

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120324\
 Data File : VY020502.D
 Acq On : 03 Dec 2024 16:16
 Operator : SY/MD
 Sample : P5069-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 03 22:13:07 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)

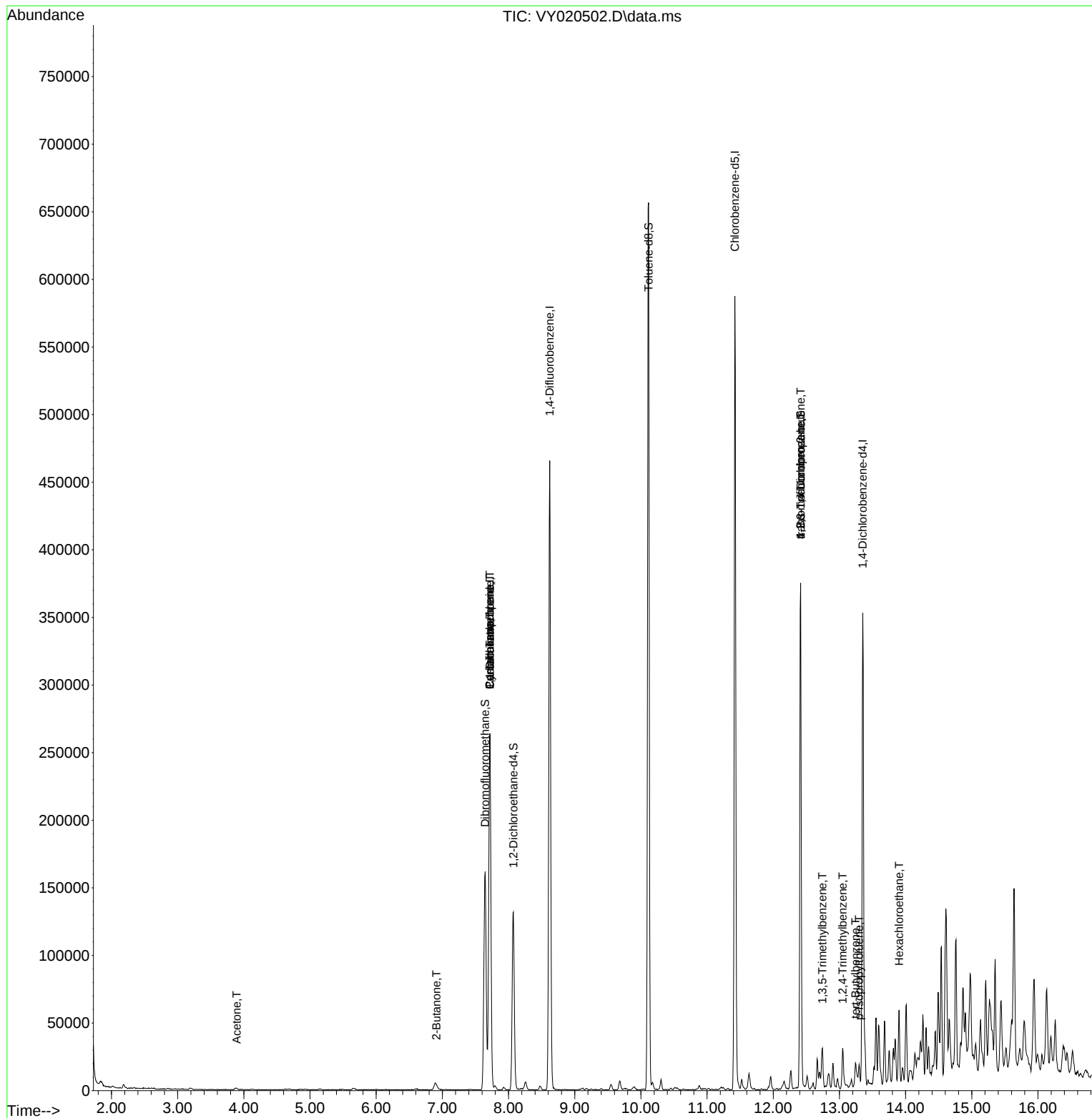
Internal Standards						
1) Pentafluorobenzene	7.719	168	199166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	377545	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	303823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	86135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	109445	54.032	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.060%			
35) Dibromofluoromethane	7.646	113	118069	49.675	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.360%			
50) Toluene-d8	10.115	98	431524	47.679	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.360%			
62) 4-Bromofluorobenzene	12.414	95	114755	36.253	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 72.500%			
Target Compounds						
					Qvalue	
16) Acetone	3.891	43	2490	4.944	ug/l	98
25) 2-Butanone	6.908	43	1323	2.080	ug/l	90
31) Cyclohexane	7.719	56	4634	1.161	ug/l #	1
36) 1,1-Dichloropropene	7.719	75	16426	4.092	ug/l #	51
38) Carbon Tetrachloride	7.719	117	21239	4.434	ug/l #	14
76) 1,2,3-Trichloropropane	12.414	75	64165	73.127	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.743	105	9278	1.389	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.414	75	64165	150.046	ug/l #	9
83) tert-Butylbenzene	13.243	119	6235	1.033	ug/l	68
84) 1,2,4-Trimethylbenzene	13.048	105	15078	2.323	ug/l	100
86) p-Isopropyltoluene	13.298	119	7173	1.003	ug/l	96
90) Hexachloroethane	13.901	117	2338	1.678	ug/l #	12

