

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
 Data File : VY020680.D
 Acq On : 20 Dec 2024 18:49
 Operator : SY/MD
 Sample : P5306-07
 Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 20 22:03:50 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)

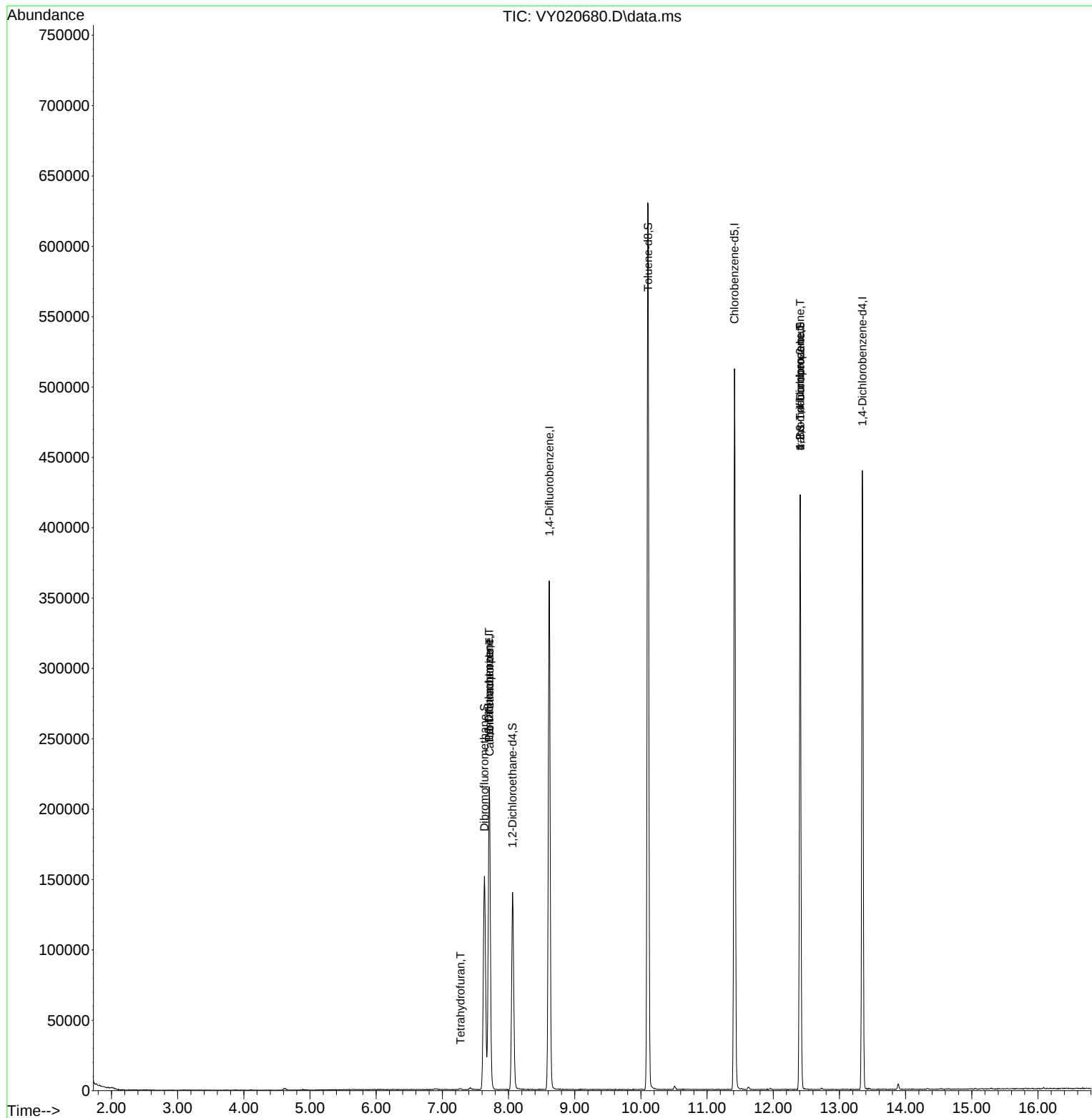
Internal Standards						
1) Pentafluorobenzene	7.707	168	164343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	302908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	266394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	108630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	110799	61.558	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.120%	
35) Dibromofluoromethane	7.634	113	108043	50.610	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.220%	
50) Toluene-d8	10.109	98	415742	55.639	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.280%	
62) 4-Bromofluorobenzene	12.408	95	129420	44.278	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 88.560%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	62	Below Cal	#	75
16) Acetone	3.879	43	463	Below Cal	#	43
29) Tetrahydrofuran	7.274	42	476	1.127	ug/l #	85
30) Chloroform	7.409	83	1026	Below Cal		84
36) 1,1-Dichloropropene	7.707	75	12671	3.255	ug/l #	51
38) Carbon Tetrachloride	7.713	117	17222	3.999	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	68992	61.138	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	68992	128.332	ug/l #	12

