

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
 Data File : VY020671.D
 Acq On : 20 Dec 2024 15:21
 Operator : SY/MD
 Sample : P5316-03
 Misc : 5.36g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TT-304-IDWSO-20241217-3

Quant Time: Dec 20 18:09:22 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)

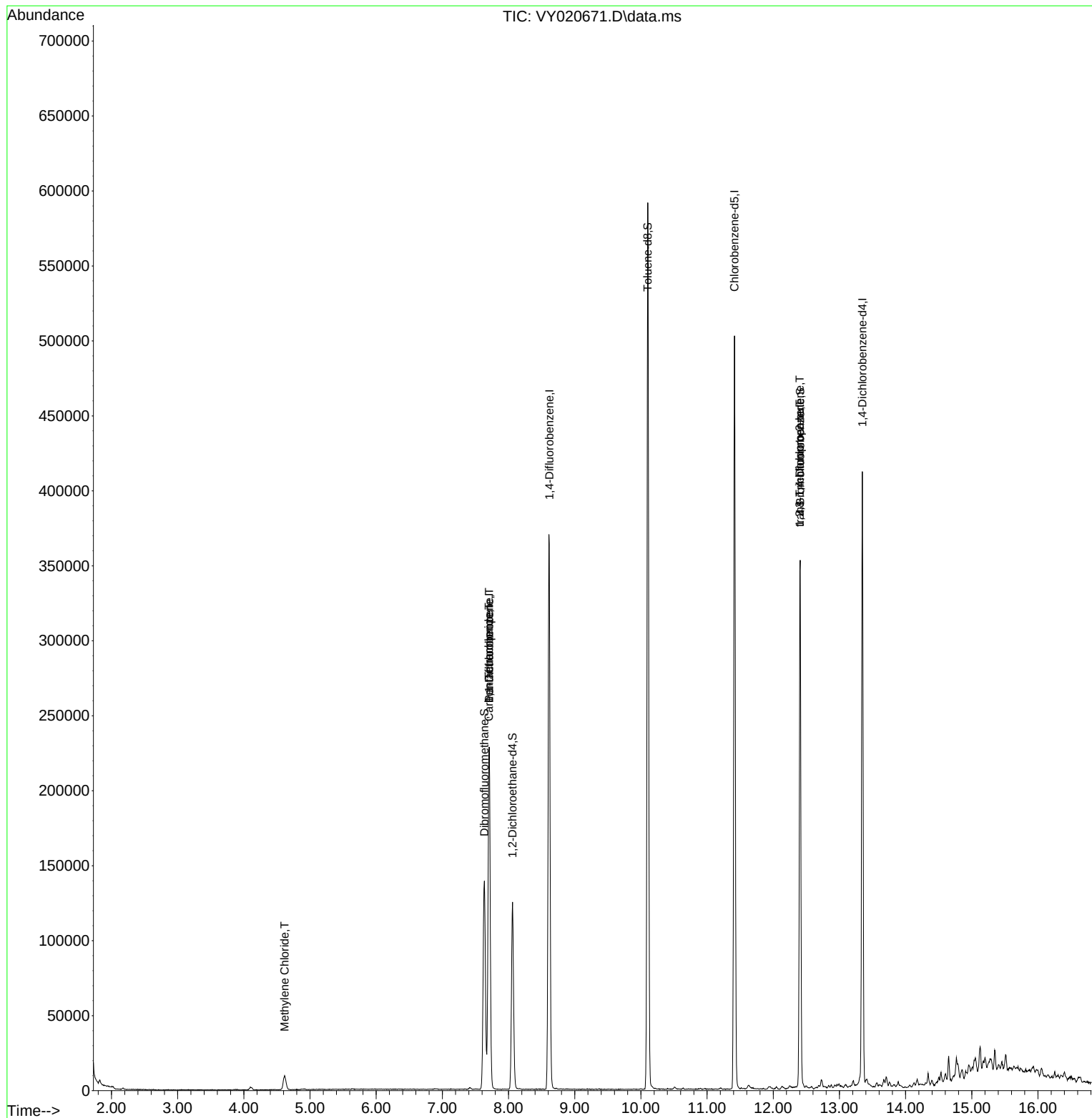
Internal Standards						
1) Pentafluorobenzene	7.707	168	176765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	313918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	264293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	100425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98670	50.967	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.940%
35) Dibromofluoromethane	7.634	113	100884	45.599	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.200%
50) Toluene-d8	10.103	98	377487	48.747	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.500%
62) 4-Bromofluorobenzene	12.408	95	112544	37.154	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	74.300%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	117	Below Cal	#	75
16) Acetone	3.867	43	384	Below Cal	#	60
20) Methylene Chloride	4.616	84	7073	2.938	ug/l	87
30) Chloroform	7.421	83	1064	Below Cal		94
36) 1,1-Dichloropropene	7.707	75	14396	3.568	ug/l #	51
38) Carbon Tetrachloride	7.701	117	18021	4.038	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	59534	57.067	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	59534	119.787	ug/l #	12

