

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
 Data File : VY020718.D
 Acq On : 26 Dec 2024 15:41
 Operator : SY/MD
 Sample : P5316-01RE
 Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TT-304-IDWSO-20241217-1

Quant Time: Dec 27 00:33:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 26 16:12:28 2024
 Response via : Initial Calibration

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

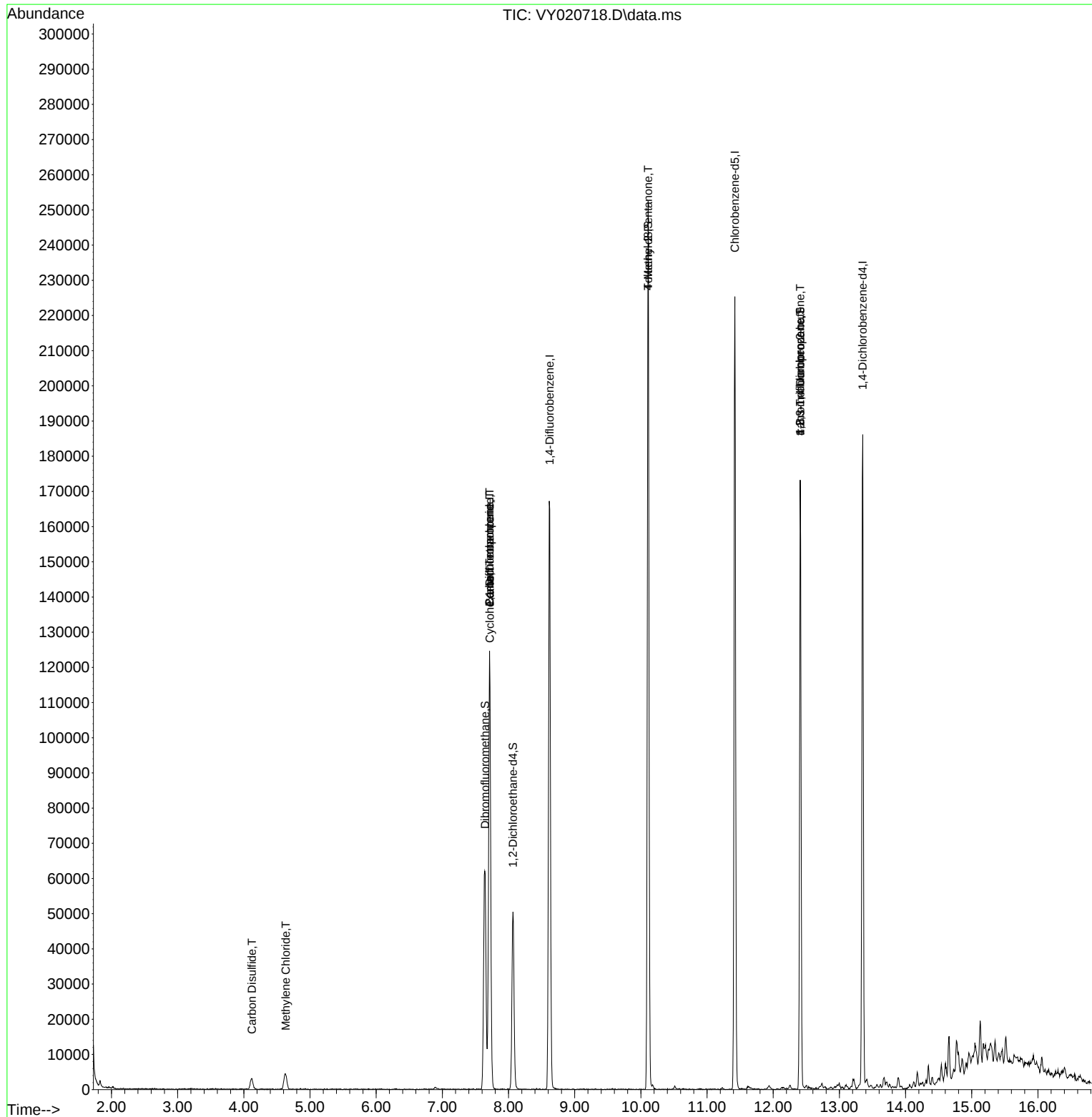
Internal Standards						
1) Pentafluorobenzene	7.713	168	93149	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.622	114	143334	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	120055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	47762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	44634	58.500	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.000%			
35) Dibromofluoromethane	7.646	113	43588	55.209	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.420%			
50) Toluene-d8	10.109	98	165584	52.647	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.300%			
62) 4-Bromofluorobenzene	12.408	95	49002	46.703	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 93.400%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.884	59	50	Below Cal	#	89
17) Carbon Disulfide	4.122	76	6498	4.161	ug/l	96
20) Methylene Chloride	4.635	84	3595	5.711	ug/l	89
31) Cyclohexane	7.719	56	1774	1.810	ug/l #	57
36) 1,1-Dichloropropene	7.713	75	6583	6.312	ug/l #	52
38) Carbon Tetrachloride	7.713	117	9836	5.728	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	666	1.889	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	28165	92.717	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	28165	183.266	ug/l #	8

