

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
 Data File : VY020679.D
 Acq On : 20 Dec 2024 18:26
 Operator : SY/MD
 Sample : P5306-13
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 20 22:03:32 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)

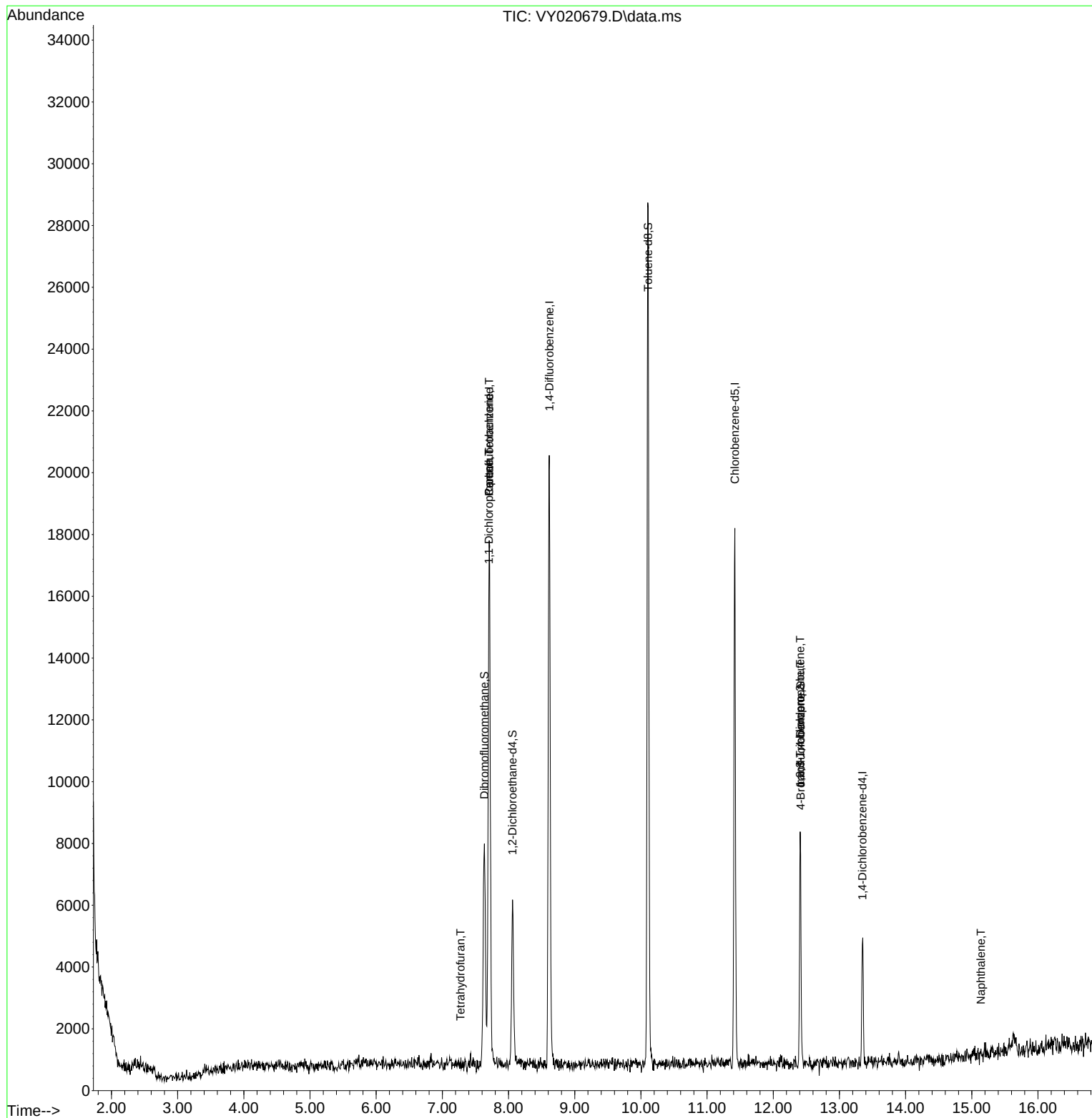
Internal Standards						
1) Pentafluorobenzene	7.707	168	13256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	17467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	9407	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	1297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	4081	28.110	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	56.220%
35) Dibromofluoromethane	7.634	113	5486	44.564	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.120%
50) Toluene-d8	10.109	98	19399	45.022	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.040%
62) 4-Bromofluorobenzene	12.414	95	2483	14.732	ug/l	0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	29.460%
Target Compounds						
					Qvalue	
16) Acetone	3.848	43	20	Below Cal	#	43
29) Tetrahydrofuran	7.274	42	62	1.820	ug/l #	34
30) Chloroform	7.427	83	24	Below Cal	#	17
36) 1,1-Dichloropropene	7.701	75	1033	4.602	ug/l #	42
38) Carbon Tetrachloride	7.707	117	1296	5.218	ug/l #	11
76) 1,2,3-Trichloropropane	12.407	75	1433	106.358	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	1433	223.251	ug/l #	12
95) Naphthalene	15.139	128	60	1.372	ug/l #	69