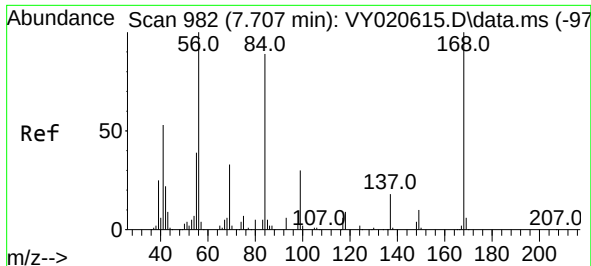
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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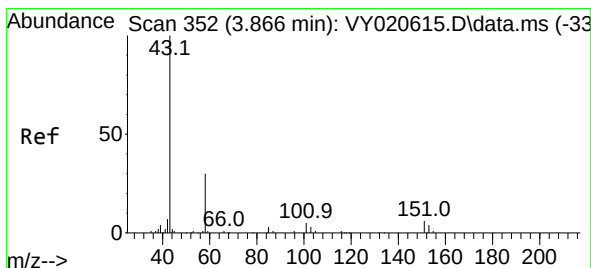
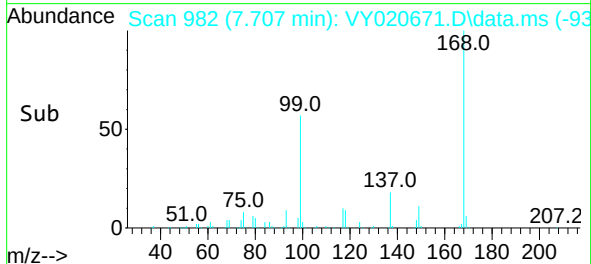
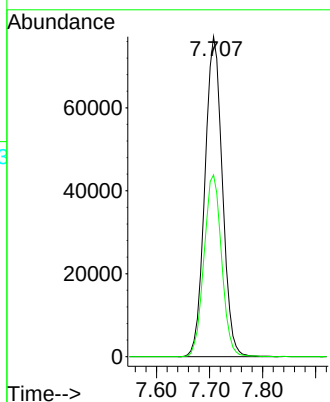
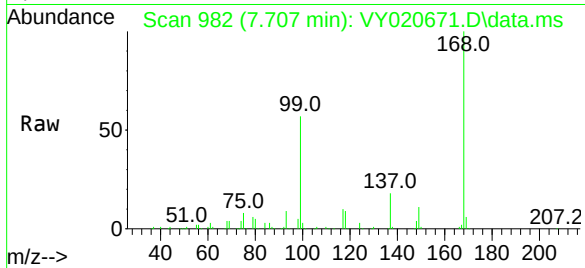




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020671.D
Acq: 20 Dec 2024 15:21

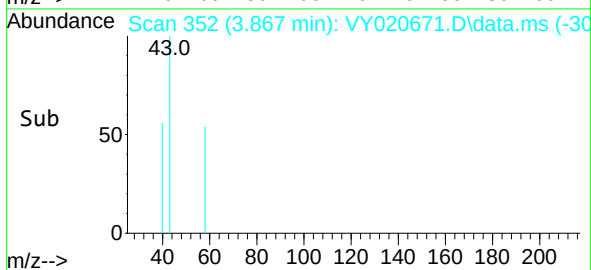
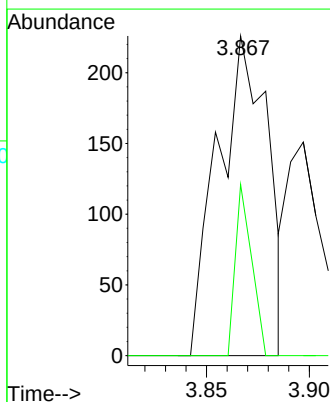
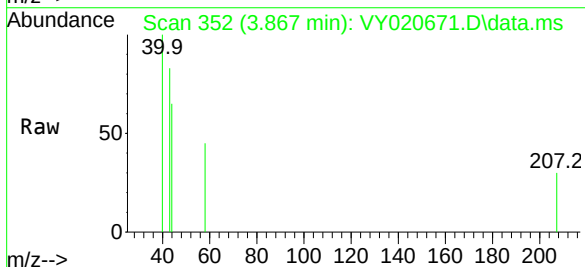
Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-3

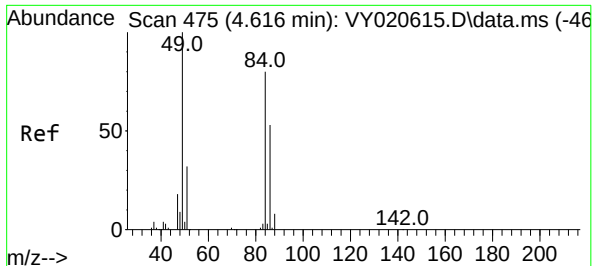
Tgt Ion:168 Resp: 176765
Ion Ratio Lower Upper
168 100
99 56.8 47.0 70.6



