

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
 Data File : VY020742.D
 Acq On : 27 Dec 2024 16:21
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 28 03:04:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 26 16:12:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	133654	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.616	114	218005	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	188482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	82258	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	65873	60.172	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.340%
35) Dibromofluoromethane	7.634	113	66733	55.574	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.140%
50) Toluene-d8	10.109	98	252350	52.748	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.500%
62) 4-Bromofluorobenzene	12.408	95	82085	51.437	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	102.880%

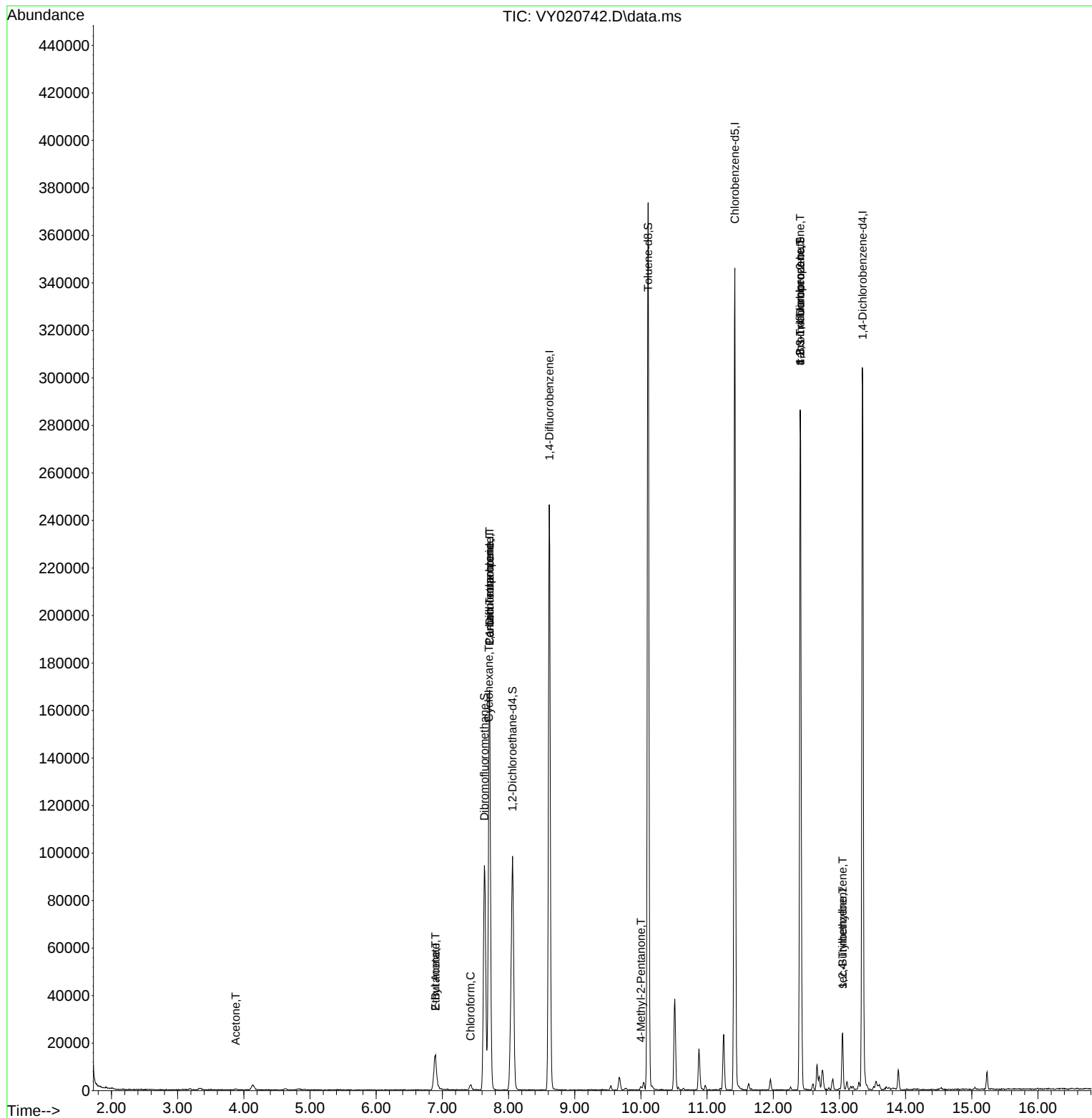
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.848	59	231	Below Cal	#	89
16) Acetone	3.879	43	781	5.624	ug/l #	84
25) 2-Butanone	6.896	43	602	3.209	ug/l #	38
30) Chloroform	7.427	83	2301	1.098	ug/l	99
31) Cyclohexane	7.701	56	2302	1.637	ug/l #	22
36) 1,1-Dichloropropene	7.713	75	8855	5.583	ug/l #	50
37) Ethyl Acetate	6.896	43	602	1.152	ug/l #	1
38) Carbon Tetrachloride	7.713	117	13413	5.135	ug/l #	17
51) 4-Methyl-2-Pentanone	10.000	43	988	1.842	ug/l	99
76) 1,2,3-Trichloropropane	12.408	75	44050	84.198	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	44050	166.426	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.048	105	13423	2.905	ug/l	96
85) sec-Butylbenzene	13.048	105	13423	2.246	ug/l #	55

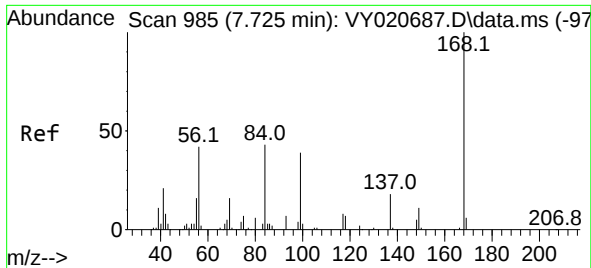
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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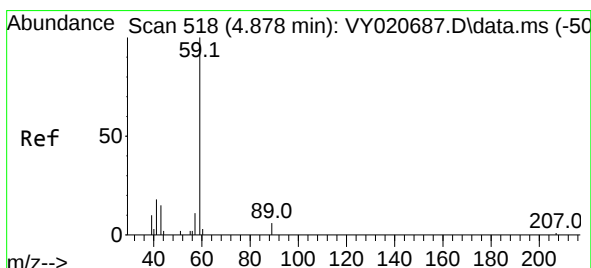
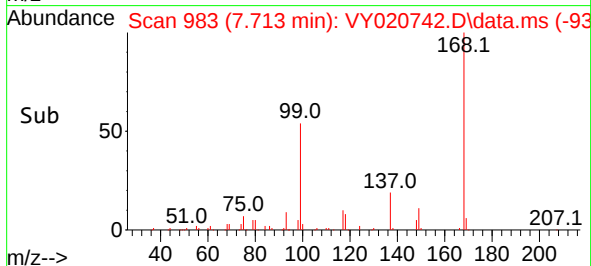
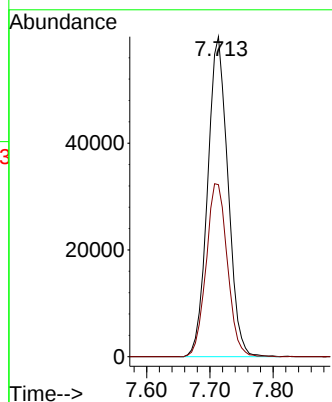
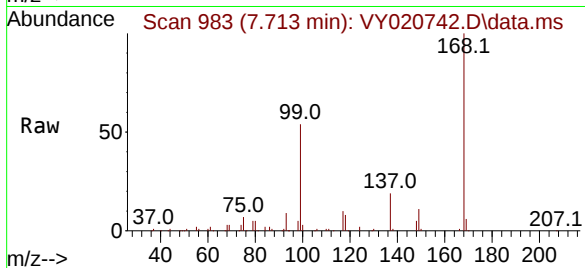