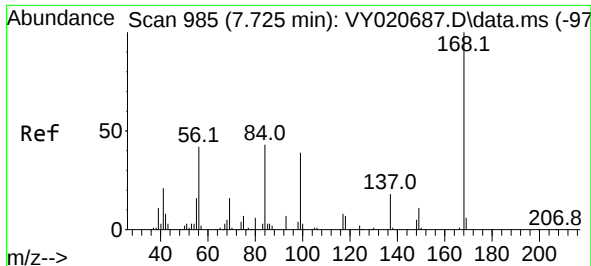
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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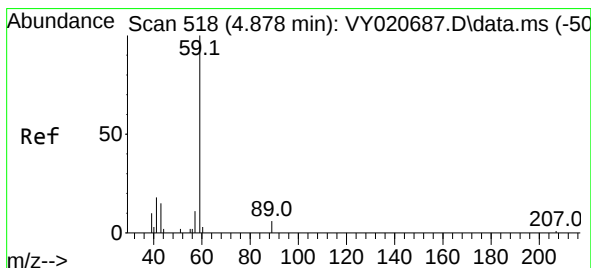
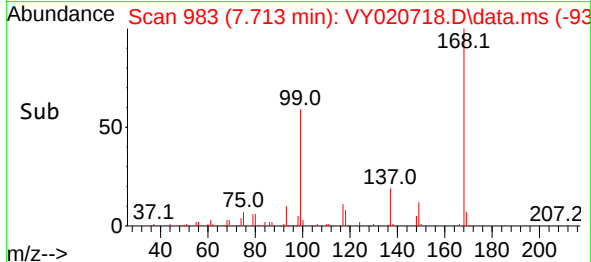
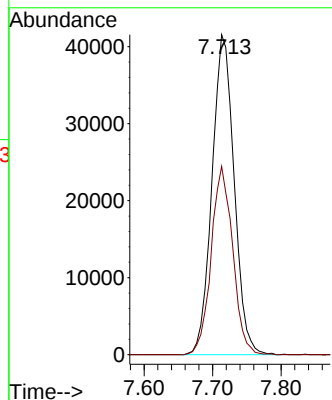
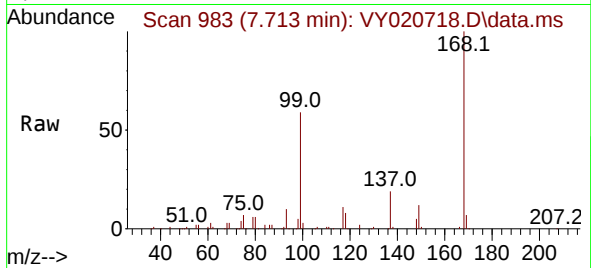




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. -0.012 min
Lab File: VY020718.D
Acq: 26 Dec 2024 15:41

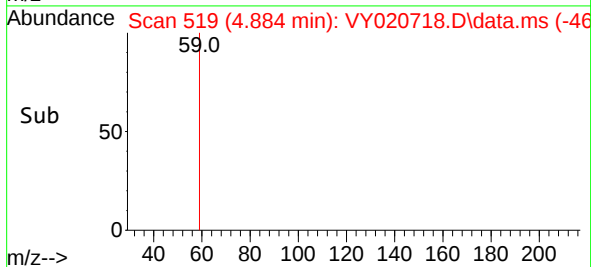
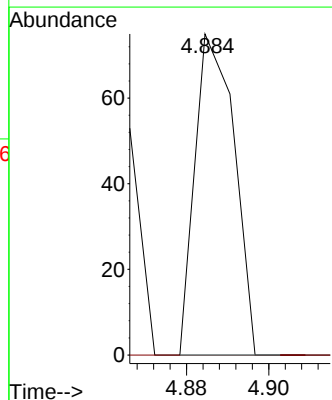
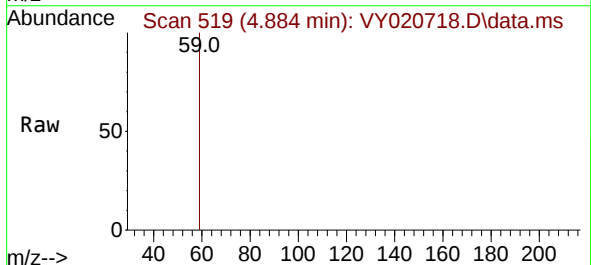
Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1

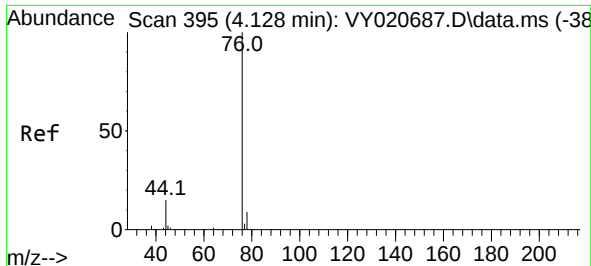
Tgt Ion:168 Resp: 93149
Ion Ratio Lower Upper
168 100
99 58.8 43.8 65.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.884 min Scan# 519
Delta R.T. 0.006 min
Lab File: VY020718.D
Acq: 26 Dec 2024 15:41

Tgt Ion: 59 Resp: 50
Ion Ratio Lower Upper
59 100
57 0.0 2.8 4.2#





#17

Carbon Disulfide

Concen: 4.161 ug/l

RT: 4.122 min Scan# 394

Delta R.T. -0.006 min

Lab File: VY020718.D

Acq: 26 Dec 2024 15:41

Instrument :

MSVOA_Y

ClientSampleId :