#16
Acetone
Concen: Below Cal
RT: 3.867 min Scan# 352
Delta R.T. 0.001 min
Lab File: VY020671.D
Acq: 20 Dec 2024 15:21

Tgt Ion: 43 Resp: 384
Ion Ratio Lower Upper
43 100
58 53.5 25.0 37.6#

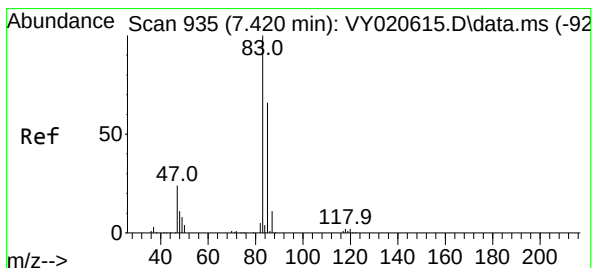
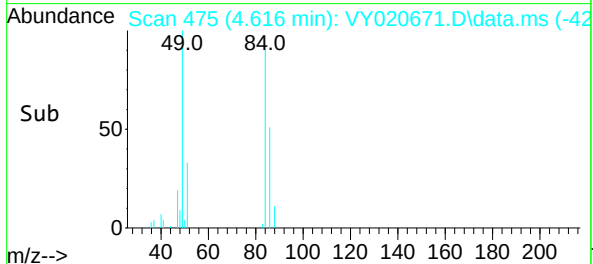
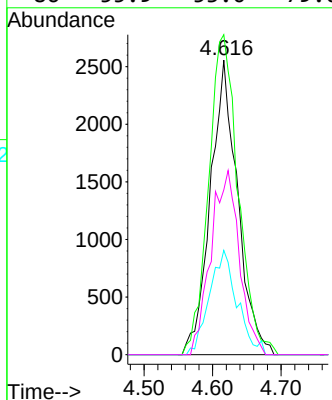
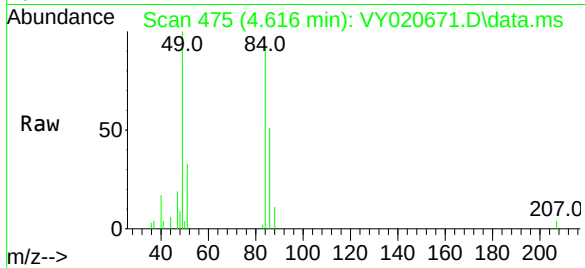




#20
Methylene Chloride
Concen: 2.938 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY020671.D
Acq: 20 Dec 2024 15:21

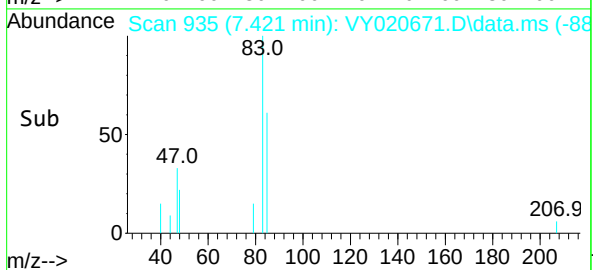
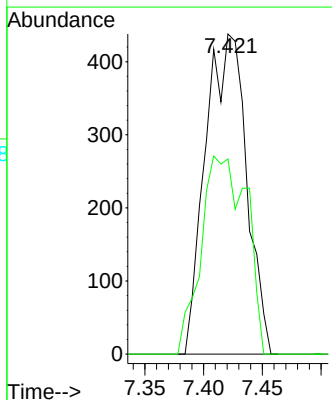
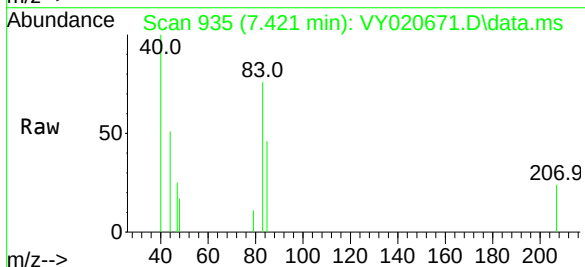
Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-3

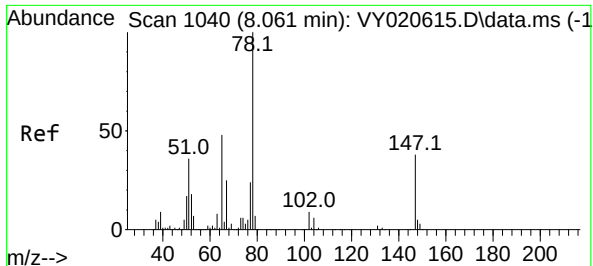
Tgt Ion:	84	Resp:	7073
Ion	Ratio	Lower	Upper
84	100		
49	108.6	100.7	151.1
51	35.4	32.2	48.2
86	55.9	53.0	79.6



