

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
 Data File : VY020675.D
 Acq On : 20 Dec 2024 16:52
 Operator : SY/MD
 Sample : P5316-04
 Misc : 5.36g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TT-304-IDWSO-20241217-4RE

Quant Time: Dec 20 18:11:23 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)

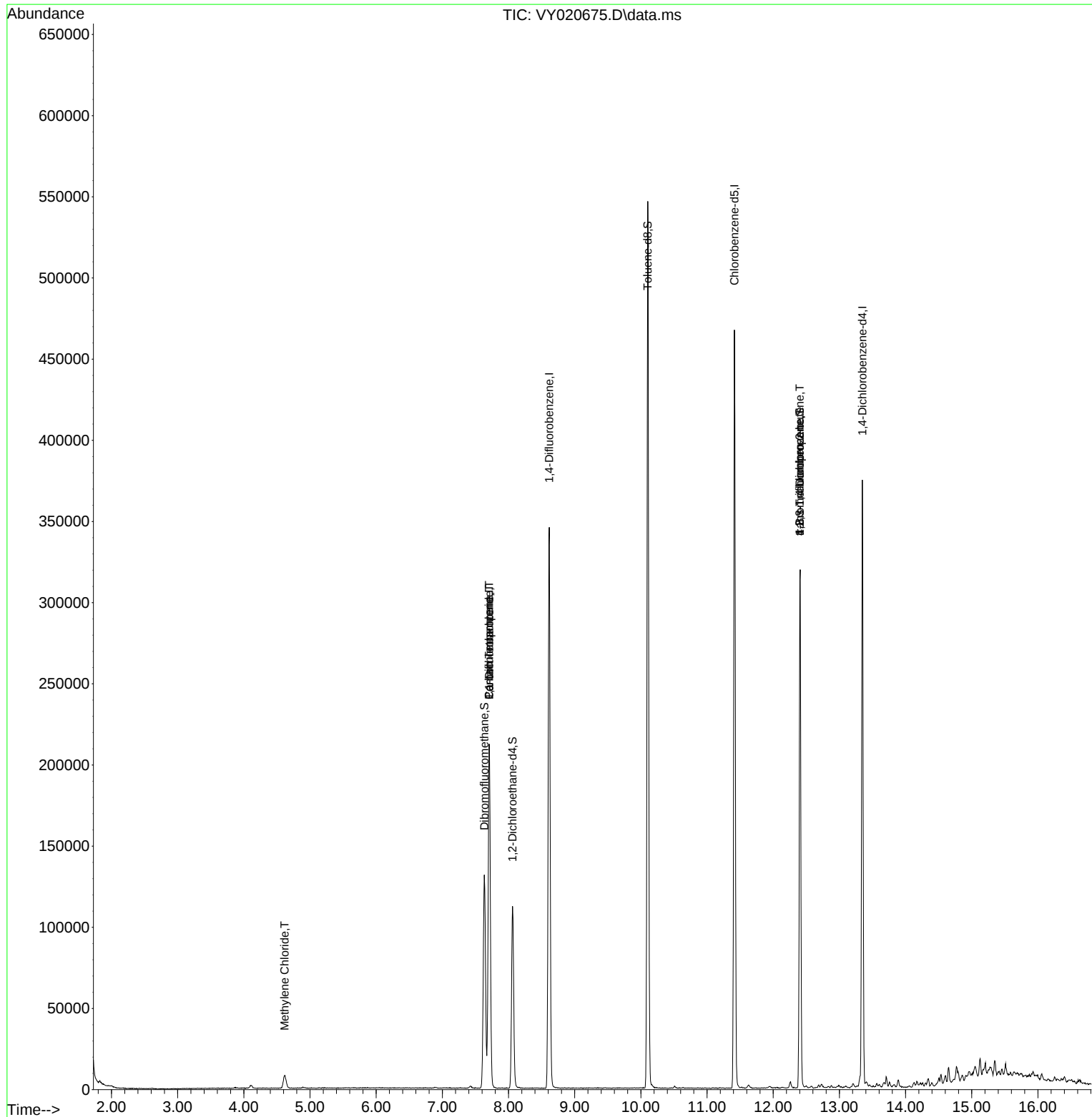
Internal Standards						
1) Pentafluorobenzene	7.707	168	164449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	291183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	241631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	90485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	91496	50.801	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.600%
35) Dibromofluoromethane	7.634	113	94126	45.866	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.740%
50) Toluene-d8	10.103	98	349801	48.699	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.400%
62) 4-Bromofluorobenzene	12.401	95	99228	35.315	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	70.640%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.866	59	235	Below Cal	#	75
16) Acetone	3.860	43	235	Below Cal	#	87
20) Methylene Chloride	4.616	84	6156	2.749	ug/l	89
30) Chloroform	7.427	83	1224	Below Cal		99
36) 1,1-Dichloropropene	7.707	75	12845	3.433	ug/l #	52
38) Carbon Tetrachloride	7.707	117	16998	4.106	ug/l #	15
76) 1,2,3-Trichloropropane	12.401	75	54514	57.996	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	54514	121.736	ug/l #	12

