

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
 Data File : VY020661.D
 Acq On : 19 Dec 2024 17:33
 Operator : SY/MD
 Sample : VIBLK
 Misc : 4.18g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 20 00:58:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 18 05:27:13 2024
 Response via : Initial Calibration

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

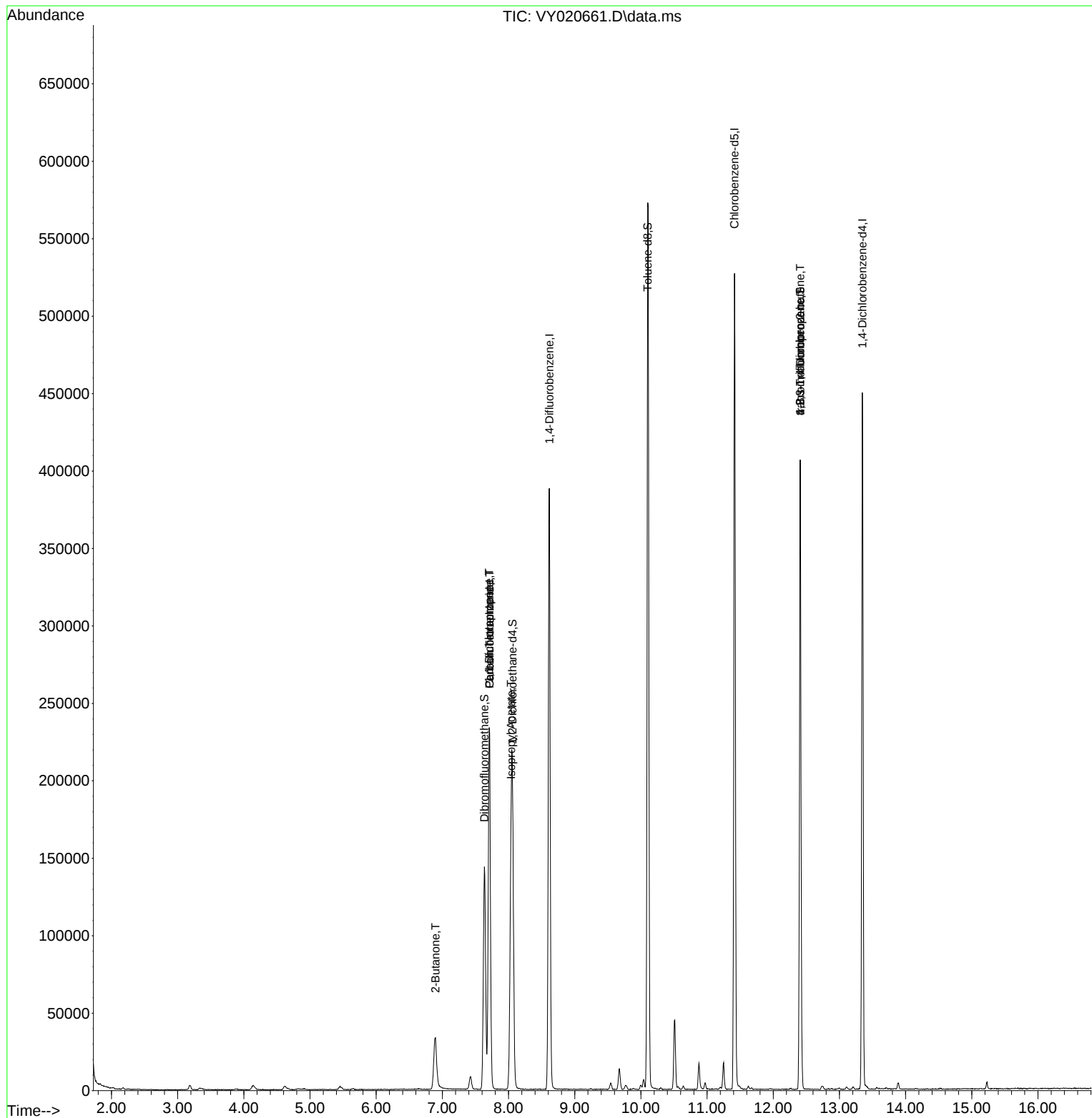
Internal Standards						
1) Pentafluorobenzene	7.713	168	177964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	322282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	272710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	108310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	101728	52.193	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.380%
35) Dibromofluoromethane	7.634	113	102125	44.962	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.920%
50) Toluene-d8	10.103	98	385127	48.443	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.880%
62) 4-Bromofluorobenzene	12.408	95	116648	37.509	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	75.020%
Target Compounds						
11) Tert butyl alcohol	4.818	59	514	Below Cal	#	75
16) Acetone	3.879	43	880	Below Cal		100
25) 2-Butanone	6.896	43	2037	2.812	ug/l #	78
30) Chloroform	7.421	83	8459	Below Cal		83
36) 1,1-Dichloropropene	7.707	75	14111	3.407	ug/l #	52
38) Carbon Tetrachloride	7.713	117	18837	4.111	ug/l #	14
43) Isopropyl Acetate	8.036	43	3814	1.034	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	63242	56.209	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	63242	117.984	ug/l #	12