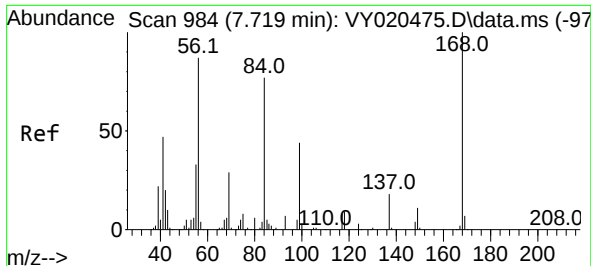
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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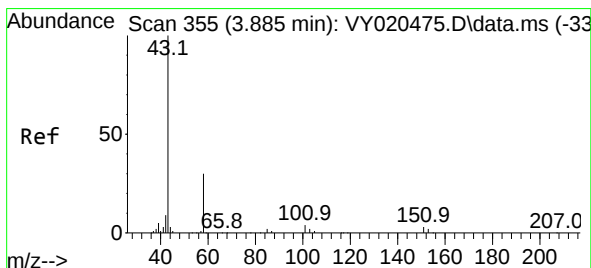
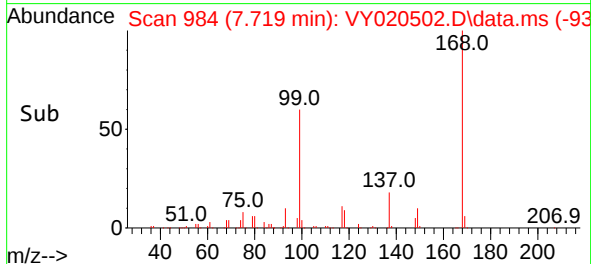
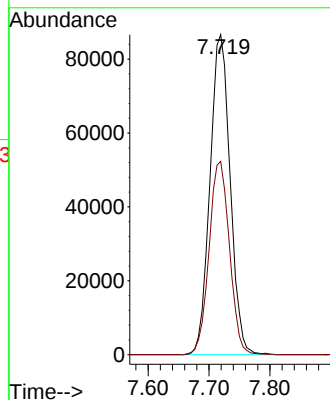
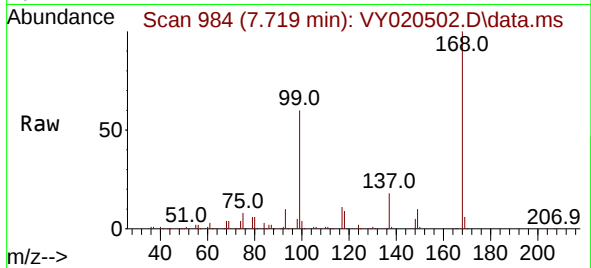




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020502.D
Acq: 03 Dec 2024 16:16

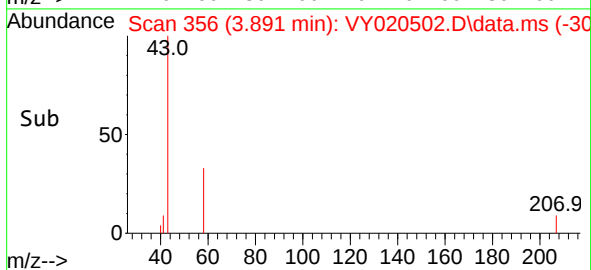
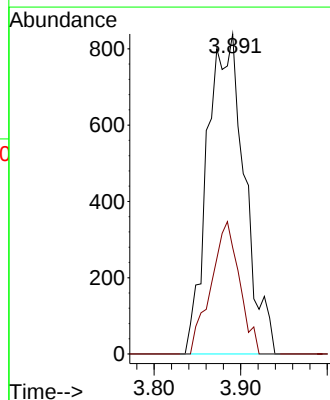
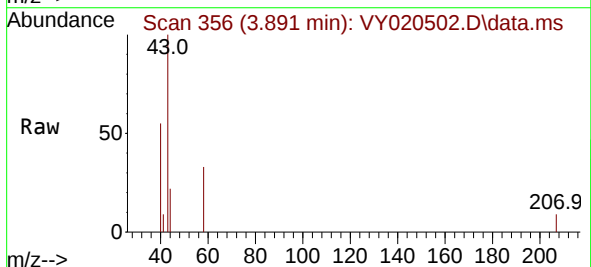
Instrument :
MSVOA_Y
ClientSampleId :

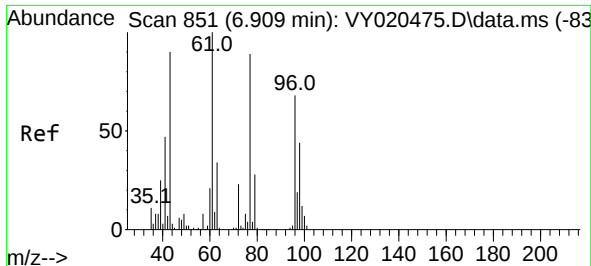
Tgt Ion:168 Resp: 199166
Ion Ratio Lower Upper
168 100
99 60.4 46.6 69.8



#16
Acetone
Concen: 4.944 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.006 min
Lab File: VY020502.D
Acq: 03 Dec 2024 16:16

Tgt Ion: 43 Resp: 2490
Ion Ratio Lower Upper
43 100
58 33.3 25.7 38.5





#25

2-Butanone

Concen: 2.080 ug/l

RT: 6.908 min Scan# 81

Delta R.T. -0.000 min

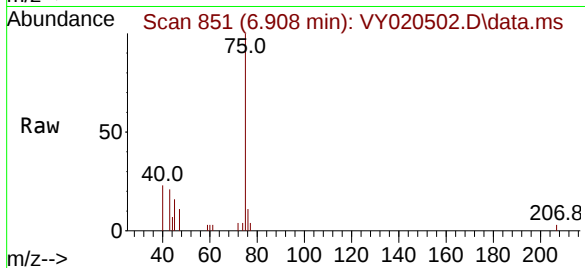
Lab File: VY020502.D

Acq: 03 Dec 2024 16:16

Instrument :

MSVOA_Y

ClientSampleId :

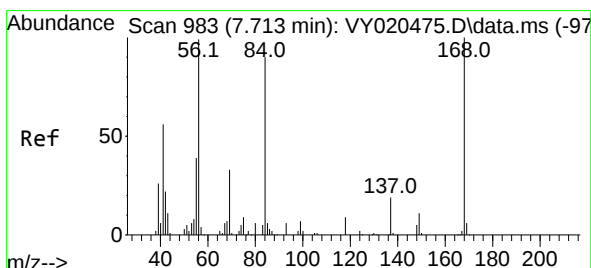
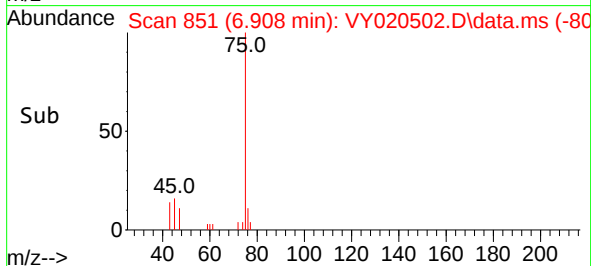
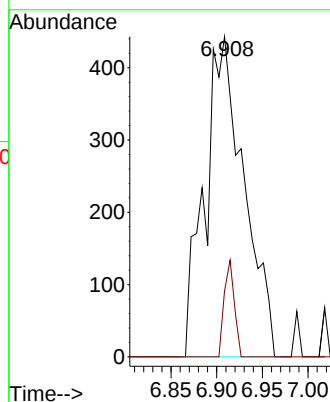


