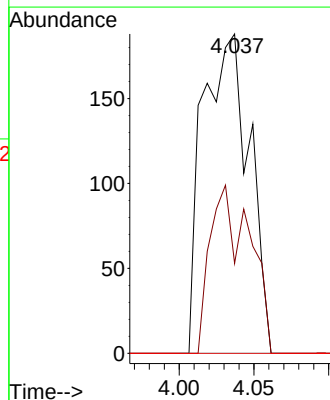
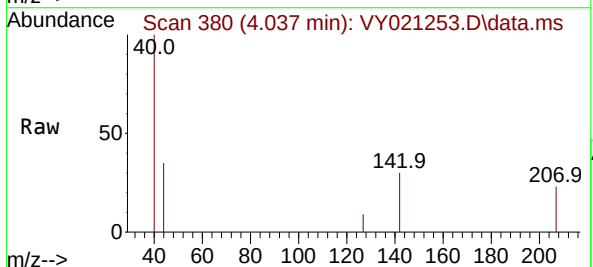
Instrument :
MSVOA_Y
ClientSampleId :

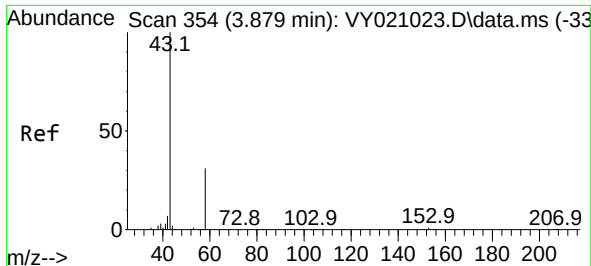
Tgt Ion: 94 Resp: 202
Ion Ratio Lower Upper
94 100
96 69.4 77.3 115.9#



#10
Methyl Iodide
Concen: 5.741 ug/l
RT: 4.037 min Scan# 380
Delta R.T. 0.024 min
Lab File: VY021253.D
Acq: 20 Feb 2025 16:42

Tgt Ion:142 Resp: 408
Ion Ratio Lower Upper
142 100
127 44.6 35.1 52.7
141 0.0 11.8 17.6#

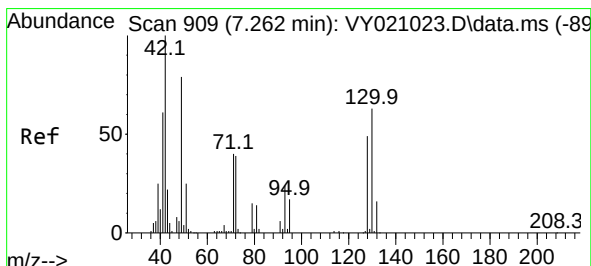
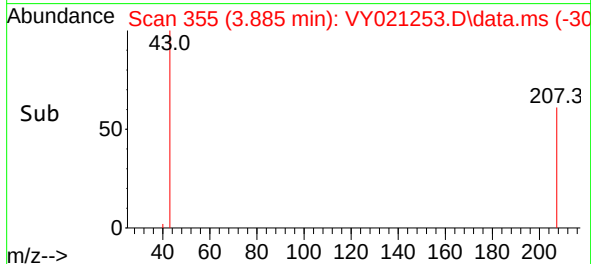
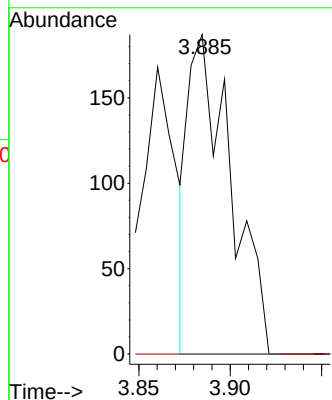
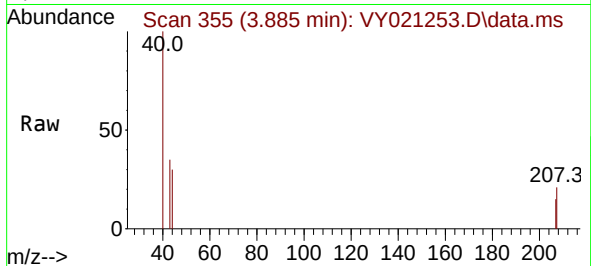




#16
Acetone
Concen: 29.807 ug/l
RT: 3.885 min Scan# 301
Delta R.T. 0.006 min
Lab File: VY021253.D
Acq: 20 Feb 2025 16:42