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020742.D
Acq: 27 Dec 2024 16:21

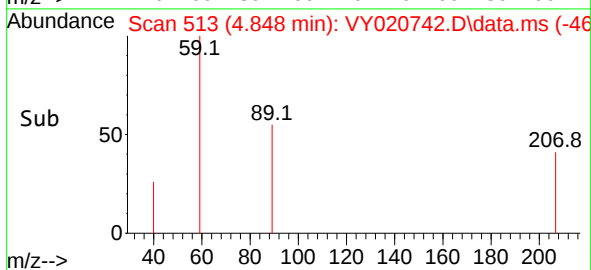
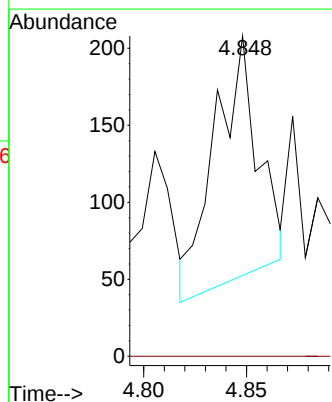
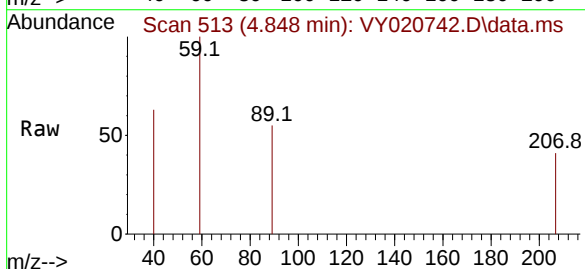
Instrument :
MSVOA_Y
ClientSampleId :

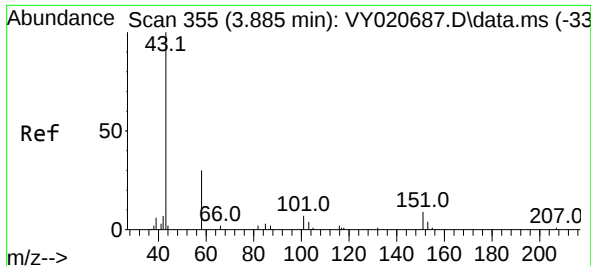
Tgt Ion:168 Resp: 133654
Ion Ratio Lower Upper
168 100
99 53.8 43.8 65.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.848 min Scan# 513
Delta R.T. -0.030 min
Lab File: VY020742.D
Acq: 27 Dec 2024 16:21

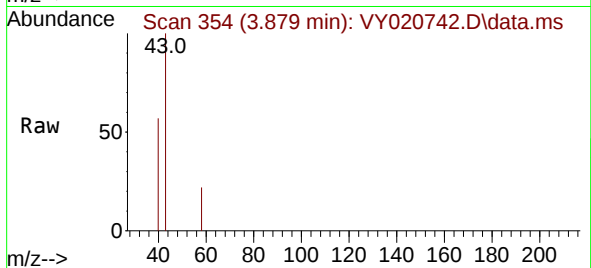
Tgt Ion: 59 Resp: 231
Ion Ratio Lower Upper
59 100
57 0.0 2.8 4.2#



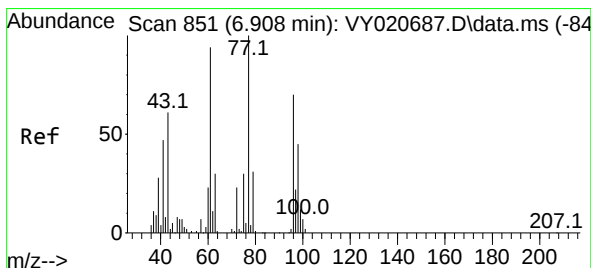
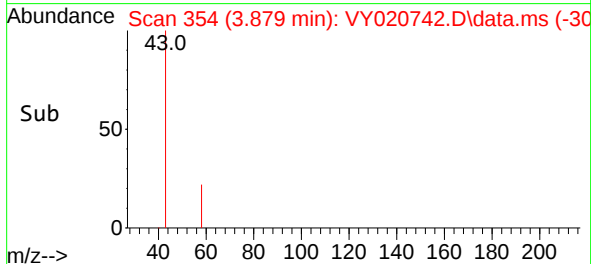
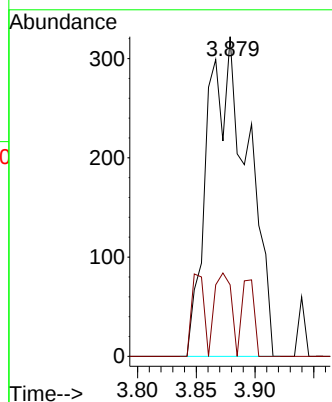


#16
Acetone
Concen: 5.624 ug/l
RT: 3.879 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY020742.D
Acq: 27 Dec 2024 16:21

Instrument :
MSVOA_Y
ClientSampleId :