Tgt Ion: 43 Resp: 1323

Ion Ratio Lower Upper

43 100

72 20.5 20.4 30.6



#31

Cyclohexane

Concen: 1.161 ug/l

RT: 7.719 min Scan# 984

Delta R.T. 0.006 min

Lab File: VY020502.D

Acq: 03 Dec 2024 16:16

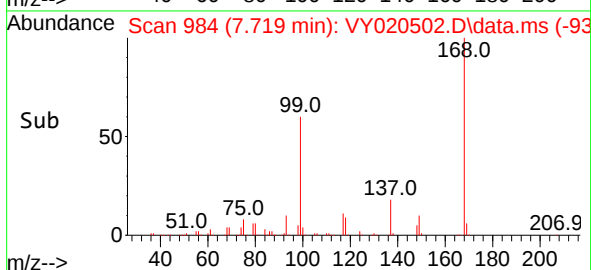
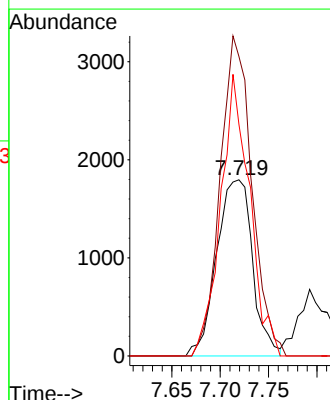
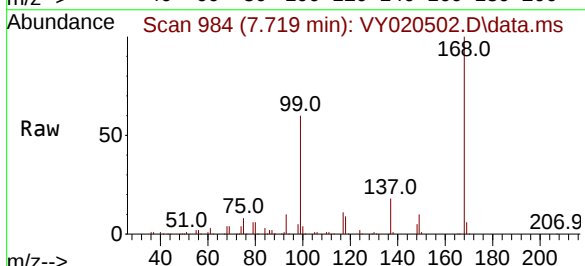
Tgt Ion: 56 Resp: 4634

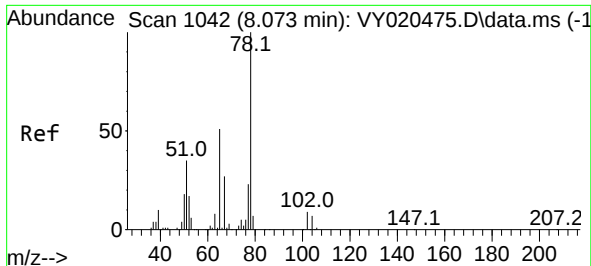
Ion Ratio Lower Upper

56 100

69 170.0 25.3 37.9#

84 131.5 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 54.032 ug/l

RT: 8.073 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY020502.D

Acq: 03 Dec 2024 16:16

Instrument :

MSVOA_Y

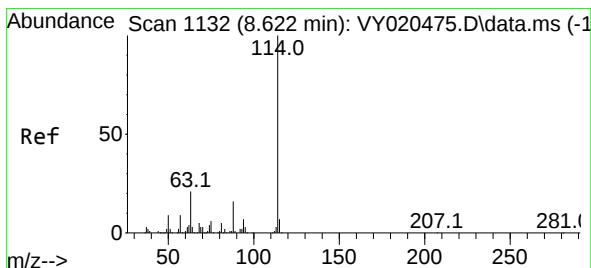
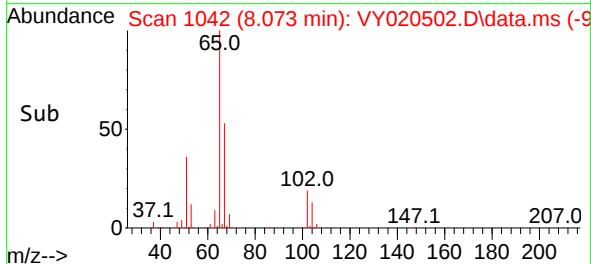
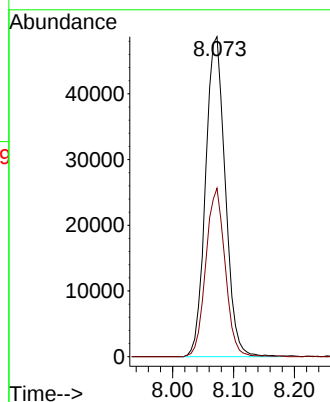
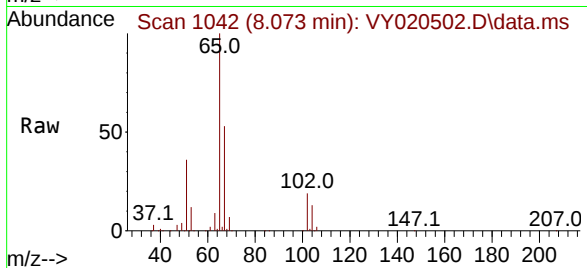
ClientSampleId :

Tgt Ion: 65 Resp: 109445

Ion Ratio Lower Upper

65 100

67 51.6 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY020502.D

Acq: 03 Dec 2024 16:16

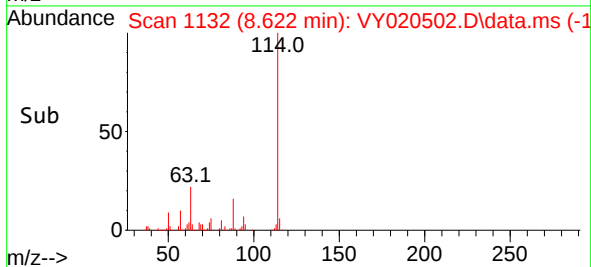
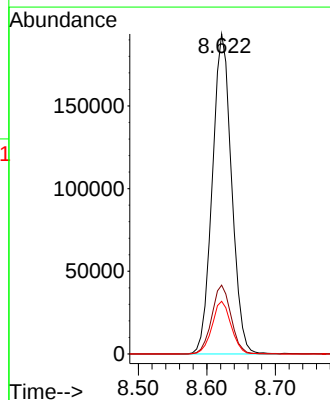
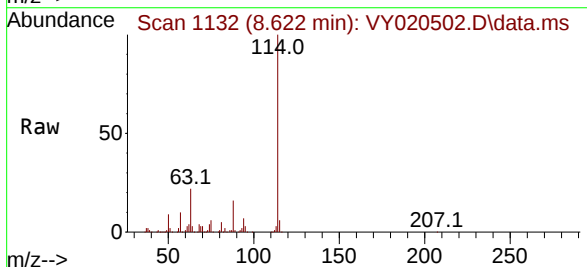
Tgt Ion:114 Resp: 377545