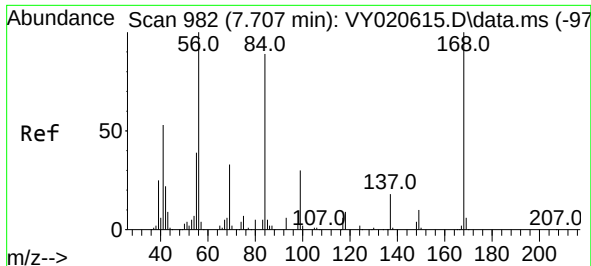
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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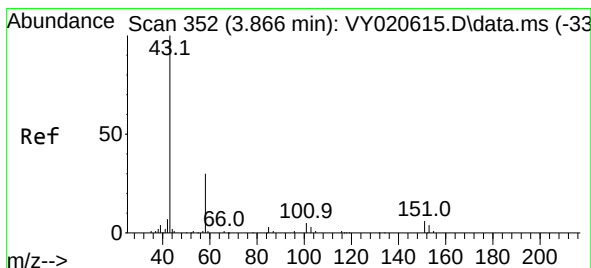
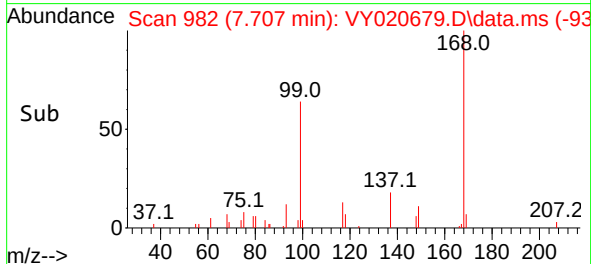
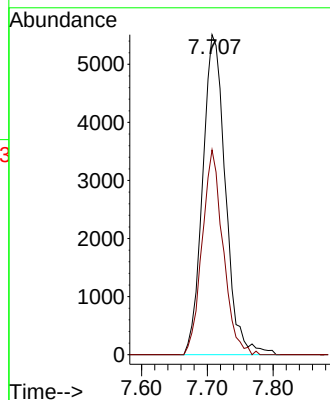
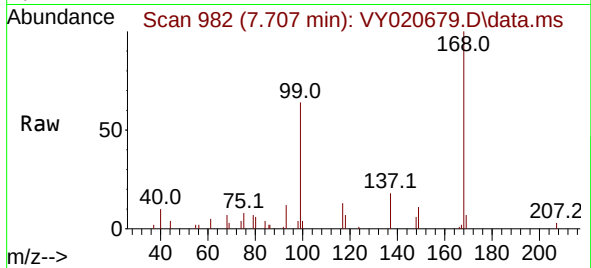




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020679.D
Acq: 20 Dec 2024 18:26

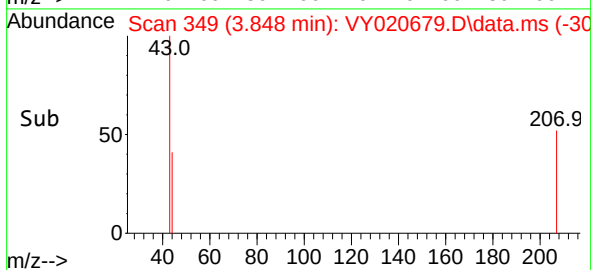
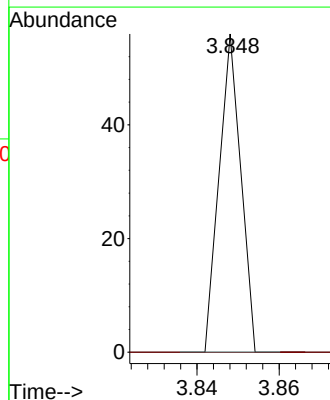
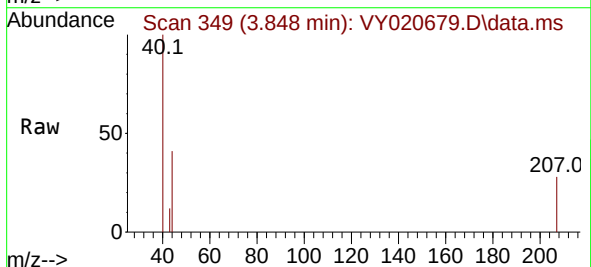
Instrument :
MSVOA_Y
ClientSampleId :

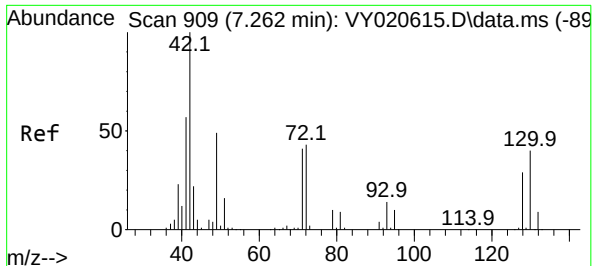
Tgt Ion:168 Resp: 13256
Ion Ratio Lower Upper
168 100
99 64.0 47.0 70.6



#16
Acetone
Concen: Below Cal
RT: 3.848 min Scan# 349
Delta R.T. -0.018 min
Lab File: VY020679.D
Acq: 20 Dec 2024 18:26

Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
58 0.0 25.0 37.6#





#29

Tetrahydrofuran

Concen: 1.820 ug/l

RT: 7.274 min Scan# 911

Delta R.T. 0.012 min

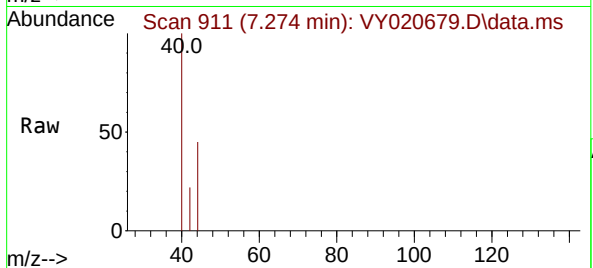
Lab File: VY020679.D

Acq: 20 Dec 2024 18:26

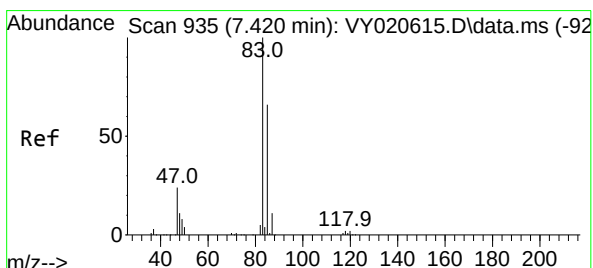
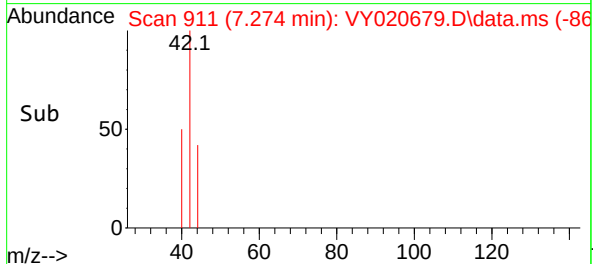
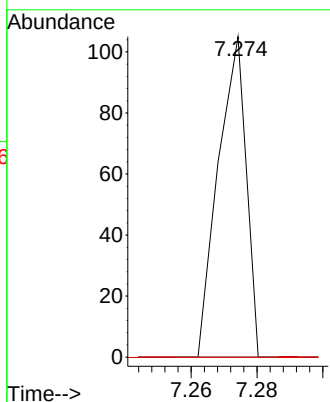
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	62
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.0	51.0#
71	0.0	31.6	47.4#



#30

Chloroform

Concen: Below Cal

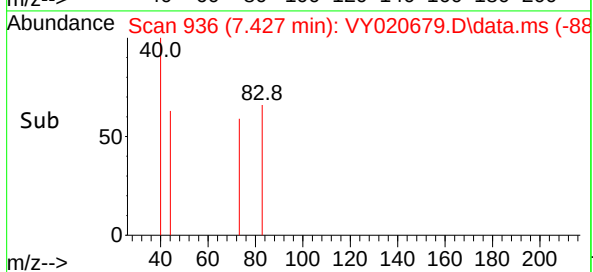
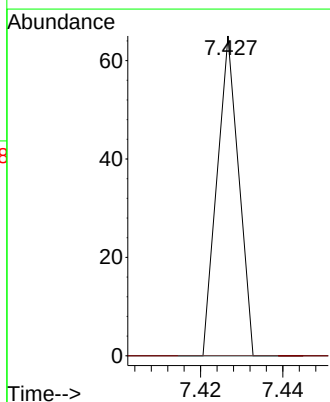
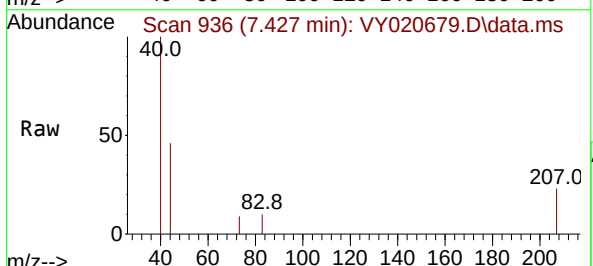
RT: 7.427 min Scan# 936

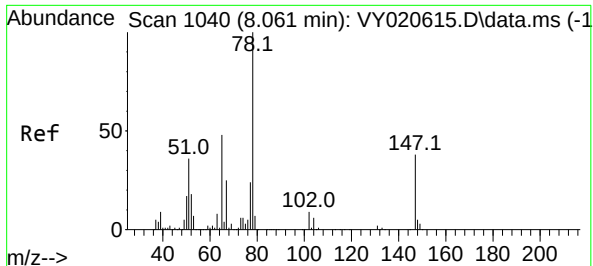
Delta R.T. 0.007 min

Lab File: VY020679.D

Acq: 20 Dec 2024 18:26

Tgt Ion:	83	Resp:	24
Ion	Ratio	Lower	Upper
83	100		
85	0.0	52.7	79.1#





#33

1,2-Dichloroethane-d4

Concen: 28.110 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VY020679.D

Acq: 20 Dec 2024 18:26

Instrument :