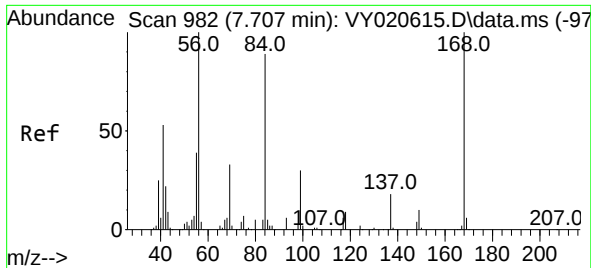
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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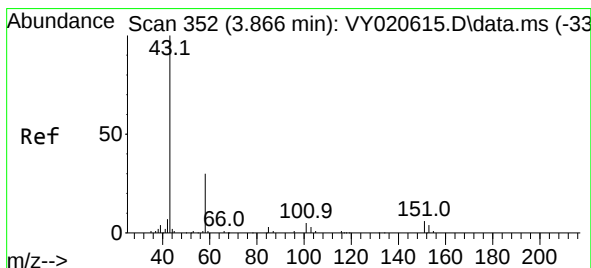
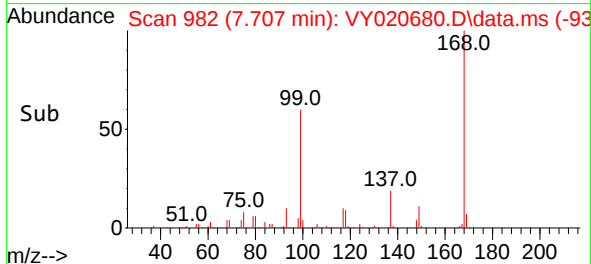
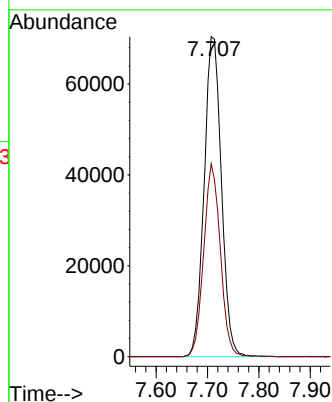
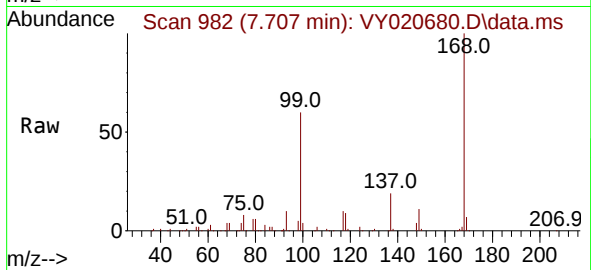




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020680.D
Acq: 20 Dec 2024 18:49

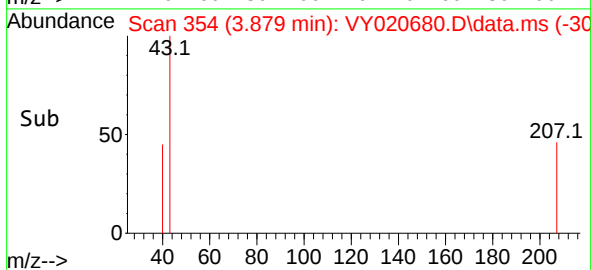
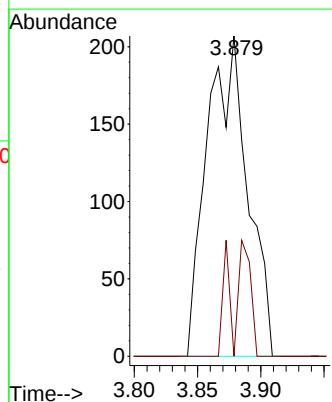
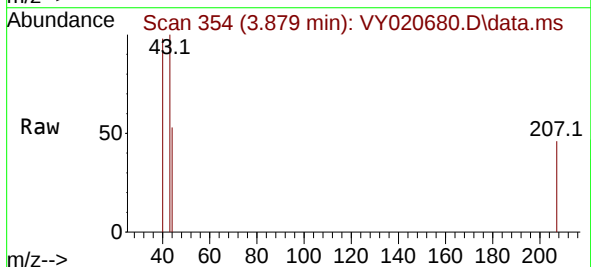
Instrument :
MSVOA_Y
ClientSampleId :

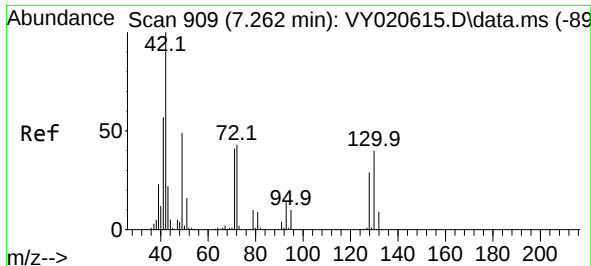
Tgt Ion:168 Resp: 164343
Ion Ratio Lower Upper
168 100
99 60.3 47.0 70.6



