

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120924\
 Data File : VY020550.D
 Acq On : 09 Dec 2024 13:00
 Operator : SY/MD
 Sample : P5176-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 10 03:59:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 01:39:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	25365	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.616	114	36117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	26271	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	8186	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	11757	45.576	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.160%
35) Dibromofluoromethane	7.628	113	11148	49.029	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.060%
50) Toluene-d8	10.103	98	41116	47.489	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.980%
62) 4-Bromofluorobenzene	12.402	95	10023	33.100	ug/l	-0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	66.200%

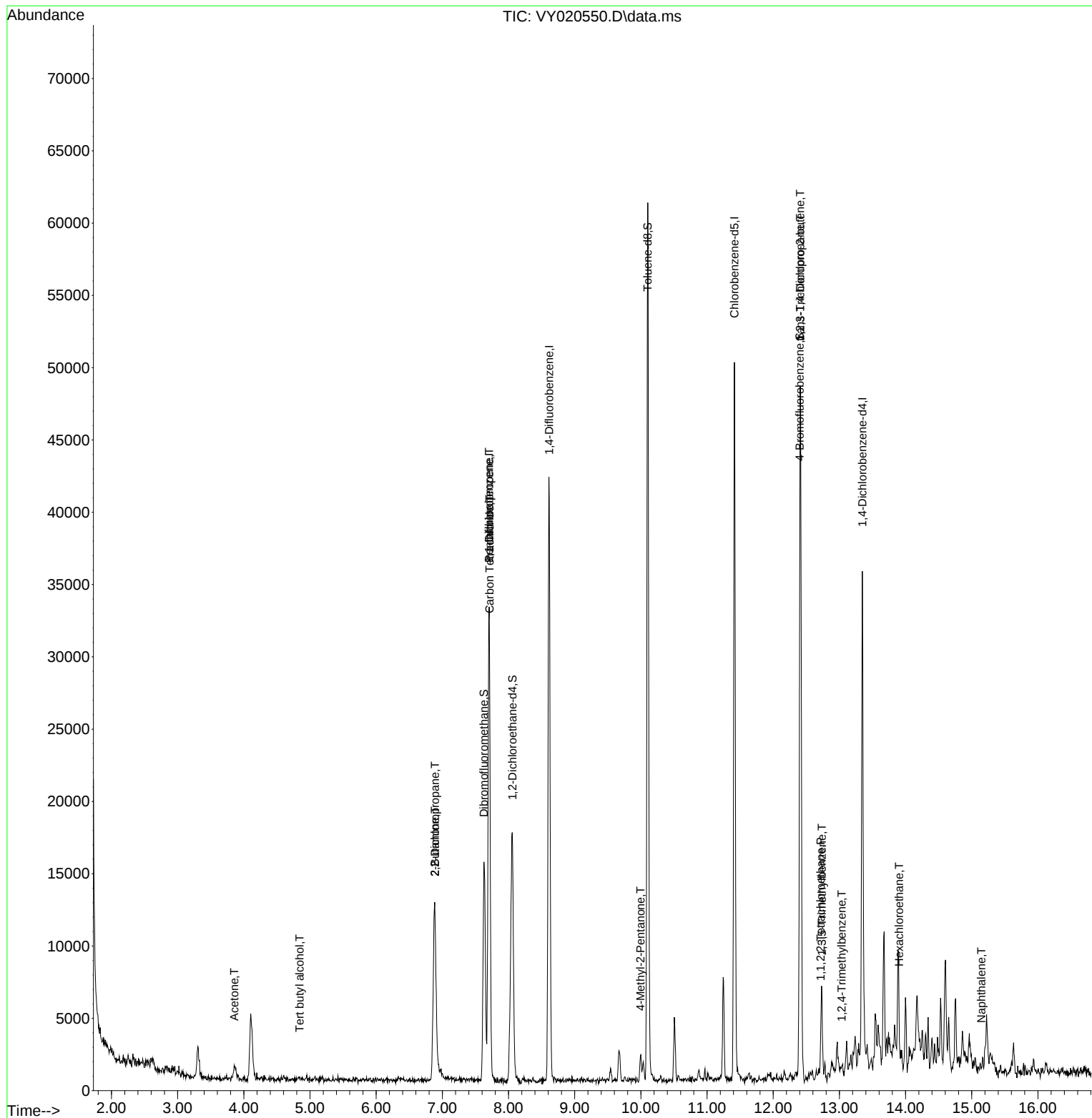
Target Compounds						Qvalue
11) Tert butyl alcohol	4.842	59	124	7.410	ug/l #	73
16) Acetone	3.854	43	1813	28.265	ug/l #	79
25) 2-Butanone	6.890	43	684	8.445	ug/l #	50
26) 2,2-Dichloropropane	6.890	77	963	1.811	ug/l #	54
36) 1,1-Dichloropropene	7.707	75	2213	5.763	ug/l #	51
38) Carbon Tetrachloride	7.713	117	2617	5.711	ug/l #	16
51) 4-Methyl-2-Pentanone	9.994	43	1662	10.956	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.719	83	148	1.299	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	5603	67.191	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.737	105	888	1.399	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.408	75	5603	137.865	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.036	105	690	1.118	ug/l	99
90) Hexachloroethane	13.901	117	222	1.676	ug/l #	12
95) Naphthalene	15.145	128	616	2.524	ug/l #	79

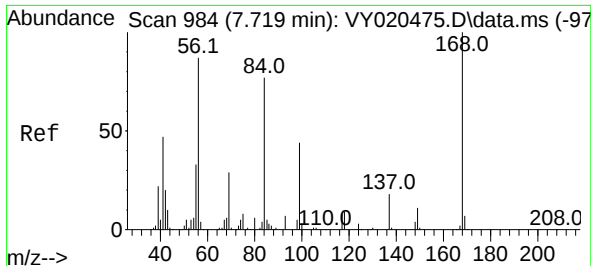
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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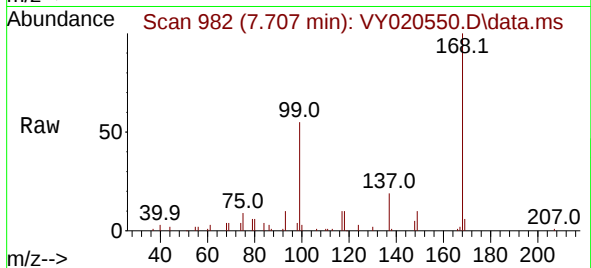
Quant Time: Dec 10 03:59:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
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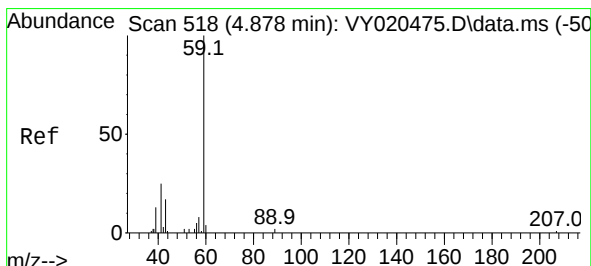
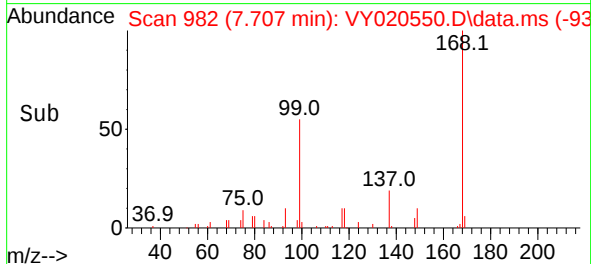
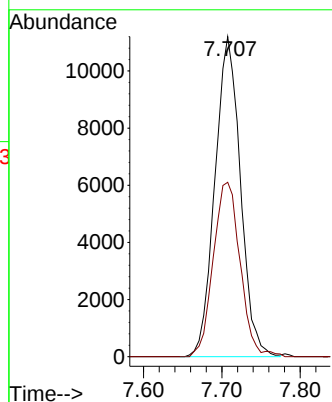