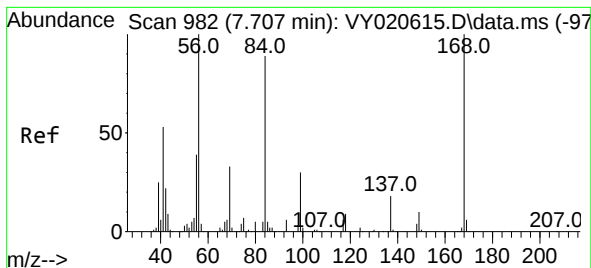
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TT-304-IDWSO-20241217-4RE

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Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY020675.D

Acq: 20 Dec 2024 16:52

Instrument :

MSVOA_Y

ClientSampleId :

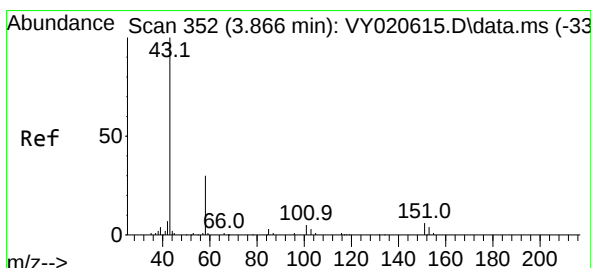
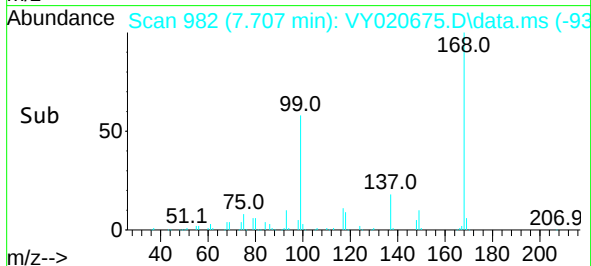
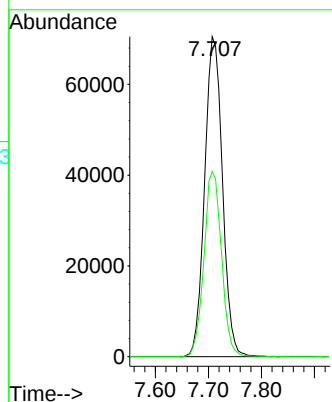
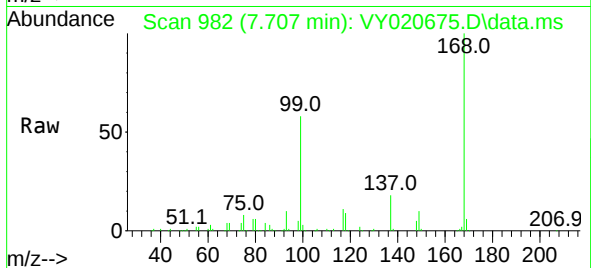
TT-304-IDWSO-20241217-4RE

Tgt Ion:168 Resp: 164449

Ion Ratio Lower Upper

168 100

99 57.9 47.0 70.6



#16

Acetone

Concen: Below Cal

RT: 3.860 min Scan# 351

Delta R.T. -0.006 min

Lab File: VY020675.D

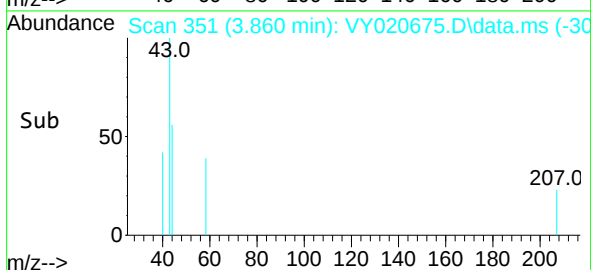
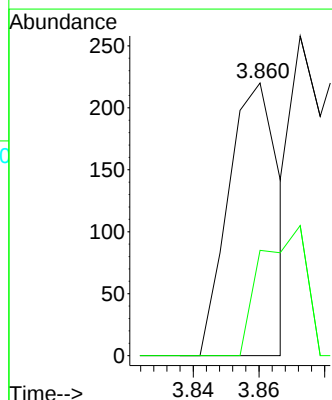
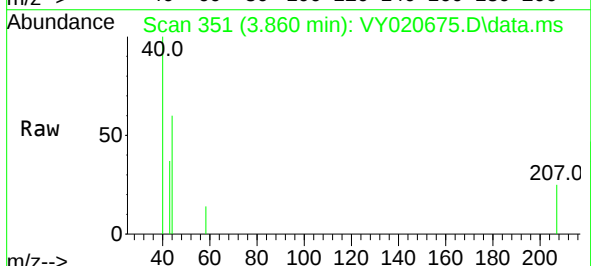
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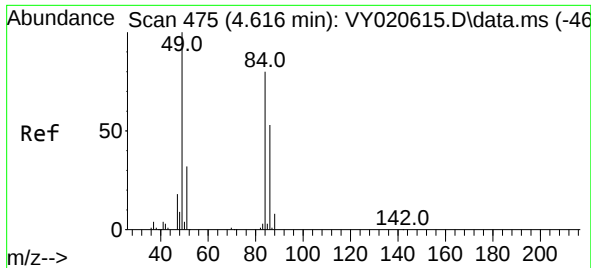
Tgt Ion: 43 Resp: 235