#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 354
Delta R.T. 0.013 min
Lab File: VY020680.D
Acq: 20 Dec 2024 18:49

Tgt Ion: 43 Resp: 463
Ion Ratio Lower Upper
43 100
58 0.0 25.0 37.6#





#29

Tetrahydrofuran

Concen: 1.127 ug/l

RT: 7.274 min Scan# 911

Delta R.T. 0.012 min

Lab File: VY020680.D

Acq: 20 Dec 2024 18:49

Instrument :

MSVOA_Y

ClientSampleId :

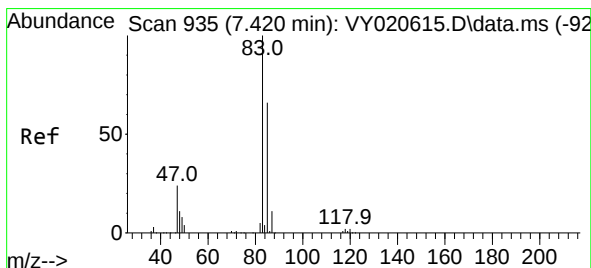
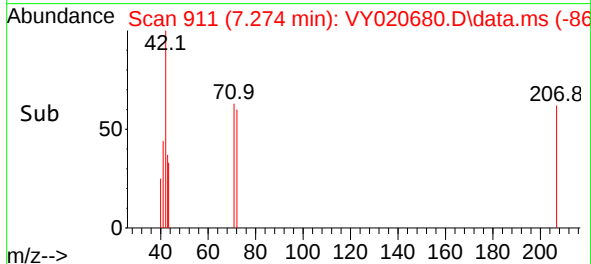
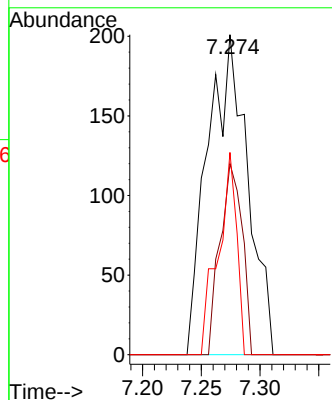
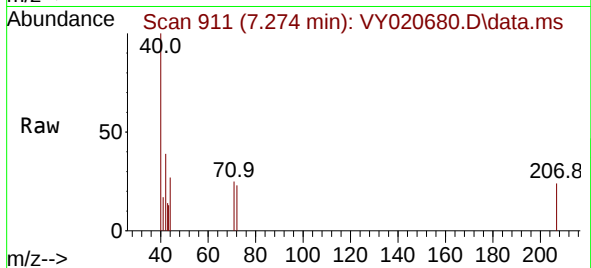
Tgt Ion: 42 Resp: 476

Ion Ratio Lower Upper

42 100

72 33.2 34.0 51.0#

71 29.4 31.6 47.4#



#30

Chloroform

Concen: Below Cal

RT: 7.409 min Scan# 933

Delta R.T. -0.011 min

Lab File: VY020680.D

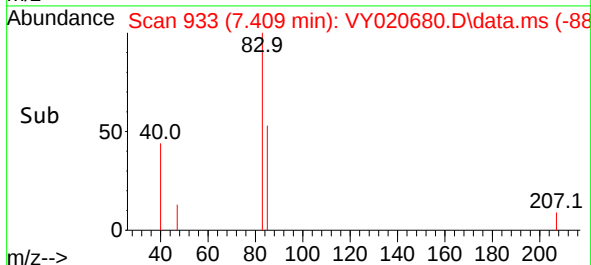
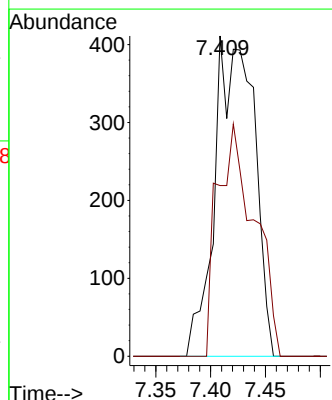
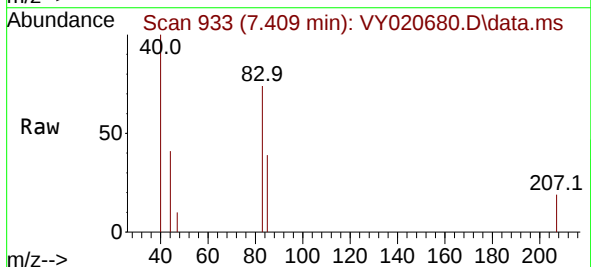
Acq: 20 Dec 2024 18:49