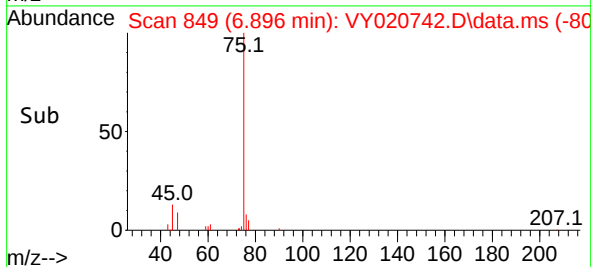
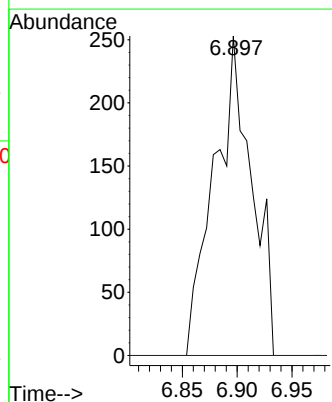
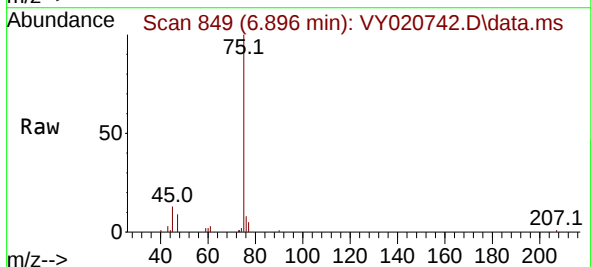


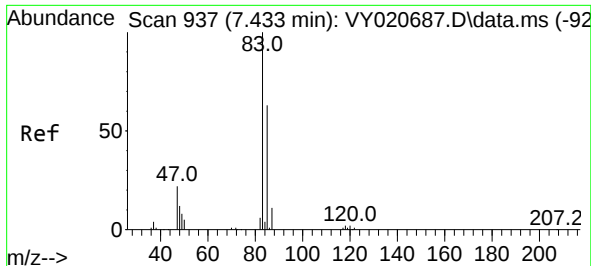
Tgt Ion: 43 Resp: 781
Ion Ratio Lower Upper
43 100
58 22.4 25.0 37.6#



#25
2-Butanone
Concen: 3.209 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.012 min
Lab File: VY020742.D
Acq: 27 Dec 2024 16:21

Tgt Ion: 43 Resp: 602
Ion Ratio Lower Upper
43 100
72 0.0 29.5 44.3#





#30

Chloroform

Concen: 1.098 ug/l

RT: 7.427 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY020742.D

Acq: 27 Dec 2024 16:21

Instrument :

MSVOA_Y

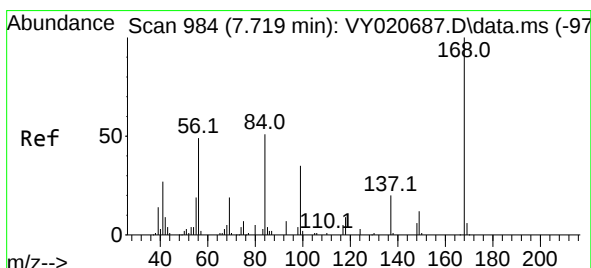
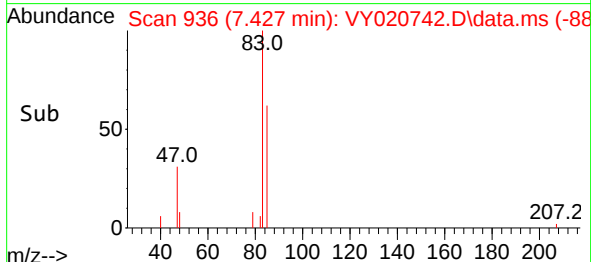
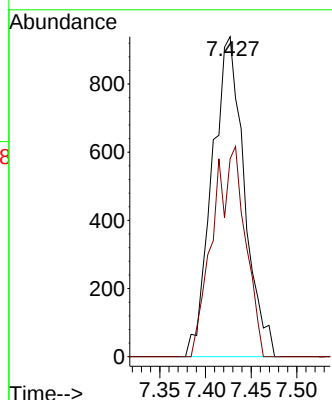
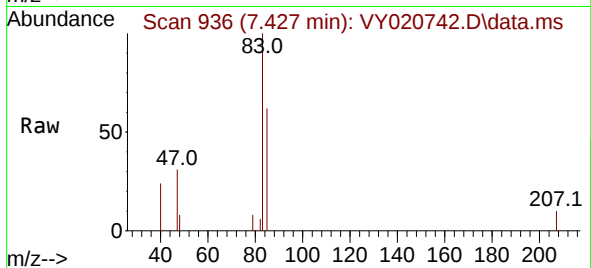
ClientSampleId :

Tgt Ion: 83 Resp: 2301

Ion Ratio Lower Upper

83 100

85 61.9 50.2 75.2



#31

Cyclohexane

Concen: 1.637 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.018 min

Lab File: VY020742.D

Acq: 27 Dec 2024 16:21

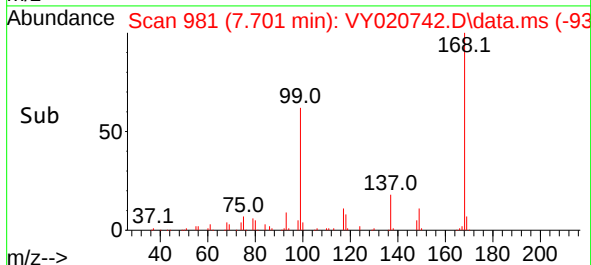
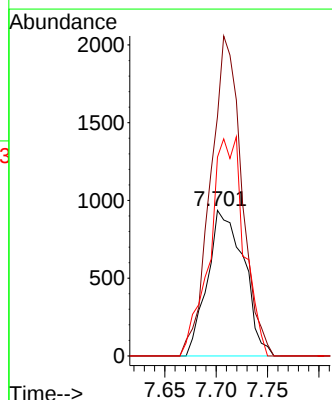
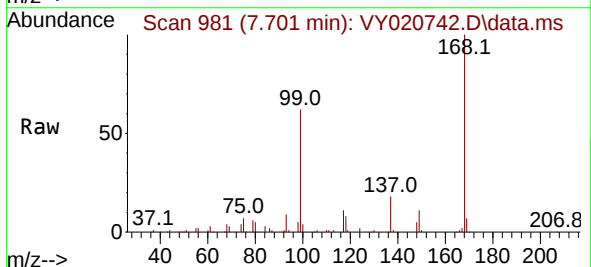
Tgt Ion: 56 Resp: 2302

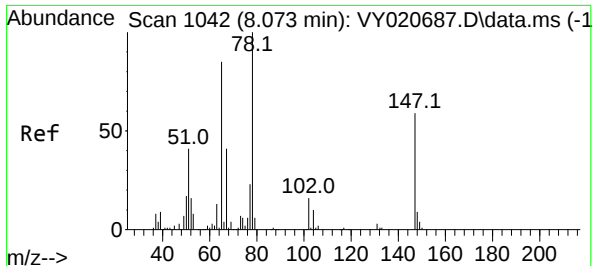
Ion Ratio Lower Upper

56 100

69 164.4 31.3 46.9#

84 136.6 83.9 125.9#





#33

1,2-Dichloroethane-d4

Concen: 60.172 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY020742.D

Acq: 27 Dec 2024 16:21

Instrument :