MSVOA_Y

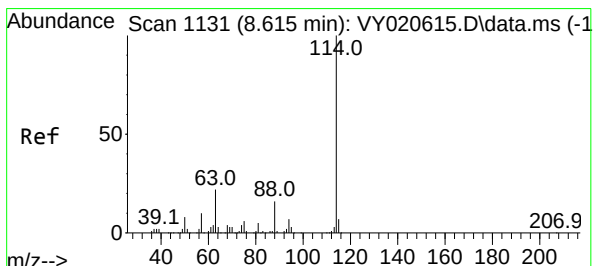
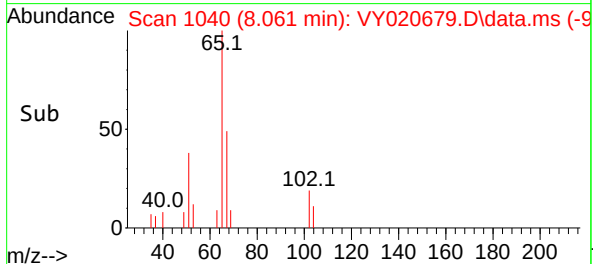
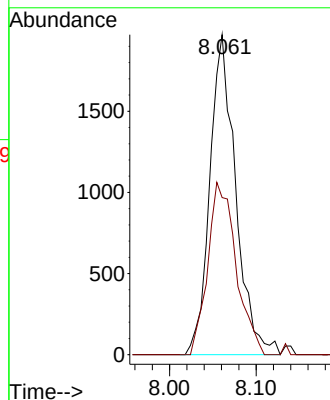
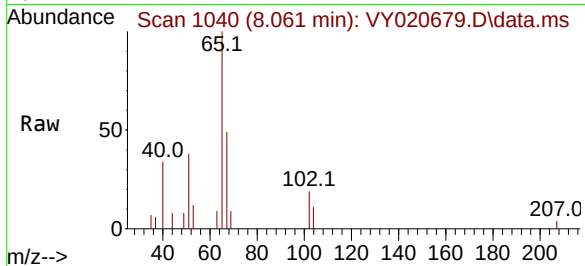
ClientSampleId :

Tgt Ion: 65 Resp: 4081

Ion Ratio Lower Upper

65 100

67 59.0 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY020679.D

Acq: 20 Dec 2024 18:26

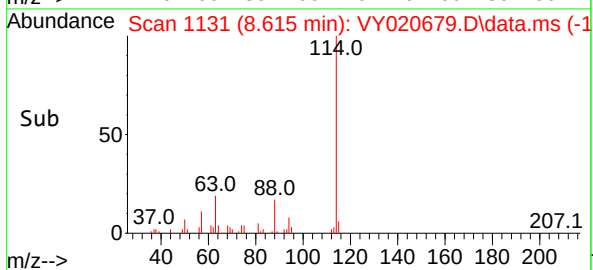
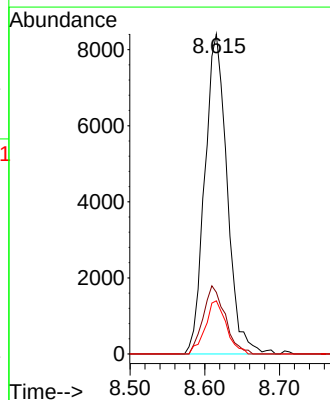
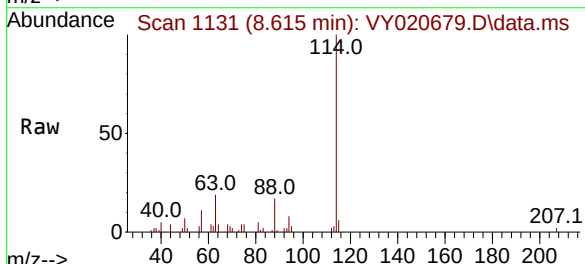
Tgt Ion: 114 Resp: 17467