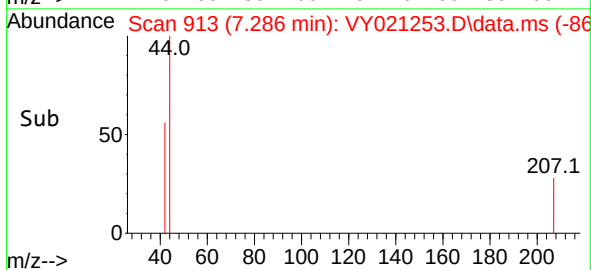
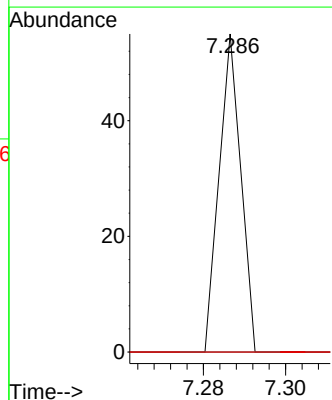
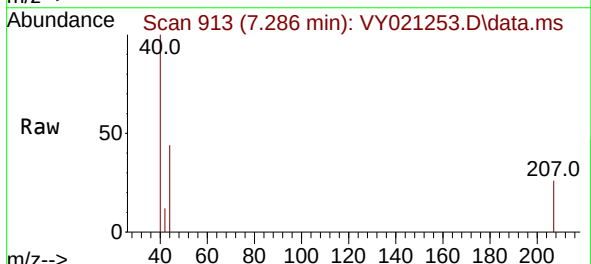
Instrument :
MSVOA_Y
ClientSampleId :

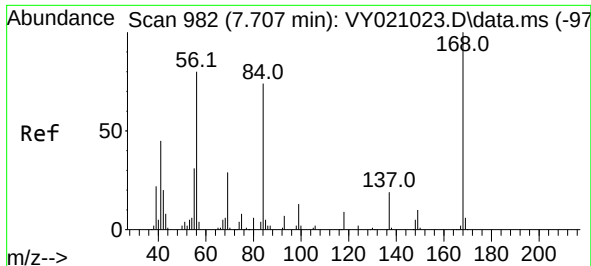
Tgt Ion: 43 Resp: 301
Ion Ratio Lower Upper
43 100
58 0.0 26.6 39.8#



#29
Tetrahydrofuran
Concen: 1.781 ug/l
RT: 7.286 min Scan# 913
Delta R.T. 0.024 min
Lab File: VY021253.D
Acq: 20 Feb 2025 16:42

Tgt Ion: 42 Resp: 20
Ion Ratio Lower Upper
42 100
72 0.0 36.6 54.8#
71 0.0 33.8 50.6#

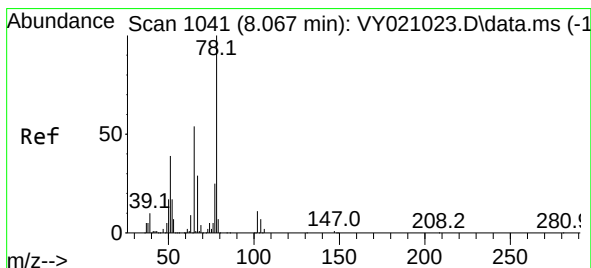
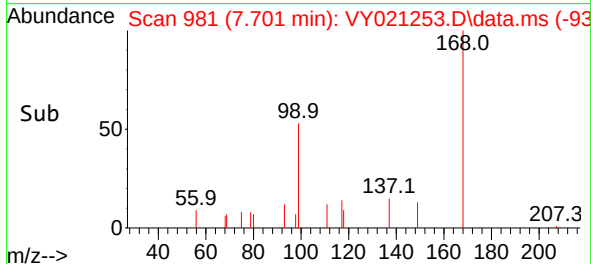
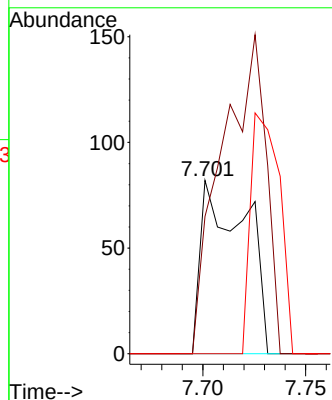
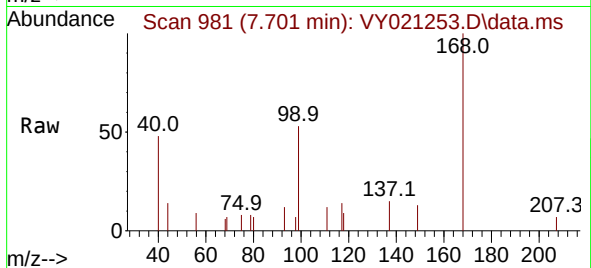




#31
Cyclohexane
Concen: 1.114 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021253.D
Acq: 20 Feb 2025 16:42