MSVOA_Y

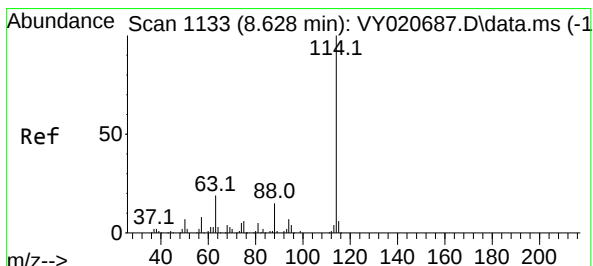
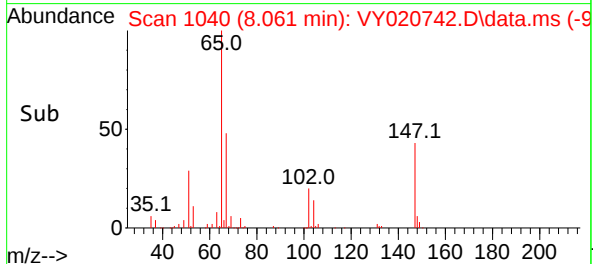
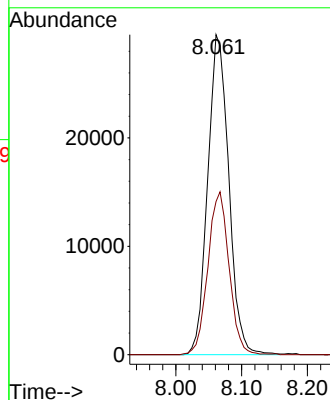
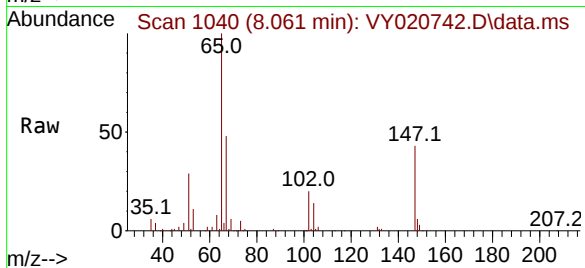
ClientSampleId :

Tgt Ion: 65 Resp: 65873

Ion Ratio Lower Upper

65 100

67 51.2 0.0 98.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.012 min

Lab File: VY020742.D

Acq: 27 Dec 2024 16:21

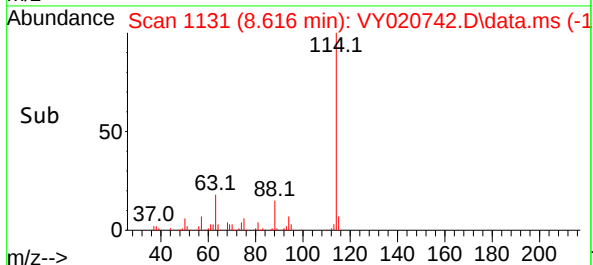
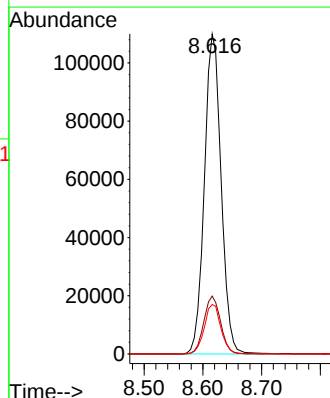
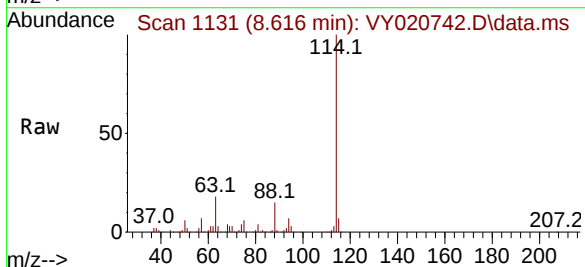
Tgt Ion: 114 Resp: 218005

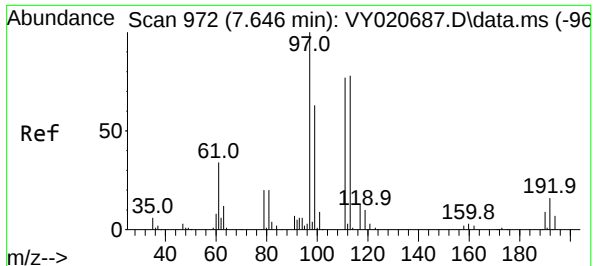
Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

88 15.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 55.574 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.012 min

Lab File: VY020742.D

Acq: 27 Dec 2024 16:21

Instrument :

MSVOA_Y

ClientSampleId :

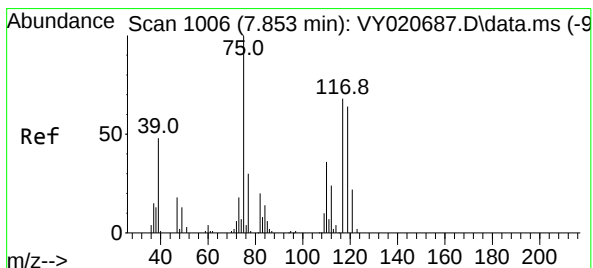
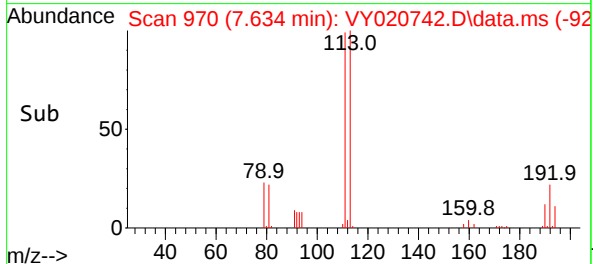
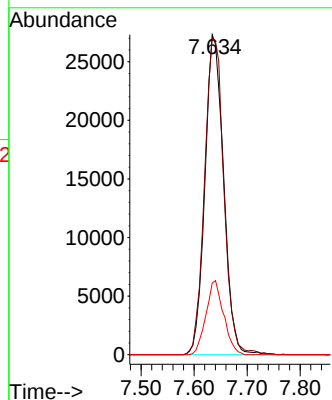
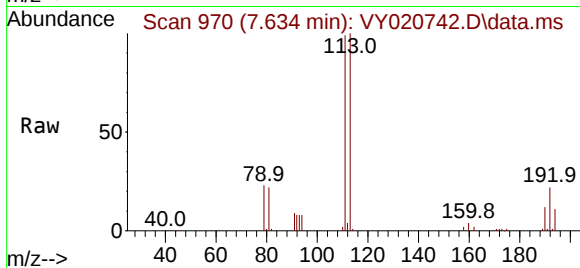
Tgt Ion:113 Resp: 66733