#30
Chloroform
Concen: Below Cal
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020671.D
Acq: 20 Dec 2024 15:21

Tgt Ion:	83	Resp:	1064
Ion	Ratio	Lower	Upper
83	100		
85	61.0	52.7	79.1





#33

1,2-Dichloroethane-d4

Concen: 50.967 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY020671.D

Acq: 20 Dec 2024 15:21

Instrument :

MSVOA_Y

ClientSampleId :

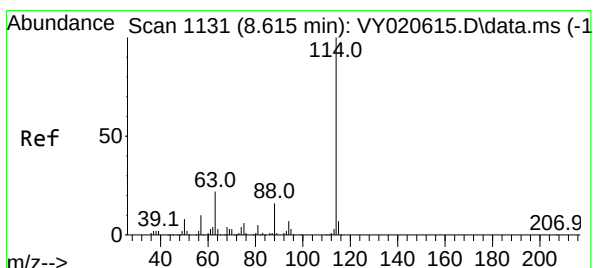
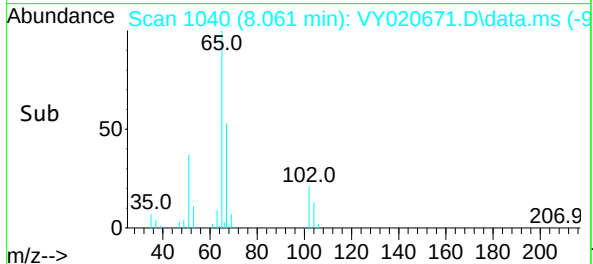
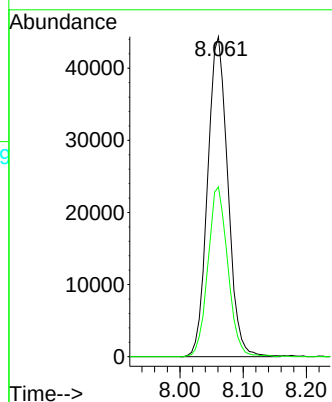
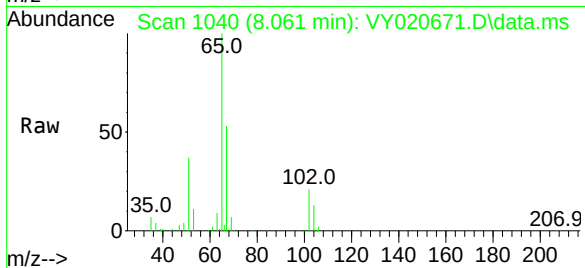
TT-304-IDWSO-20241217-3

Tgt Ion: 65 Resp: 98670

Ion Ratio Lower Upper

65 100

67 52.2 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: VY020671.D

Acq: 20 Dec 2024 15:21

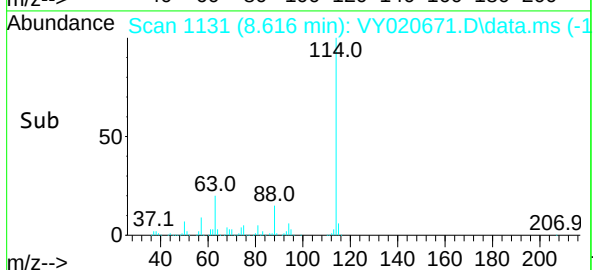
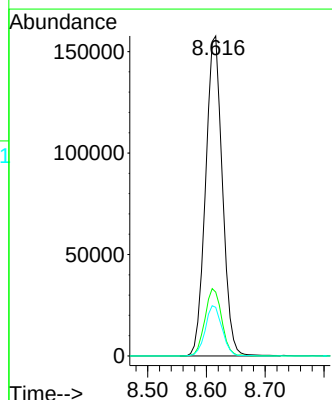
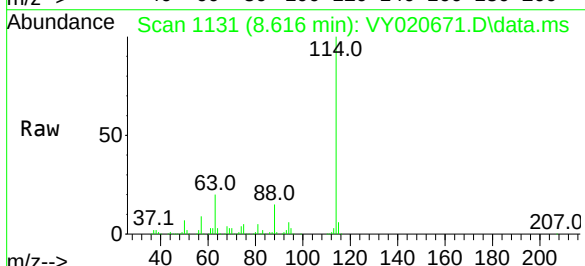
Tgt Ion: 114 Resp: 313918