Ion Ratio Lower Upper

43 100

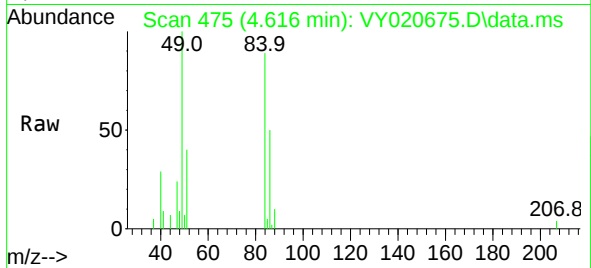
58 38.6 25.0 37.6#



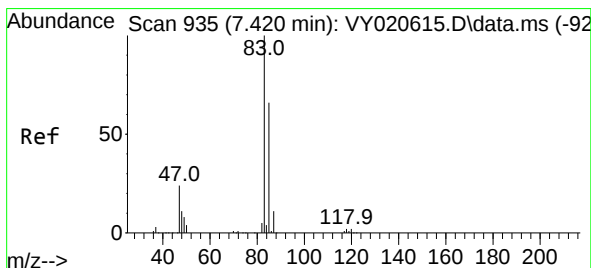
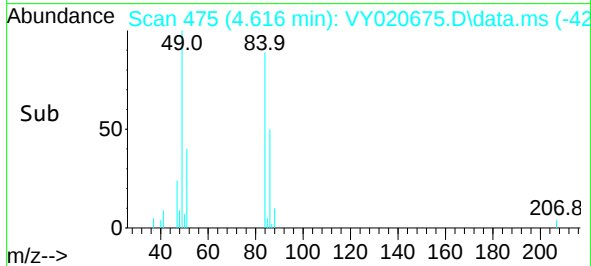
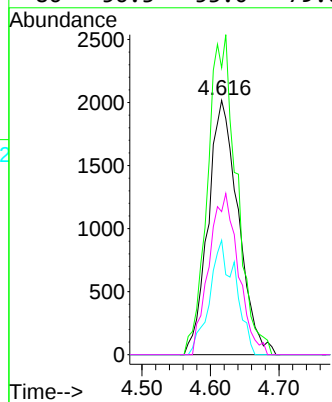


#20
Methylene Chloride
Concen: 2.749 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY020675.D
Acq: 20 Dec 2024 16:52

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4RE

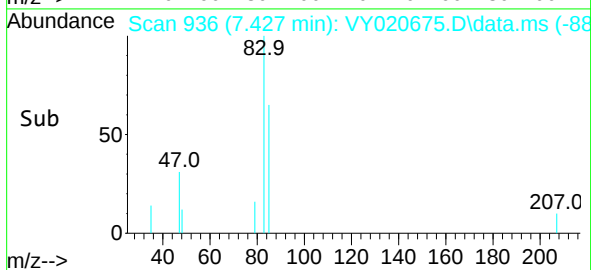
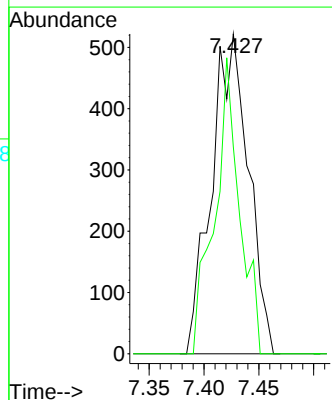
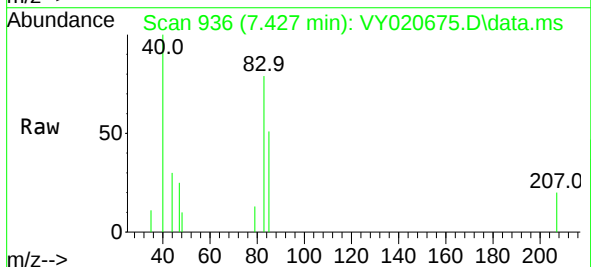


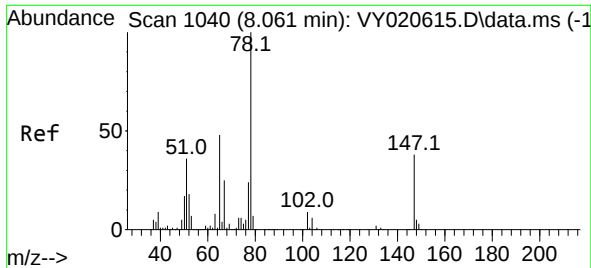
Tgt Ion:	84	Resp:	6156
Ion	Ratio	Lower	Upper
84	100		
49	112.8	100.7	151.1
51	45.0	32.2	48.2
86	56.3	53.0	79.6



