

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091724\
 Data File : VY019579.D
 Acq On : 17 Sep 2024 12:41
 Operator : SY/MD
 Sample : P3930-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 18 01:31:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

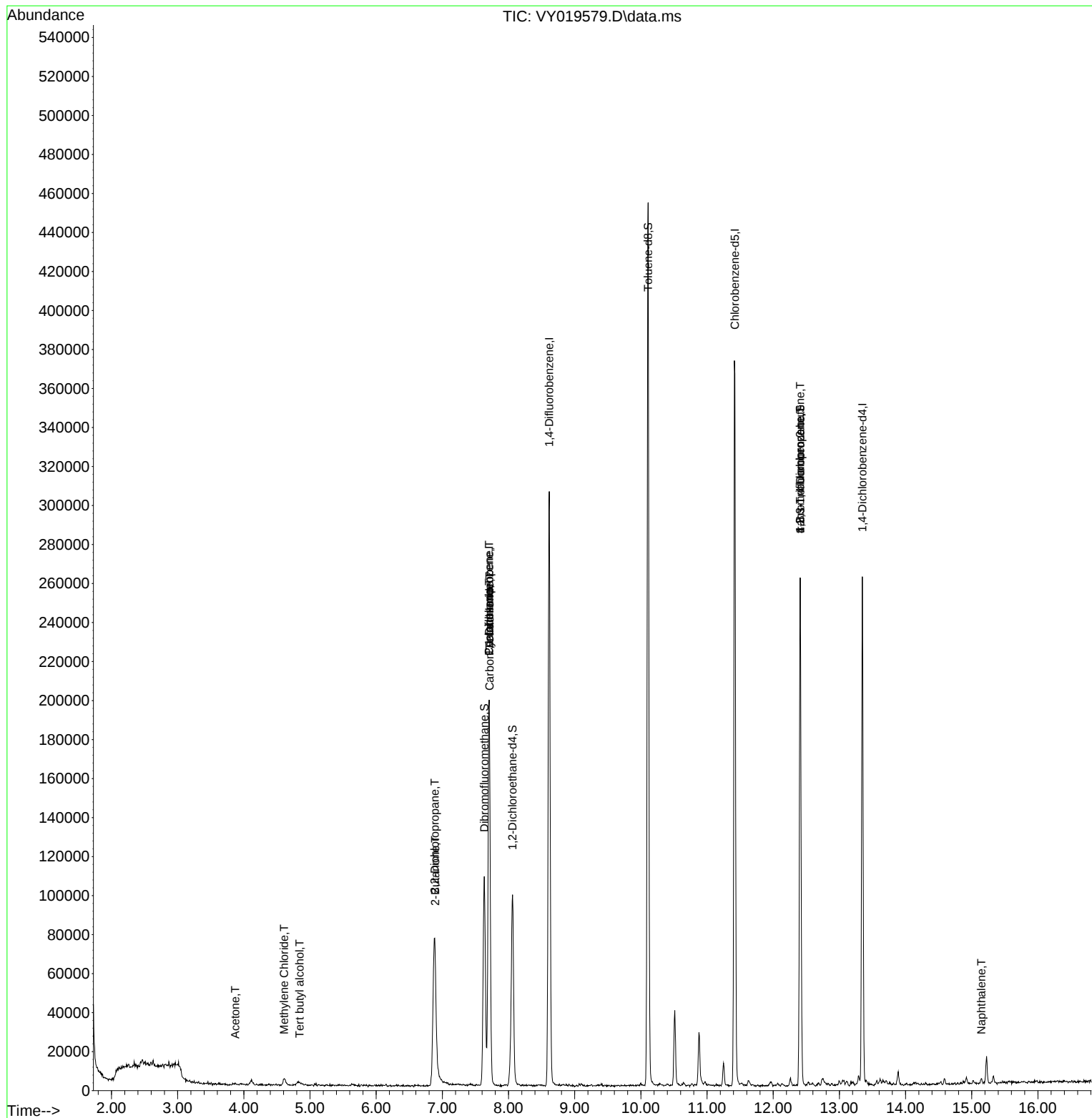
Internal Standards						
1) Pentafluorobenzene	7.707	168	150025	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	261338	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	198729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	61223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	72544	52.220	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.440%	
35) Dibromofluoromethane	7.634	113	77690	52.432	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.860%	
50) Toluene-d8	10.109	98	294191	53.679	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.360%	
62) 4-Bromofluorobenzene	12.408	95	78483	37.243	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 74.480%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.105	85	89	Below Cal	#	43
11) Tert butyl alcohol	4.842	59	1647	14.681	ug/l #	71
13) Acrolein	3.635	56	101	Below Cal	#	1
16) Acetone	3.873	43	2077	6.276	ug/l #	77
20) Methylene Chloride	4.610	84	2826	1.872	ug/l	93
25) 2-Butanone	6.890	43	4785	10.166	ug/l #	66
26) 2,2-Dichloropropane	6.884	77	6421	2.588	ug/l #	51
31) Cyclohexane	7.707	56	3964	1.594	ug/l #	55
36) 1,1-Dichloropropene	7.707	75	12834	6.365	ug/l #	49
38) Carbon Tetrachloride	7.713	117	16203	7.126	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	42756	74.509	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	42756	143.036	ug/l #	16
95) Naphthalene	15.145	128	2415	1.161	ug/l #	94