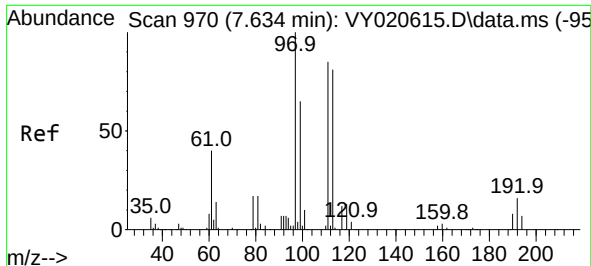
Ion Ratio Lower Upper

114 100

63 19.9 0.0 44.0

88 15.2 0.0 32.8

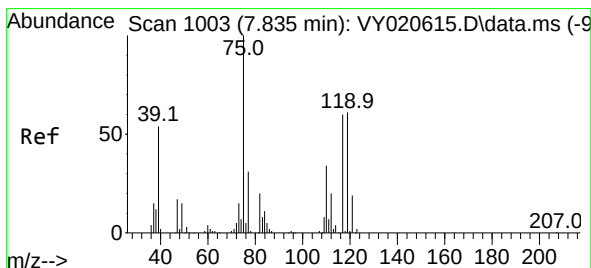
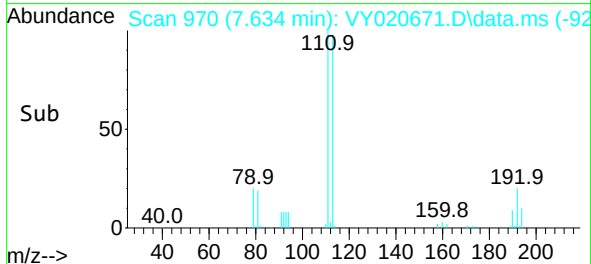
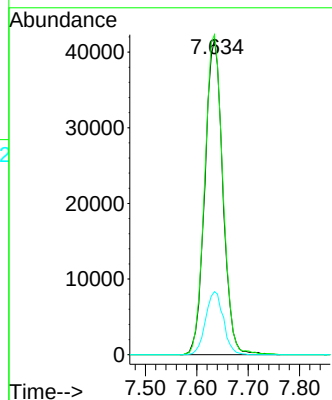
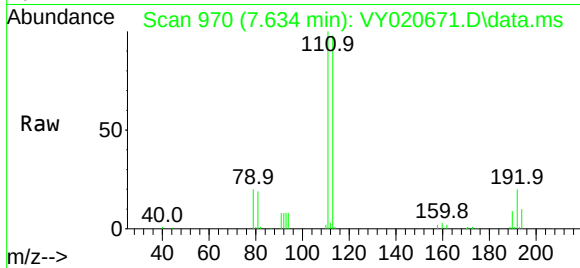




#35
Dibromofluoromethane
Concen: 45.599 ug/l
RT: 7.634 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY020671.D
Acq: 20 Dec 2024 15:21

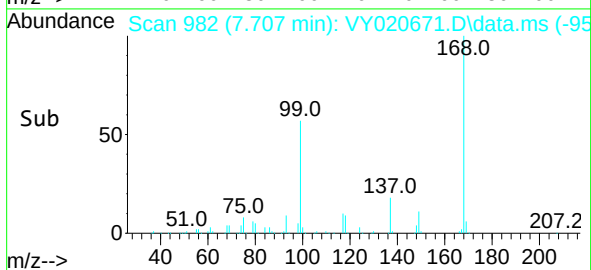
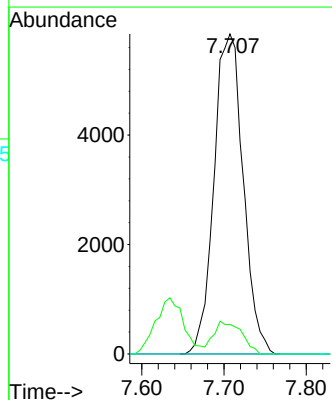
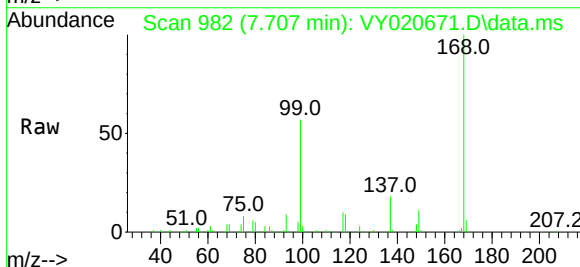
Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-3

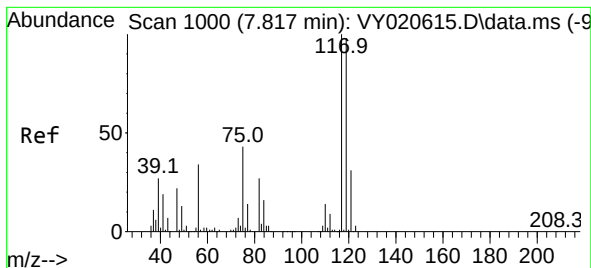
Tgt Ion:113 Resp: 100884
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 19.8 15.7 23.5



#36
1,1-Dichloropropene
Concen: 3.568 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY020671.D
Acq: 20 Dec 2024 15:21

Tgt Ion: 75 Resp: 14396
Ion Ratio Lower Upper
75 100
110 9.7 16.8 50.4#
77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 4.038 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.115 min