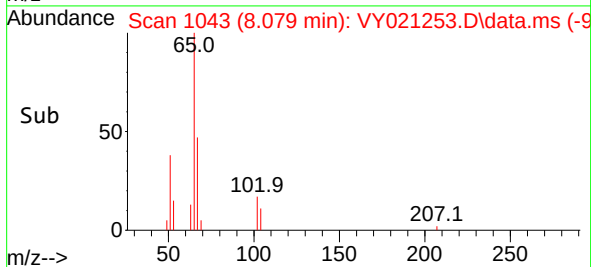
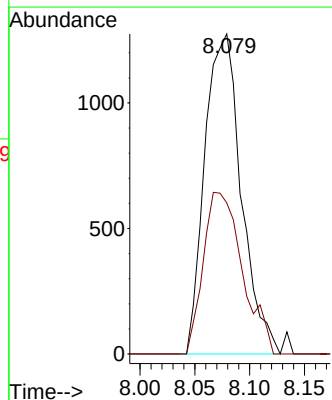
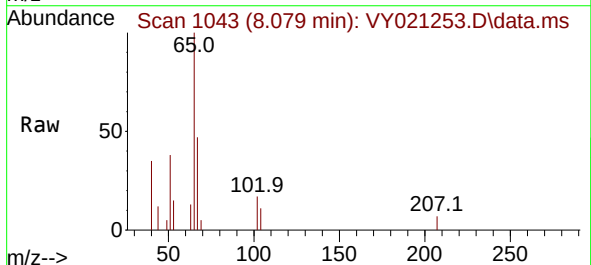
Instrument :
MSVOA_Y
ClientSampleId :

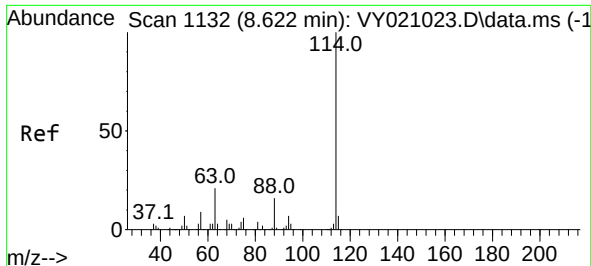
Tgt Ion: 56 Resp: 123
Ion Ratio Lower Upper
56 100
69 79.3 27.0 40.6#
84 0.0 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 45.573 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.012 min
Lab File: VY021253.D
Acq: 20 Feb 2025 16:42

Tgt Ion: 65 Resp: 2951
Ion Ratio Lower Upper
65 100
67 54.1 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY021253.D

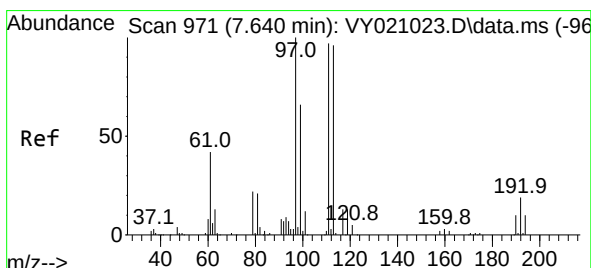
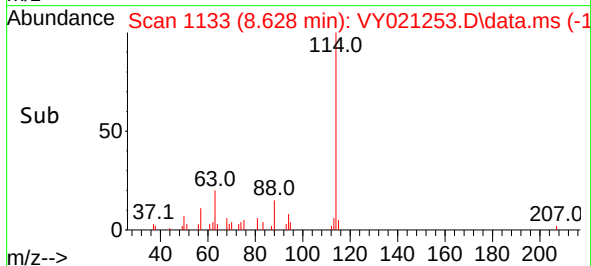
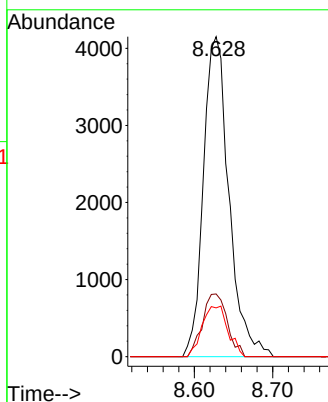
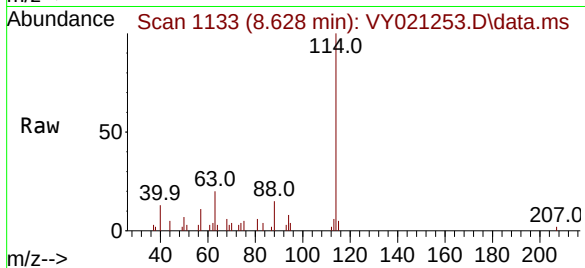
Acq: 20 Feb 2025 16:42

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	9395
Ion	Ratio	Lower Upper
114	100	
63	19.6	0.0 37.4
88	15.2	0.0 29.0