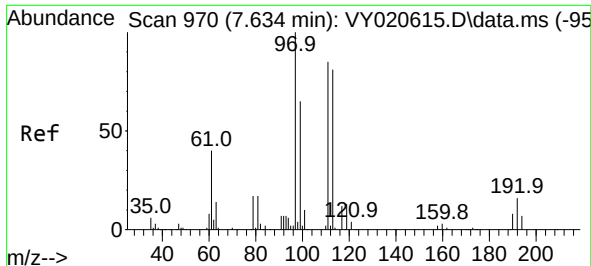
Ion Ratio Lower Upper

114 100

63 19.2 0.0 44.0

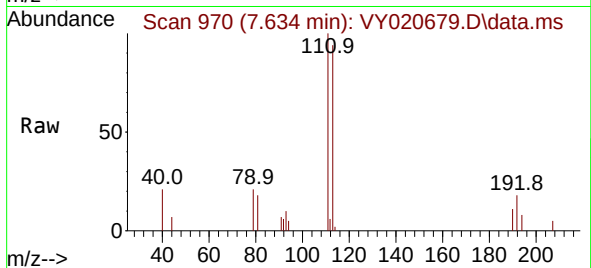
88 16.6 0.0 32.8



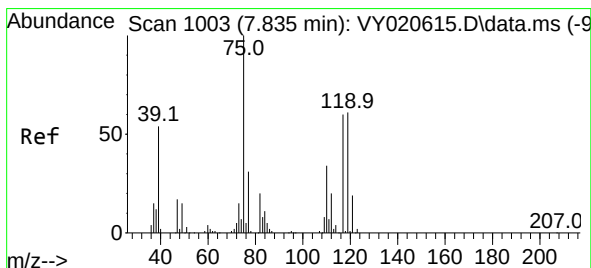
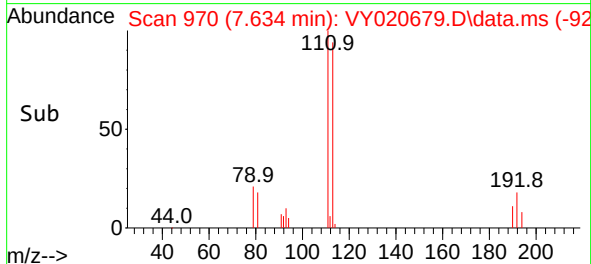
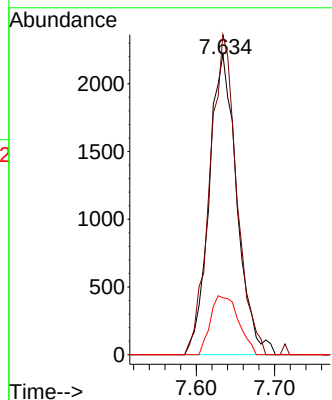


#35
Dibromofluoromethane
Concen: 44.564 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020679.D
Acq: 20 Dec 2024 18:26

Instrument :
MSVOA_Y
ClientSampleId :

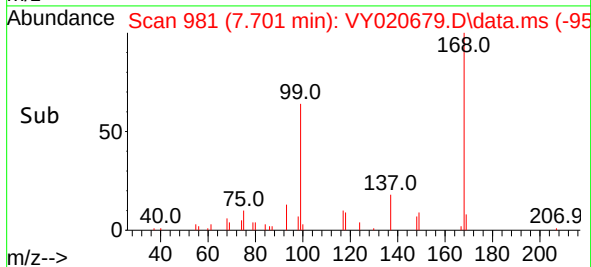
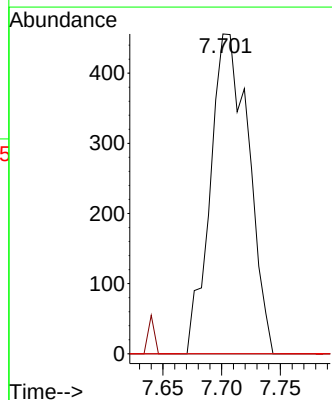
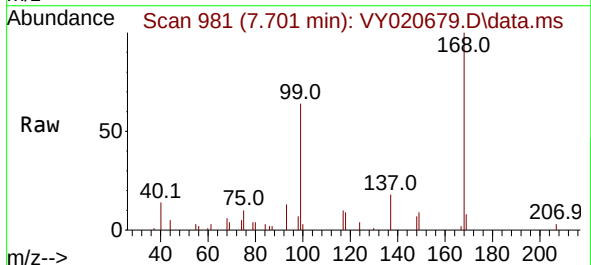


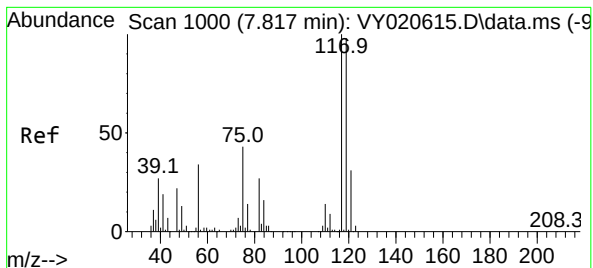
Tgt Ion:113 Resp: 5486
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 19.7 15.7 23.5



#36
1,1-Dichloropropene
Concen: 4.602 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY020679.D
Acq: 20 Dec 2024 18:26

Tgt Ion: 75 Resp: 1033
Ion Ratio Lower Upper
75 100
110 0.0 16.8 50.4#
77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.218 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.110 min

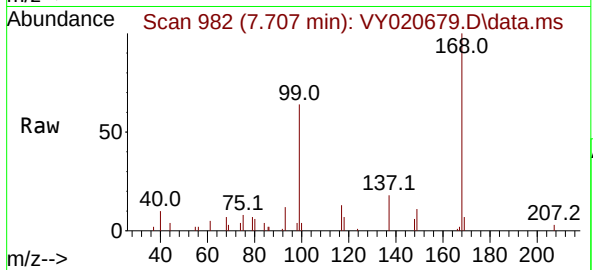
Lab File: VY020679.D

Acq: 20 Dec 2024 18:26

Instrument :

MSVOA_Y

ClientSampleId :