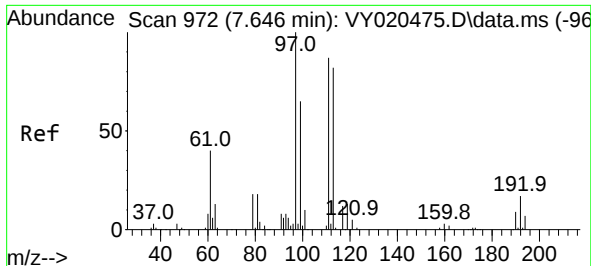
Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.8

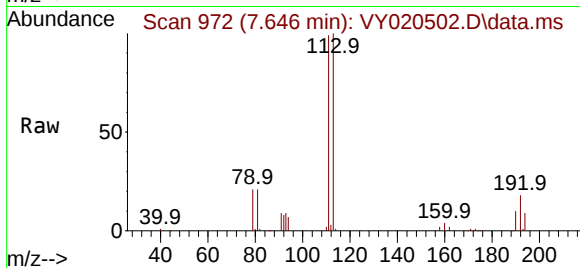
88 16.5 0.0 32.0



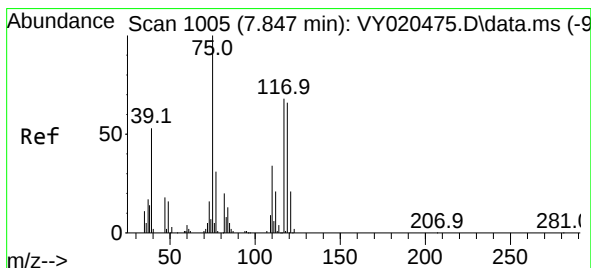
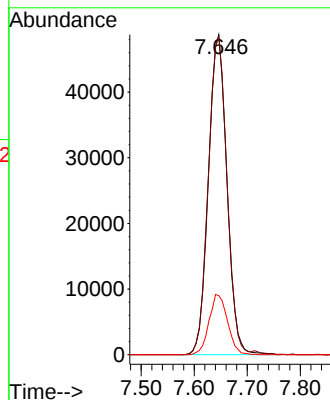
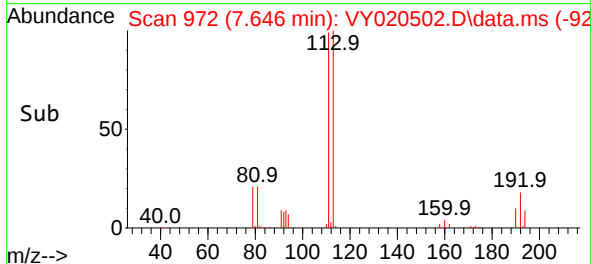


#35
Dibromofluoromethane
Concen: 49.675 ug/l
RT: 7.646 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY020502.D
Acq: 03 Dec 2024 16:16

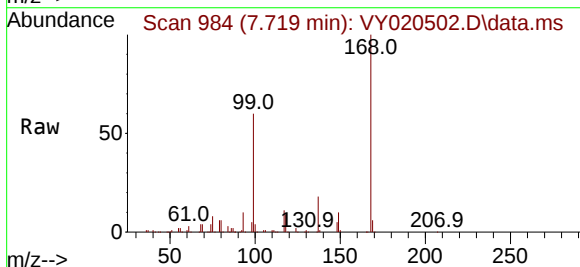
Instrument :
MSVOA_Y
ClientSampleId :



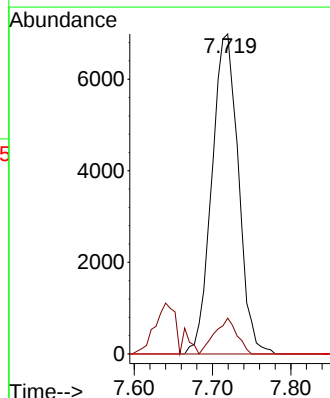
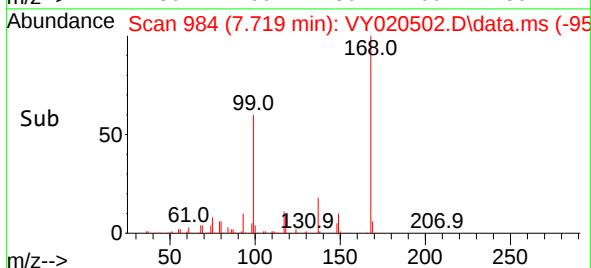
Tgt Ion:113 Resp: 118069
Ion Ratio Lower Upper
113 100
111 100.2 81.4 122.0
192 18.8 15.1 22.7

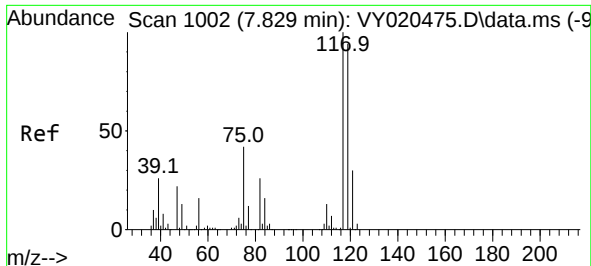


#36
1,1-Dichloropropene
Concen: 4.092 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.128 min
Lab File: VY020502.D
Acq: 03 Dec 2024 16:16



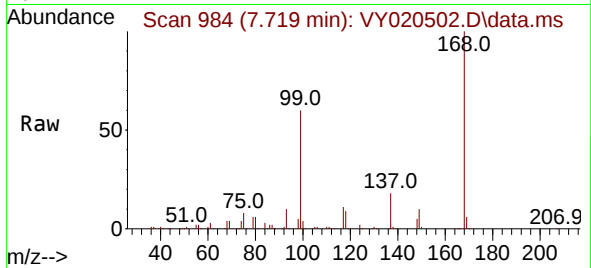
Tgt Ion: 75 Resp: 16426
Ion Ratio Lower Upper
75 100
110 9.4 16.7 50.0#
77 0.0 24.6 36.8#