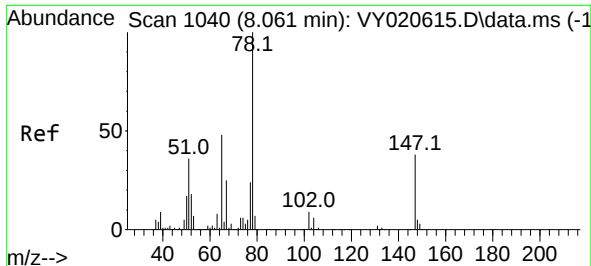
Tgt Ion: 83 Resp: 1026

Ion Ratio Lower Upper

83 100

85 53.3 52.7 79.1





#33

1,2-Dichloroethane-d4

Concen: 61.558 ug/l

RT: 8.061 min Scan# 110799

Delta R.T. 0.000 min

Lab File: VY020680.D

Acq: 20 Dec 2024 18:49

Instrument :

MSVOA_Y

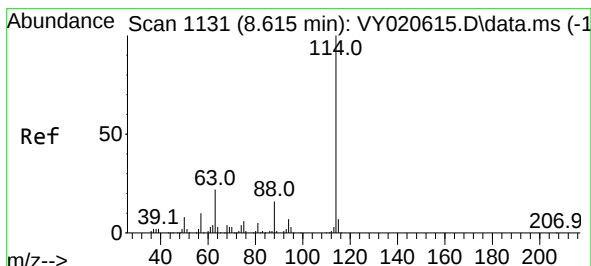
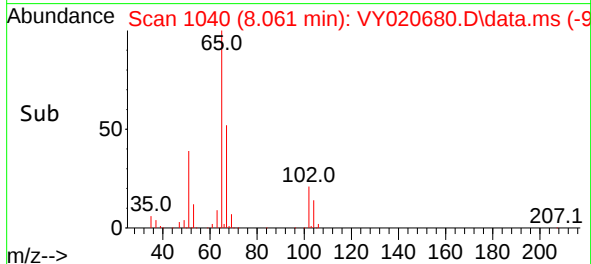
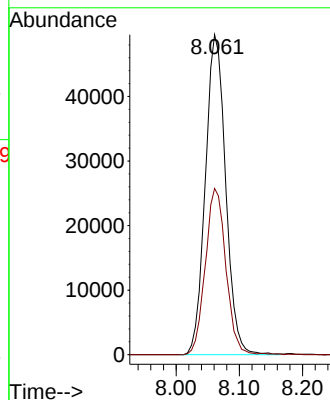
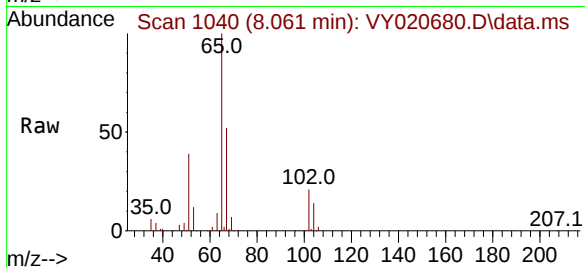
ClientSampleId :

Tgt Ion: 65 Resp: 110799

Ion Ratio Lower Upper

65 100

67 52.5 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: VY020680.D

Acq: 20 Dec 2024 18:49

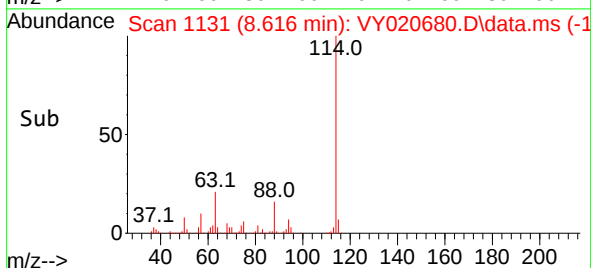
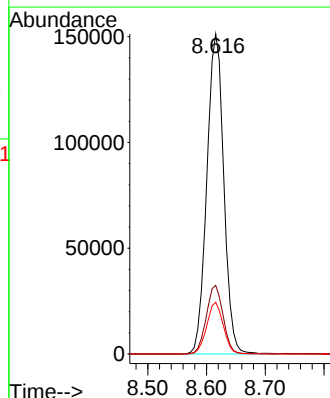
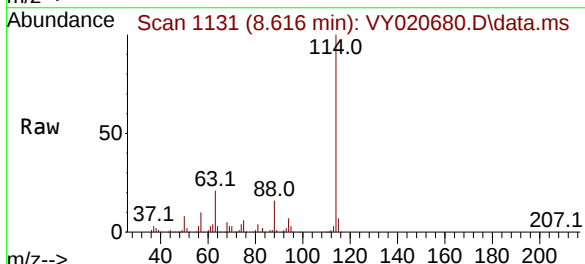
Tgt Ion: 114 Resp: 302908

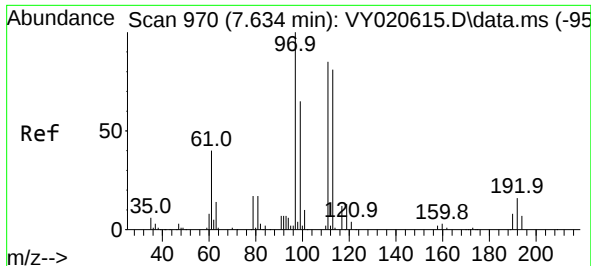
Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.0