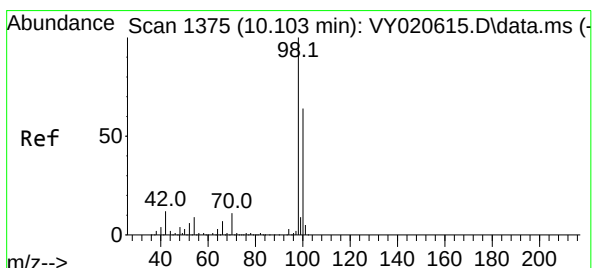
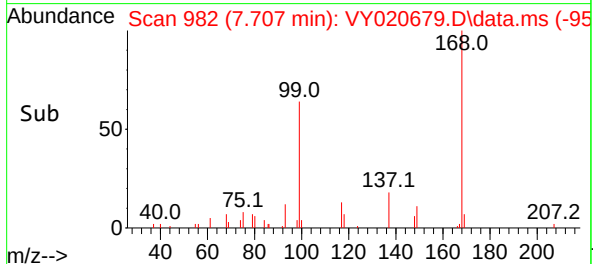
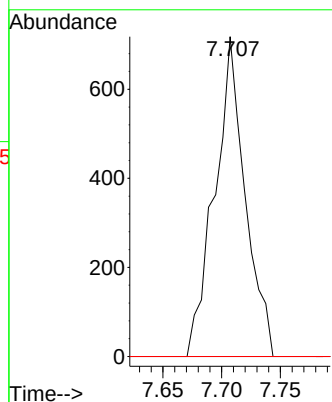
Tgt Ion:117 Resp: 1296

Ion Ratio Lower Upper

117 100

119 0.0 78.3 117.5#

121 0.0 25.1 37.7#



#50

Toluene-d8

Concen: 45.022 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY020679.D

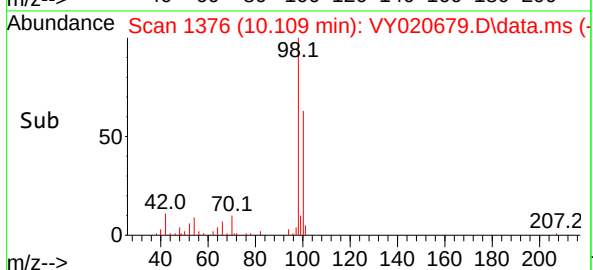
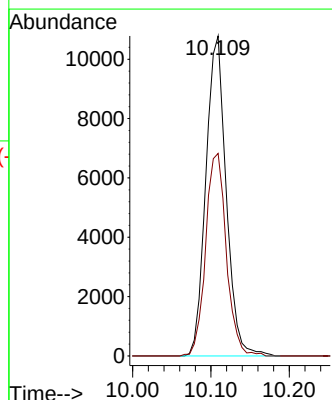
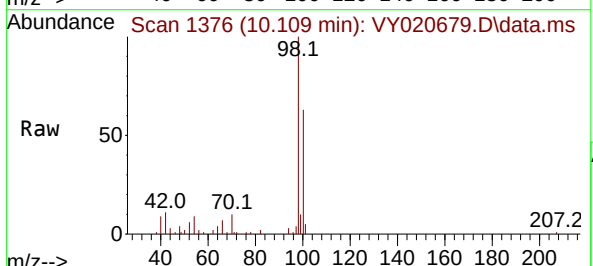
Acq: 20 Dec 2024 18:26

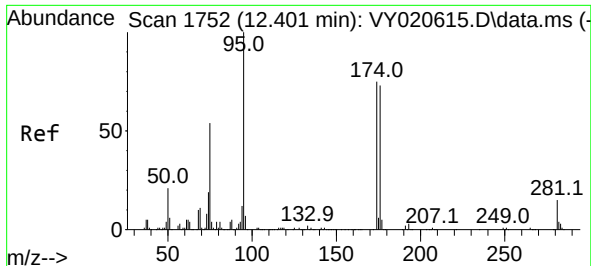
Tgt Ion: 98 Resp: 19399

Ion Ratio Lower Upper

98 100

100 64.5 52.1 78.1

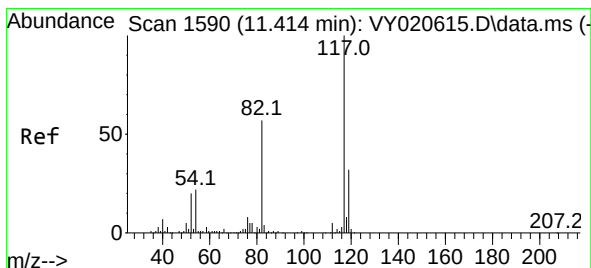
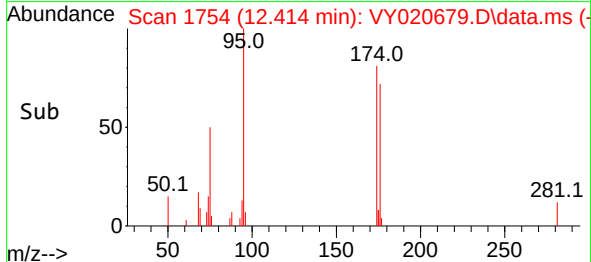
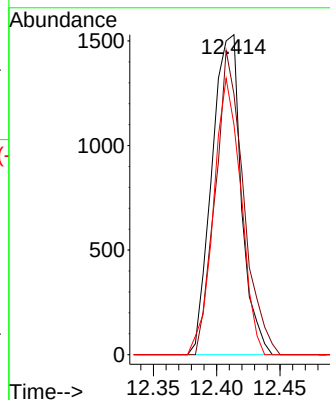
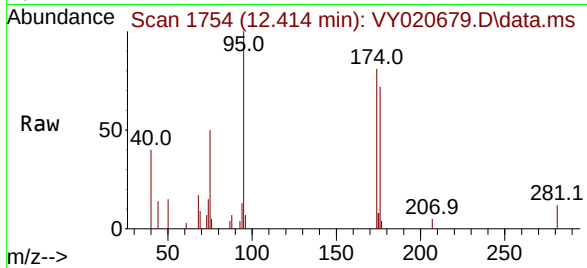