Lab File: VY020671.D

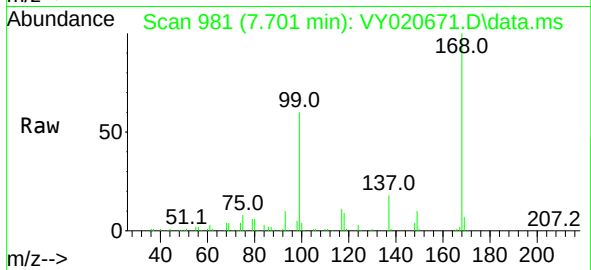
Acq: 20 Dec 2024 15:21

Instrument :

MSVOA_Y

ClientSampleId :

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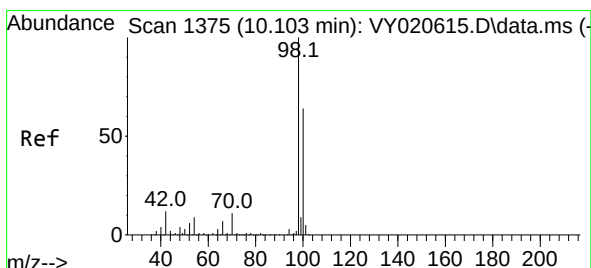
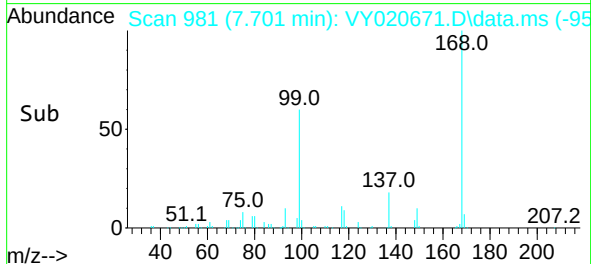
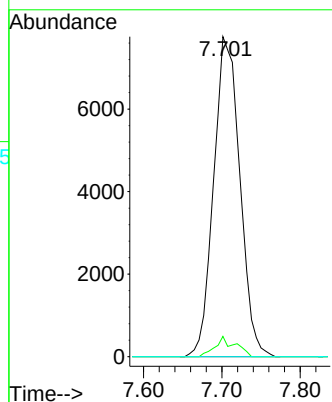
Tgt Ion:117 Resp: 18021

Ion Ratio Lower Upper

117 100

119 6.3 78.3 117.5#

121 0.0 25.1 37.7#



#50

Toluene-d8

Concen: 48.747 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY020671.D

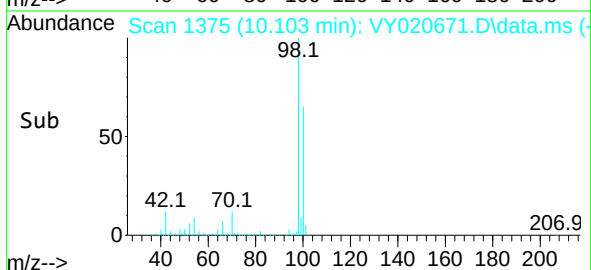
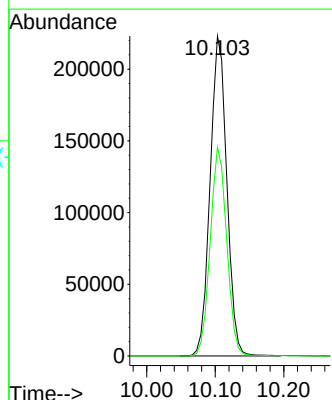
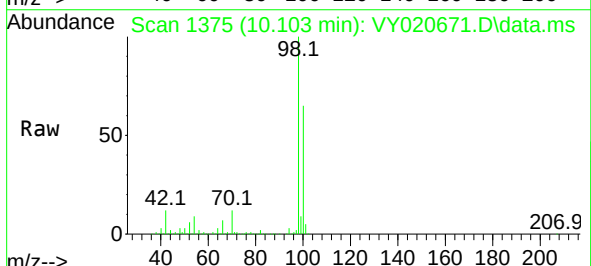
Acq: 20 Dec 2024 15:21

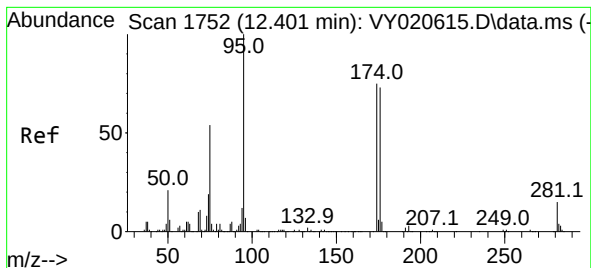
Tgt Ion: 98 Resp: 377487

Ion Ratio Lower Upper

98 100

100 64.6 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 37.154 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY020671.D

Acq: 20 Dec 2024 15:21

Instrument :

MSVOA_Y

ClientSampleId :