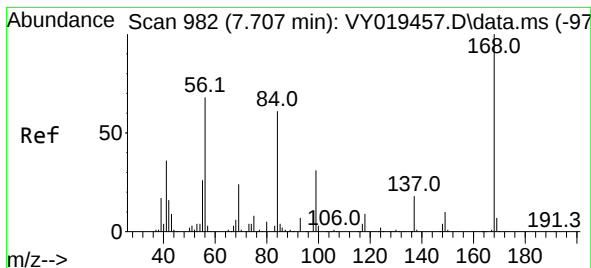
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY019579.D

Acq: 17 Sep 2024 12:41

Instrument :

MSVOA_Y

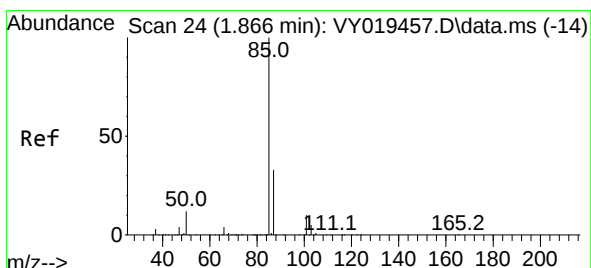
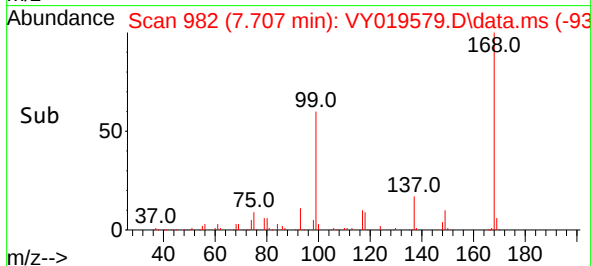
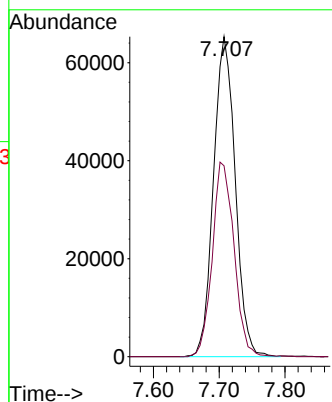
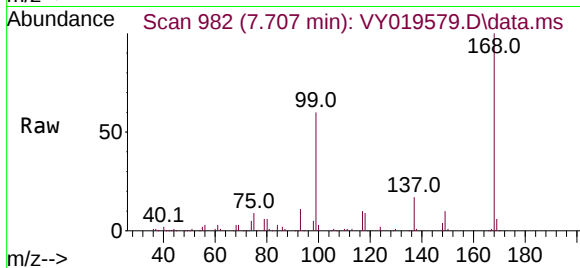
ClientSampleId :