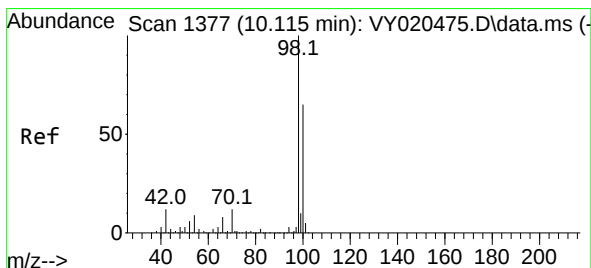
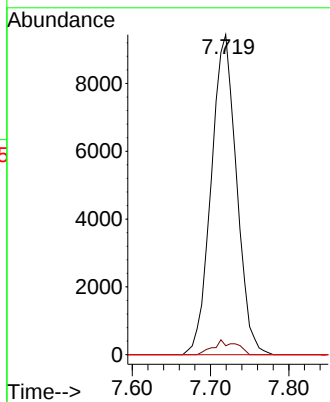
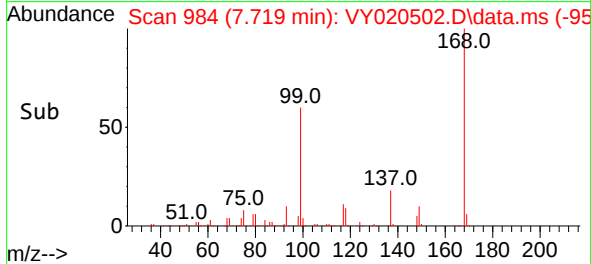


#38
Carbon Tetrachloride
Concen: 4.434 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY020502.D
Acq: 03 Dec 2024 16:16

Instrument :
MSVOA_Y
ClientSampleId :

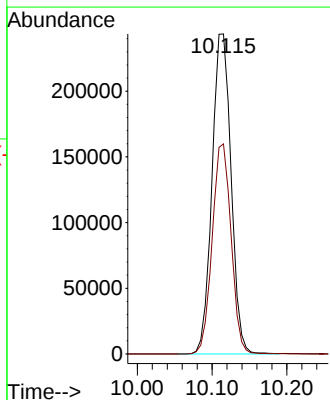
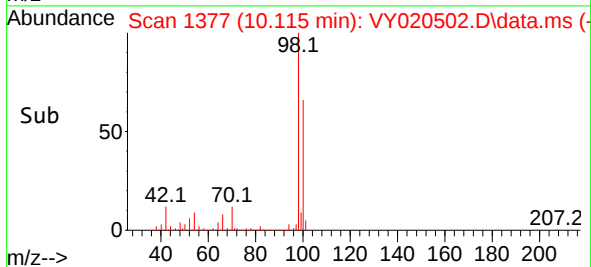
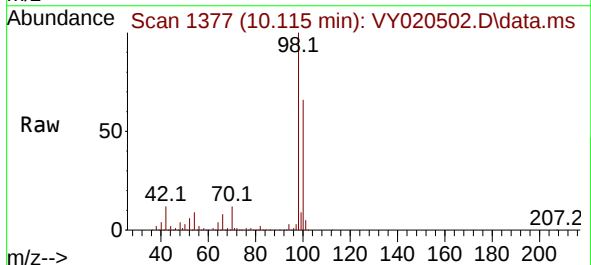


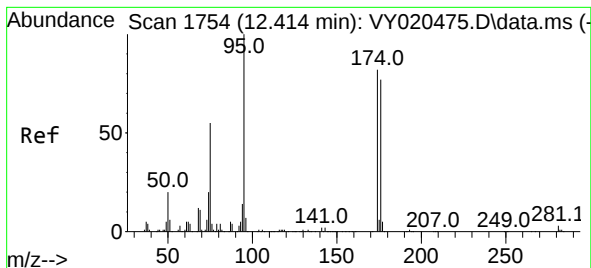
Tgt Ion:117 Resp: 21239
Ion Ratio Lower Upper
117 100
119 2.8 77.8 116.6#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 47.679 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VY020502.D
Acq: 03 Dec 2024 16:16

Tgt Ion: 98 Resp: 431524
Ion Ratio Lower Upper
98 100
100 65.2 51.3 76.9

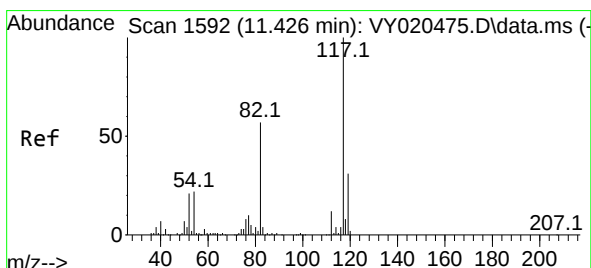
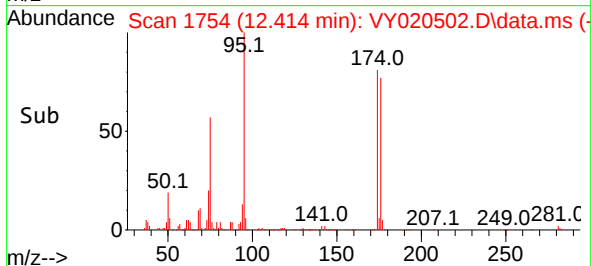
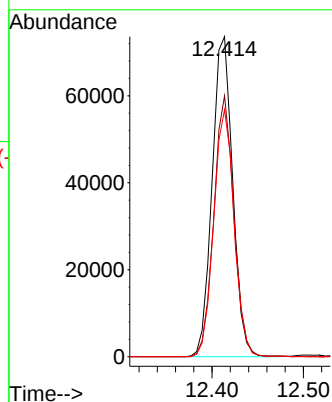
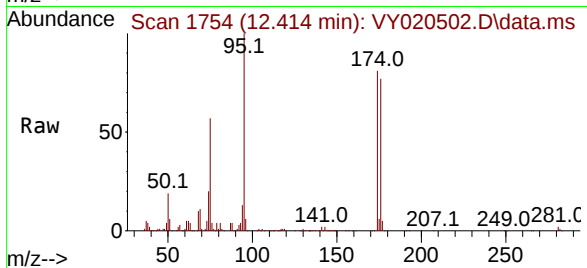




#62
4-Bromofluorobenzene
Concen: 36.253 ug/l
RT: 12.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020502.D
Acq: 03 Dec 2024 16:16