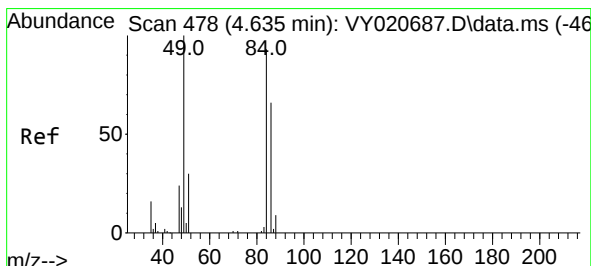
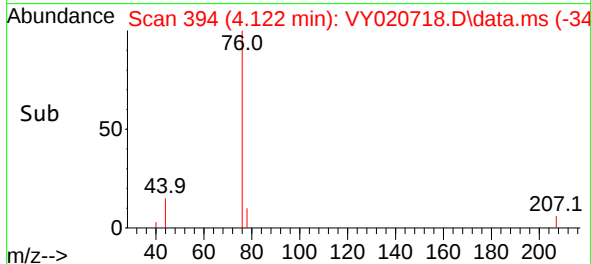
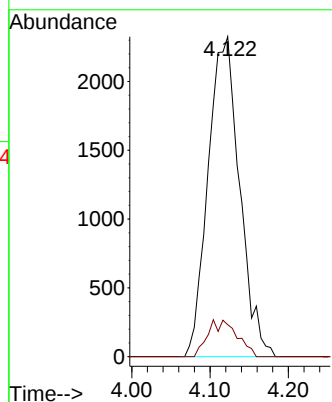
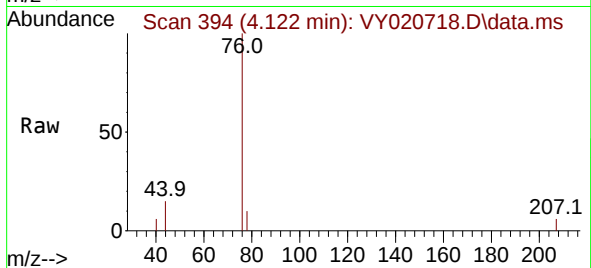
TT-304-IDWSO-20241217-1

Tgt Ion: 76 Resp: 6498

Ion Ratio Lower Upper

76 100

78 10.0 6.9 10.3



#20

Methylene Chloride

Concen: 5.711 ug/l

RT: 4.635 min Scan# 478

Delta R.T. -0.000 min

Lab File: VY020718.D

Acq: 26 Dec 2024 15:41

Tgt Ion: 84 Resp: 3595

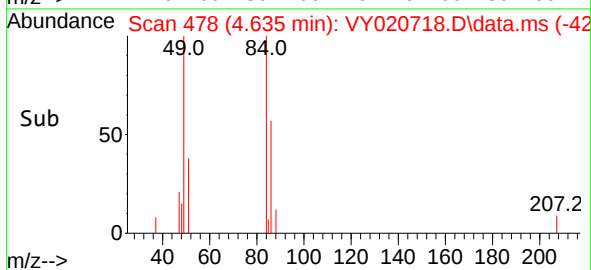
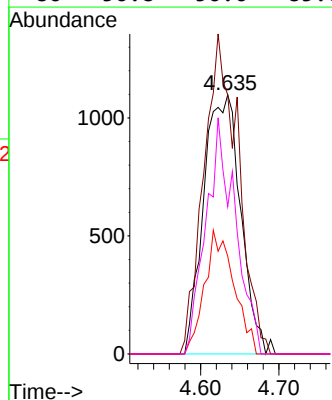
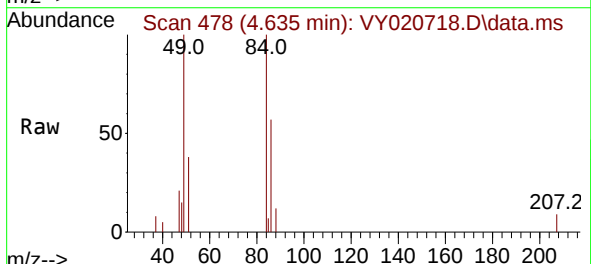
Ion Ratio Lower Upper

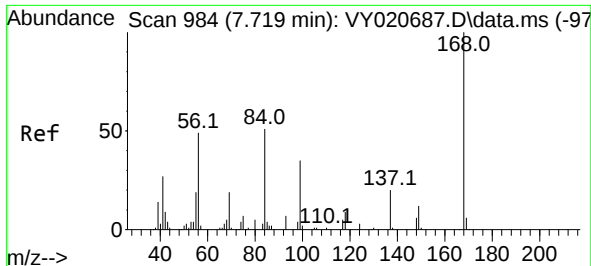
84 100

49 100.0 86.4 129.6

51 37.7 25.5 38.3

86 56.8 56.6 85.0

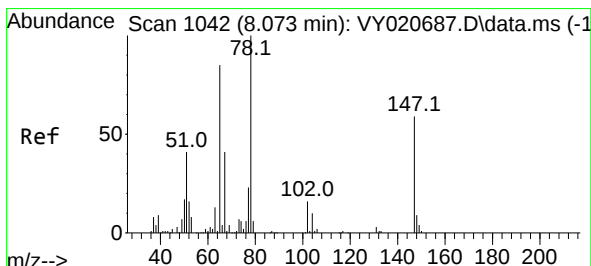
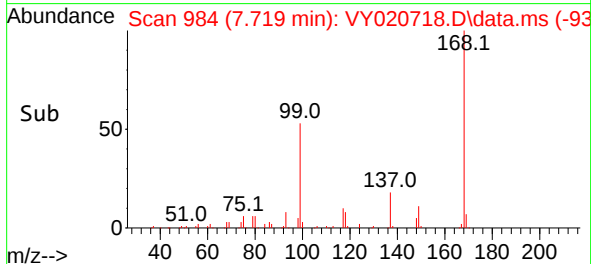
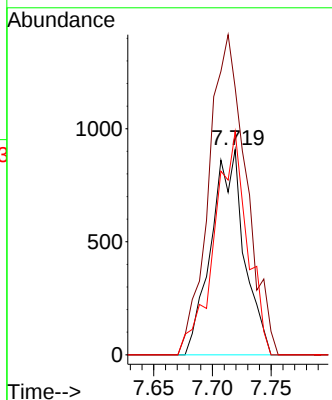
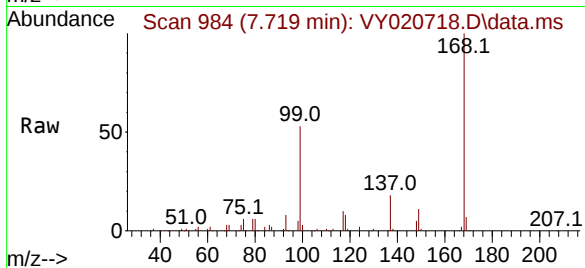