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020550.D
Acq: 09 Dec 2024 13:00

Instrument :
MSVOA_Y
ClientSampleId :

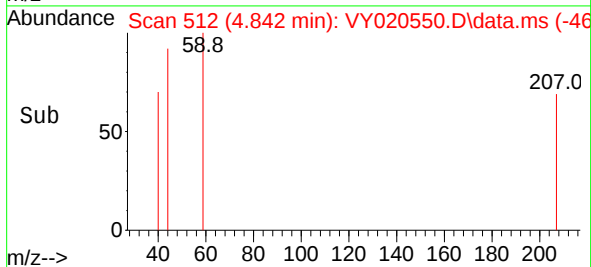
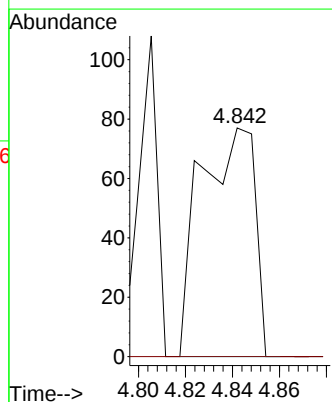
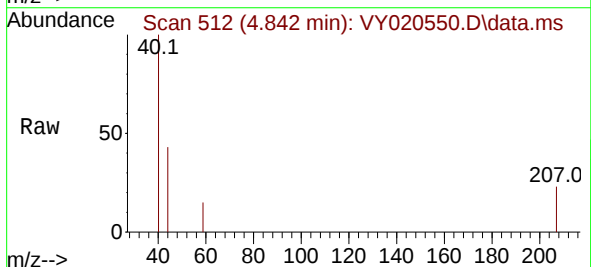


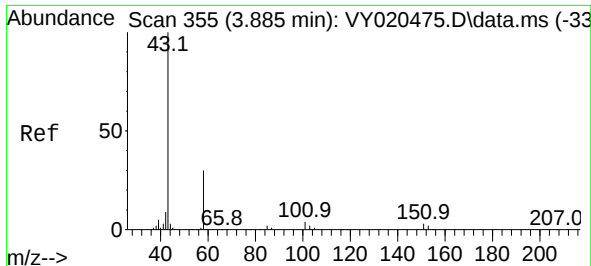
Tgt Ion:168 Resp: 25365
Ion Ratio Lower Upper
168 100
99 54.5 46.6 69.8



#11
Tert butyl alcohol
Concen: 7.410 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.037 min
Lab File: VY020550.D
Acq: 09 Dec 2024 13:00

Tgt Ion: 59 Resp: 124
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 28.265 ug/l

RT: 3.854 min Scan# 30

Delta R.T. -0.030 min

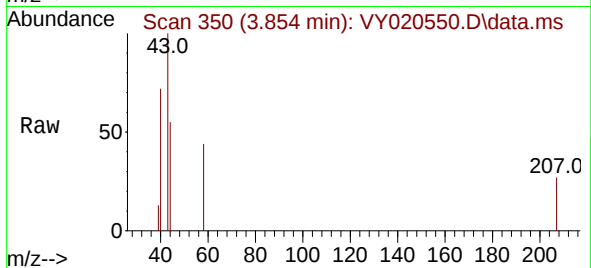
Lab File: VY020550.D

Acq: 09 Dec 2024 13:00

Instrument :

MSVOA_Y

ClientSampleId :

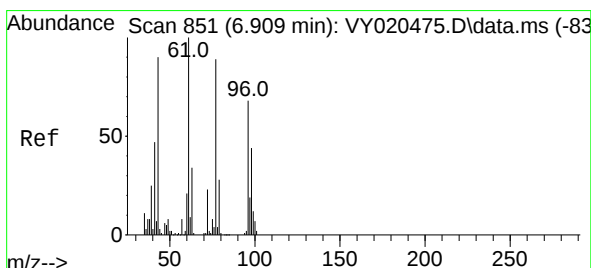
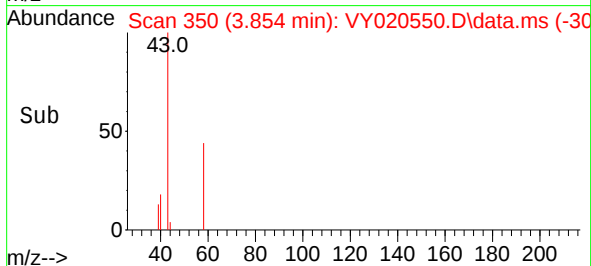
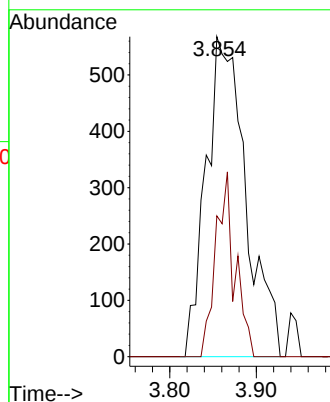


Tgt Ion: 43 Resp: 1813

Ion Ratio Lower Upper

43 100

58 44.0 25.7 38.5#



#25

2-Butanone

Concen: 8.445 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.018 min

Lab File: VY020550.D

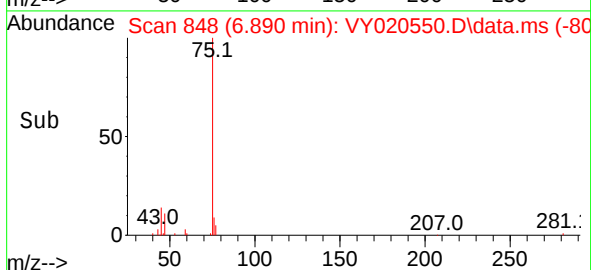
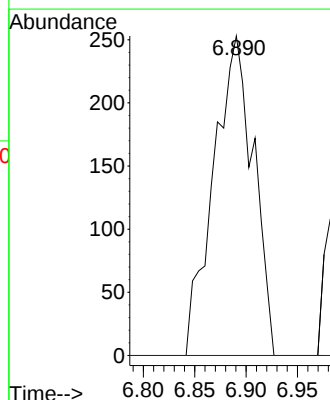
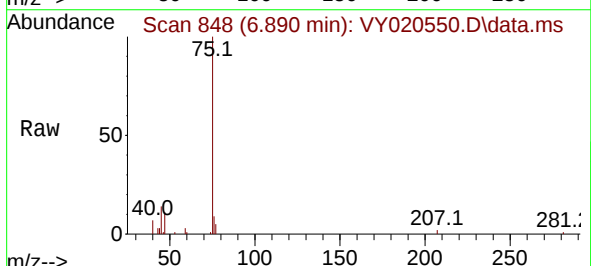
Acq: 09 Dec 2024 13:00