TT-304-IDWSO-20241217-3

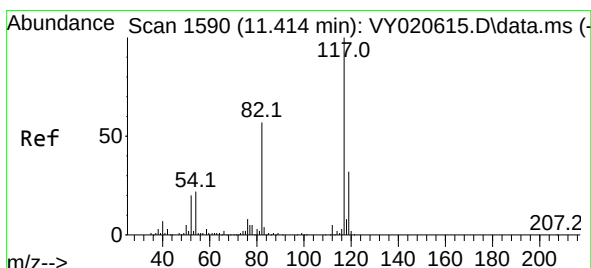
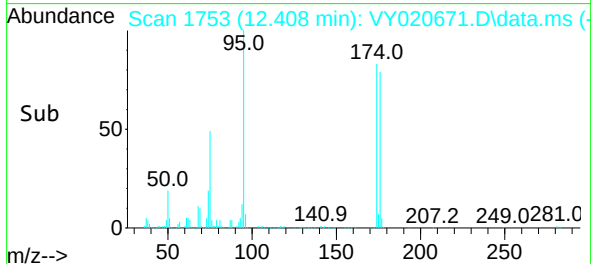
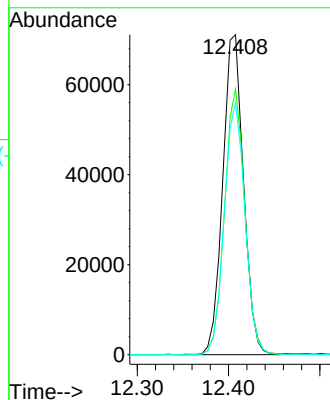
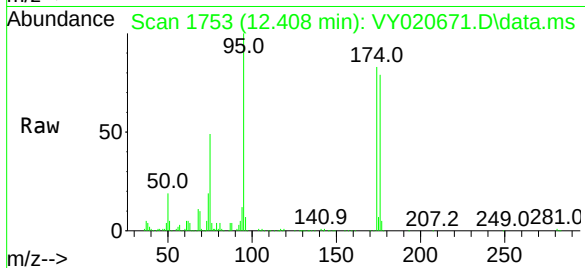
Tgt Ion: 95 Resp: 112544

Ion Ratio Lower Upper

95 100

174 81.3 0.0 161.8

176 78.7 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: VY020671.D

Acq: 20 Dec 2024 15:21

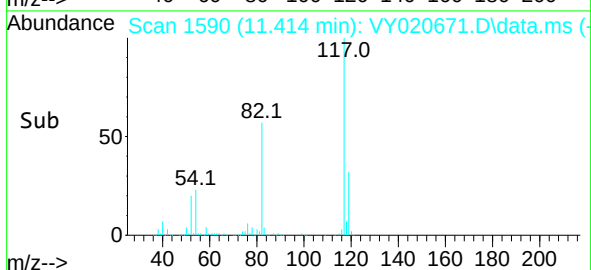
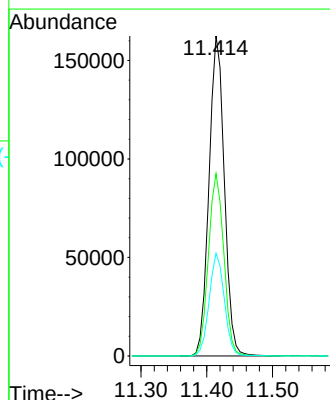
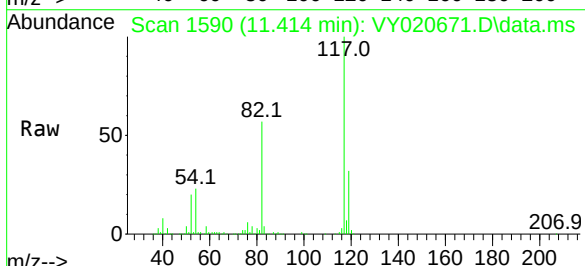
Tgt Ion: 117 Resp: 264293