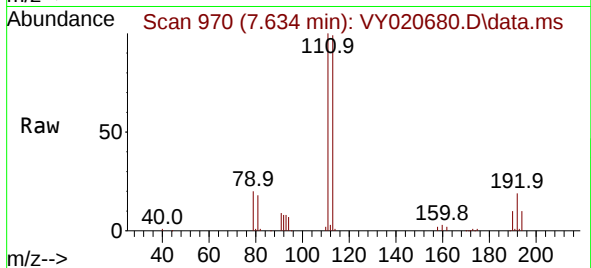
88 16.1 0.0 32.8



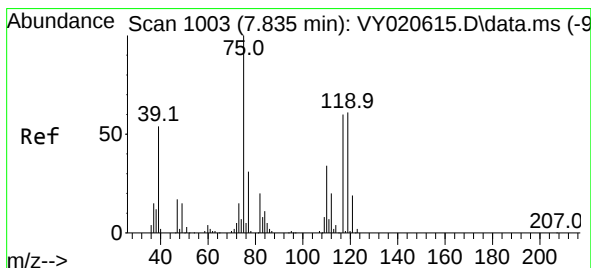
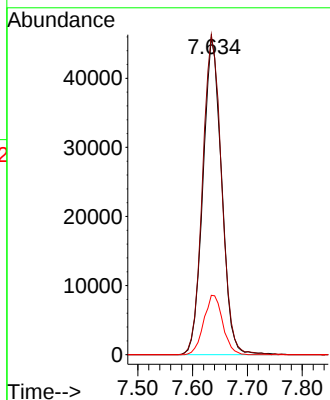
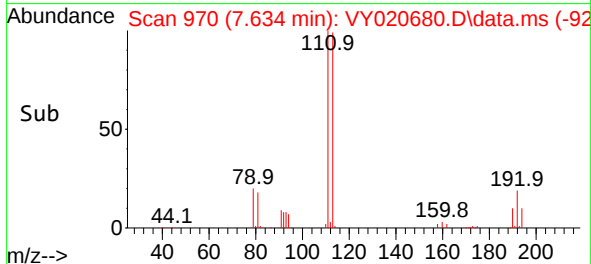


#35
Dibromofluoromethane
Concen: 50.610 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020680.D
Acq: 20 Dec 2024 18:49

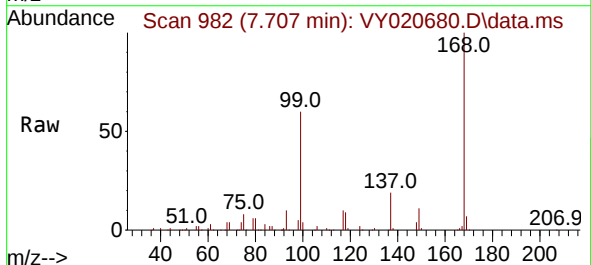
Instrument :
MSVOA_Y
ClientSampleId :



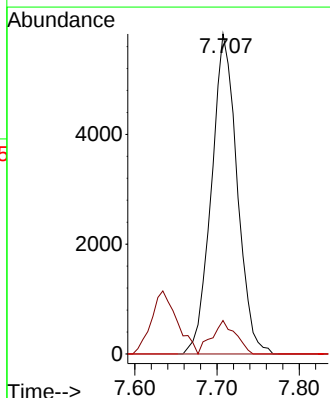
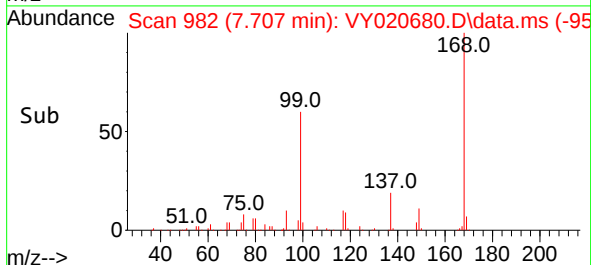
Tgt Ion:113 Resp: 108043
Ion Ratio Lower Upper
113 100
111 102.9 82.9 124.3
192 19.1 15.7 23.5

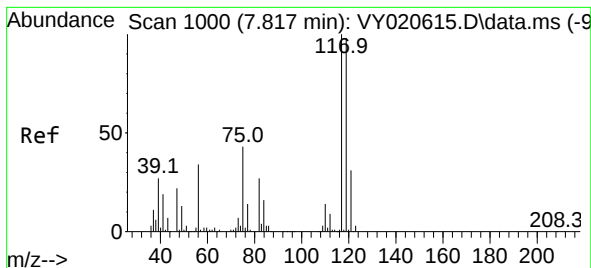


#36
1,1-Dichloropropene
Concen: 3.255 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY020680.D
Acq: 20 Dec 2024 18:49



Tgt Ion: 75 Resp: 12671
Ion Ratio Lower Upper
75 100
110 9.6 16.8 50.4#
77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 3.999 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.103 min