#31
Cyclohexane
Concen: 1.810 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020718.D
Acq: 26 Dec 2024 15:41

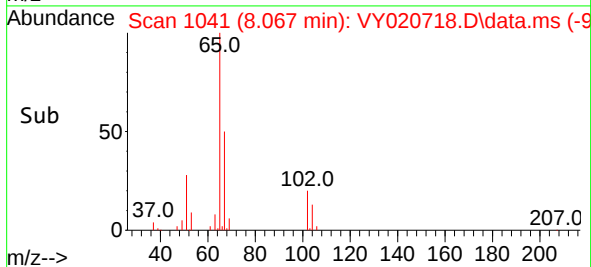
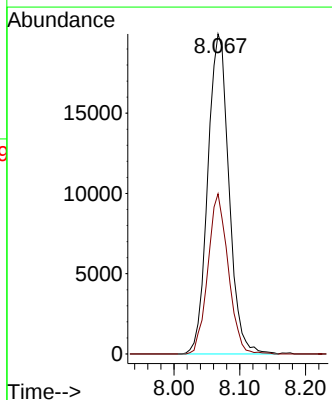
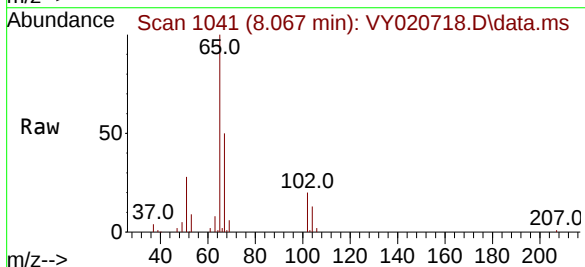
Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1

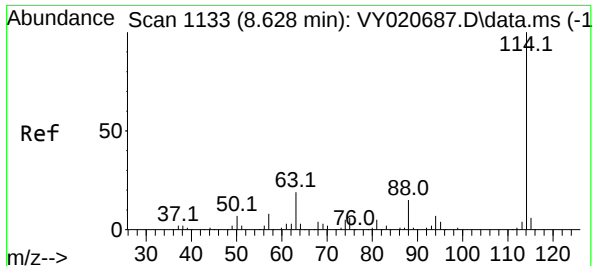
Tgt Ion: 56 Resp: 1774
Ion Ratio Lower Upper
56 100
69 130.2 31.3 46.9#
84 108.7 83.9 125.9



#33
1,2-Dichloroethane-d4
Concen: 58.500 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY020718.D
Acq: 26 Dec 2024 15:41

Tgt Ion: 65 Resp: 44634
Ion Ratio Lower Upper
65 100
67 48.1 0.0 98.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1133

Delta R.T. -0.006 min

Lab File: VY020718.D

Acq: 26 Dec 2024 15:41

Instrument :

MSVOA_Y

ClientSampleId :

TT-304-IDWSO-20241217-1

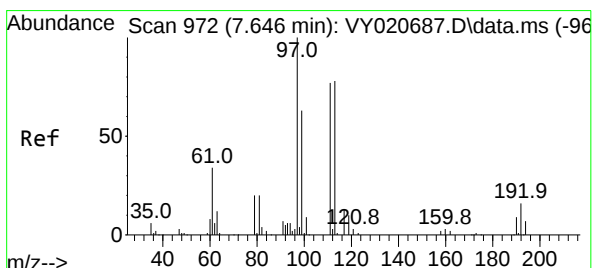
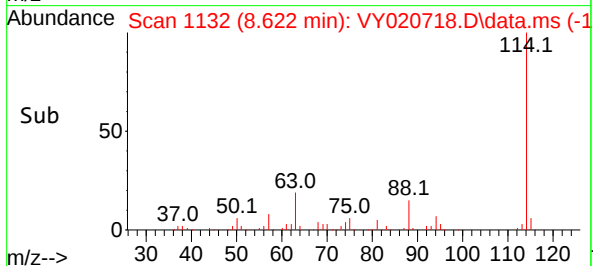
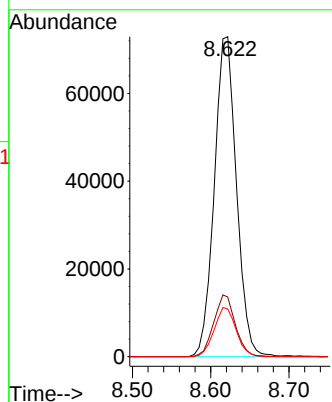
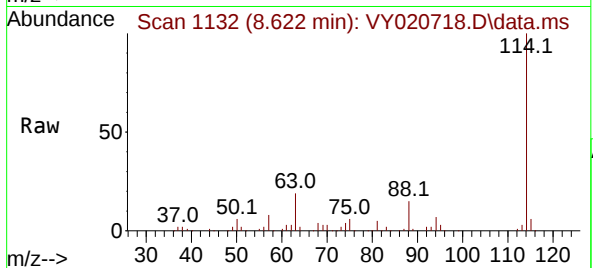
Tgt Ion:114 Resp: 143334