#35

Dibromofluoromethane

Concen: 51.038 ug/l

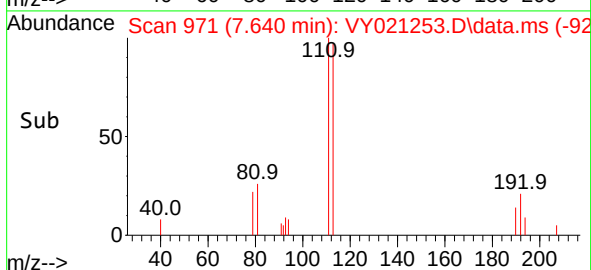
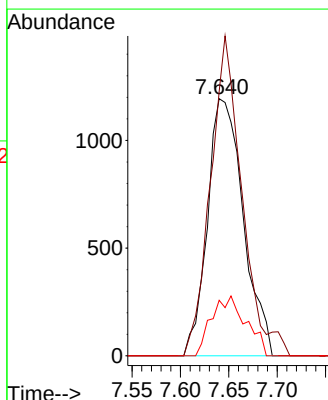
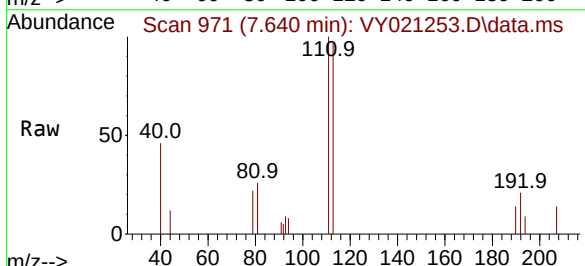
RT: 7.640 min Scan# 971

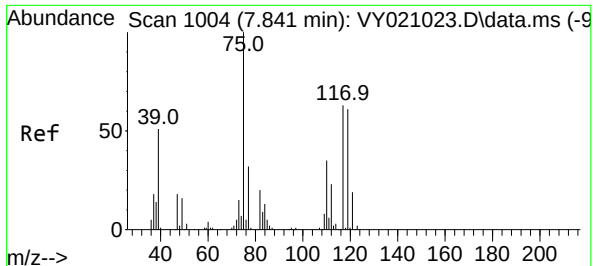
Delta R.T. -0.000 min

Lab File: VY021253.D

Acq: 20 Feb 2025 16:42

Tgt Ion:113	Resp:	3073
Ion	Ratio	Lower Upper
113	100	
111	109.5	83.8 125.6
192	22.4	14.5 21.7#





#36

1,1-Dichloropropene

Concen: 5.820 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.122 min

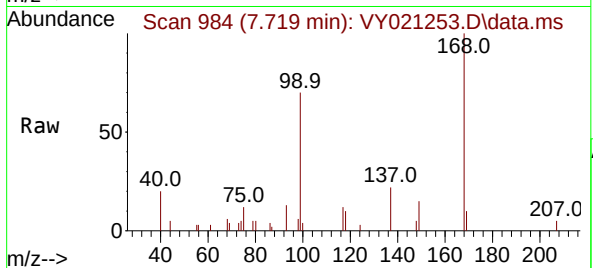
Lab File: VY021253.D

Acq: 20 Feb 2025 16:42

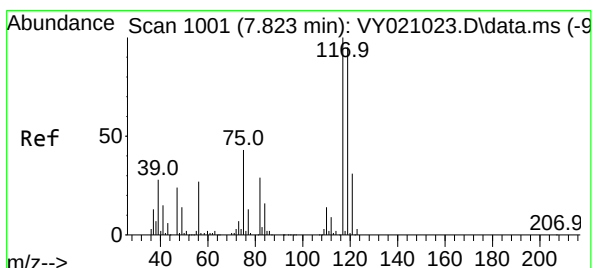
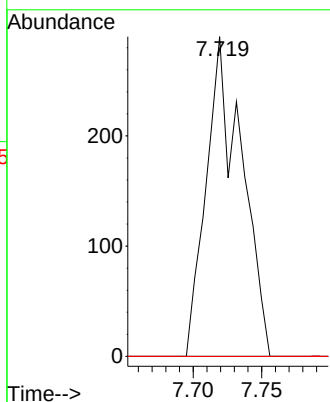
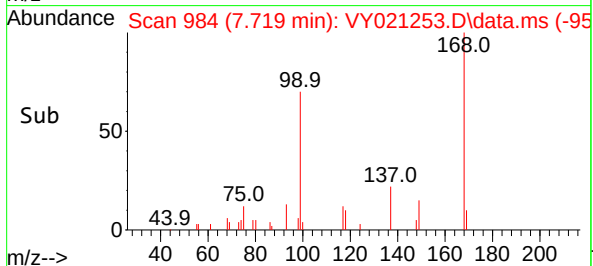
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 519
Ion Ratio	Lower Upper
75	100
110	0.0 17.4 52.3#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.691 ug/l