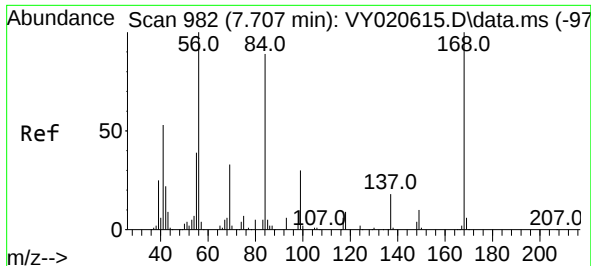
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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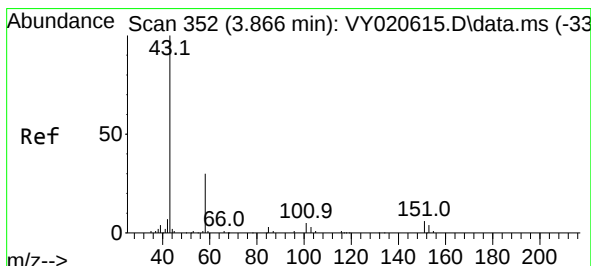
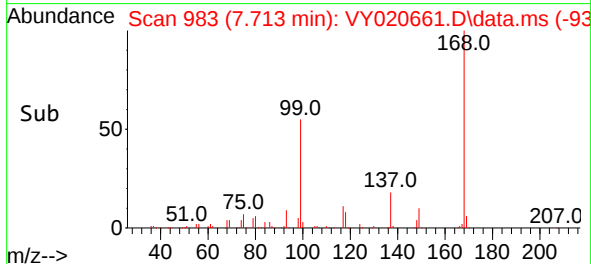
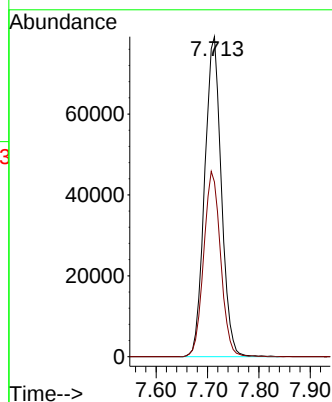
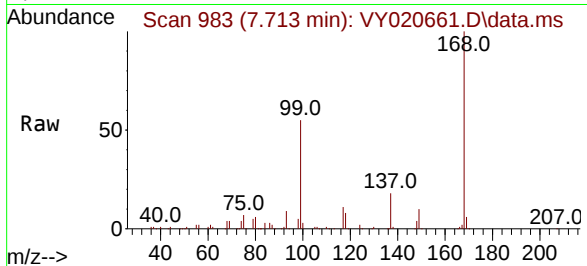




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020661.D
Acq: 19 Dec 2024 17:33

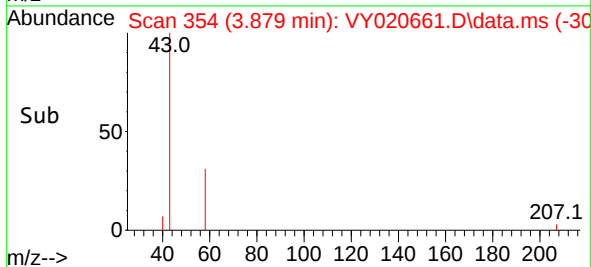
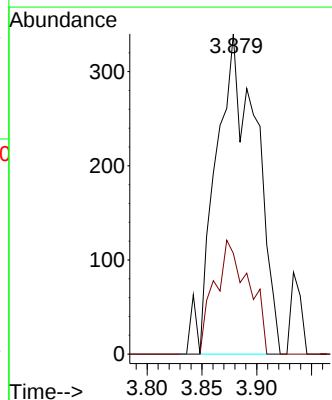
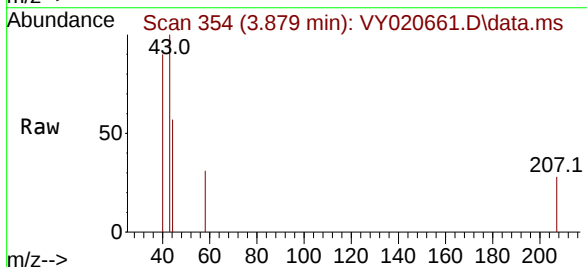
Instrument :
MSVOA_Y
ClientSampleId :

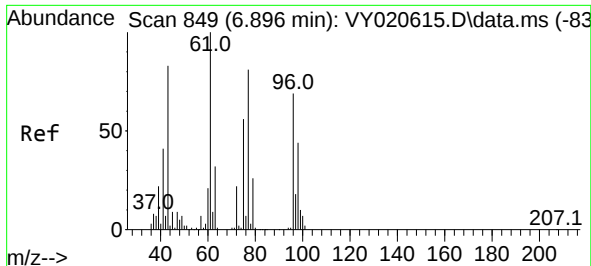
Tgt Ion:168 Resp: 177964
Ion Ratio Lower Upper
168 100
99 54.6 47.0 70.6



#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 354
Delta R.T. 0.013 min
Lab File: VY020661.D
Acq: 19 Dec 2024 17:33