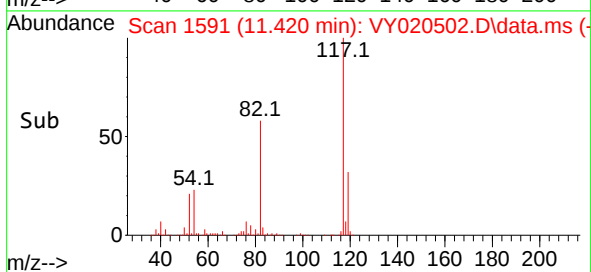
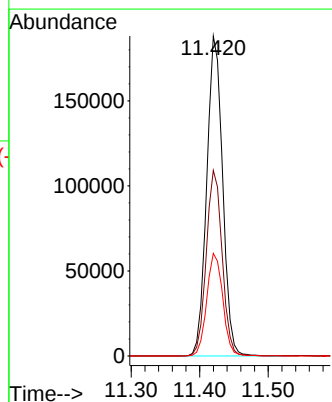
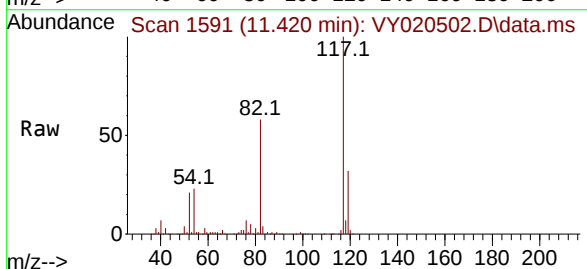
Instrument :
MSVOA_Y
ClientSampleId :

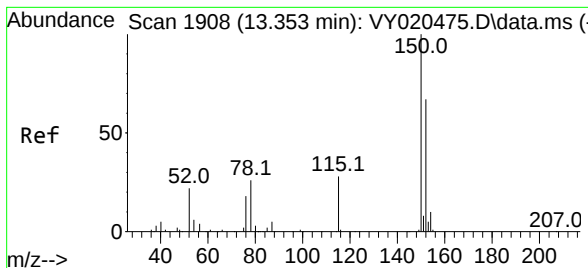
Tgt Ion: 95 Resp: 114755
Ion Ratio Lower Upper
95 100
174 79.7 0.0 156.8
176 76.5 0.0 152.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.006 min
Lab File: VY020502.D
Acq: 03 Dec 2024 16:16

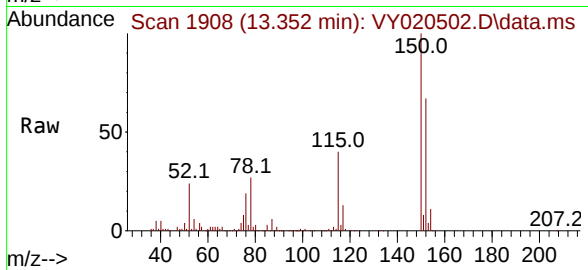
Tgt Ion: 117 Resp: 303823
Ion Ratio Lower Upper
117 100
82 58.0 48.2 72.4
119 32.1 25.8 38.8



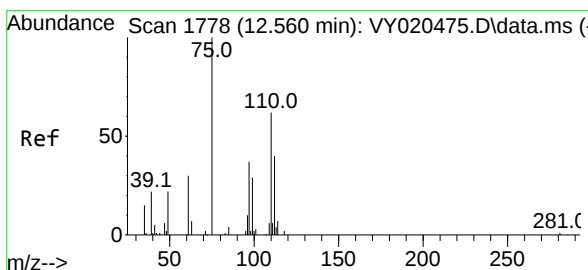
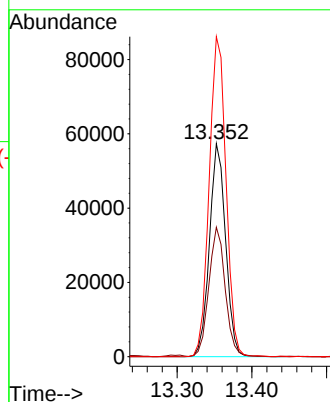
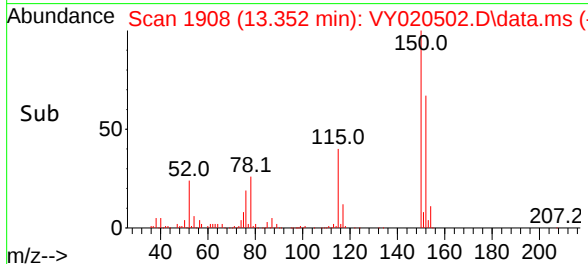


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY020502.D
Acq: 03 Dec 2024 16:16

Instrument :
MSVOA_Y
ClientSampleId :

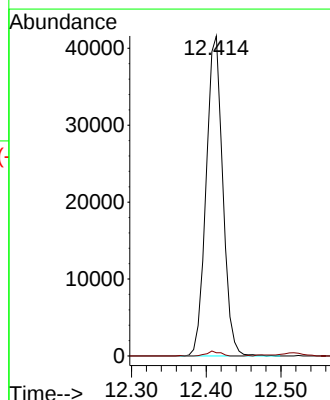
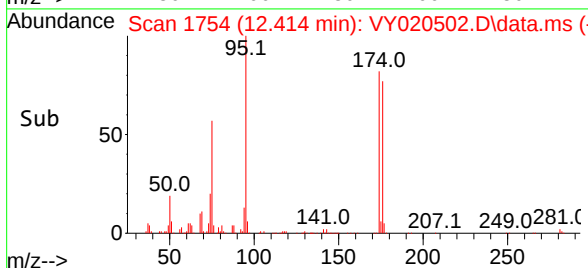
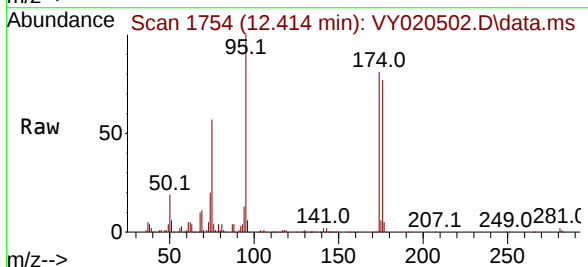