#30
Chloroform
Concen: Below Cal
RT: 7.427 min Scan# 936
Delta R.T. 0.007 min
Lab File: VY020675.D
Acq: 20 Dec 2024 16:52

Tgt Ion:	83	Resp:	1224
Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.7	79.1

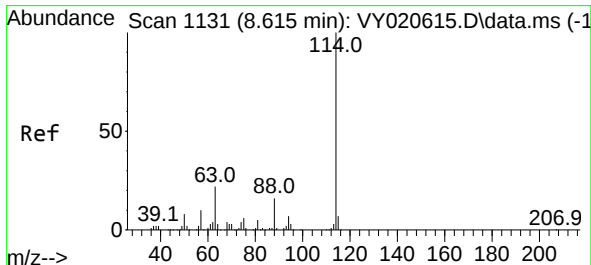
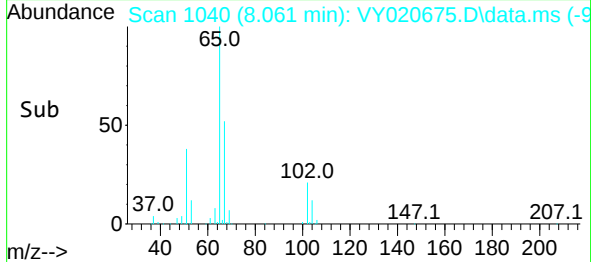
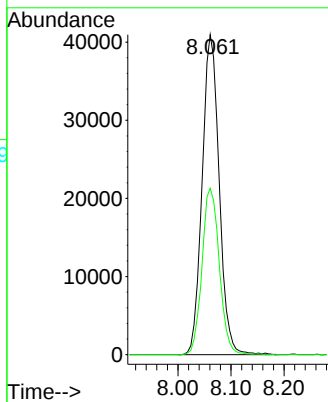
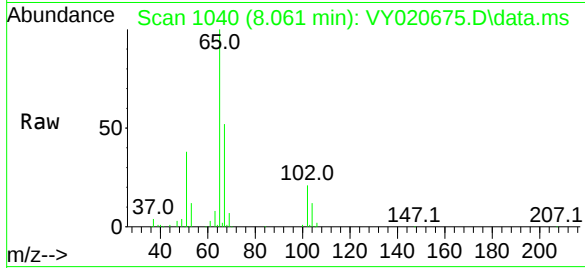




#33
1,2-Dichloroethane-d4
Concen: 50.801 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020675.D
Acq: 20 Dec 2024 16:52

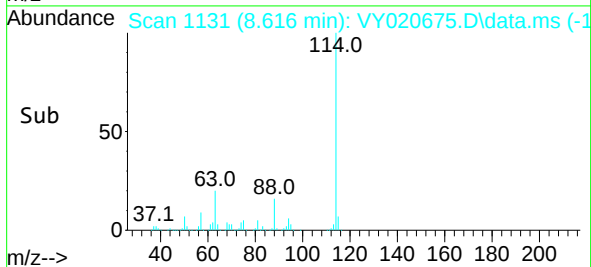
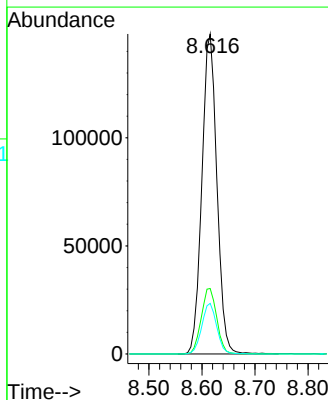
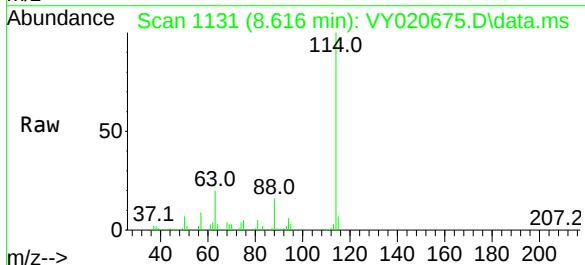
Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4RE

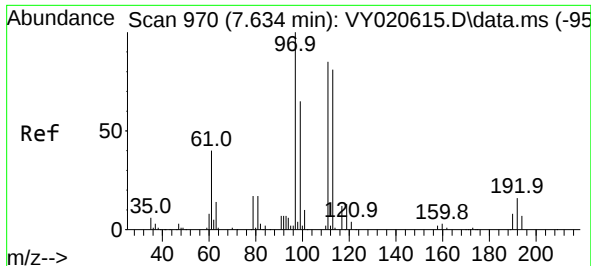
Tgt Ion: 65 Resp: 91496
Ion Ratio Lower Upper
65 100
67 52.6 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020675.D
Acq: 20 Dec 2024 16:52