Tgt Ion: 43 Resp: 880
Ion Ratio Lower Upper
43 100
58 31.5 25.0 37.6





#25

2-Butanone

Concen: 2.812 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY020661.D

Acq: 19 Dec 2024 17:33

Instrument :

MSVOA_Y

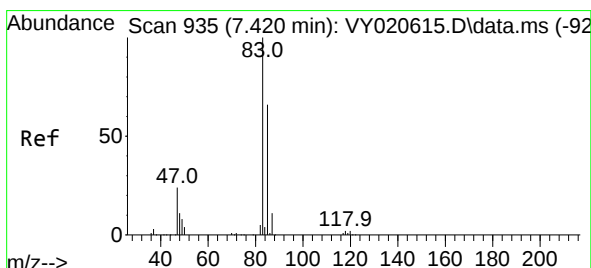
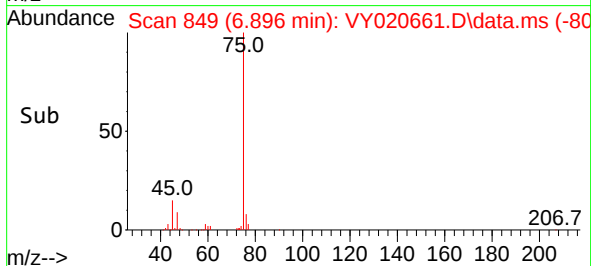
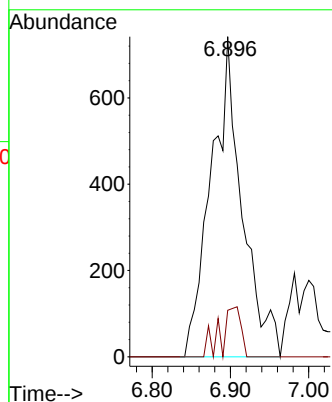
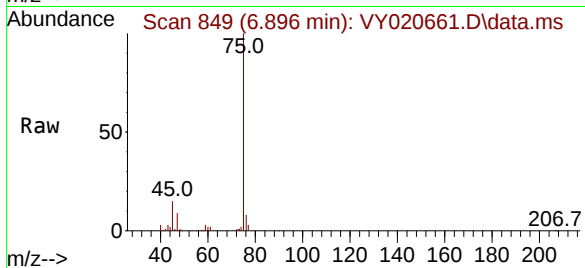
ClientSampleId :

Tgt Ion: 43 Resp: 2037

Ion Ratio Lower Upper

43 100

72 14.6 20.6 31.0#



#30

Chloroform

Concen: Below Cal

RT: 7.421 min Scan# 935

Delta R.T. 0.001 min

Lab File: VY020661.D

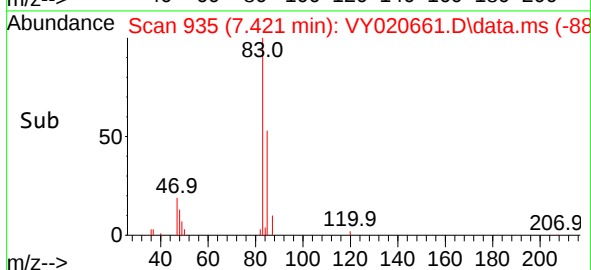
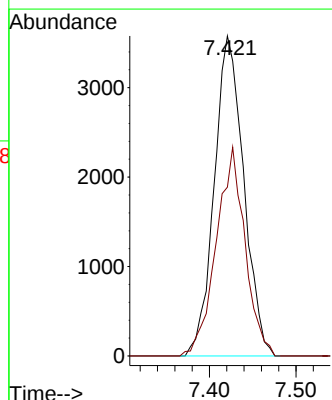
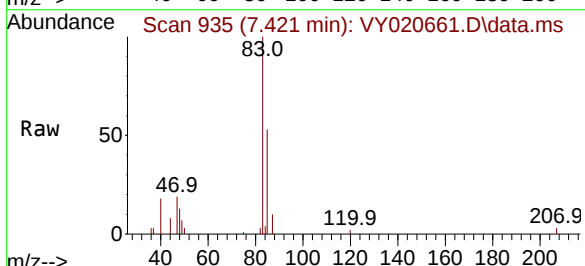
Acq: 19 Dec 2024 17:33

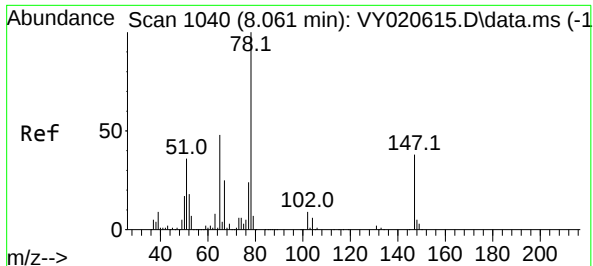
Tgt Ion: 83 Resp: 8459

Ion Ratio Lower Upper

83 100

85 52.7 52.7 79.1





#33

1,2-Dichloroethane-d4

Concen: 52.193 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY020661.D

Acq: 19 Dec 2024 17:33

Instrument :