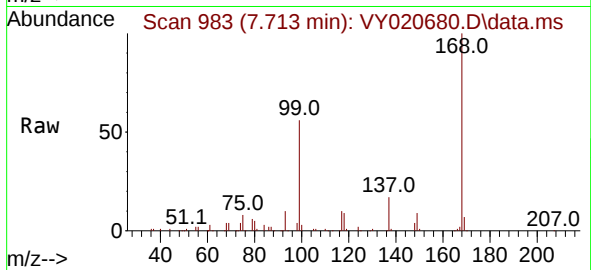
Lab File: VY020680.D

Acq: 20 Dec 2024 18:49

Instrument :

MSVOA_Y

ClientSampleId :



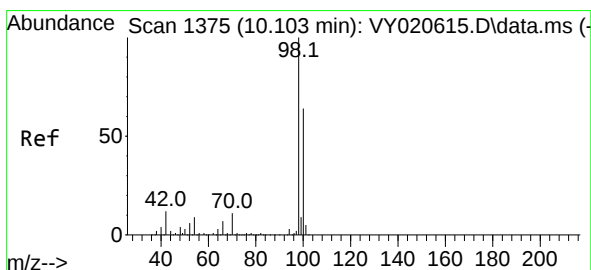
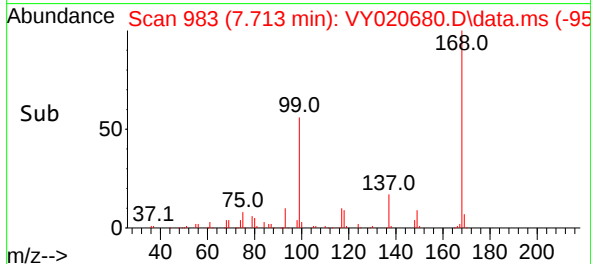
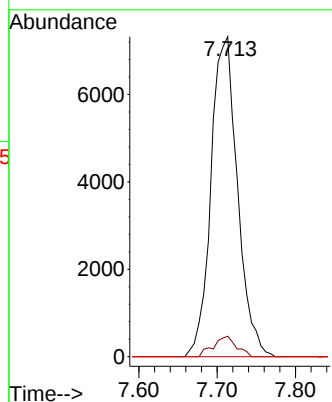
Tgt Ion:117 Resp: 17222

Ion Ratio Lower Upper

117 100

119 6.4 78.3 117.5#

121 0.0 25.1 37.7#



#50

Toluene-d8

Concen: 55.639 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY020680.D

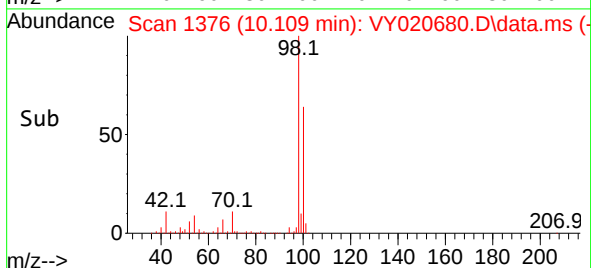
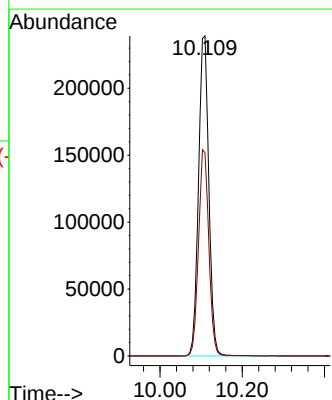
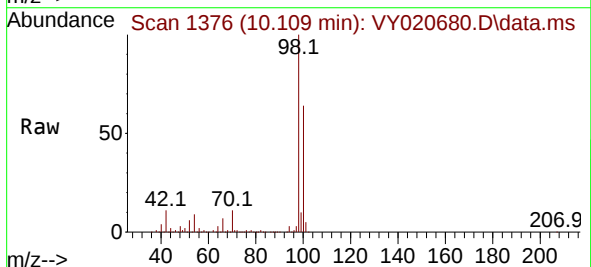
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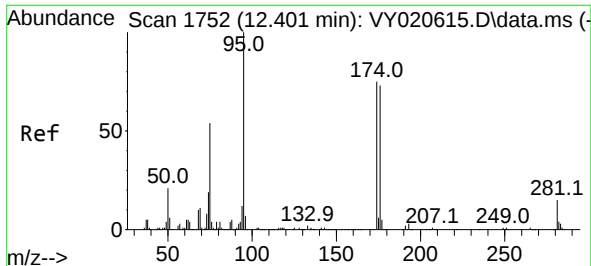
Tgt Ion: 98 Resp: 415742