Ion Ratio Lower Upper

113 100

111 102.2 79.8 119.8

192 22.0 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.583 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.140 min

Lab File: VY020742.D

Acq: 27 Dec 2024 16:21

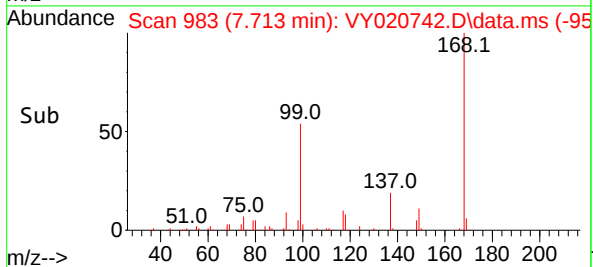
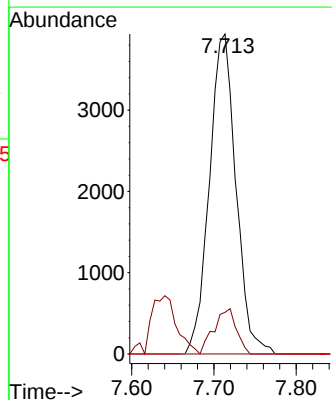
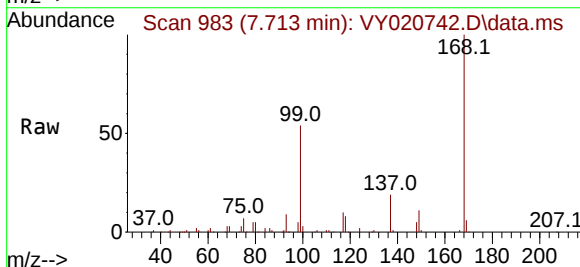
Tgt Ion: 75 Resp: 8855

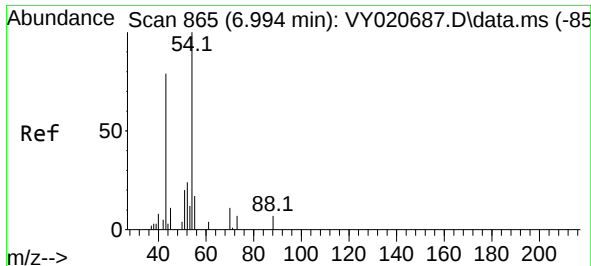
Ion Ratio Lower Upper

75 100

110 11.9 19.6 58.7#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 1.152 ug/l

RT: 6.896 min Scan# 84

Delta R.T. -0.098 min

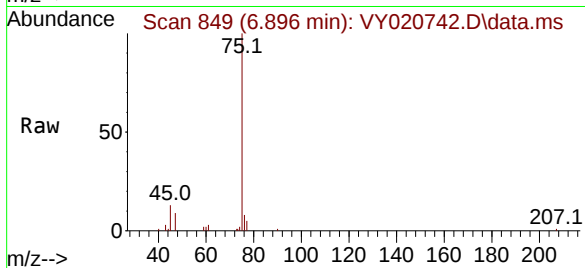
Lab File: VY020742.D

Acq: 27 Dec 2024 16:21

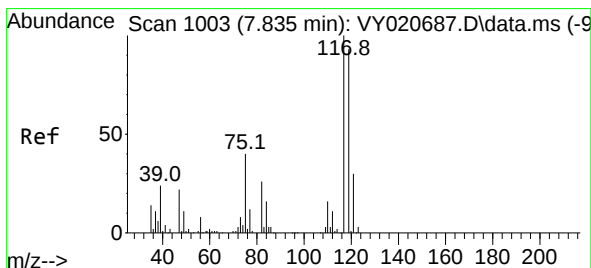
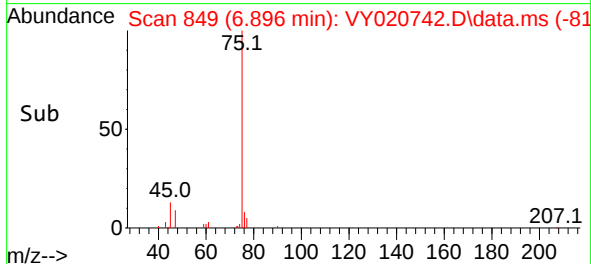
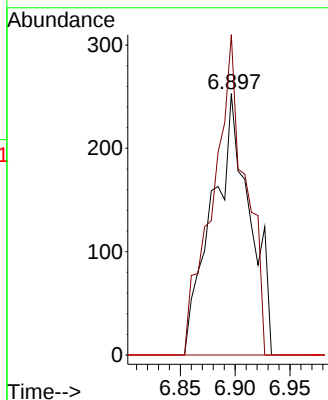
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	602
Ion	Ratio	Lower	Upper
43	100		
61	107.5	11.7	17.5#
70	0.0	11.0	16.4#



#38

Carbon Tetrachloride

Concen: 5.135 ug/l

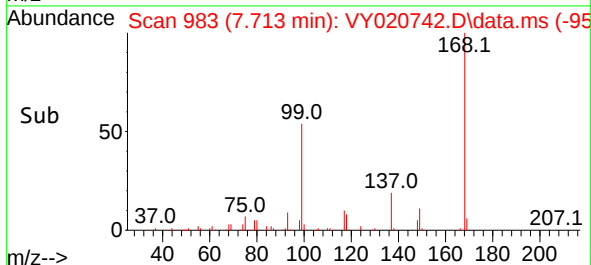
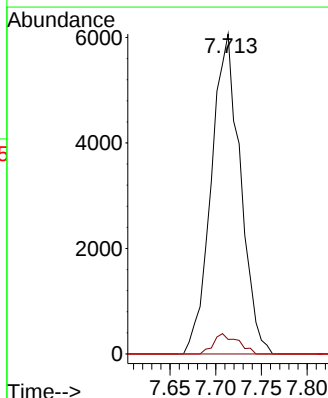
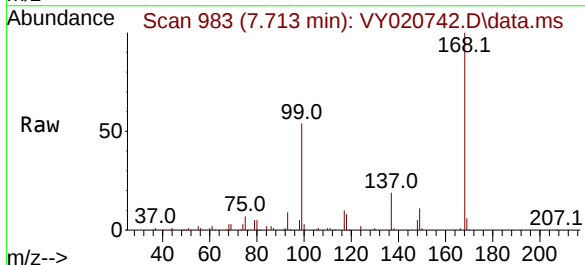
RT: 7.713 min Scan# 983