MSVOA_Y

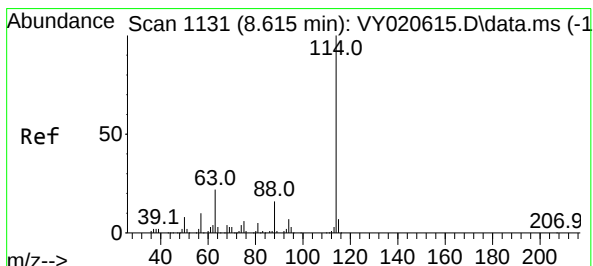
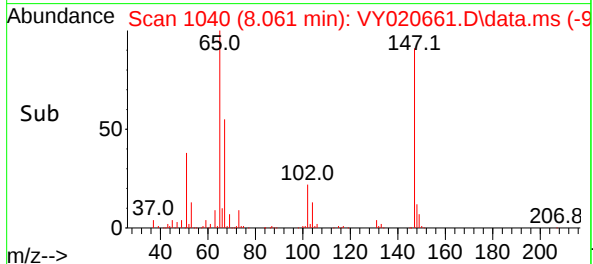
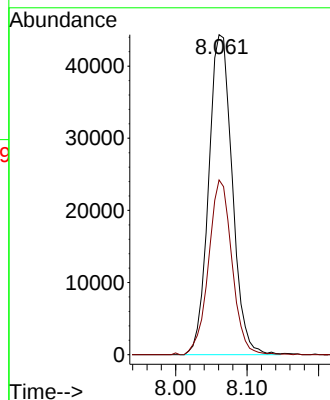
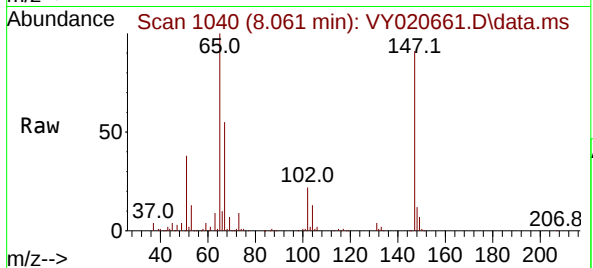
ClientSampleId :

Tgt Ion: 65 Resp: 101728

Ion Ratio Lower Upper

65 100

67 54.1 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY020661.D

Acq: 19 Dec 2024 17:33

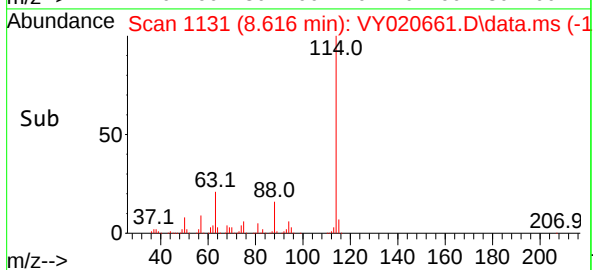
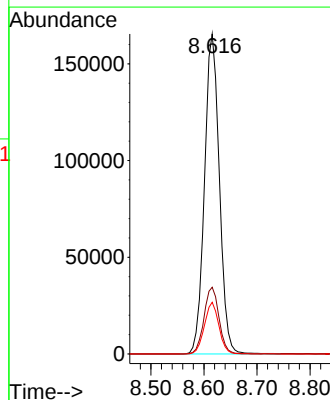
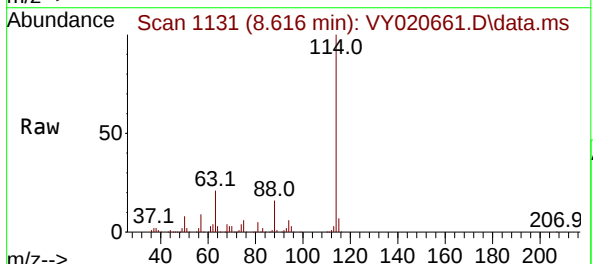
Tgt Ion: 114 Resp: 322282