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1

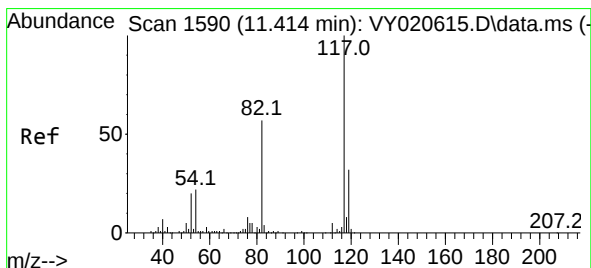
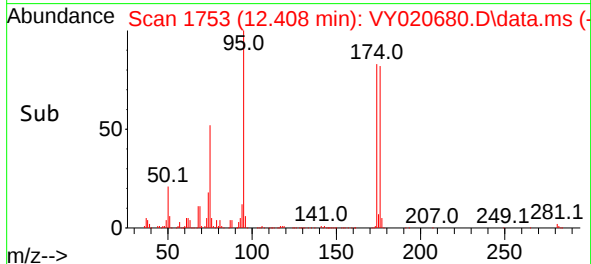
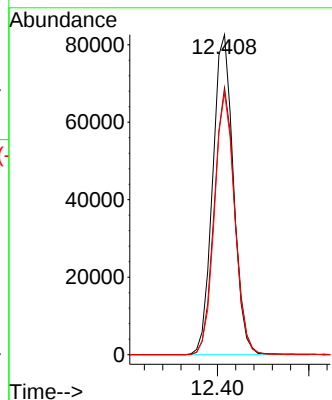
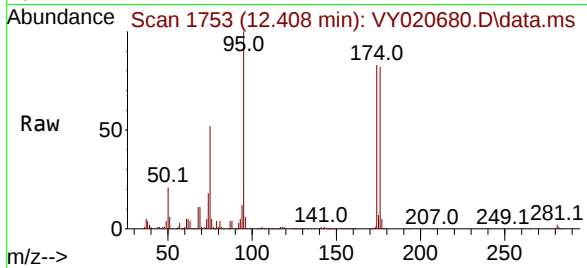




#62
4-Bromofluorobenzene
Concen: 44.278 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020680.D
Acq: 20 Dec 2024 18:49

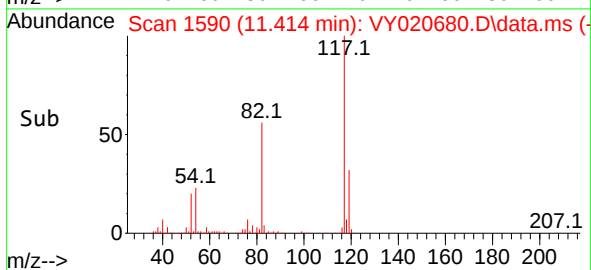
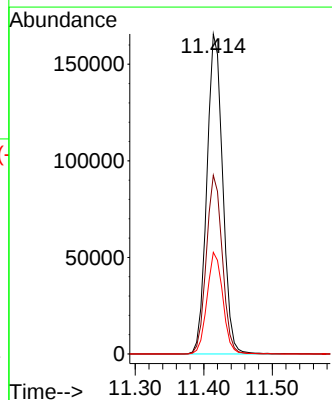
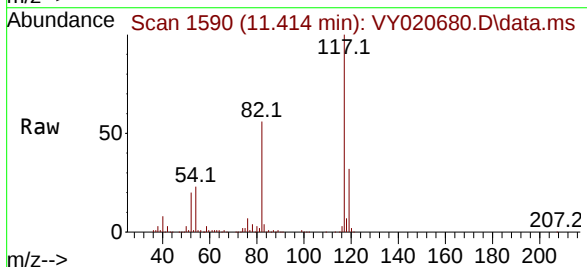
Instrument :
MSVOA_Y
ClientSampleId :

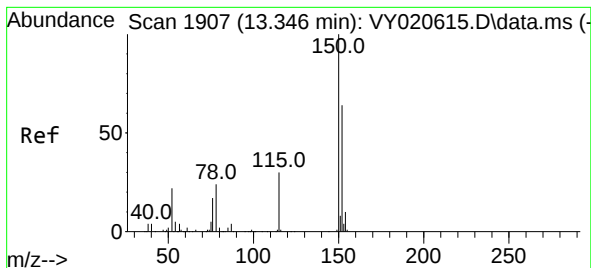
Tgt Ion: 95 Resp: 129420
Ion Ratio Lower Upper
95 100
174 83.0 0.0 161.8
176 80.2 0.0 156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY020680.D
Acq: 20 Dec 2024 18:49

Tgt Ion: 117 Resp: 266394
Ion Ratio Lower Upper
117 100
82 55.8 45.8 68.6
119 31.7 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020680.D

Acq: 20 Dec 2024 18:49

Instrument :

MSVOA_Y

ClientSampleId :