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

88 14.9 0.0 30.4



#35

Dibromofluoromethane

Concen: 55.209 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.000 min

Lab File: VY020718.D

Acq: 26 Dec 2024 15:41

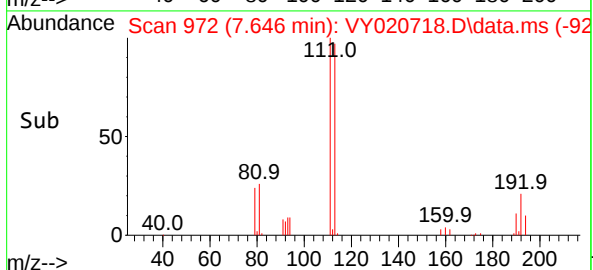
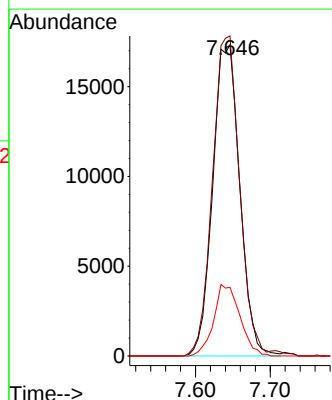
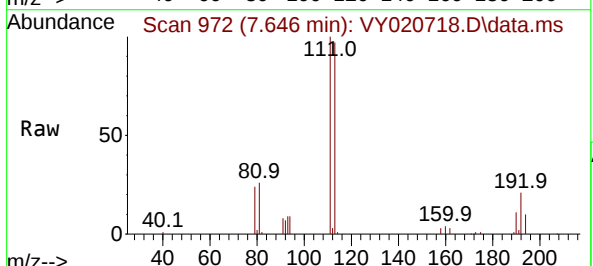
Tgt Ion:113 Resp: 43588

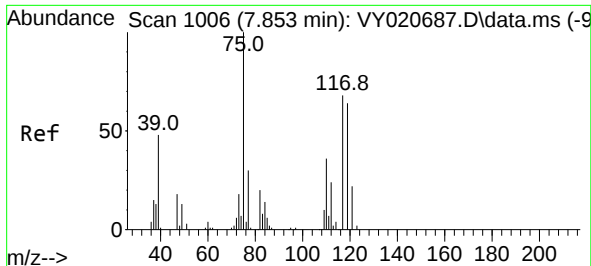
Ion Ratio Lower Upper

113 100

111 103.5 79.8 119.8

192 22.3 17.0 25.6





#36

1,1-Dichloropropene

Concen: 6.312 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.140 min

Lab File: VY020718.D

Acq: 26 Dec 2024 15:41

Instrument :

MSVOA_Y

ClientSampleId :

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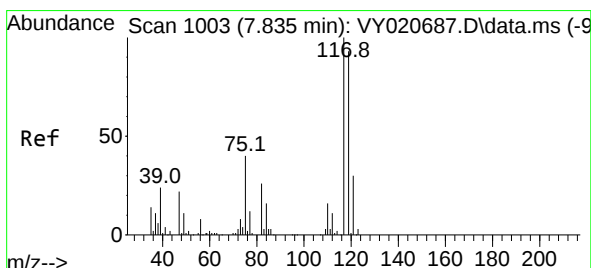
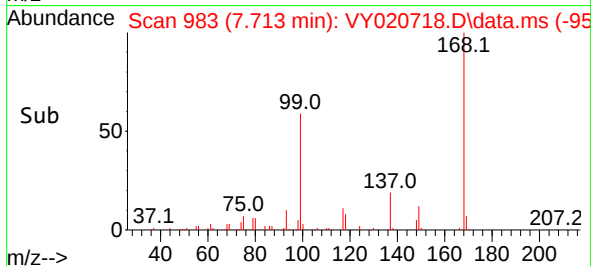
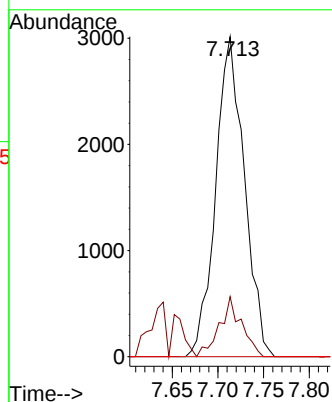
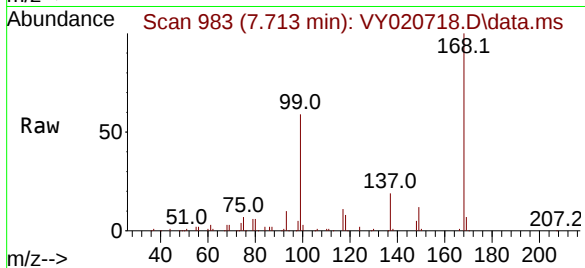
Tgt Ion: 75 Resp: 6583

Ion Ratio Lower Upper

75 100

110 14.4 19.6 58.7#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.728 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY020718.D