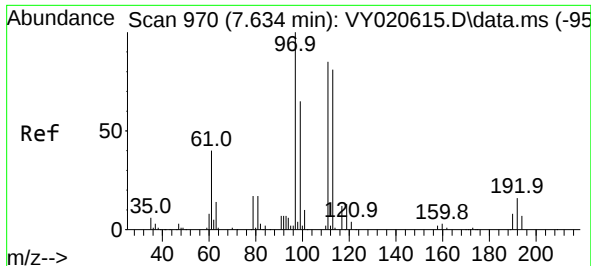
Ion Ratio Lower Upper

114 100

63 20.8 0.0 44.0

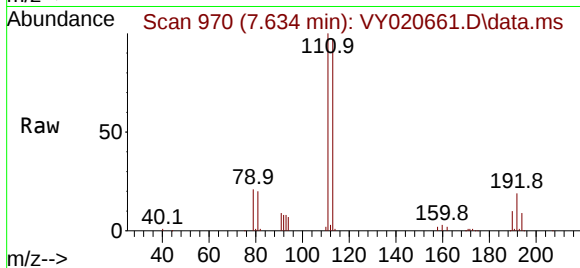
88 16.2 0.0 32.8



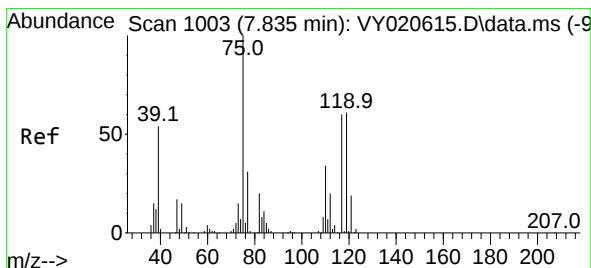
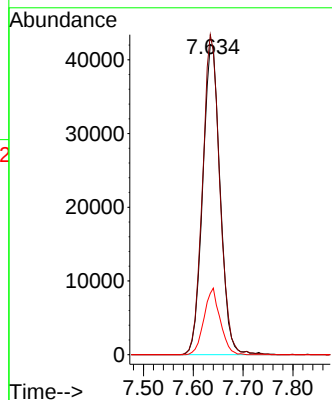
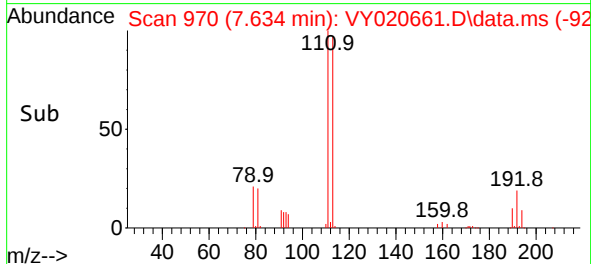


#35
Dibromofluoromethane
Concen: 44.962 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020661.D
Acq: 19 Dec 2024 17:33

Instrument :
MSVOA_Y
ClientSampleId :

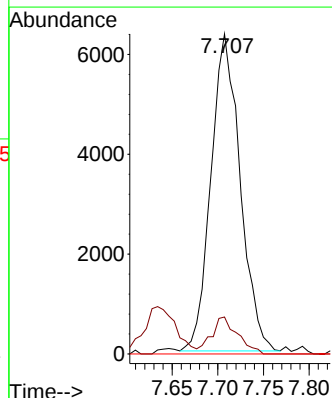
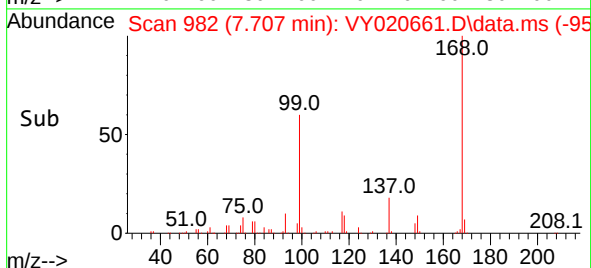
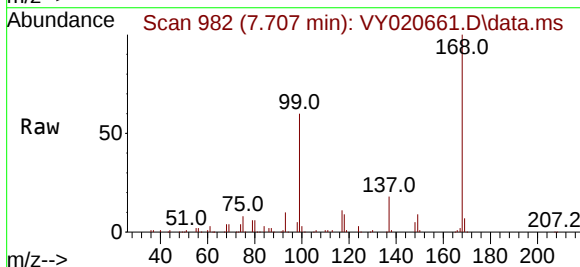


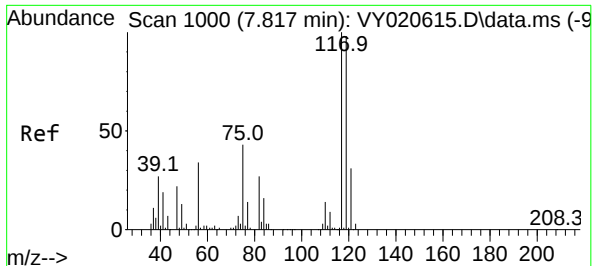
Tgt Ion:113 Resp: 102125
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 19.9 15.7 23.5



#36
1,1-Dichloropropene
Concen: 3.407 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY020661.D
Acq: 19 Dec 2024 17:33

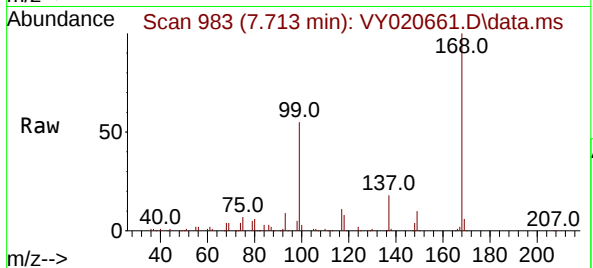
Tgt Ion: 75 Resp: 14111
Ion Ratio Lower Upper
75 100
110 10.4 16.8 50.4#
77 0.0 25.0 37.6#