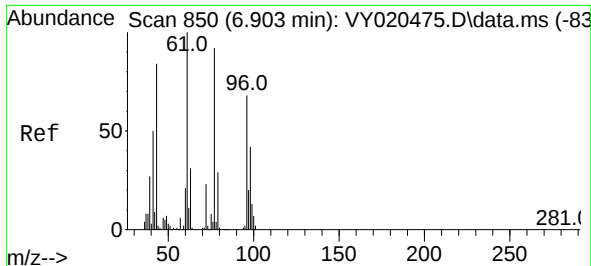
Tgt Ion: 43 Resp: 684

Ion Ratio Lower Upper

43 100

72 0.0 20.4 30.6#

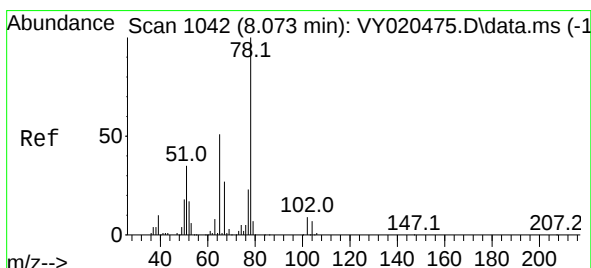
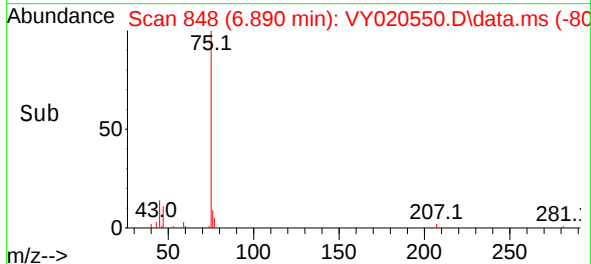
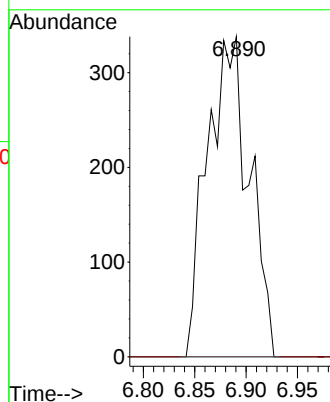
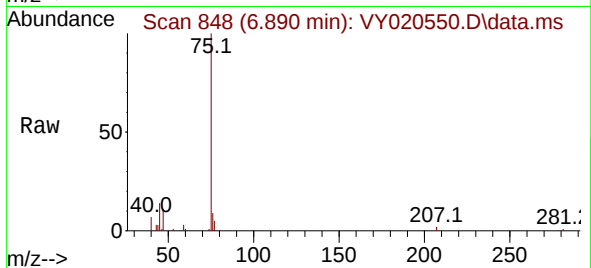




#26
2,2-Dichloropropane
Concen: 1.811 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY020550.D
Acq: 09 Dec 2024 13:00

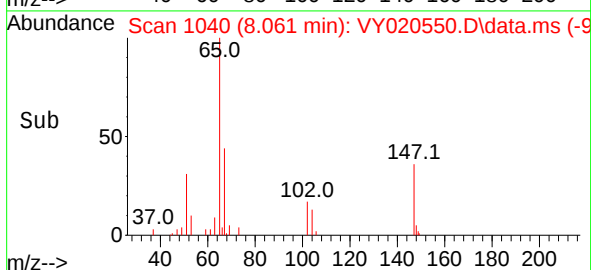
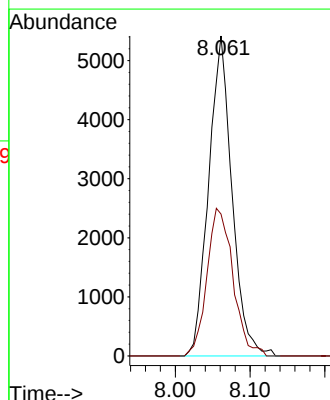
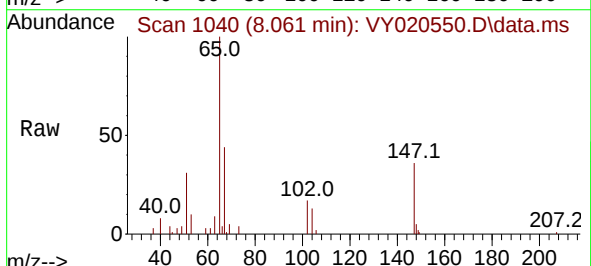
Instrument :
MSVOA_Y
ClientSampleId :

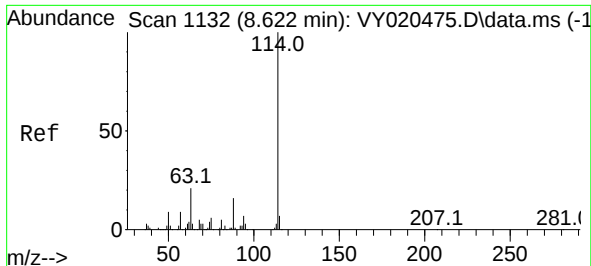
Tgt Ion: 77 Resp: 963
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.7#



#33
1,2-Dichloroethane-d4
Concen: 45.576 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VY020550.D
Acq: 09 Dec 2024 13:00

Tgt Ion: 65 Resp: 11757
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY020550.D

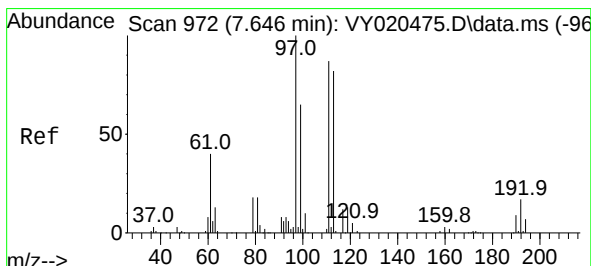
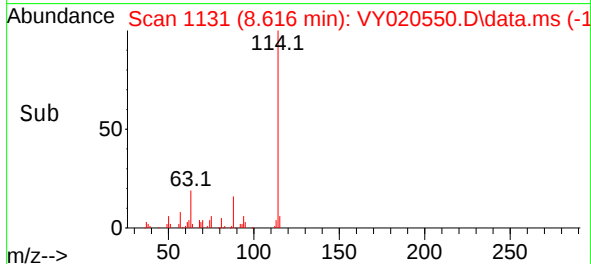
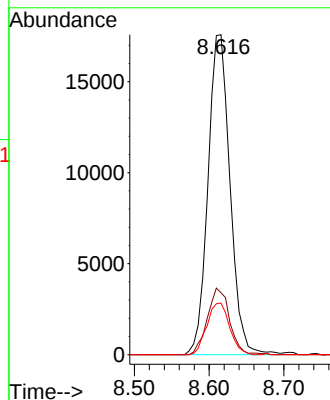
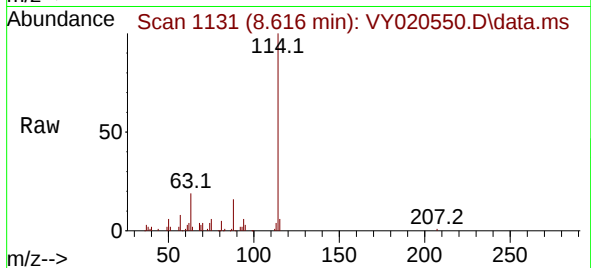
Acq: 09 Dec 2024 13:00