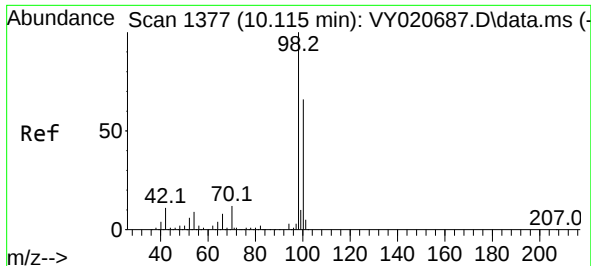
Delta R.T. -0.122 min

Lab File: VY020742.D

Acq: 27 Dec 2024 16:21

Tgt Ion:	117	Resp:	13413
Ion	Ratio	Lower	Upper
117	100		
119	4.6	74.4	111.6#
121	0.0	24.2	36.2#

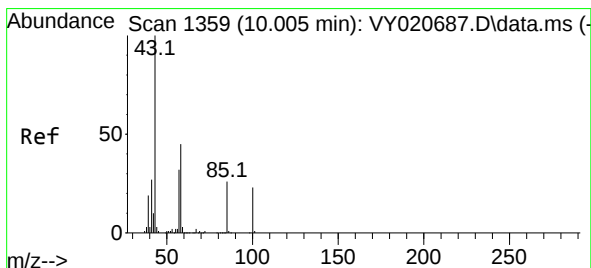
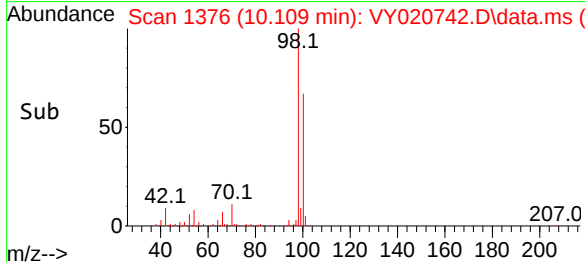
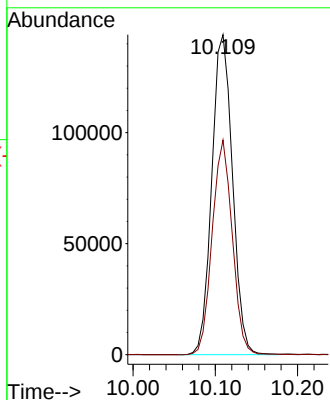
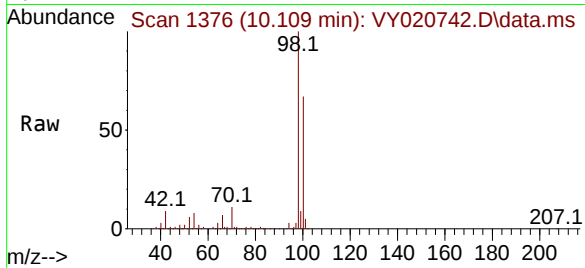




#50
Toluene-d8
Concen: 52.748 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020742.D
Acq: 27 Dec 2024 16:21

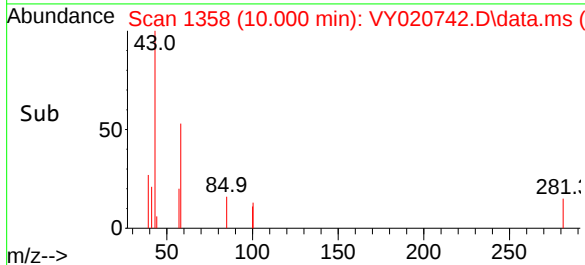
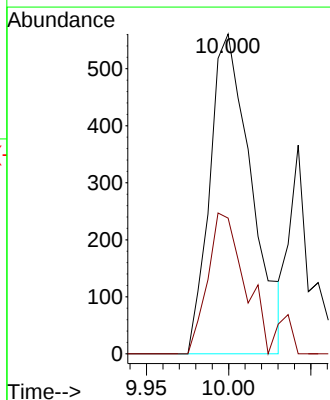
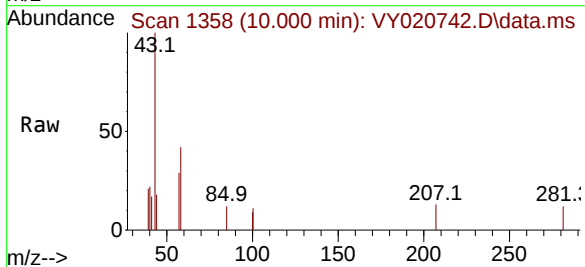
Instrument :
MSVOA_Y
ClientSampleId :

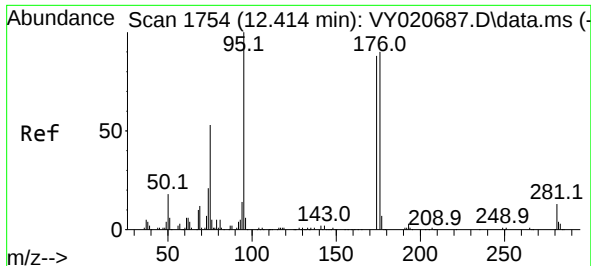
Tgt Ion: 98 Resp: 252350
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.842 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. -0.005 min
Lab File: VY020742.D
Acq: 27 Dec 2024 16:21

Tgt Ion: 43 Resp: 988
Ion Ratio Lower Upper
43 100
58 43.3 35.1 52.7





#62

4-Bromofluorobenzene

Concen: 51.437 ug/l

RT: 12.408 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY020742.D

Acq: 27 Dec 2024 16:21

Instrument :

MSVOA_Y

ClientSampleId :

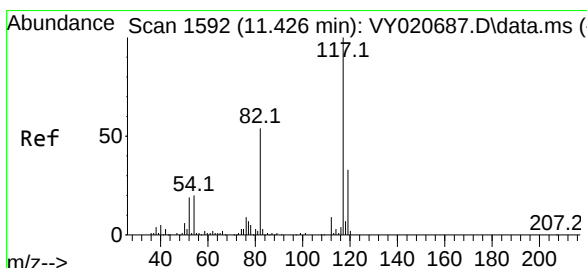
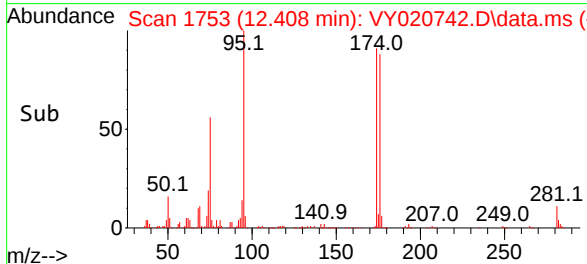
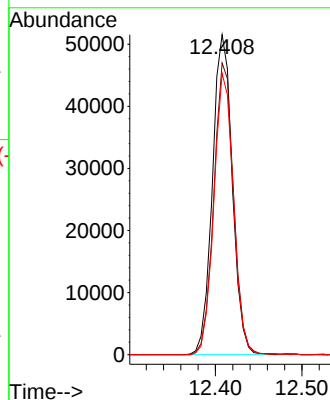
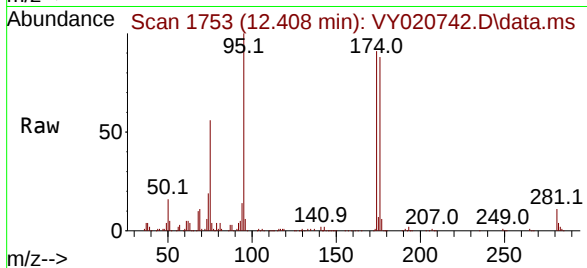
Tgt Ion: 95 Resp: 82085