Tgt Ion:168 Resp: 150025

Ion Ratio Lower Upper

168 100

99 59.6 39.1 58.7#



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.105 min Scan# 63

Delta R.T. 0.239 min

Lab File: VY019579.D

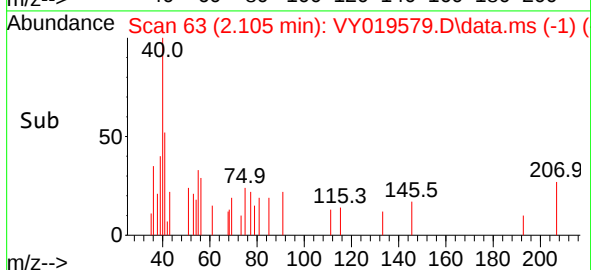
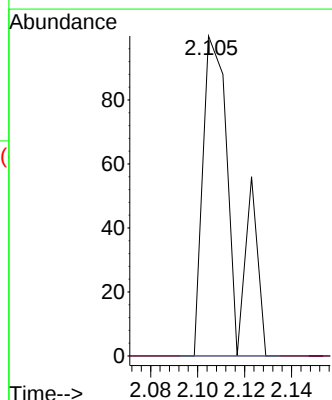
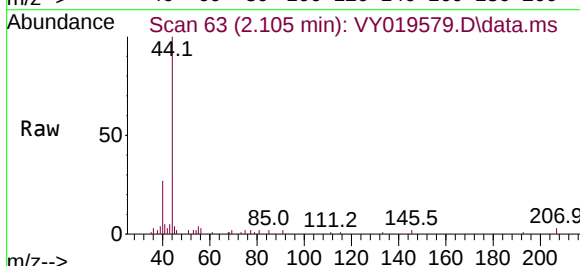
Acq: 17 Sep 2024 12:41

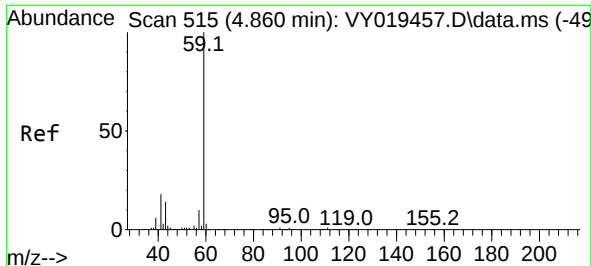
Tgt Ion: 85 Resp: 89

Ion Ratio Lower Upper

85 100

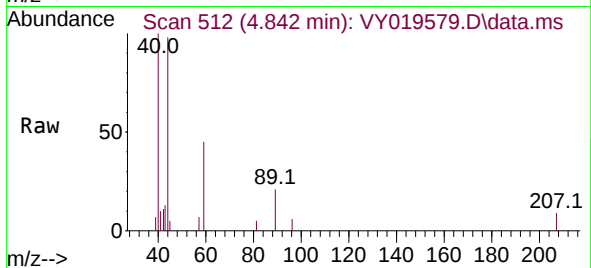
87 0.0 16.0 48.0#



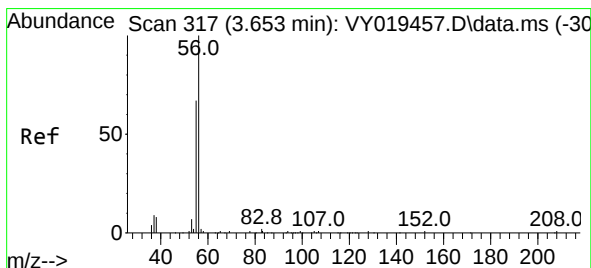
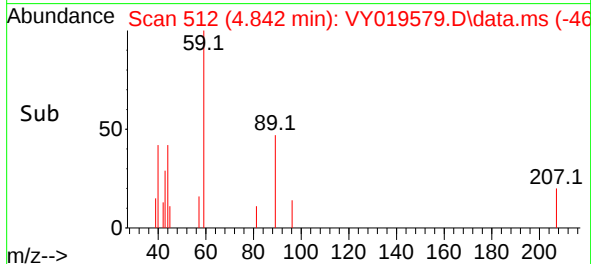
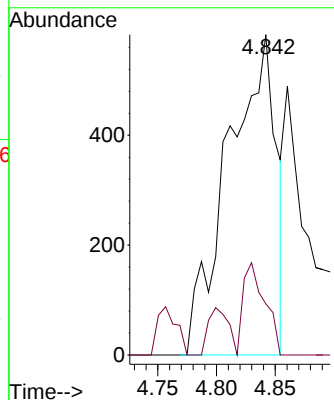


#11
Tert butyl alcohol
Concen: 14.681 ug/l
RT: 4.842 min Scan# 51
Delta R.T. -0.018 min
Lab File: VY019579.D
Acq: 17 Sep 2024 12:41