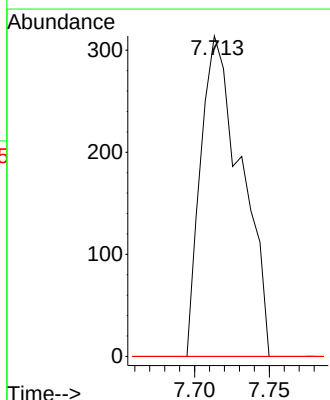
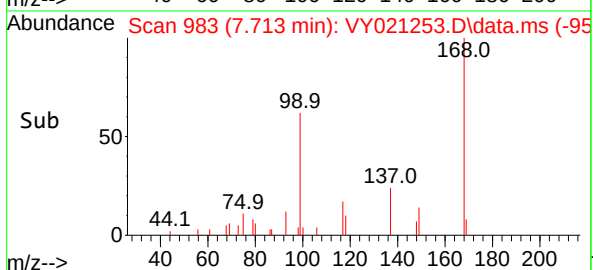
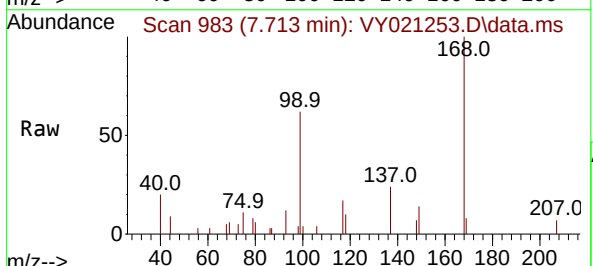
RT: 7.713 min Scan# 983

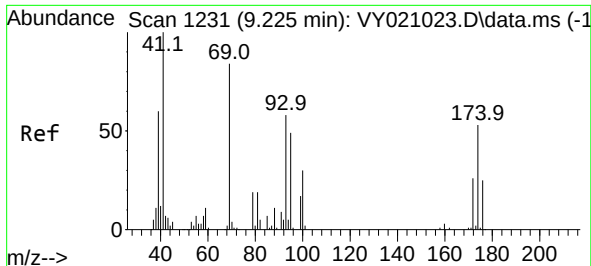
Delta R.T. -0.110 min

Lab File: VY021253.D

Acq: 20 Feb 2025 16:42

Tgt Ion: 117	Resp: 593
Ion Ratio	Lower Upper
117	100
119	0.0 76.0 114.0#
121	0.0 24.2 36.2#





#48

Methyl methacrylate

Concen: 1.271 ug/l

RT: 9.243 min Scan# 11

Delta R.T. 0.018 min

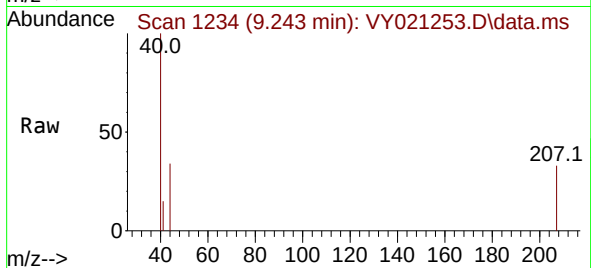
Lab File: VY021253.D

Acq: 20 Feb 2025 16:42

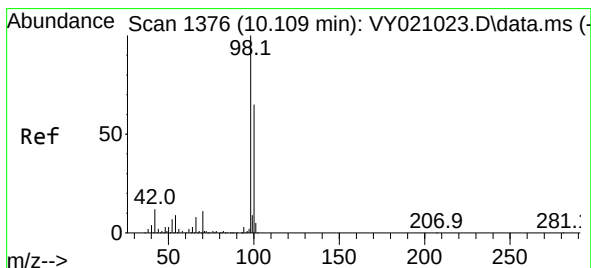
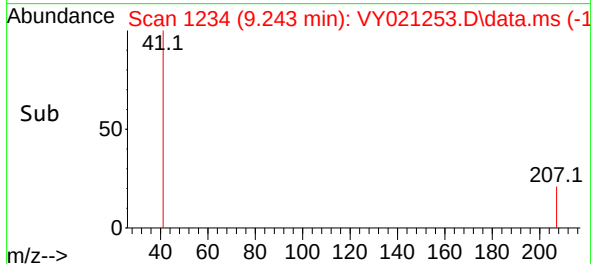
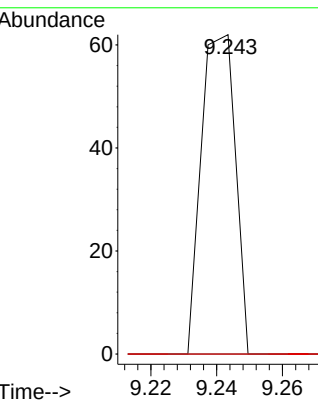
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 41	Resp: 45
Ion Ratio	Lower Upper
41 100	
69 0.0	72.1 108.1#
39 0.0	42.8 64.2#