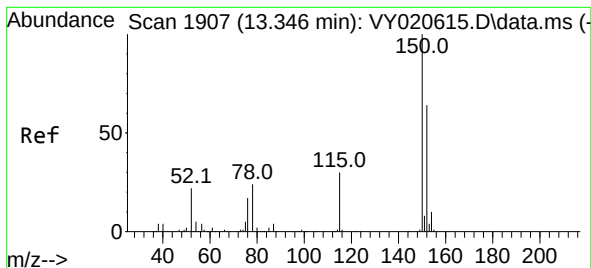
Ion Ratio Lower Upper

117 100

82 57.0 45.8 68.6

119 32.0 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: VY020671.D

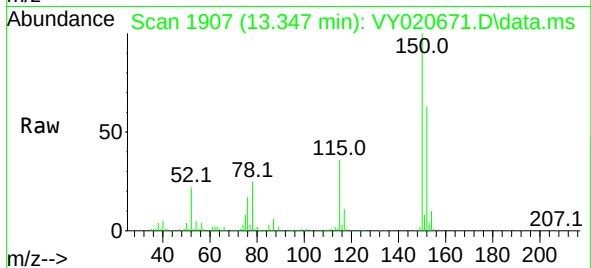
Acq: 20 Dec 2024 15:21

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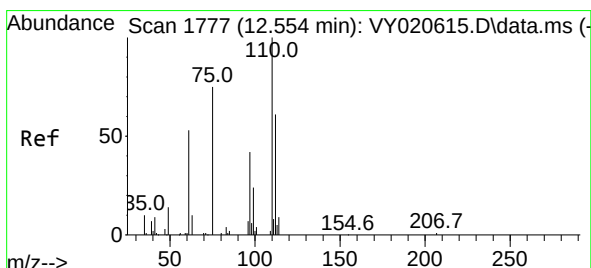
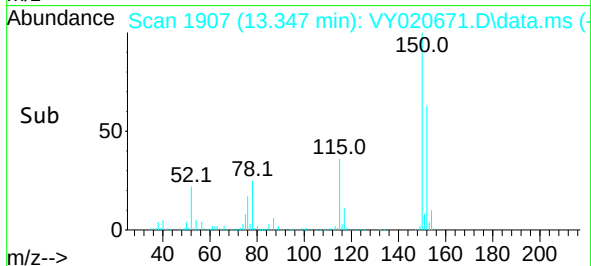
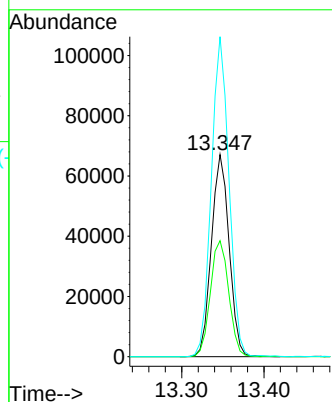
Tgt Ion:152 Resp: 100425

Ion Ratio Lower Upper

152 100

115 59.5 30.2 90.6

150 157.6 0.0 355.4



#76

1,2,3-Trichloropropane

Concen: 57.067 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY020671.D

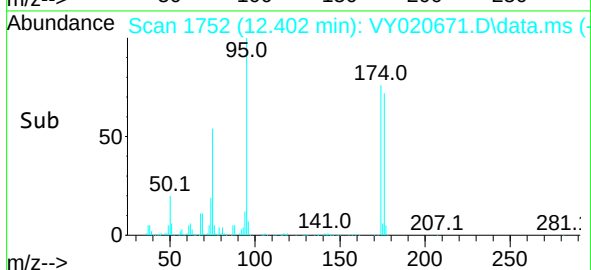
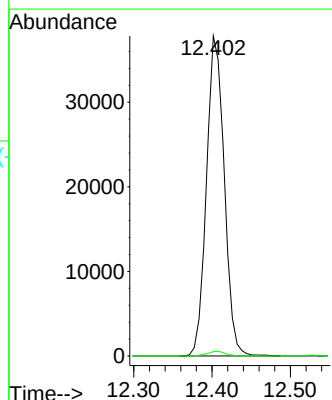
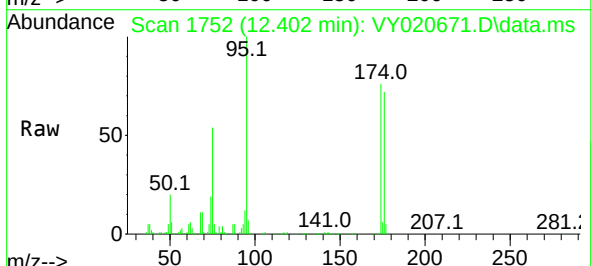
Acq: 20 Dec 2024 15:21

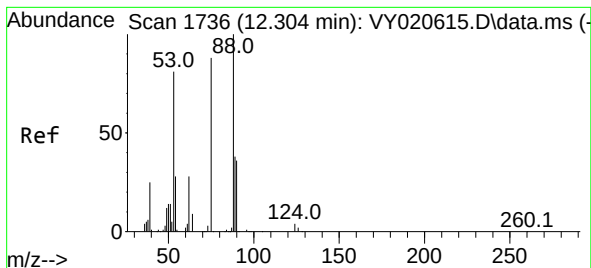
Tgt Ion: 75 Resp: 59534

Ion Ratio Lower Upper

75 100

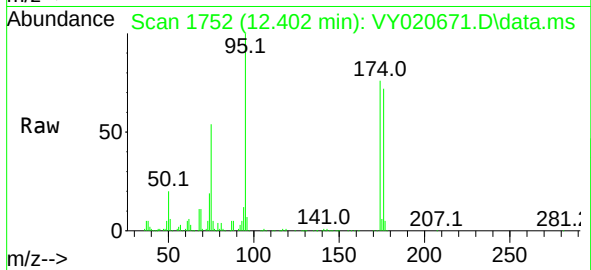
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.787 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY020671.D
 Acq: 20 Dec 2024 15:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 TT-304-IDWSO-20241217-3



Tgt Ion: 75 Resp: 59534
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.2#
 89 0.1 37.0 55.4#