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	36117
Ion Ratio	Lower	Upper
114	100	
63	19.4	0.0 44.8
88	16.2	0.0 32.0



#35

Dibromofluoromethane

Concen: 49.029 ug/l

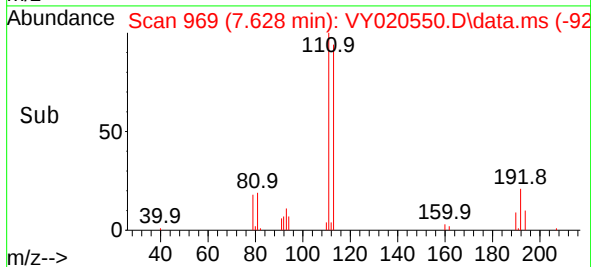
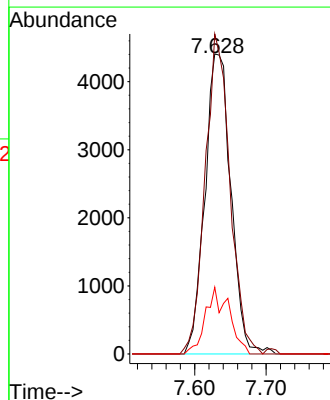
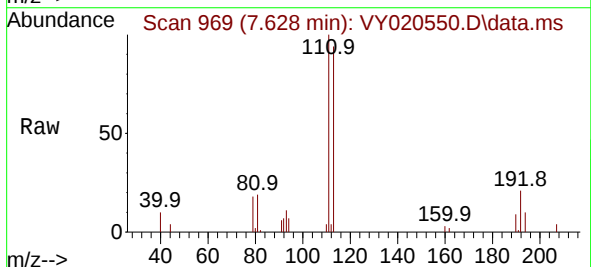
RT: 7.628 min Scan# 969

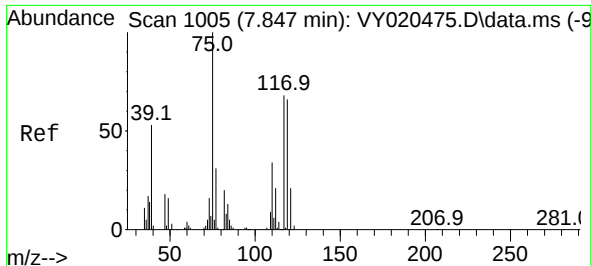
Delta R.T. -0.018 min

Lab File: VY020550.D

Acq: 09 Dec 2024 13:00

Tgt Ion:113	Resp:	11148
Ion Ratio	Lower	Upper
113	100	
111	101.3	81.4 122.0
192	20.2	15.1 22.7





#36

1,1-Dichloropropene

Concen: 5.763 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.140 min

Lab File: VY020550.D

Acq: 09 Dec 2024 13:00

Instrument :

MSVOA_Y

ClientSampleId :

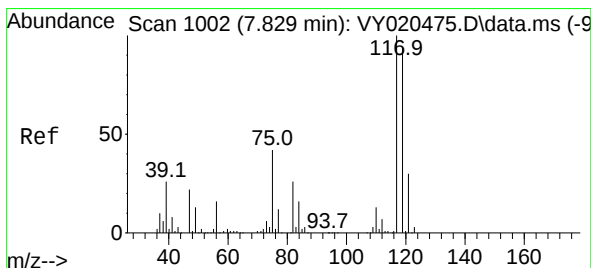
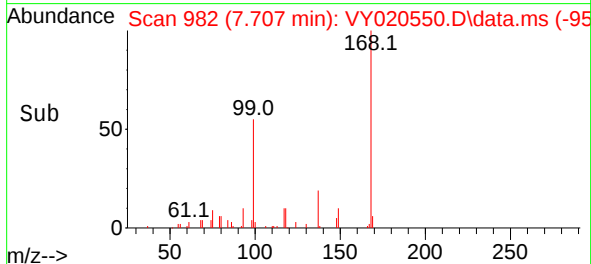
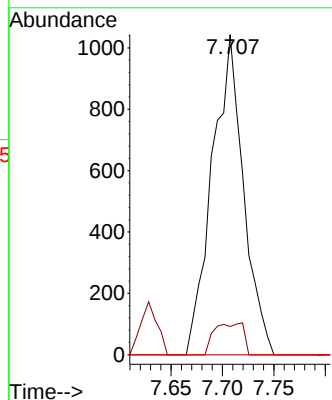
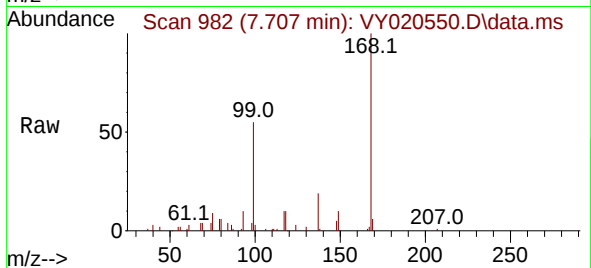
Tgt Ion: 75 Resp: 2213

Ion Ratio Lower Upper

75 100

110 9.2 16.7 50.0#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.711 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.116 min

Lab File: VY020550.D

Acq: 09 Dec 2024 13:00

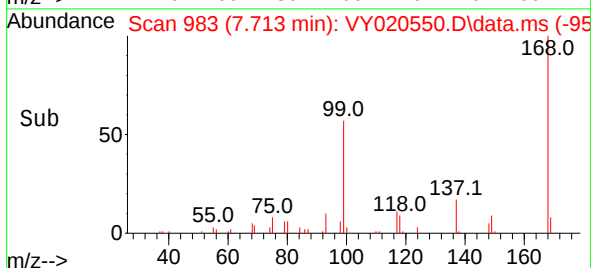
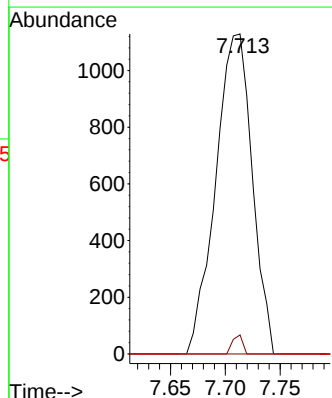
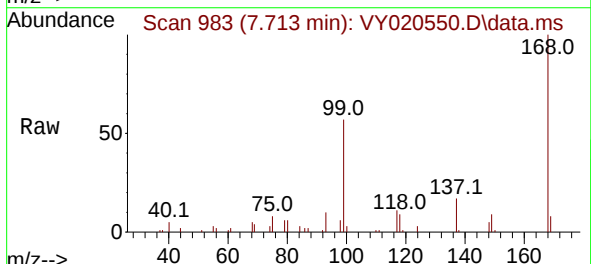
Tgt Ion: 117 Resp: 2617