#50

Toluene-d8

Concen: 44.101 ug/l

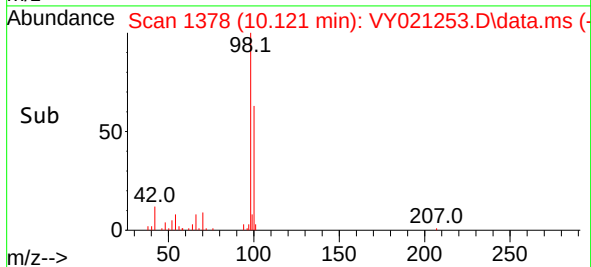
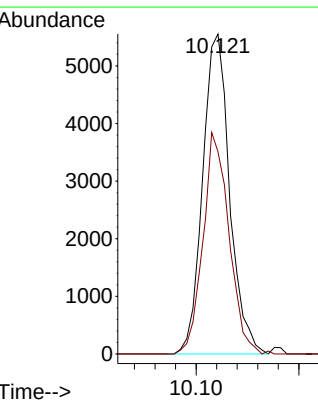
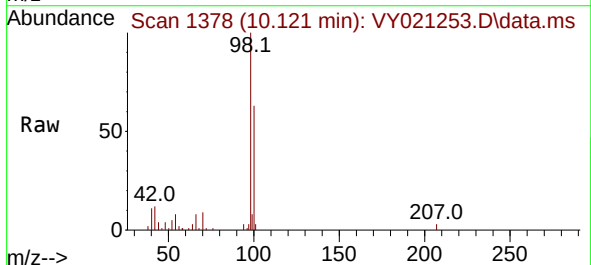
RT: 10.121 min Scan# 1378

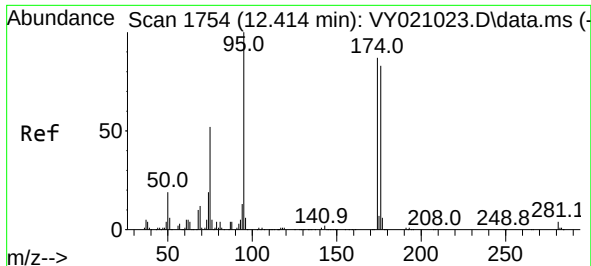
Delta R.T. 0.012 min

Lab File: VY021253.D

Acq: 20 Feb 2025 16:42

Tgt Ion: 98	Resp: 10109
Ion Ratio	Lower Upper
98 100	
100 66.7	52.3 78.5





#62

4-Bromofluorobenzene

Concen: 15.958 ug/l

RT: 12.420 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VY021253.D

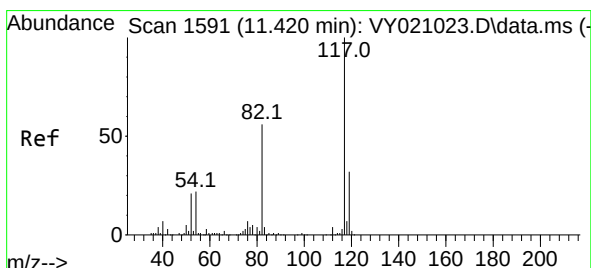
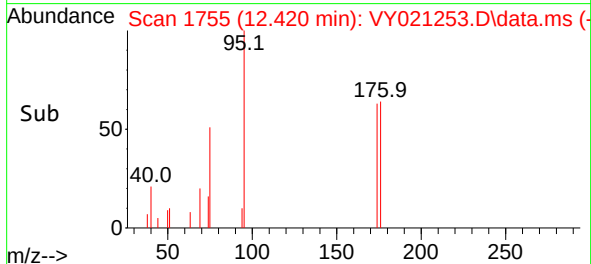
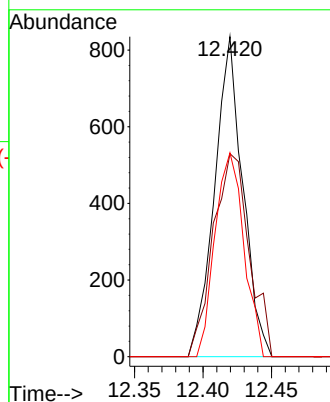
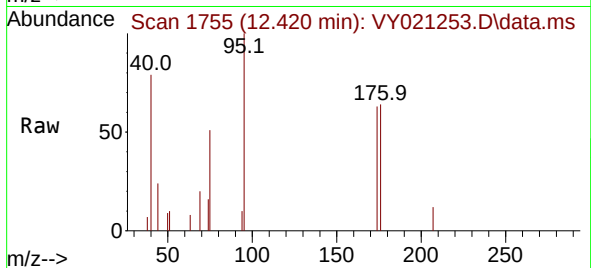
Acq: 20 Feb 2025 16:42

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 95	Resp: 1195
Ion Ratio	Lower Upper
95 100	
174 81.0	0.0 160.0
176 65.2	0.0 151.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