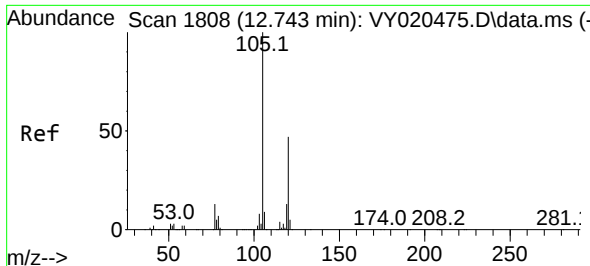
Tgt Ion:152 Resp: 86135
Ion Ratio Lower Upper
152 100
115 61.6 30.0 90.0
150 155.9 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 73.127 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.146 min
Lab File: VY020502.D
Acq: 03 Dec 2024 16:16

Tgt Ion: 75 Resp: 64165
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

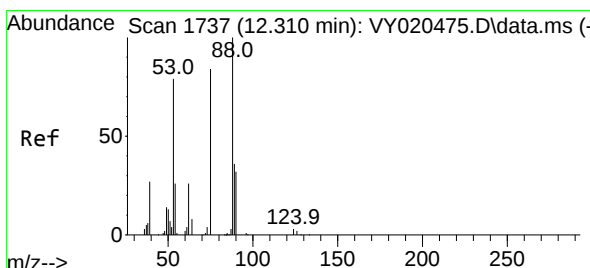
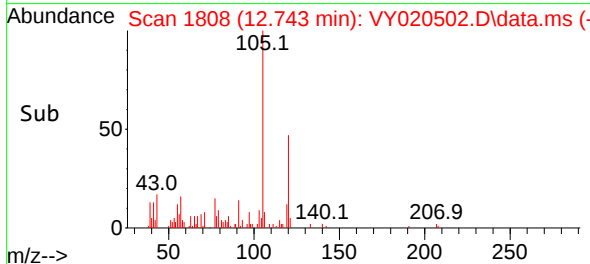
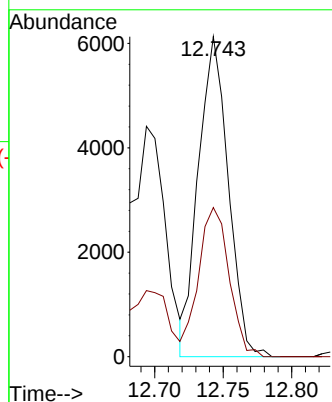
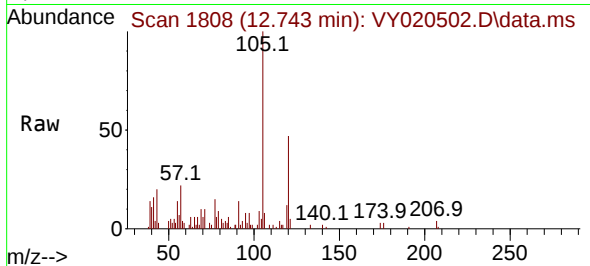




#80
 1,3,5-Trimethylbenzene
 Concen: 1.389 ug/l
 RT: 12.743 min Scan# 1754
 Delta R.T. -0.000 min
 Lab File: VY020502.D
 Acq: 03 Dec 2024 16:16

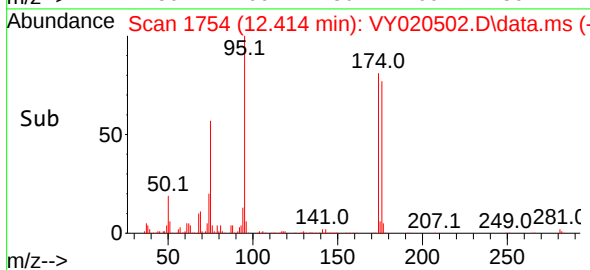
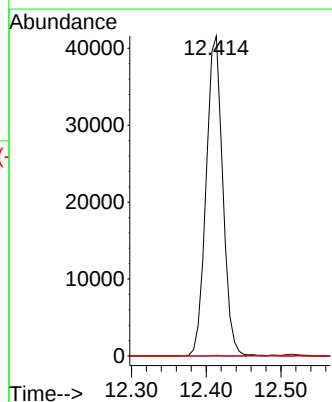
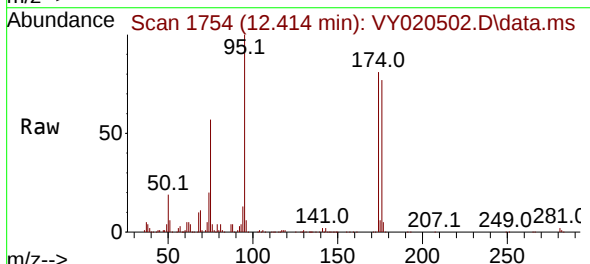
Instrument :
 MSVOA_Y
 ClientSampleId :

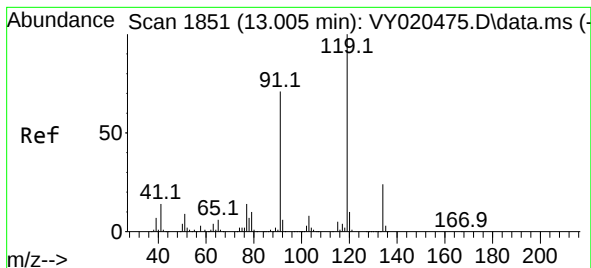
Tgt Ion:105 Resp: 9278
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 150.046 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. 0.103 min
 Lab File: VY020502.D
 Acq: 03 Dec 2024 16:16

Tgt Ion: 75 Resp: 64165
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.1 121.7#
 89 0.1 35.1 52.7#