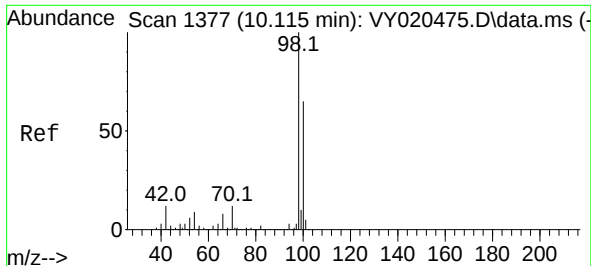
Ion Ratio Lower Upper

117 100

119 5.9 77.8 116.6#

121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 47.489 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.012 min

Lab File: VY020550.D

Acq: 09 Dec 2024 13:00

Instrument :

MSVOA_Y

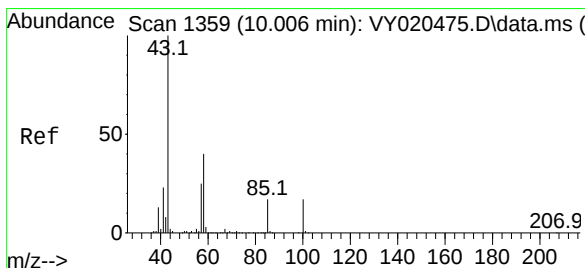
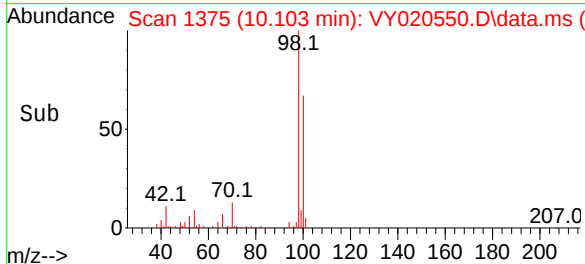
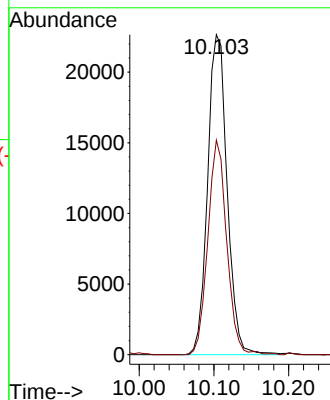
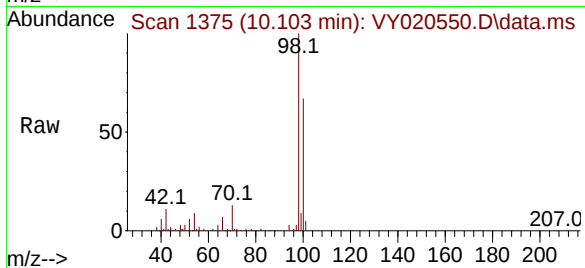
ClientSampleId :

Tgt Ion: 98 Resp: 41116

Ion Ratio Lower Upper

98 100

100 64.9 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 10.956 ug/l

RT: 9.994 min Scan# 1357

Delta R.T. -0.012 min

Lab File: VY020550.D

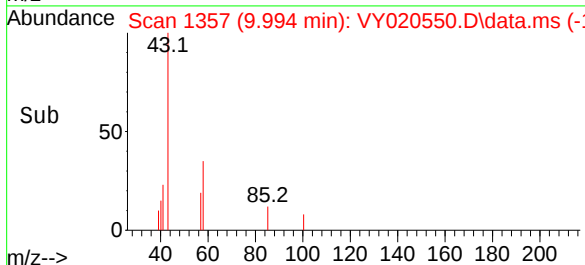
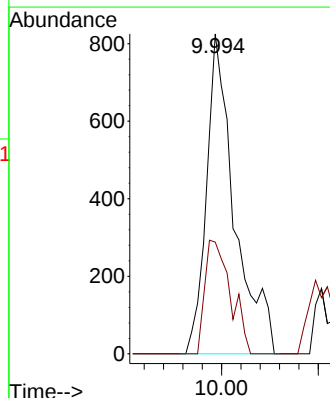
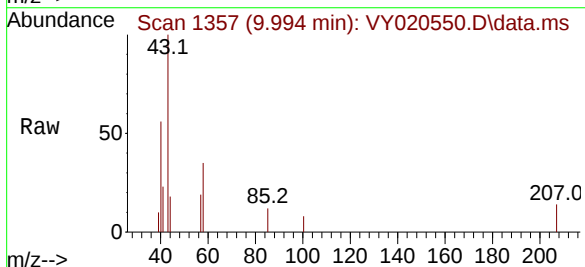
Acq: 09 Dec 2024 13:00