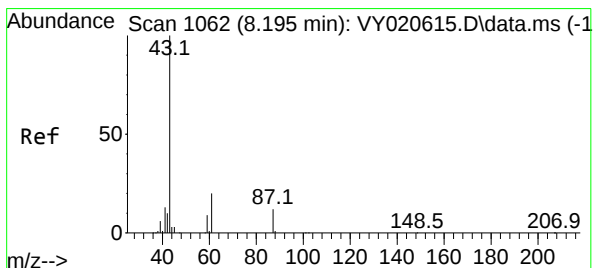
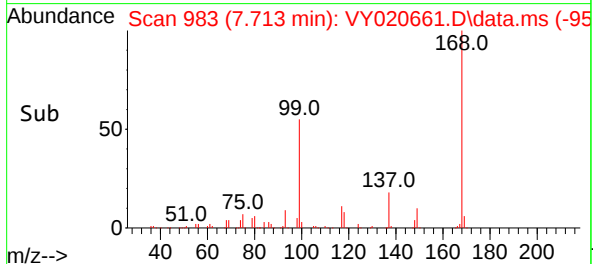
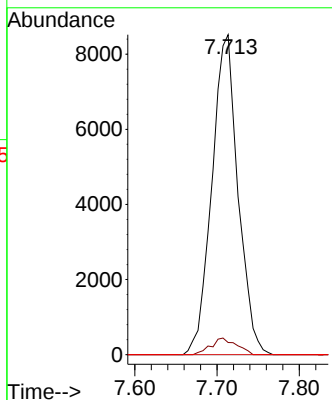


#38
Carbon Tetrachloride
Concen: 4.111 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY020661.D
Acq: 19 Dec 2024 17:33

Instrument :
MSVOA_Y
ClientSampleId :

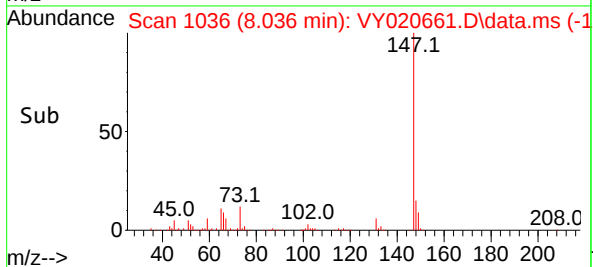
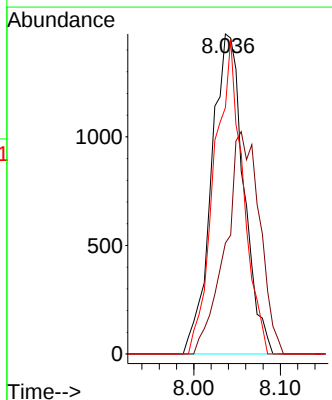
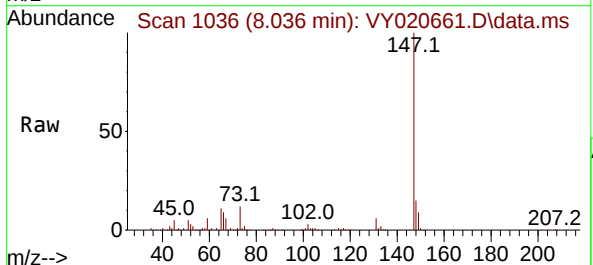


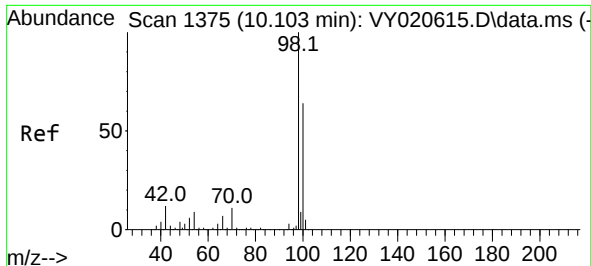
Tgt Ion:117 Resp: 18837
Ion Ratio Lower Upper
117 100
119 3.8 78.3 117.5#
121 0.0 25.1 37.7#



#43
Isopropyl Acetate
Concen: 1.034 ug/l
RT: 8.036 min Scan# 1036
Delta R.T. -0.158 min
Lab File: VY020661.D
Acq: 19 Dec 2024 17:33

Tgt Ion: 43 Resp: 3814
Ion Ratio Lower Upper
43 100
61 73.7 23.8 35.6#
87 87.2 10.2 15.4#

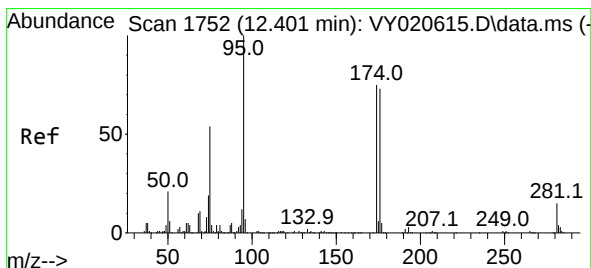
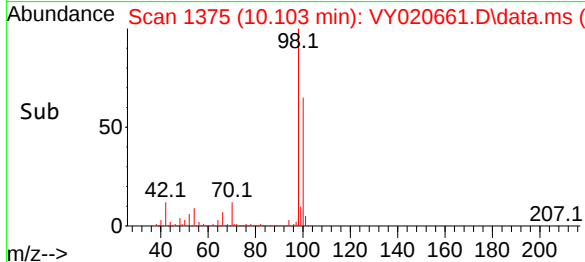
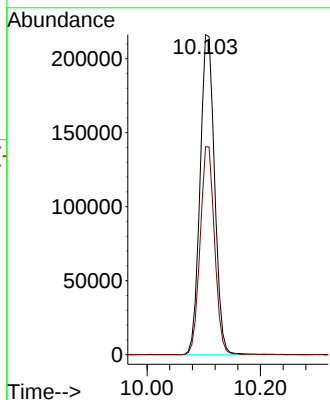
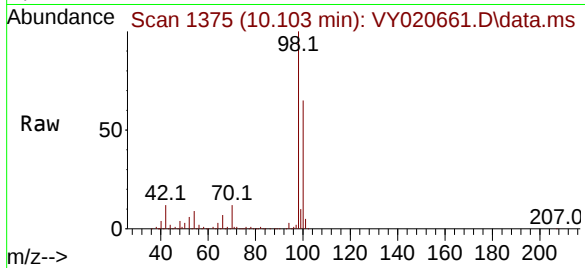