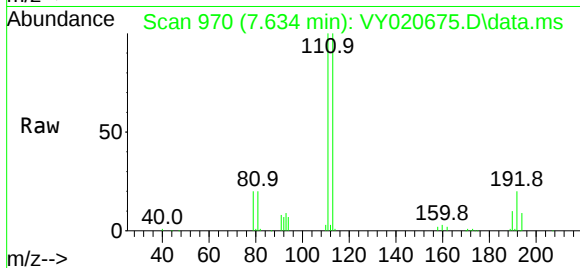
Tgt Ion: 114 Resp: 291183
Ion Ratio Lower Upper
114 100
63 20.5 0.0 44.0
88 15.8 0.0 32.8



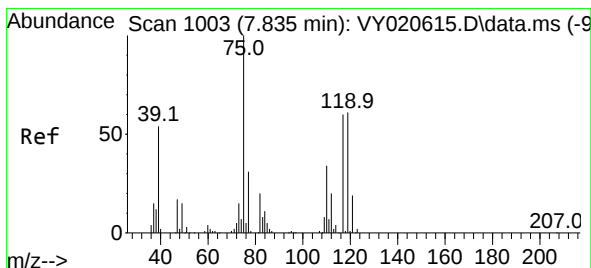
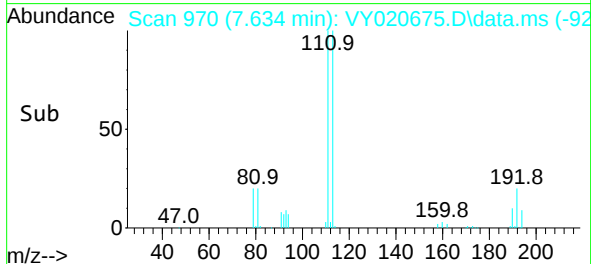
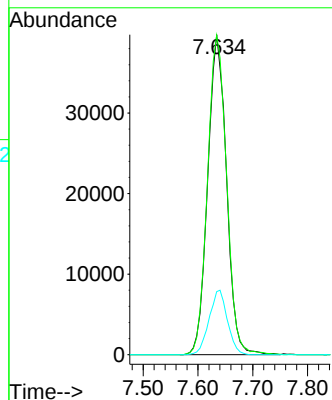


#35
Dibromofluoromethane
Concen: 45.866 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020675.D
Acq: 20 Dec 2024 16:52

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4RE

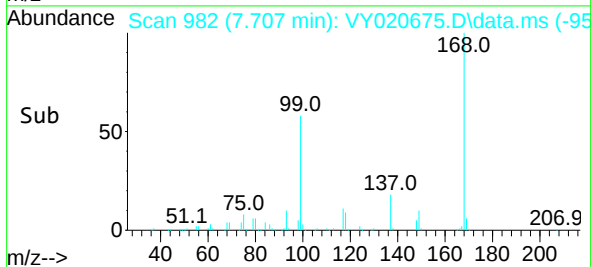
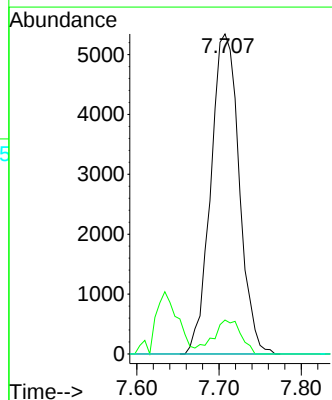
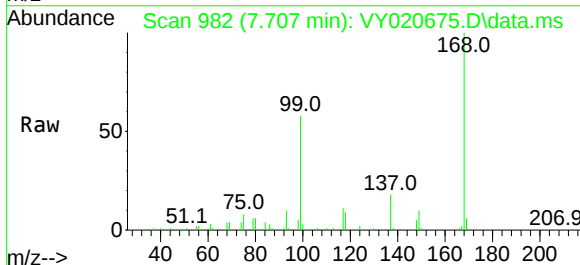


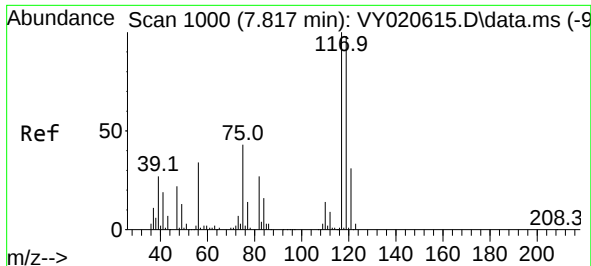
Tgt Ion:113 Resp: 94126
Ion Ratio Lower Upper
113 100
111 101.7 82.9 124.3
192 19.7 15.7 23.5



#36
1,1-Dichloropropene
Concen: 3.433 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY020675.D
Acq: 20 Dec 2024 16:52

Tgt Ion: 75 Resp: 12845
Ion Ratio Lower Upper
75 100
110 10.3 16.8 50.4#
77 0.0 25.0 37.6#