Ion Ratio Lower Upper

95 100

174 90.6 0.0 179.2

176 86.6 0.0 179.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.006 min

Lab File: VY020742.D

Acq: 27 Dec 2024 16:21

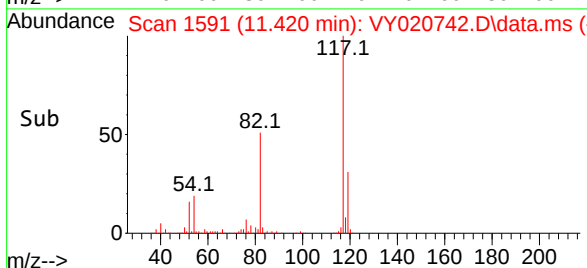
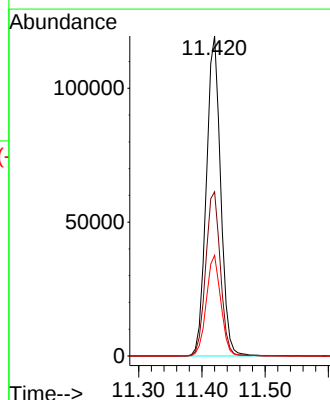
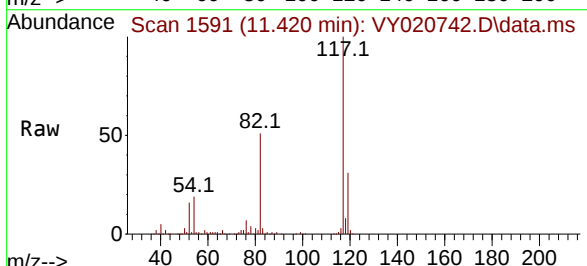
Tgt Ion: 117 Resp: 188482

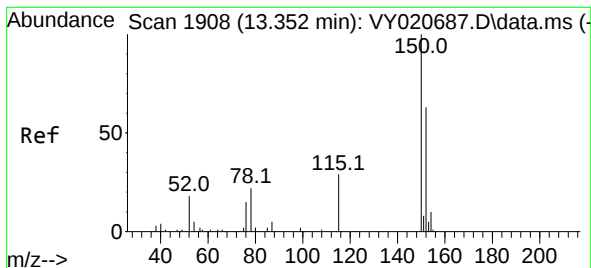
Ion Ratio Lower Upper

117 100

82 51.3 43.4 65.2

119 31.5 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.001 min

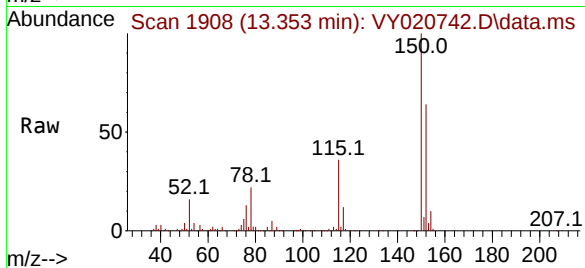
Lab File: VY020742.D

Acq: 27 Dec 2024 16:21

Instrument :

MSVOA_Y

ClientSampleId :



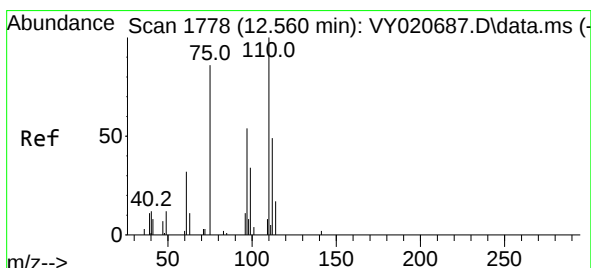
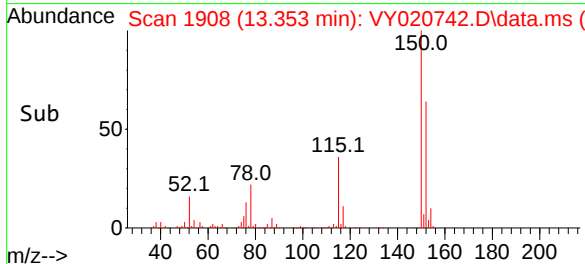
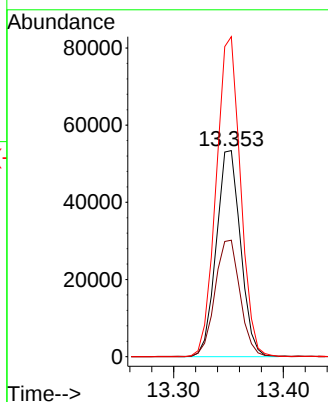
Tgt Ion:152 Resp: 82258

Ion Ratio Lower Upper

152 100

115 58.7 30.3 90.9

150 155.6 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 84.198 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY020742.D

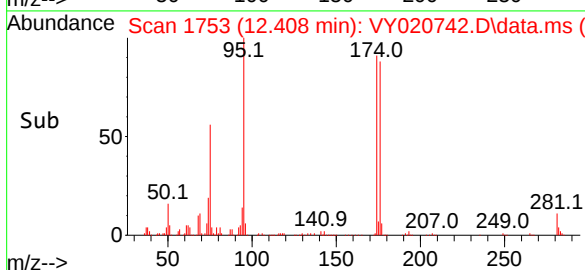
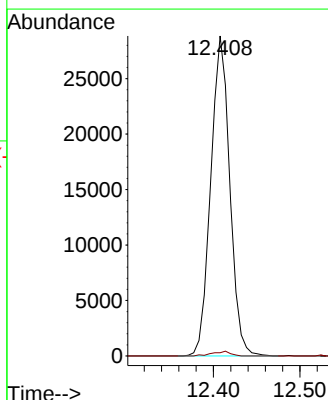
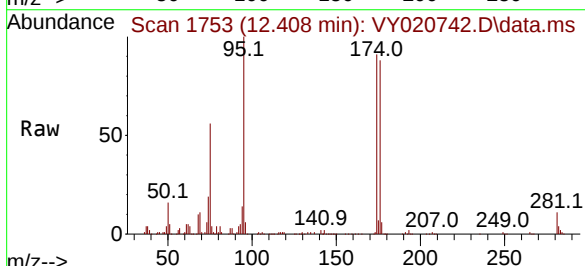
Acq: 27 Dec 2024 16:21