#50
Toluene-d8
Concen: 48.443 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020661.D
Acq: 19 Dec 2024 17:33

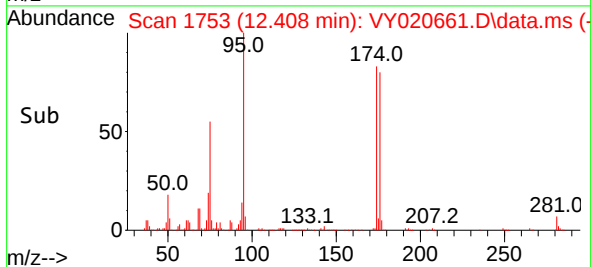
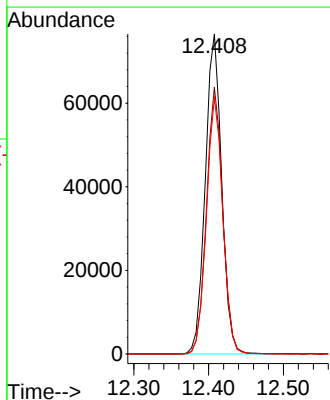
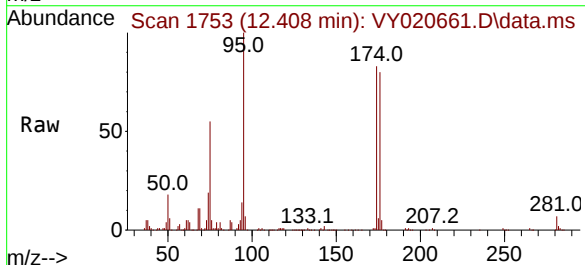
Instrument :
MSVOA_Y
ClientSampleId :

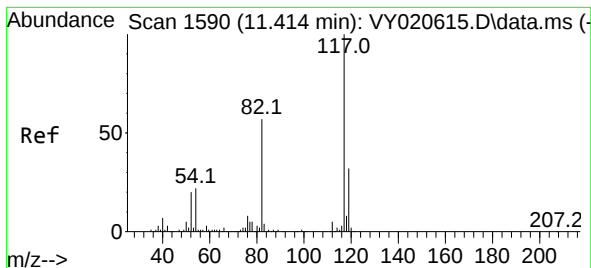
Tgt Ion: 98 Resp: 385127
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 37.509 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020661.D
Acq: 19 Dec 2024 17:33

Tgt Ion: 95 Resp: 116648
Ion Ratio Lower Upper
95 100
174 82.9 0.0 161.8
176 79.9 0.0 156.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

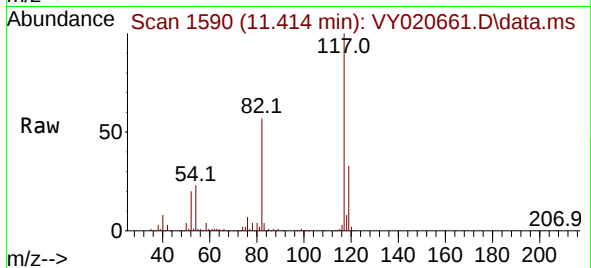
Lab File: VY020661.D

Acq: 19 Dec 2024 17:33

Instrument :

MSVOA_Y

ClientSampleId :



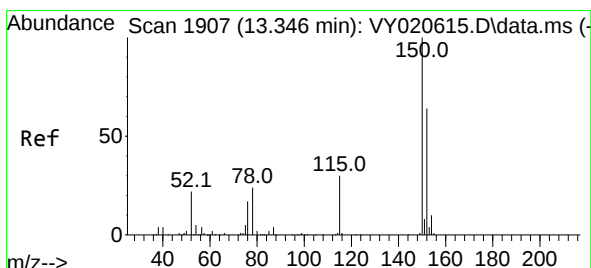
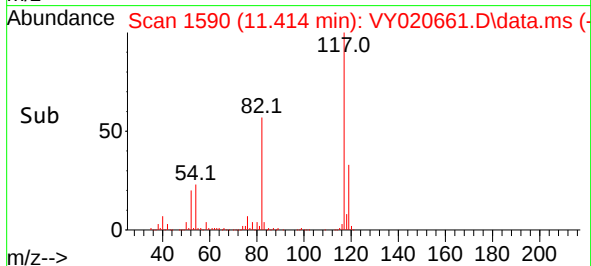
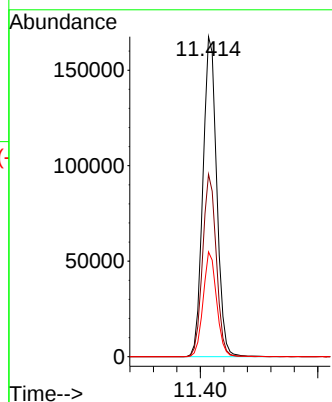
Tgt Ion:117 Resp: 272710