#62
4-Bromofluorobenzene
Concen: 14.732 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.012 min
Lab File: VY020679.D
Acq: 20 Dec 2024 18:26

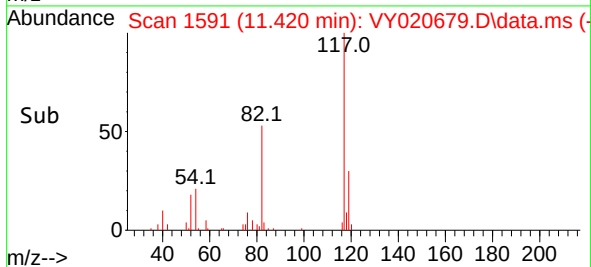
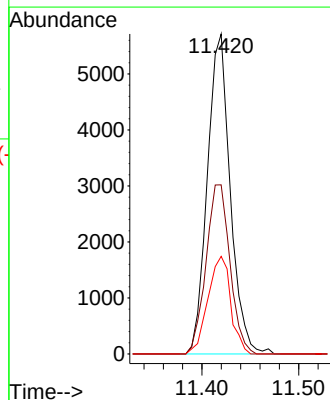
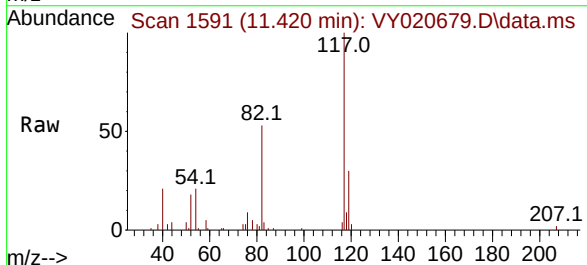
Instrument :
MSVOA_Y
ClientSampleId :

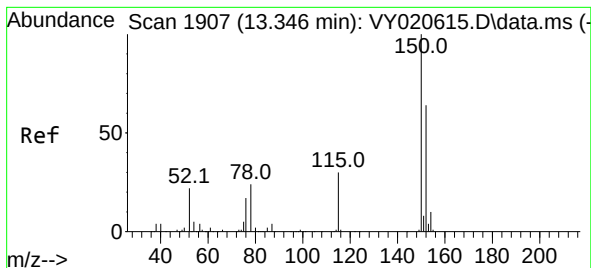
Tgt Ion:	95	Resp:	2483
Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	161.8
176	80.0	0.0	156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY020679.D
Acq: 20 Dec 2024 18:26

Tgt Ion:	117	Resp:	9407
Ion	Ratio	Lower	Upper
117	100		
82	52.9	45.8	68.6
119	30.5	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

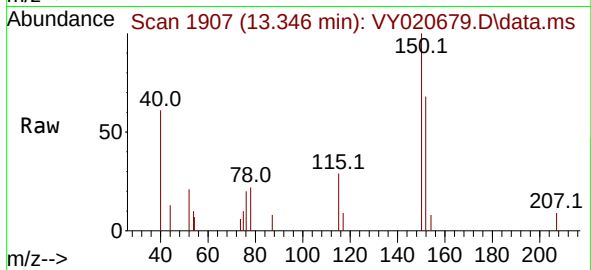
Lab File: VY020679.D

Acq: 20 Dec 2024 18:26

Instrument :

MSVOA_Y

ClientSampleId :



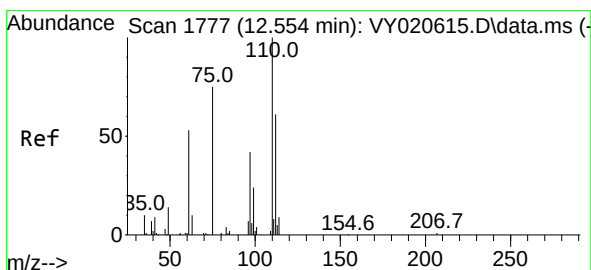
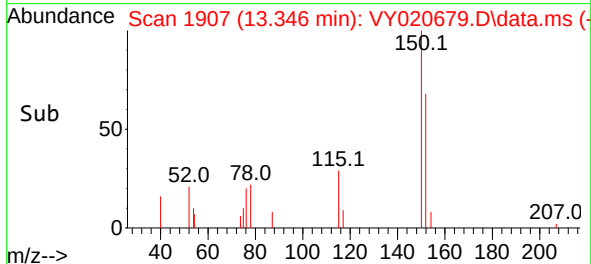
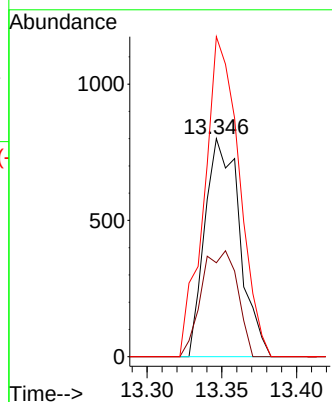
Tgt Ion:152 Resp: 1297