Acq: 26 Dec 2024 15:41

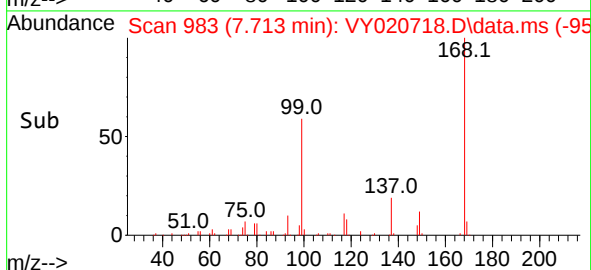
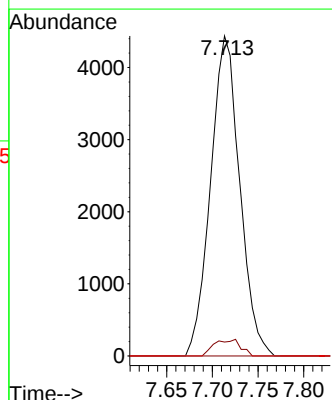
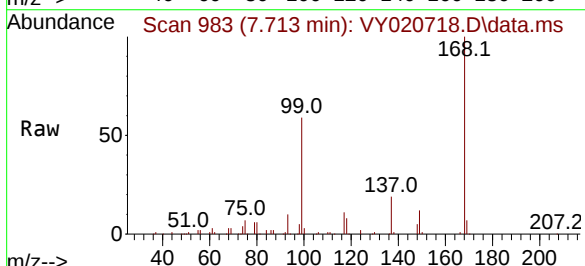
Tgt Ion: 117 Resp: 9836

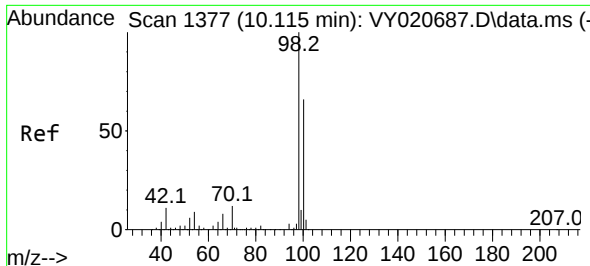
Ion Ratio Lower Upper

117 100

119 4.3 74.4 111.6#

121 0.0 24.2 36.2#

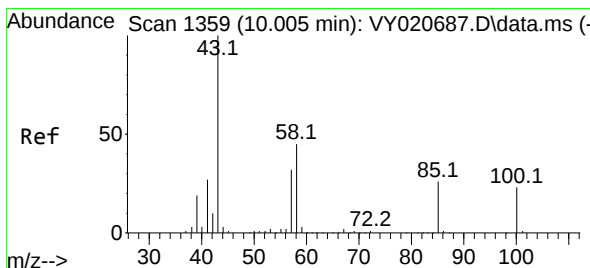
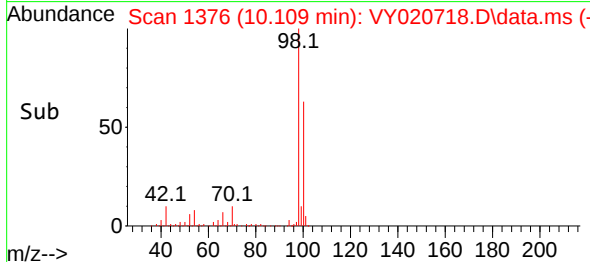
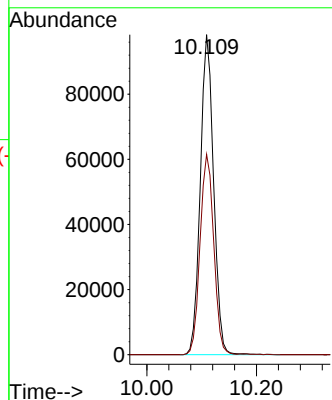
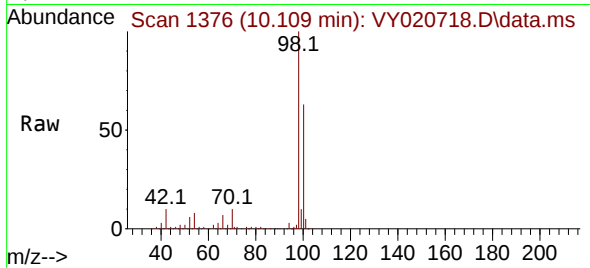




#50
Toluene-d8
Concen: 52.647 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020718.D
Acq: 26 Dec 2024 15:41

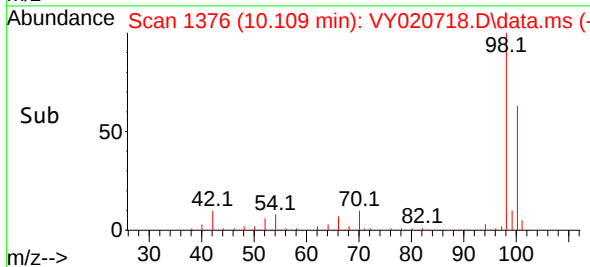
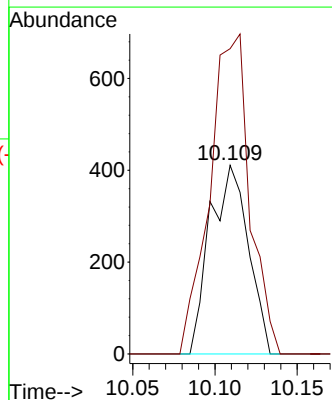
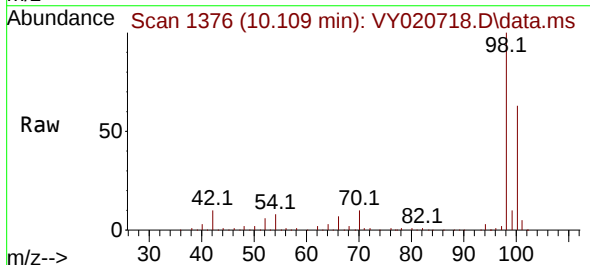
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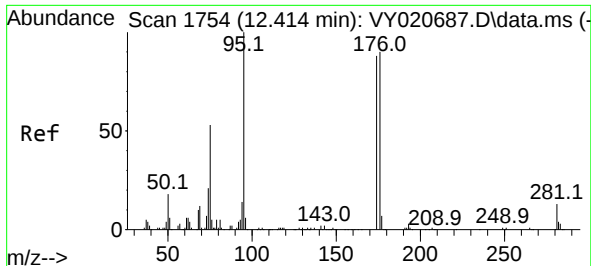
Tgt Ion: 98 Resp: 165584
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.889 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.104 min
Lab File: VY020718.D
Acq: 26 Dec 2024 15:41