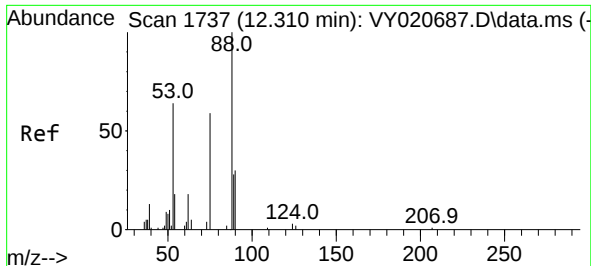
Tgt Ion: 75 Resp: 44050

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

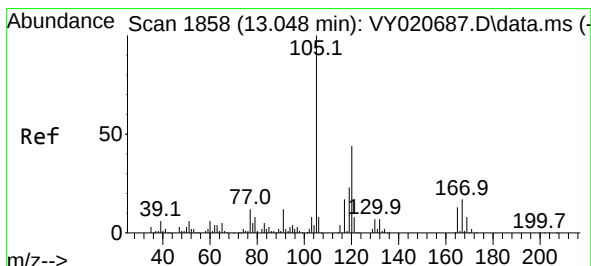
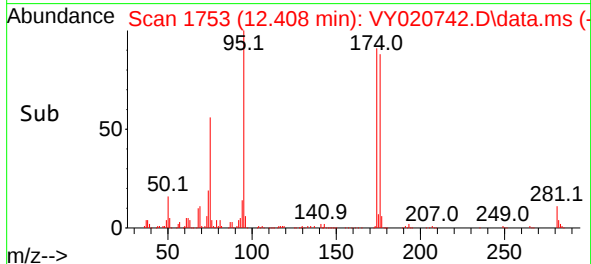
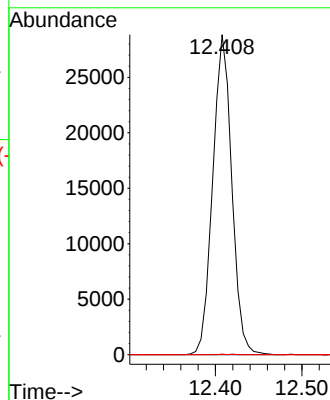
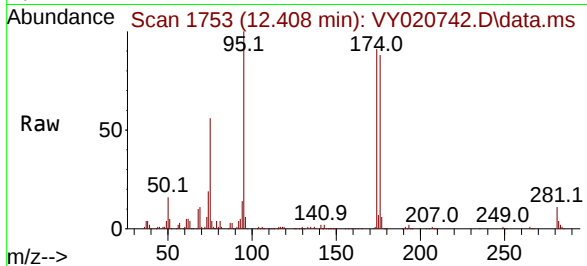




#81
trans-1,4-Dichloro-2-butene
Concen: 166.426 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.098 min
Lab File: VY020742.D
Acq: 27 Dec 2024 16:21

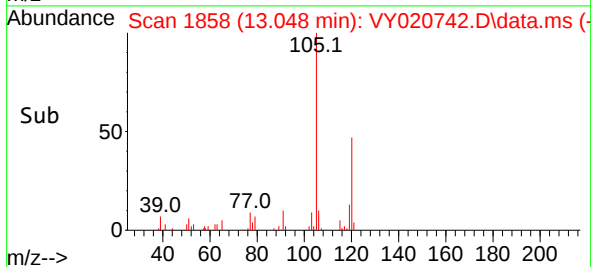
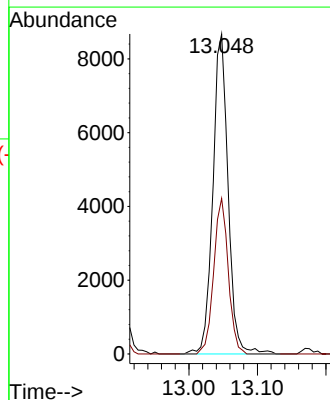
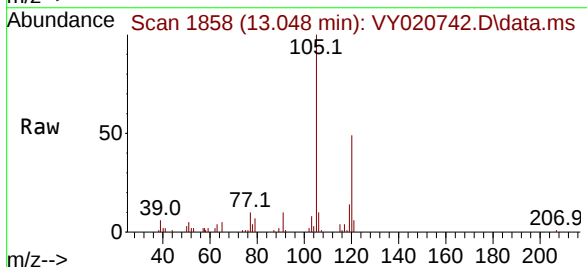
Instrument :
MSVOA_Y
ClientSampleId :

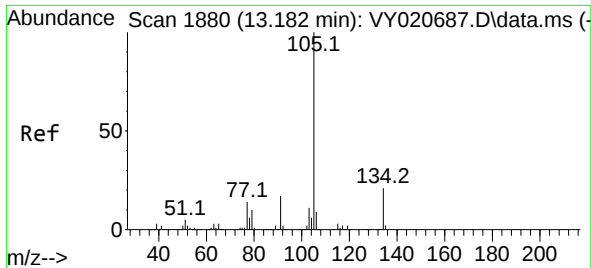
Tgt Ion: 75 Resp: 44050
Ion Ratio Lower Upper
75 100
53 0.0 83.1 124.7#
89 0.1 40.6 61.0#



#84
1,2,4-Trimethylbenzene
Concen: 2.905 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY020742.D
Acq: 27 Dec 2024 16:21

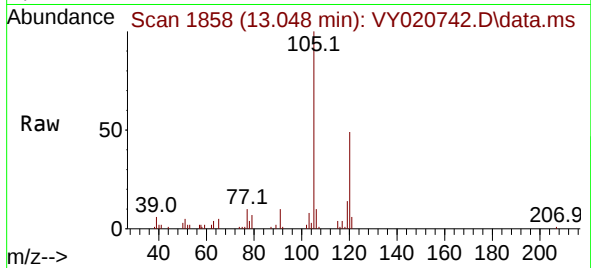
Tgt Ion: 105 Resp: 13423
Ion Ratio Lower Upper
105 100
120 46.3 21.8 65.3





#85
 sec-Butylbenzene
 Concen: 2.246 ug/l
 RT: 13.048 min Scan# 11
 Delta R.T. -0.134 min
 Lab File: VY020742.D
 Acq: 27 Dec 2024 16:21

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:105 Resp: 13423
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.7 32.1#