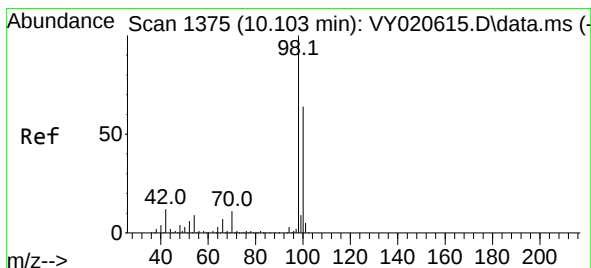
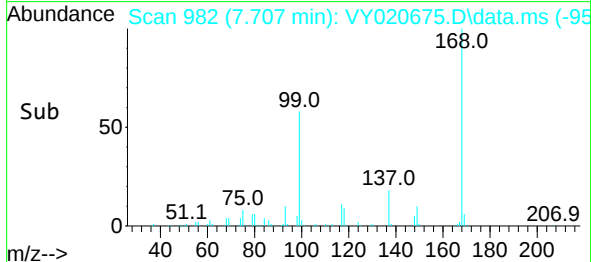
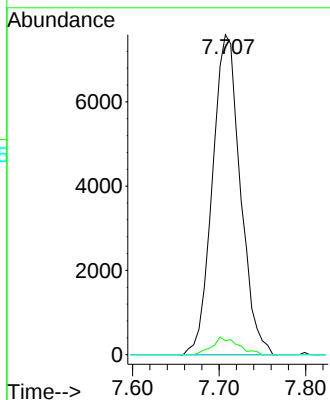
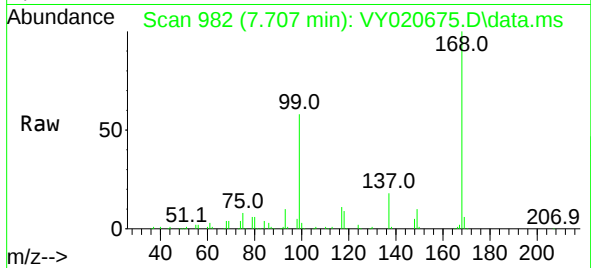




#38
Carbon Tetrachloride
Concen: 4.106 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY020675.D
Acq: 20 Dec 2024 16:52

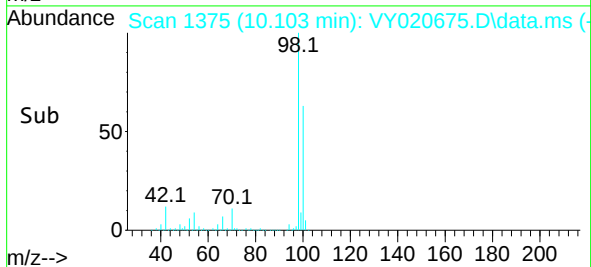
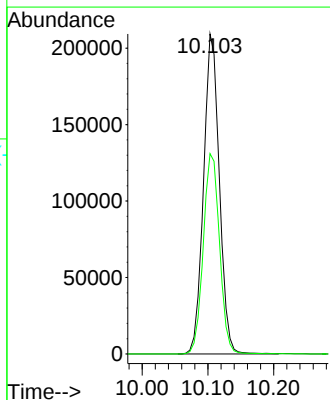
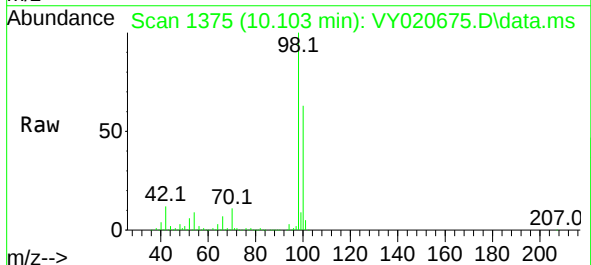
Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4RE

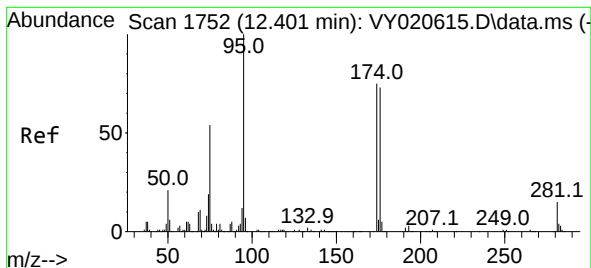
Tgt Ion:117 Resp: 16998
Ion Ratio Lower Upper
117 100
119 4.4 78.3 117.5#
121 0.0 25.1 37.7#



#50
Toluene-d8
Concen: 48.699 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020675.D
Acq: 20 Dec 2024 16:52

Tgt Ion: 98 Resp: 349801
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 35.315 ug/l

RT: 12.401 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY020675.D

Acq: 20 Dec 2024 16:52

Instrument :

MSVOA_Y

ClientSampleId :