Ion Ratio Lower Upper

152 100

115 50.2 30.2 90.6

150 147.6 0.0 355.4



#76

1,2,3-Trichloropropane

Concen: 106.358 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY020679.D

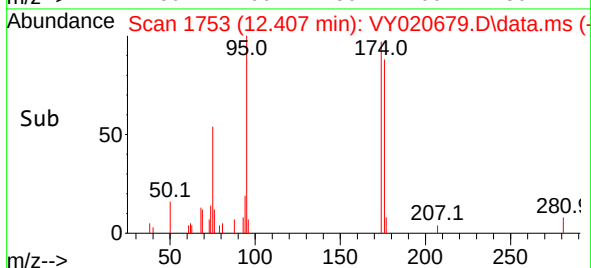
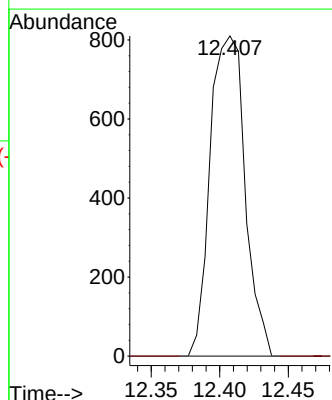
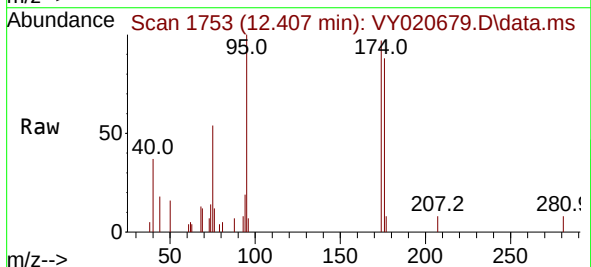
Acq: 20 Dec 2024 18:26

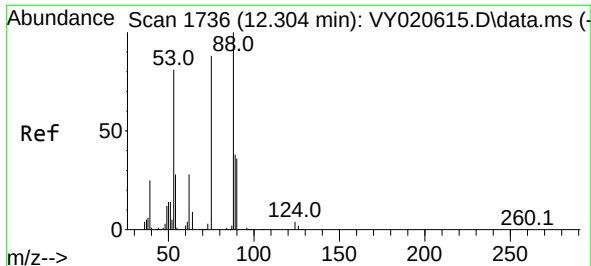
Tgt Ion: 75 Resp: 1433

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

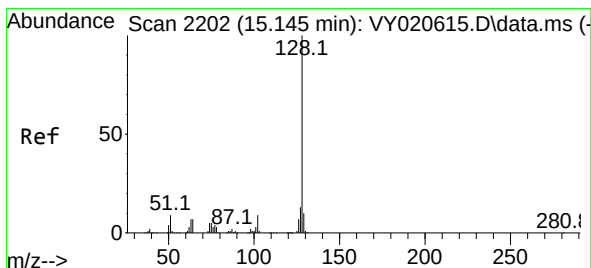
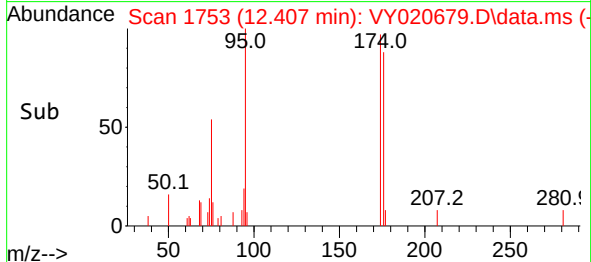
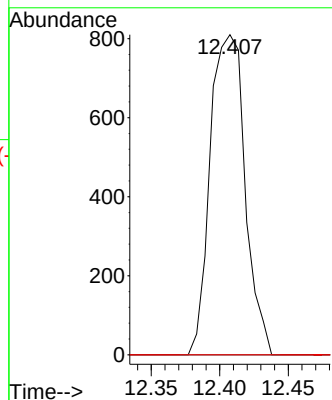
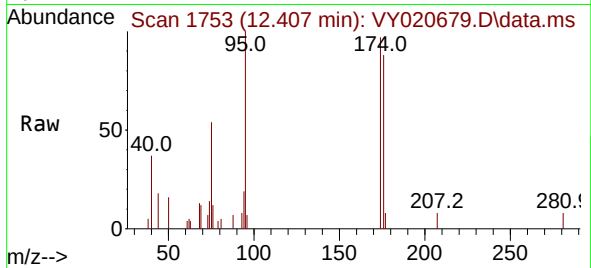




#81
trans-1,4-Dichloro-2-butene
Concen: 223.251 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY020679.D
Acq: 20 Dec 2024 18:26

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 1433
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 1.372 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY020679.D
Acq: 20 Dec 2024 18:26

Tgt Ion:128 Resp: 60
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.5 12.7#