#83

tert-Butylbenzene

Concen: 1.033 ug/l

RT: 13.243 min Scan# 1890

Delta R.T. 0.238 min

Lab File: VY020502.D

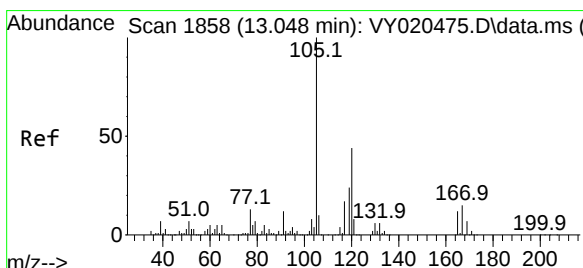
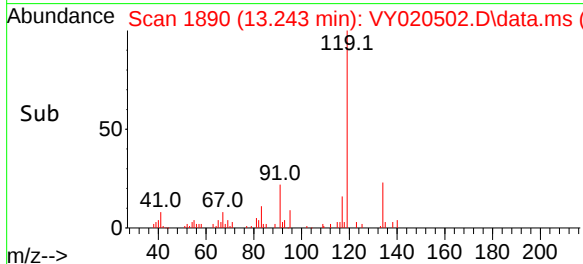
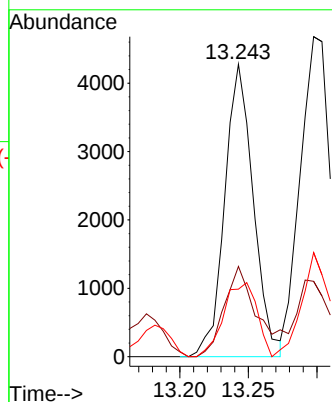
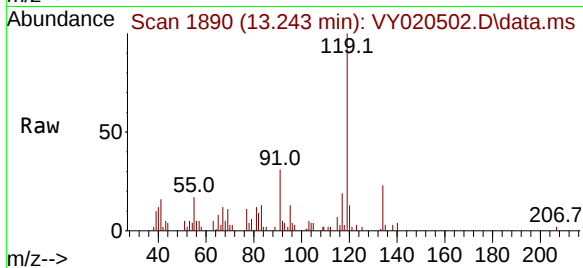
Acq: 03 Dec 2024 16:16

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:119	Resp:	6235
Ion	Ratio	Lower Upper
119	100	
91	33.5	33.3 99.9
134	29.4	13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 2.323 ug/l

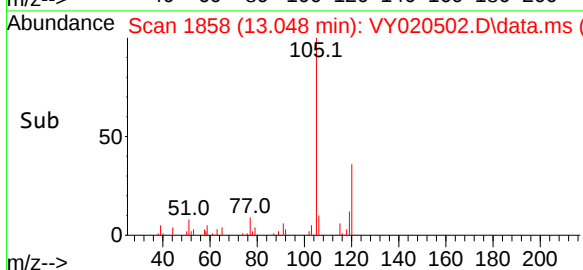
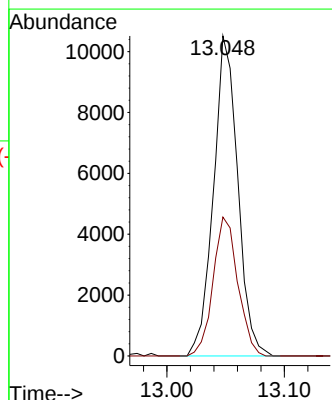
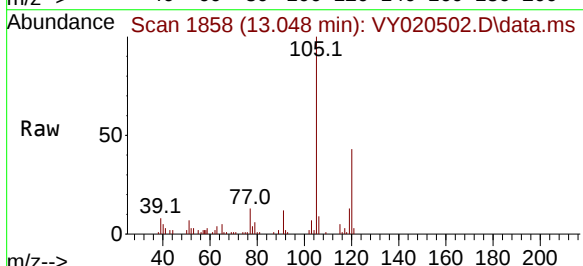
RT: 13.048 min Scan# 1858

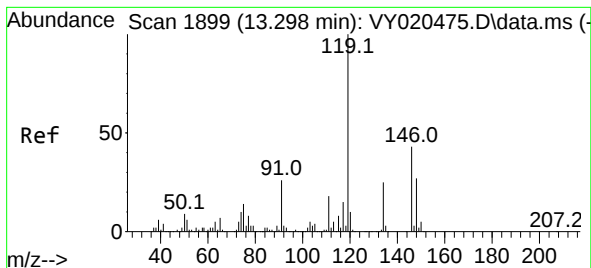
Delta R.T. -0.000 min

Lab File: VY020502.D

Acq: 03 Dec 2024 16:16

Tgt Ion:105	Resp:	15078
Ion	Ratio	Lower Upper
105	100	
120	44.2	22.0 66.0





#86

p-Isopropyltoluene

Concen: 1.003 ug/l

RT: 13.298 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VY020502.D

Acq: 03 Dec 2024 16:16

Instrument :

MSVOA_Y

ClientSampleId :

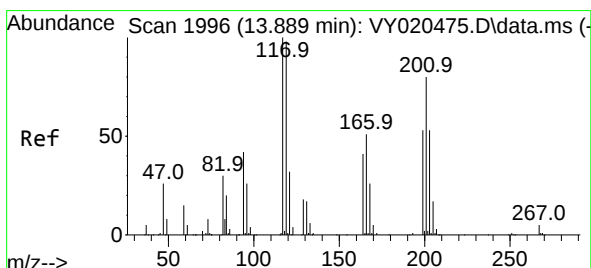
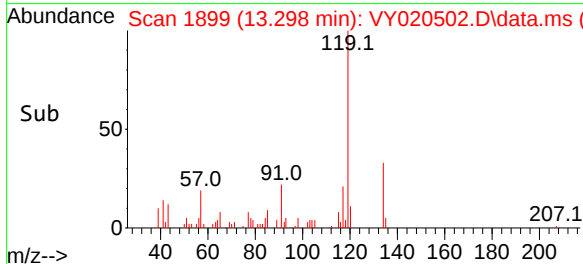
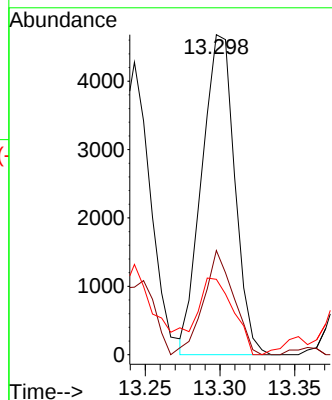
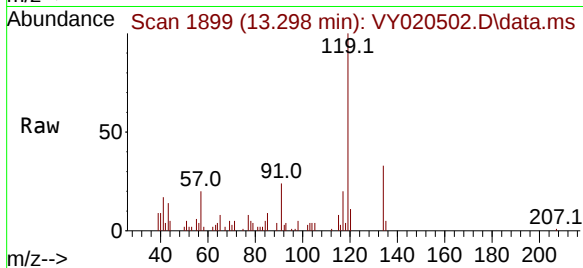
Tgt Ion:119 Resp: 7173

Ion Ratio Lower Upper

119 100

134 29.8 12.8 38.4

91 24.3 12.3 36.8



#90

Hexachloroethane

Concen: 1.678 ug/l

RT: 13.901 min Scan# 1998

Delta R.T. 0.012 min

Lab File: VY020502.D

Acq: 03 Dec 2024 16:16

Tgt Ion:117 Resp: 2338

Ion Ratio Lower Upper

117 100

201 0.0 37.1 111.3#