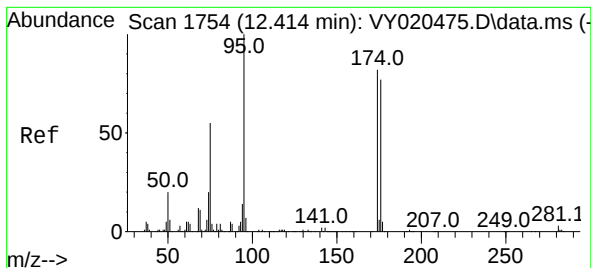
Tgt Ion: 43 Resp: 1662

Ion Ratio Lower Upper

43 100

58 32.5 30.9 46.3

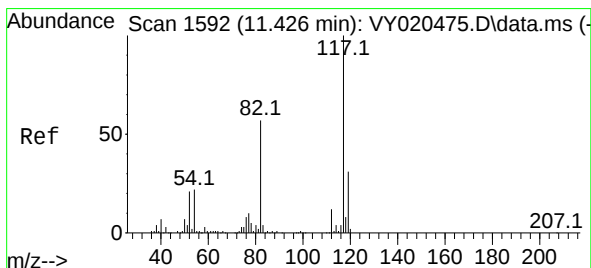
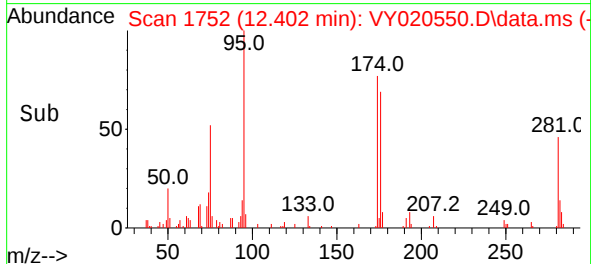
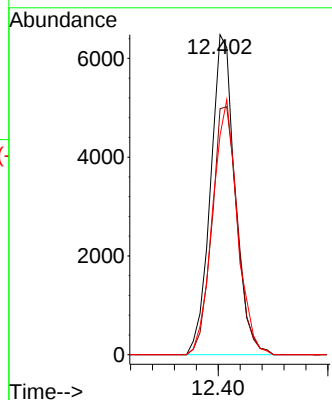
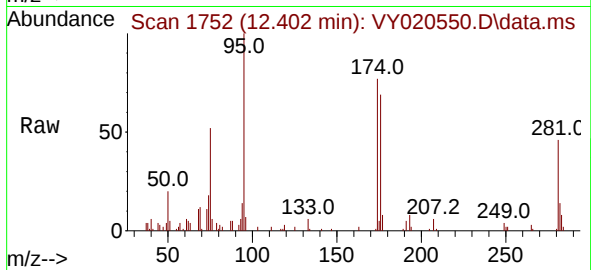




#62
4-Bromofluorobenzene
Concen: 33.100 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.012 min
Lab File: VY020550.D
Acq: 09 Dec 2024 13:00

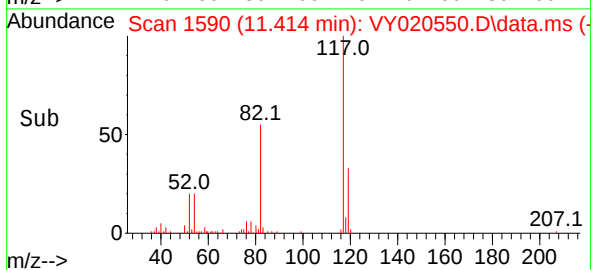
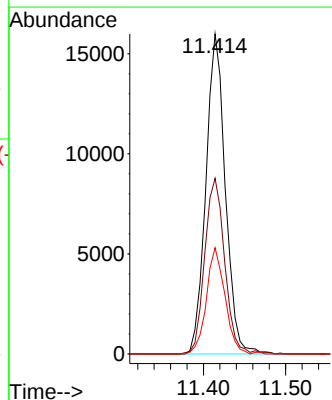
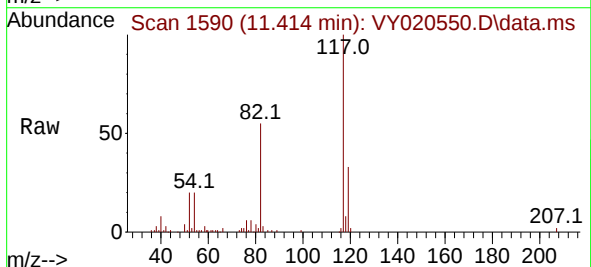
Instrument :
MSVOA_Y
ClientSampleId :

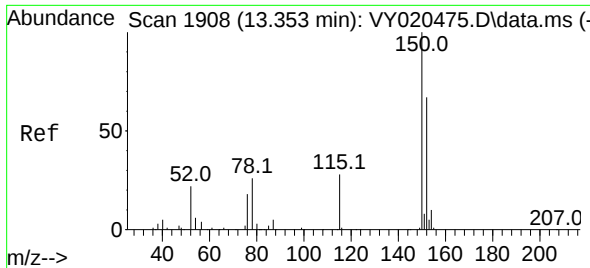
Tgt Ion: 95 Resp: 10023
Ion Ratio Lower Upper
95 100
174 81.1 0.0 156.8
176 81.0 0.0 152.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.012 min
Lab File: VY020550.D
Acq: 09 Dec 2024 13:00

Tgt Ion: 117 Resp: 26271
Ion Ratio Lower Upper
117 100
82 54.9 48.2 72.4
119 33.2 25.8 38.8

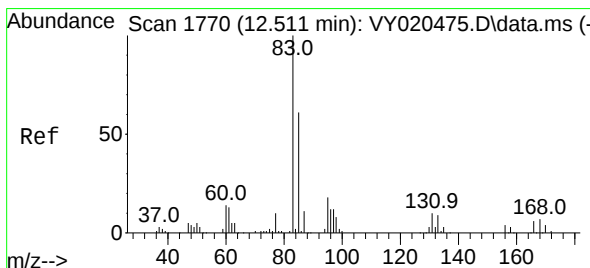
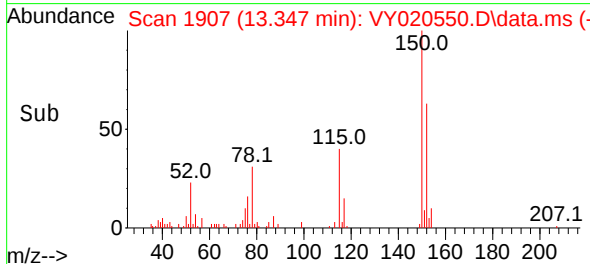
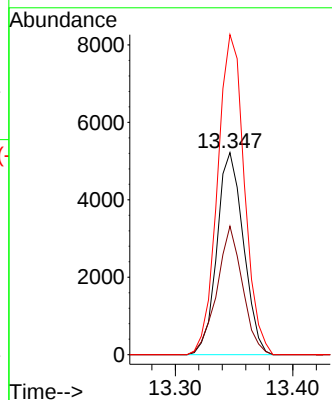
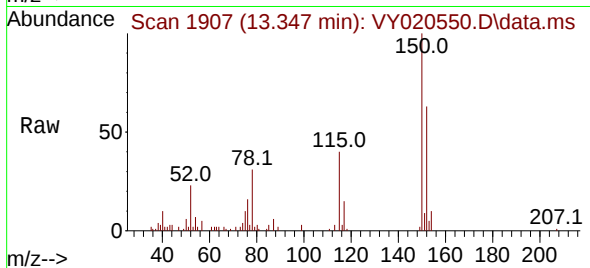




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY020550.D
 Acq: 09 Dec 2024 13:00

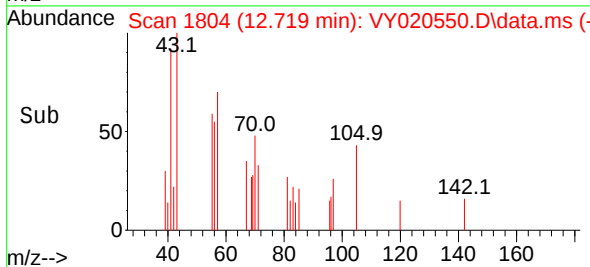
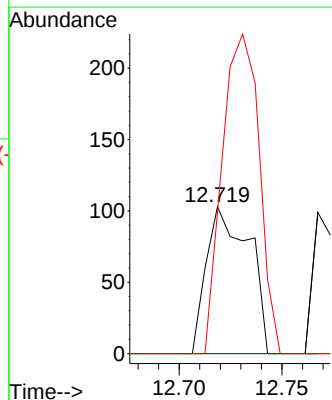
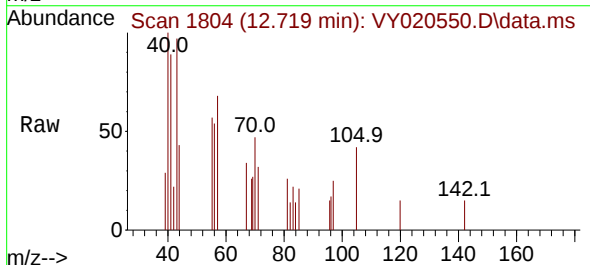
Instrument :
 MSVOA_Y
 ClientSampleId :