Tgt Ion: 43 Resp: 666
Ion Ratio Lower Upper
43 100
58 176.9 35.1 52.7#

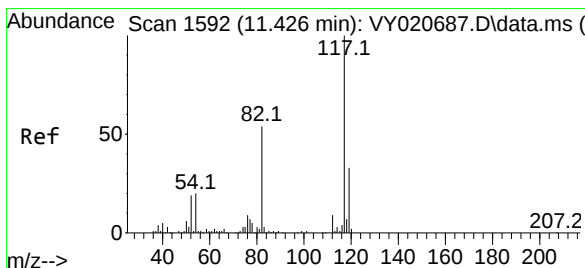
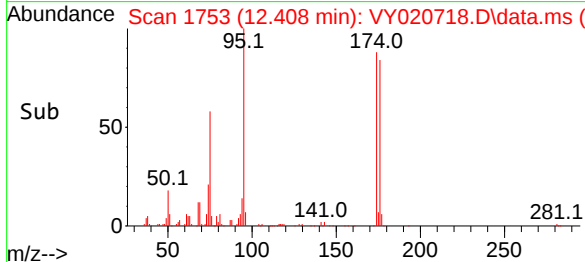
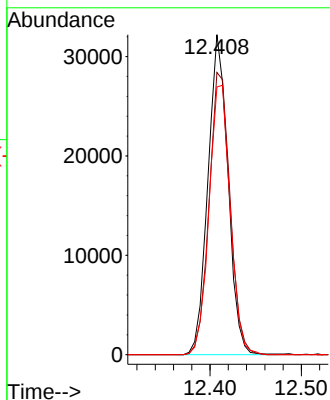
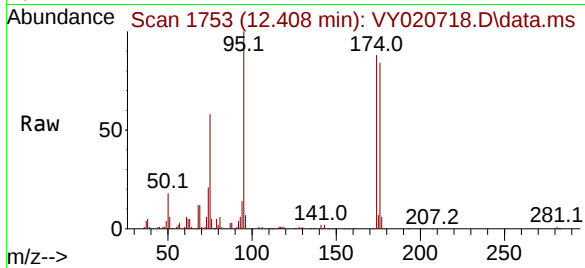




#62
4-Bromofluorobenzene
Concen: 46.703 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020718.D
Acq: 26 Dec 2024 15:41

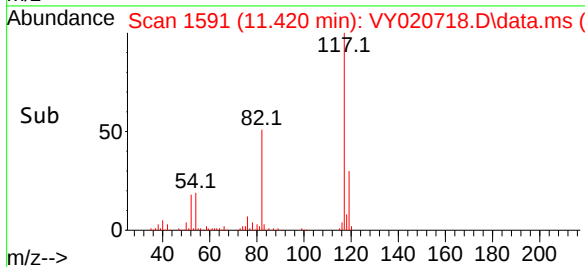
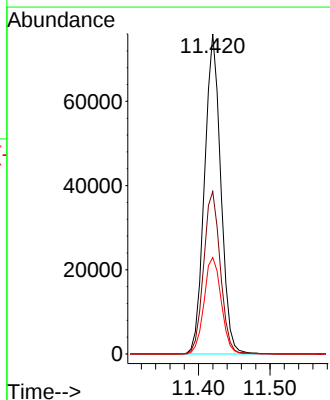
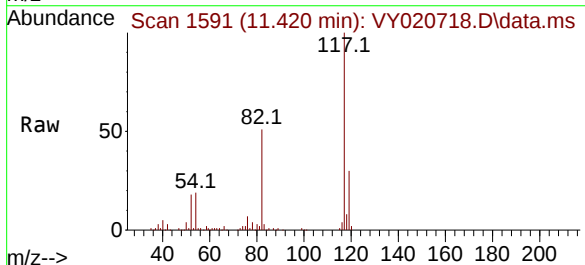
Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1

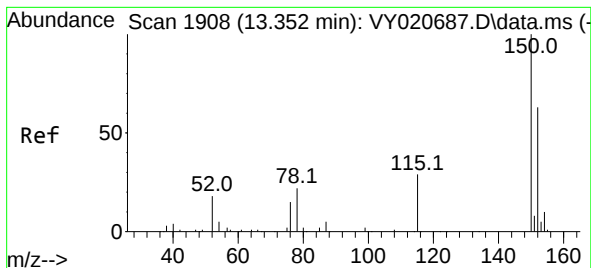
Tgt Ion:	95	Resp:	49002
Ion	Ratio	Lower	Upper
95	100		
174	92.3	0.0	179.2
176	89.1	0.0	179.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.006 min
Lab File: VY020718.D
Acq: 26 Dec 2024 15:41