TT-304-IDWSO-20241217-4RE

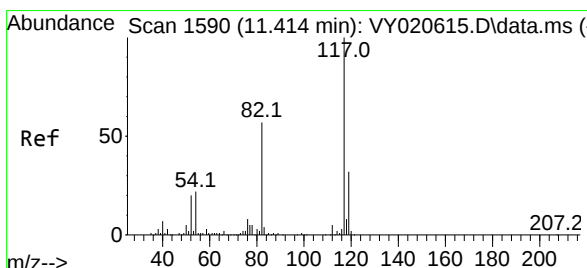
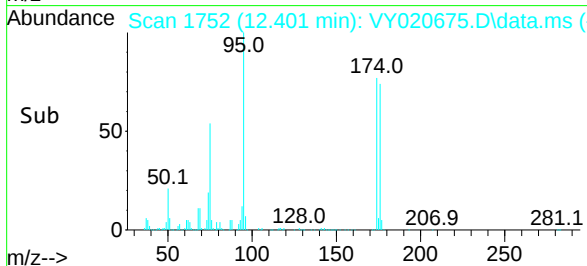
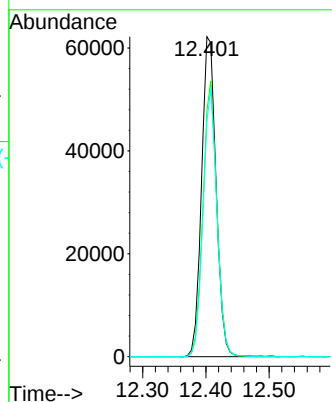
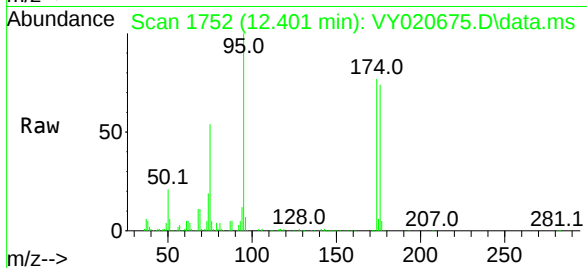
Tgt Ion: 95 Resp: 99228

Ion Ratio Lower Upper

95 100

174 83.5 0.0 161.8

176 79.5 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: VY020675.D

Acq: 20 Dec 2024 16:52

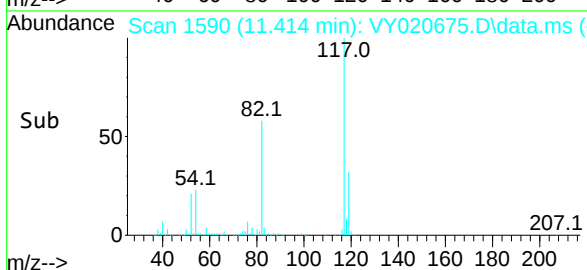
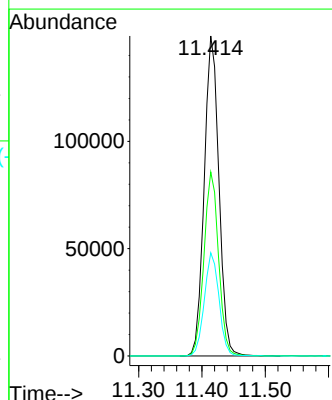
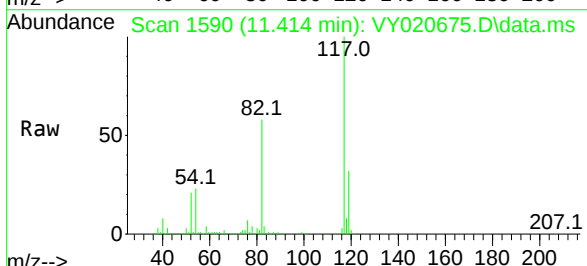
Tgt Ion: 117 Resp: 241631

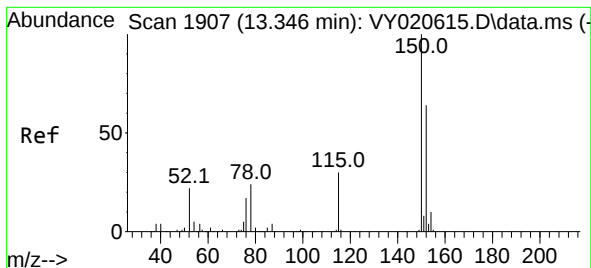
Ion Ratio Lower Upper

117 100

82 57.5 45.8 68.6

119 32.2 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: VY020675.D

Acq: 20 Dec 2024 16:52

Instrument :

MSVOA_Y

ClientSampleId :