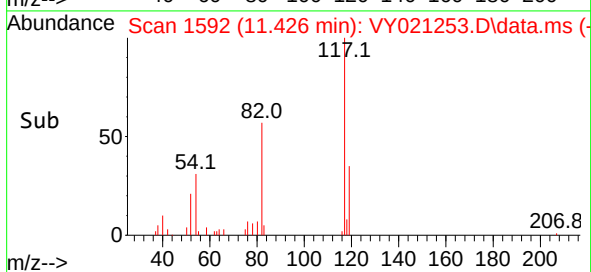
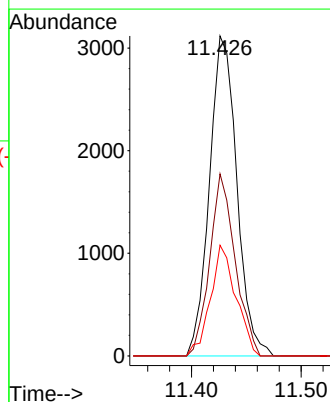
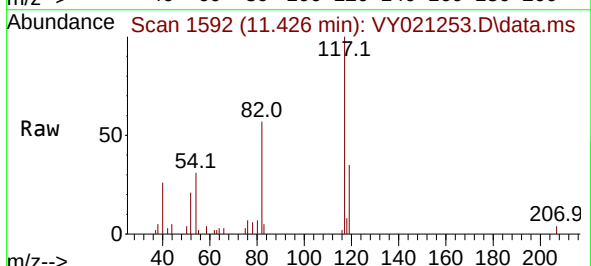
RT: 11.426 min Scan# 1592

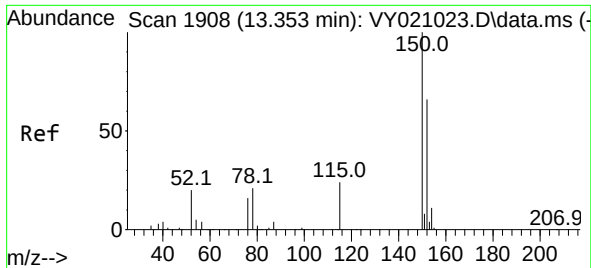
Delta R.T. 0.006 min

Lab File: VY021253.D

Acq: 20 Feb 2025 16:42

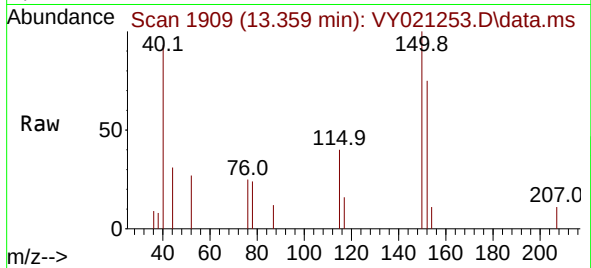
Tgt Ion: 117	Resp: 5419
Ion Ratio	Lower Upper
117 100	
82 56.9	43.8 65.8
119 34.6	26.5 39.7



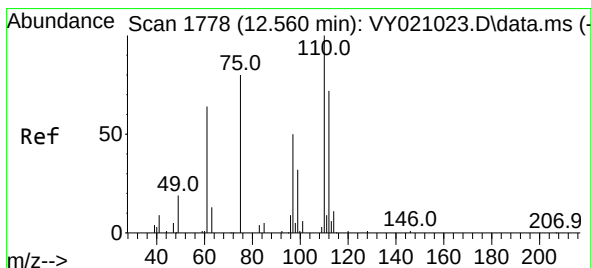
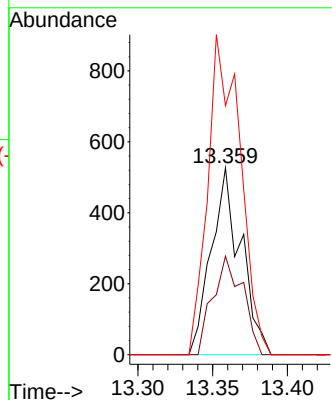
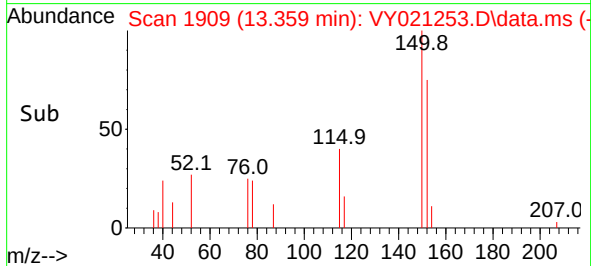


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.359 min Scan# 1908
 Delta R.T. 0.006 min
 Lab File: VY021253.D
 Acq: 20 Feb 2025 16:42

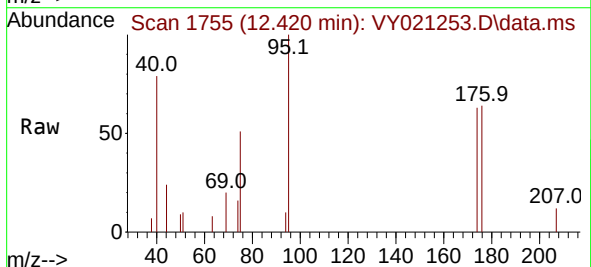
Instrument :
 MSVOA_Y
 ClientSampleId :