Ion Ratio Lower Upper

117 100

82 57.0 45.8 68.6

119 32.7 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020661.D

Acq: 19 Dec 2024 17:33

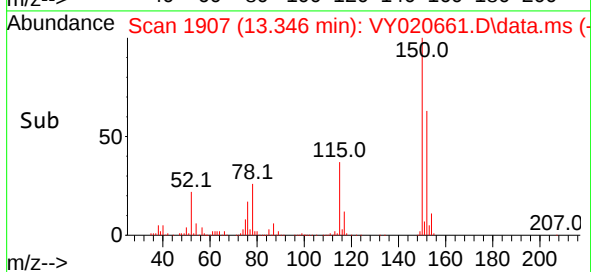
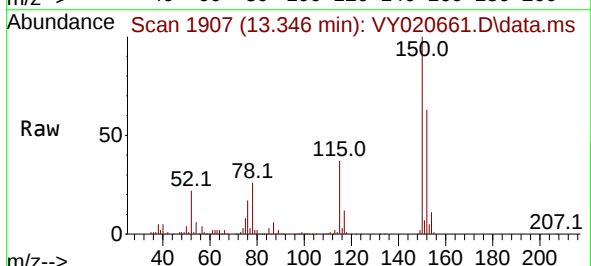
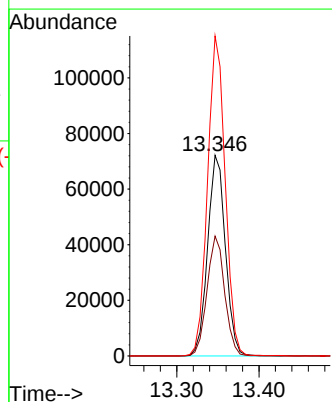
Tgt Ion:152 Resp: 108310

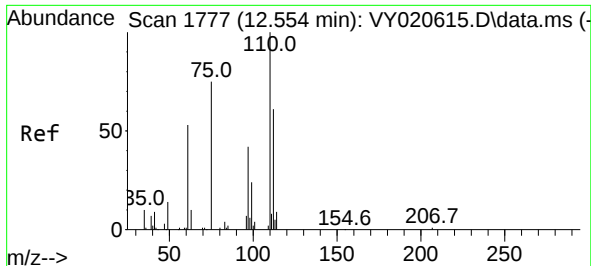
Ion Ratio Lower Upper

152 100

115 59.3 30.2 90.6

150 157.9 0.0 355.4

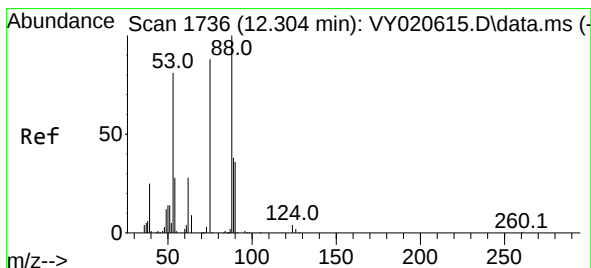
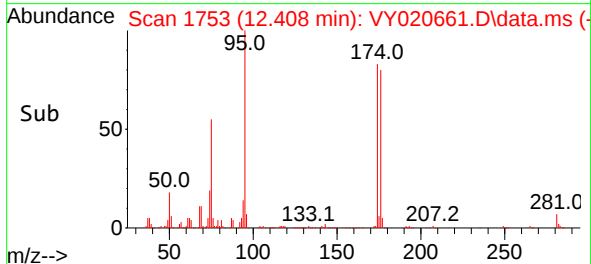
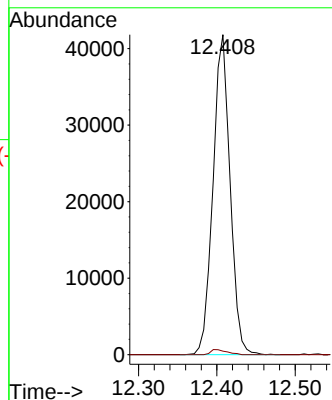
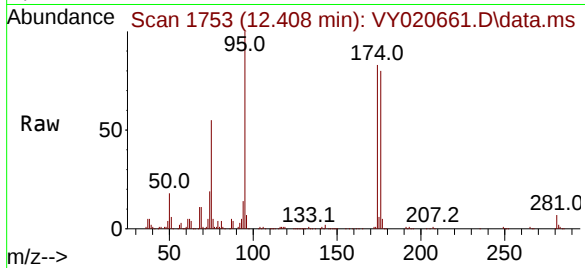




#76
1,2,3-Trichloropropane
Concen: 56.209 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY020661.D
Acq: 19 Dec 2024 17:33

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 63242
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.984 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY020661.D
Acq: 19 Dec 2024 17:33

Tgt Ion: 75 Resp: 63242
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 37.0 55.4#