Tgt Ion:	117	Resp:	120055
Ion	Ratio	Lower	Upper
117	100		
82	50.8	43.4	65.2
119	30.2	26.6	39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY020718.D

Acq: 26 Dec 2024 15:41

Instrument :

MSVOA_Y

ClientSampleId :

TT-304-IDWSO-20241217-1

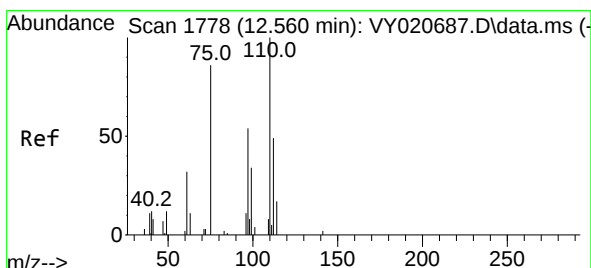
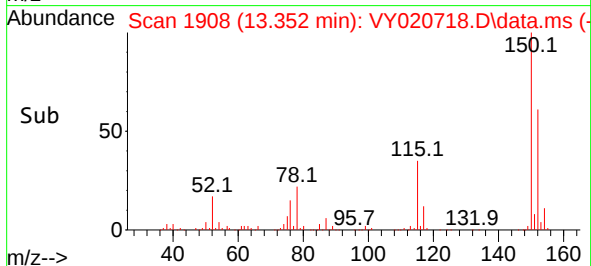
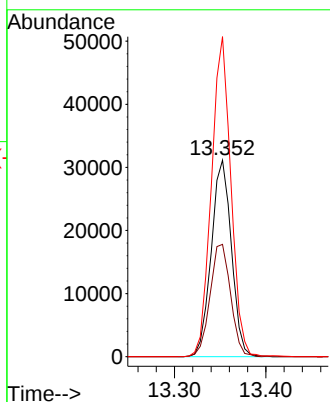
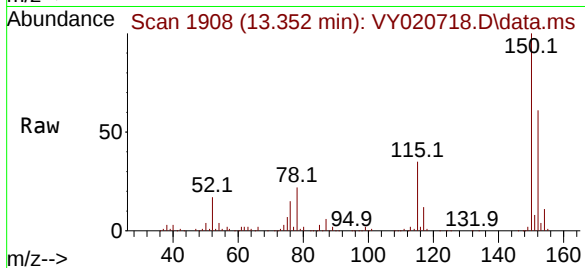
Tgt Ion:152 Resp: 47762

Ion Ratio Lower Upper

152 100

115 58.3 30.3 90.9

150 157.5 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 92.717 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY020718.D

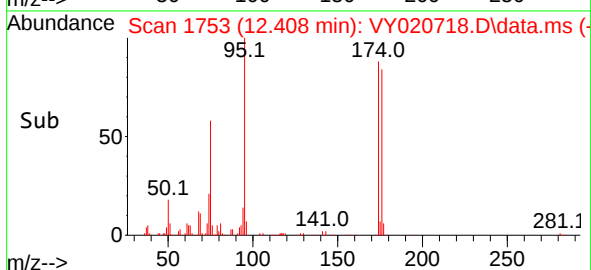
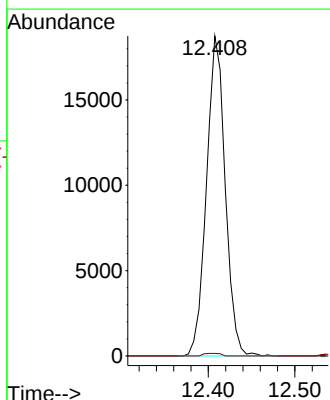
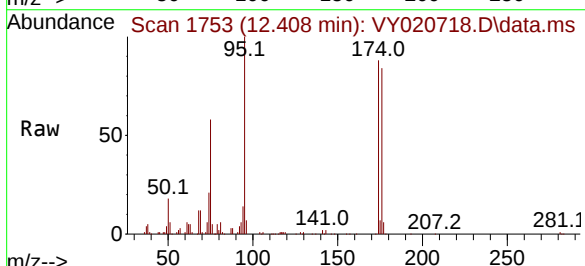
Acq: 26 Dec 2024 15:41

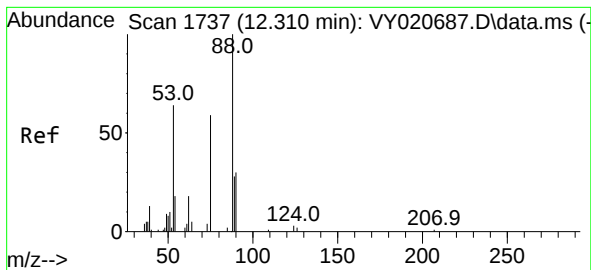
Tgt Ion: 75 Resp: 28165

Ion Ratio Lower Upper

75 100

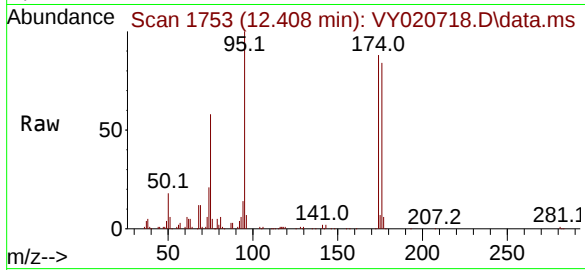
77 0.7 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 183.266 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY020718.D
Acq: 26 Dec 2024 15:41

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	83.1	124.7#
89	0.0	40.6	61.0#