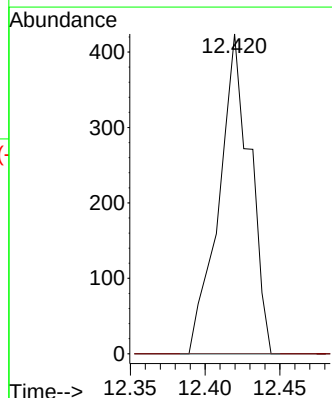
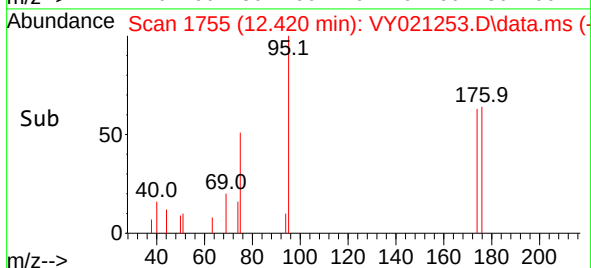
Tgt Ion:152 Resp: 728
 Ion Ratio Lower Upper
 152 100
 115 52.9 30.0 90.0
 150 186.1 0.0 344.6

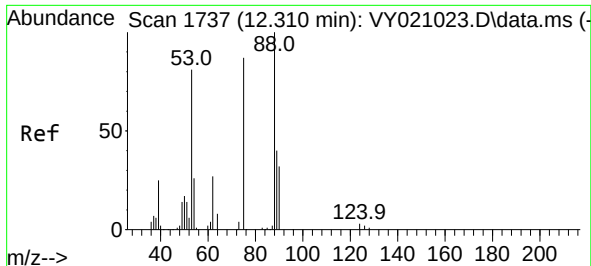


#76
 1,2,3-Trichloropropane
 Concen: 92.976 ug/l
 RT: 12.420 min Scan# 1755
 Delta R.T. -0.140 min
 Lab File: VY021253.D
 Acq: 20 Feb 2025 16:42



Tgt Ion: 75 Resp: 614
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

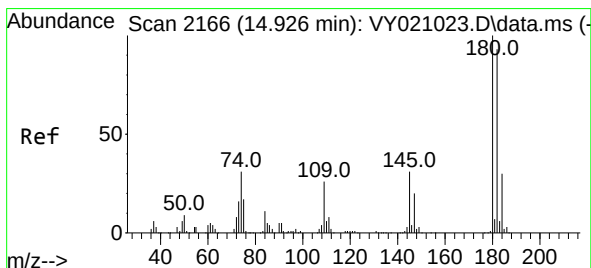
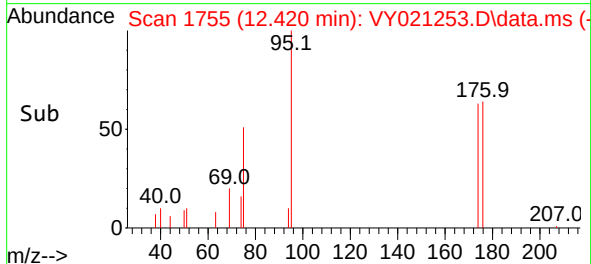
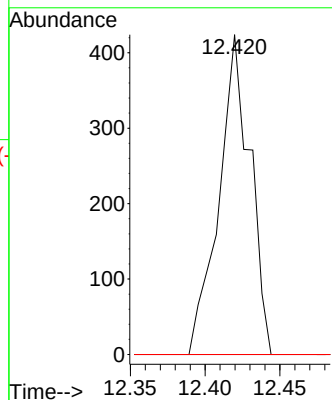
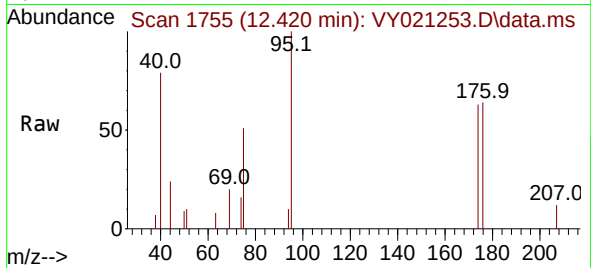




#81
trans-1,4-Dichloro-2-butene
Concen: 189.715 ug/l
RT: 12.420 min Scan# 1737
Delta R.T. 0.109 min
Lab File: VY021253.D
Acq: 20 Feb 2025 16:42

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 614
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#93
1,2,4-Trichlorobenzene
Concen: 3.431 ug/l
RT: 14.938 min Scan# 2168
Delta R.T. 0.012 min
Lab File: VY021253.D
Acq: 20 Feb 2025 16:42

Tgt Ion:180 Resp: 42
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.7#
145 0.0 15.9 47.7#