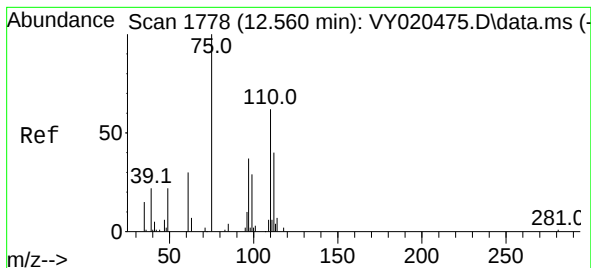
Tgt Ion:152 Resp: 8186
 Ion Ratio Lower Upper
 152 100
 115 61.3 30.0 90.0
 150 160.6 0.0 348.2



#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.299 ug/l
 RT: 12.719 min Scan# 1804
 Delta R.T. 0.207 min
 Lab File: VY020550.D
 Acq: 09 Dec 2024 13:00

Tgt Ion: 83 Resp: 148
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.8 14.4#
 85 189.2 32.0 96.0#





#76

1,2,3-Trichloropropane

Concen: 67.191 ug/l

RT: 12.408 min Scan# 1

Delta R.T. -0.152 min

Lab File: VY020550.D

Acq: 09 Dec 2024 13:00

Instrument :

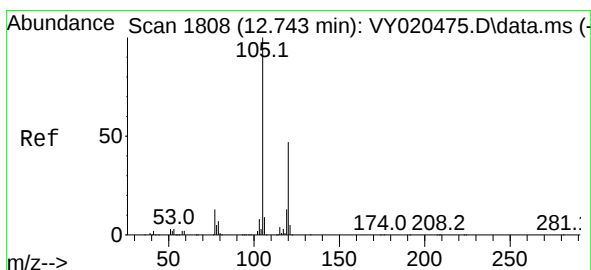
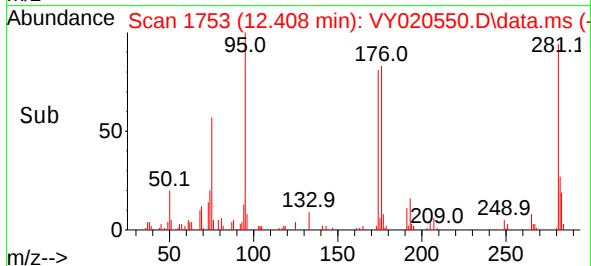
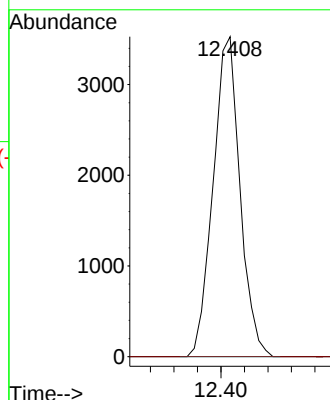
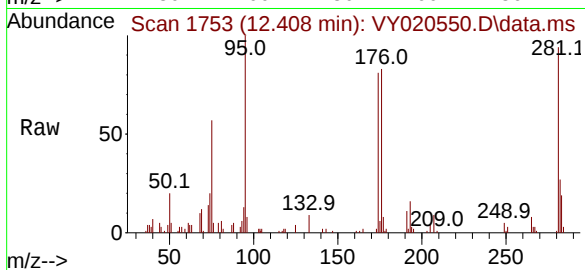
MSVOA_Y

ClientSampleId :

Tgt Ion: 75 Resp: 5603

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



#80

1,3,5-Trimethylbenzene

Concen: 1.399 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.006 min

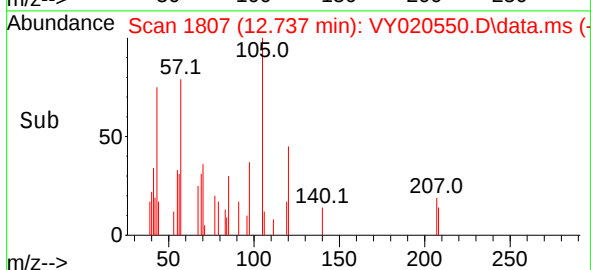
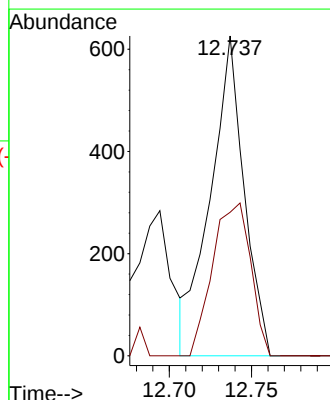
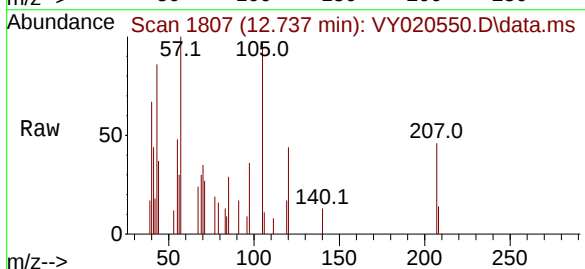
Lab File: VY020550.D

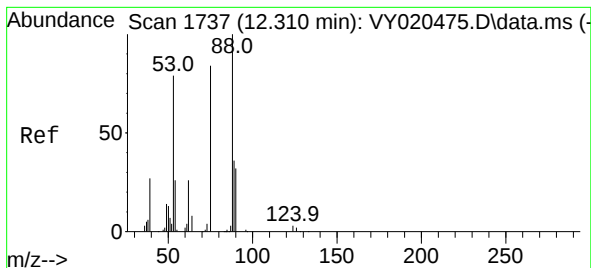
Acq: 09 Dec 2024 13:00

Tgt Ion:105 Resp: 888

Ion Ratio Lower Upper

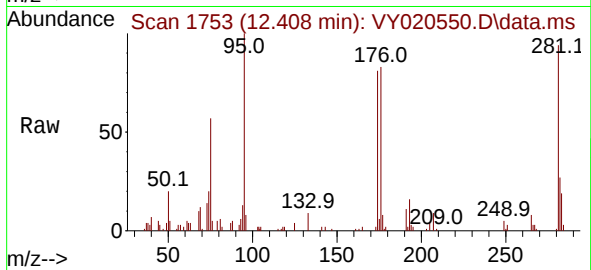
Ion	Ratio	Lower	Upper
105	100		
120	54.3	24.3	72.8