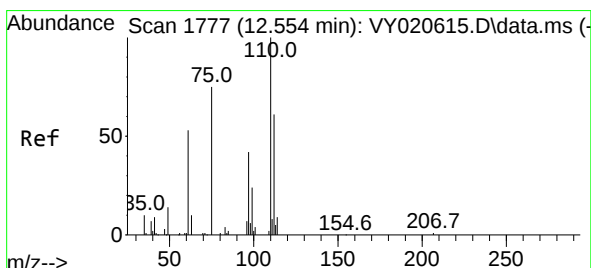
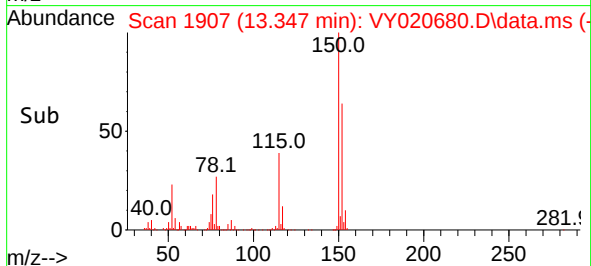
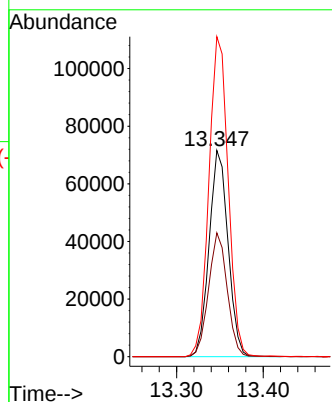
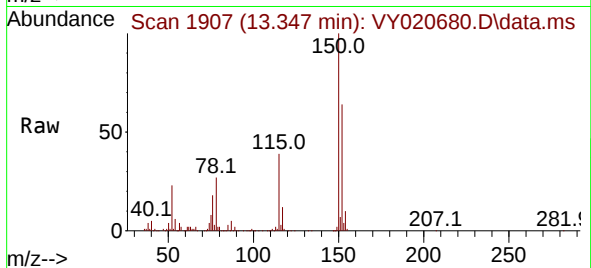
Tgt Ion:152 Resp: 108630

Ion Ratio Lower Upper

152 100

115 59.2 30.2 90.6

150 157.7 0.0 355.4



#76

1,2,3-Trichloropropane

Concen: 61.138 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY020680.D

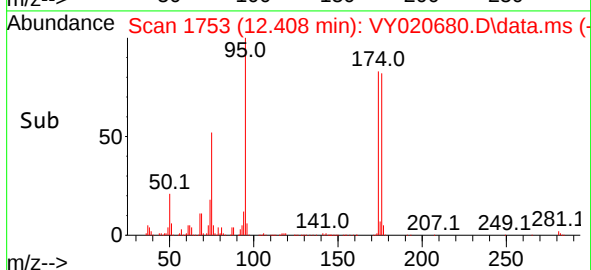
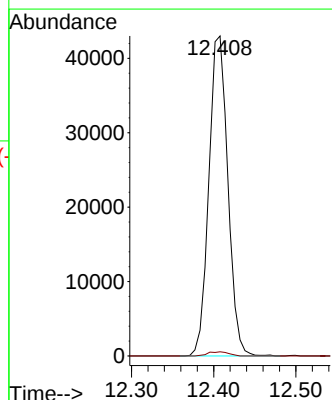
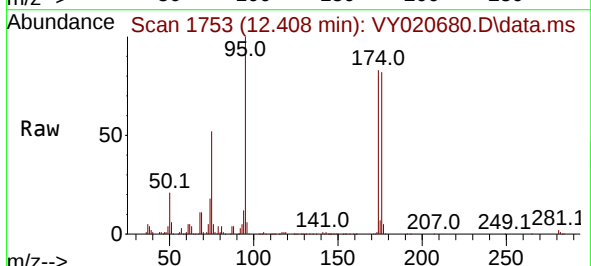
Acq: 20 Dec 2024 18:49

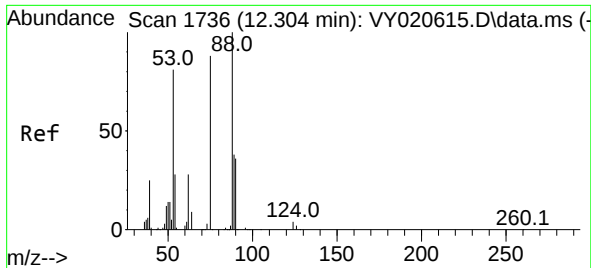
Tgt Ion: 75 Resp: 68992

Ion Ratio Lower Upper

75 100

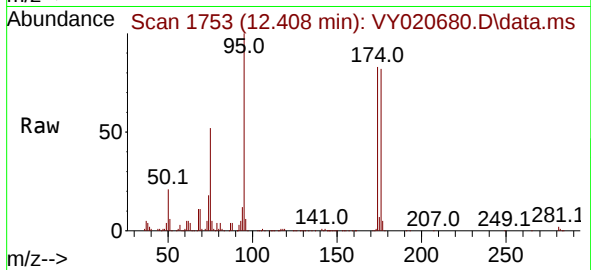
77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 128.332 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY020680.D
Acq: 20 Dec 2024 18:49

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	75.4	113.2#
89	0.0	37.0	55.4#