TT-304-IDWSO-20241217-4RE

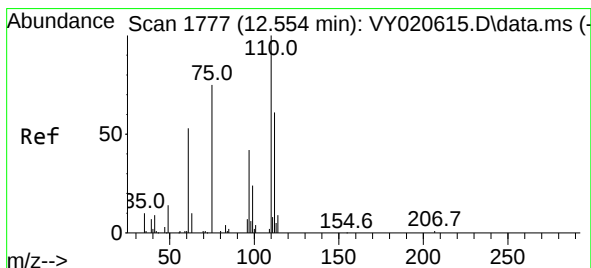
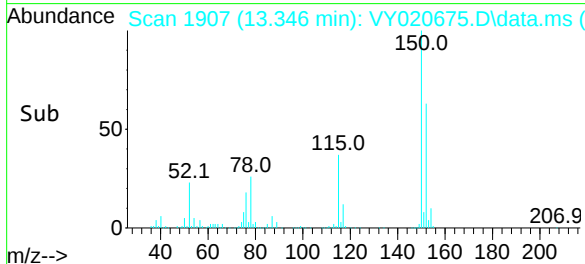
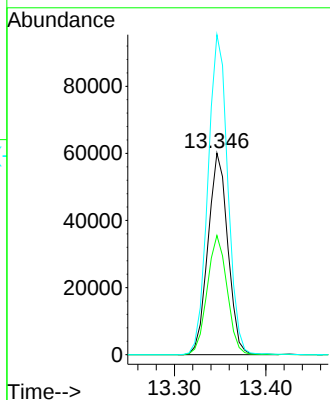
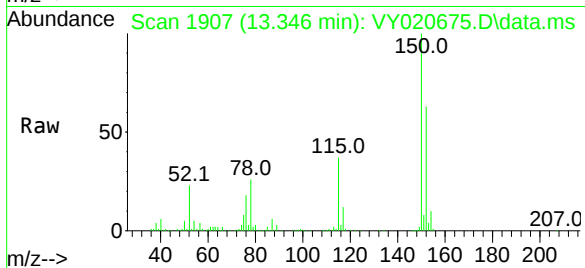
Tgt Ion:152 Resp: 90485

Ion Ratio Lower Upper

152 100

115 59.2 30.2 90.6

150 158.7 0.0 355.4



#76

1,2,3-Trichloropropane

Concen: 57.996 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY020675.D

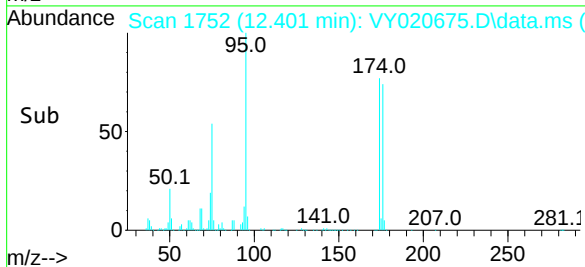
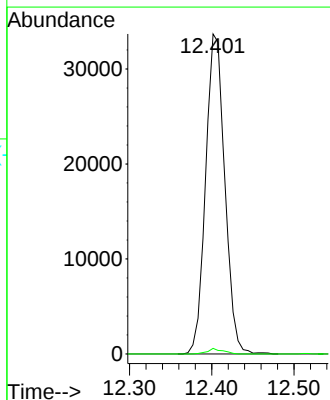
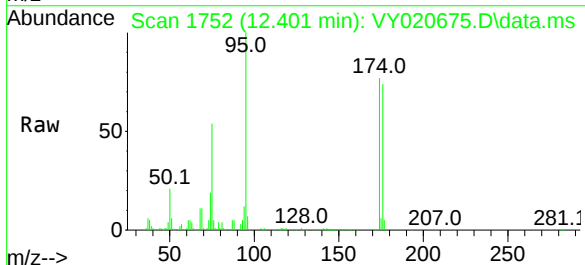
Acq: 20 Dec 2024 16:52

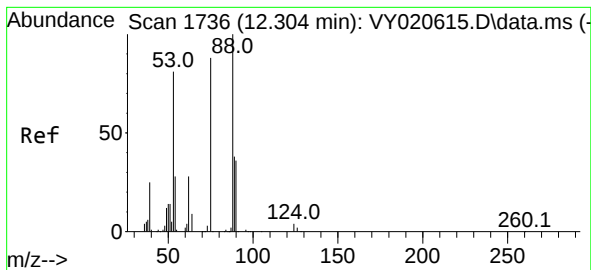
Tgt Ion: 75 Resp: 54514

Ion Ratio Lower Upper

75 100

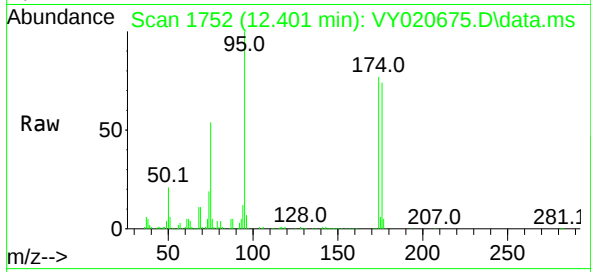
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.736 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY020675.D
 Acq: 20 Dec 2024 16:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 TT-304-IDWSO-20241217-4RE



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