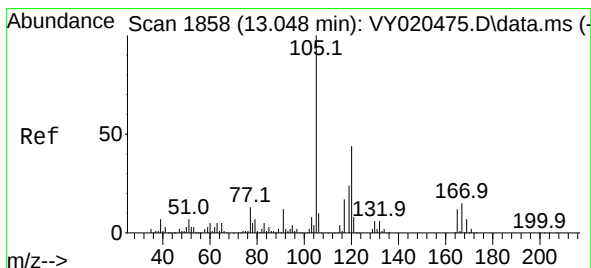
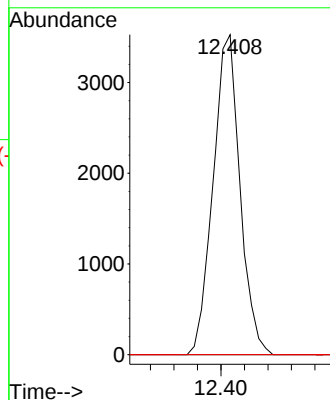
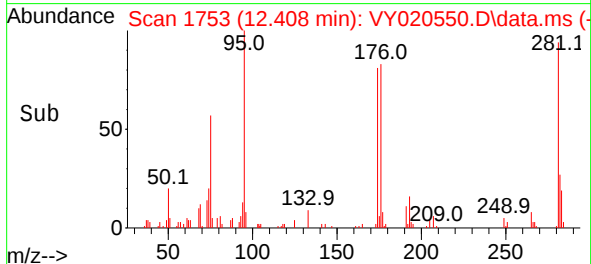


#81
trans-1,4-Dichloro-2-butene
Concen: 137.865 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.098 min
Lab File: VY020550.D
Acq: 09 Dec 2024 13:00

Instrument :
MSVOA_Y
ClientSampleId :

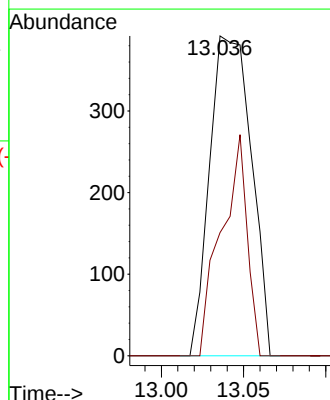
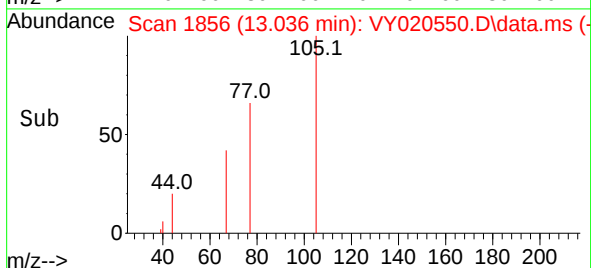
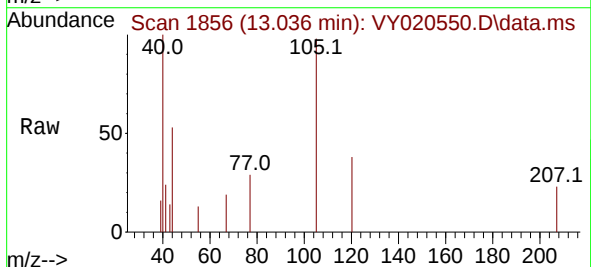


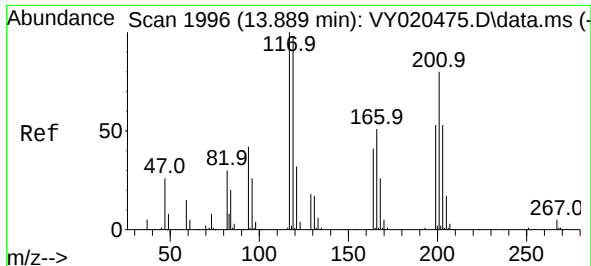
Tgt Ion: 75 Resp: 5603
Ion Ratio Lower Upper
75 100
53 0.0 81.1 121.7#
89 0.0 35.1 52.7#



#84
1,2,4-Trimethylbenzene
Concen: 1.118 ug/l
RT: 13.036 min Scan# 1856
Delta R.T. -0.012 min
Lab File: VY020550.D
Acq: 09 Dec 2024 13:00

Tgt Ion: 105 Resp: 690
Ion Ratio Lower Upper
105 100
120 43.0 22.0 66.0





#90

Hexachloroethane

Concen: 1.676 ug/l

RT: 13.901 min Scan# 1998

Delta R.T. 0.012 min

Lab File: VY020550.D

Acq: 09 Dec 2024 13:00

Instrument :

MSVOA_Y

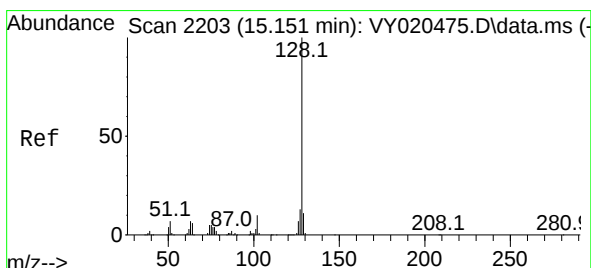
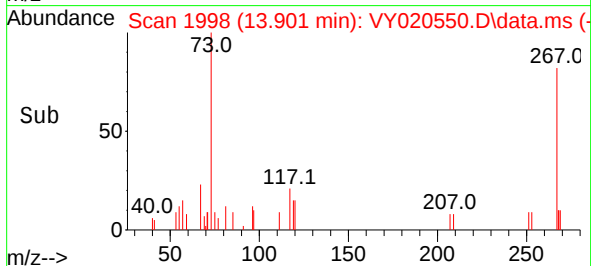
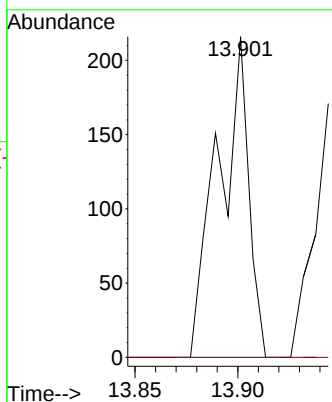
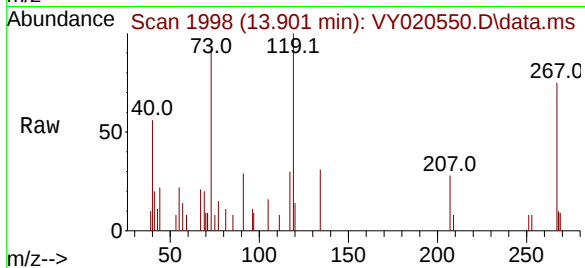
ClientSampleId :

Tgt Ion:117 Resp: 222

Ion Ratio Lower Upper

117 100

201 0.0 37.1 111.3#



#95

Naphthalene

Concen: 2.524 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. -0.006 min

Lab File: VY020550.D

Acq: 09 Dec 2024 13:00

Tgt Ion:128 Resp: 616

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 8.1 8.6 13.0#