Instrument :
MSVOA_Y
ClientSampleId :

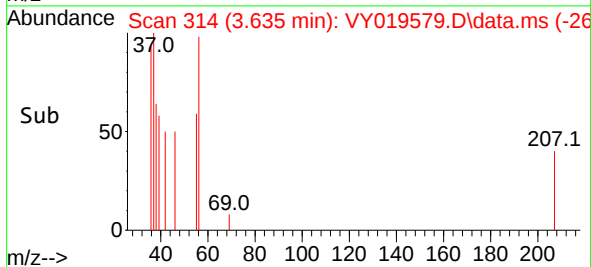
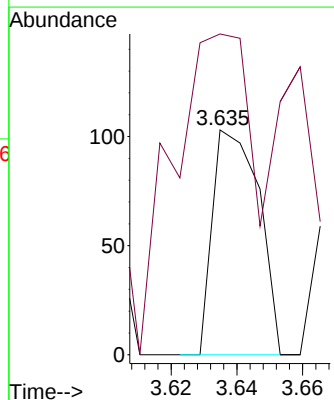
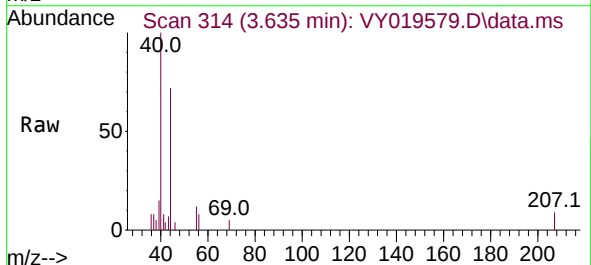


Tgt Ion: 59 Resp: 1647
Ion Ratio Lower Upper
59 100
57 13.2 3.0 4.6#



#13
Acrolein
Concen: Below Cal
RT: 3.635 min Scan# 314
Delta R.T. -0.018 min
Lab File: VY019579.D
Acq: 17 Sep 2024 12:41

Tgt Ion: 56 Resp: 101
Ion Ratio Lower Upper
56 100
55 243.6 55.7 83.5#

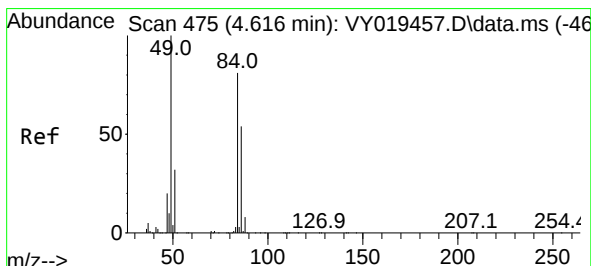
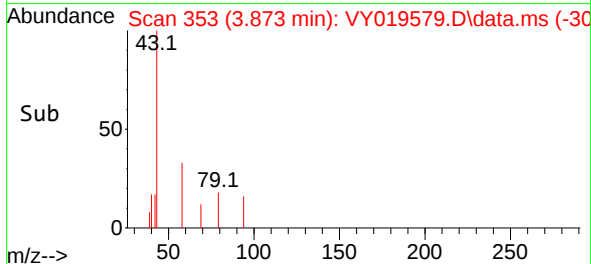
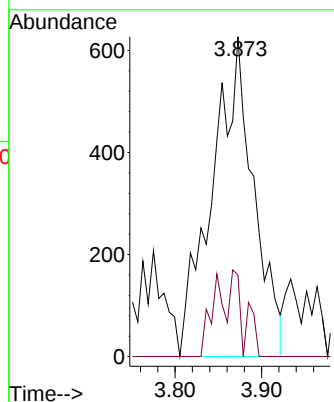
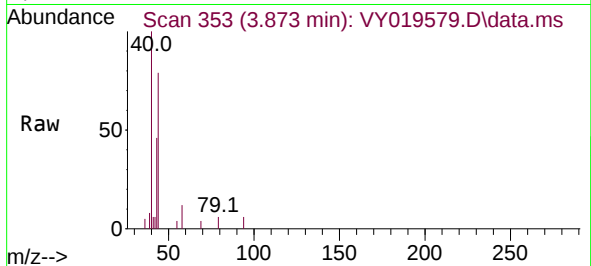




#16
Acetone
Concen: 6.276 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY019579.D
Acq: 17 Sep 2024 12:41

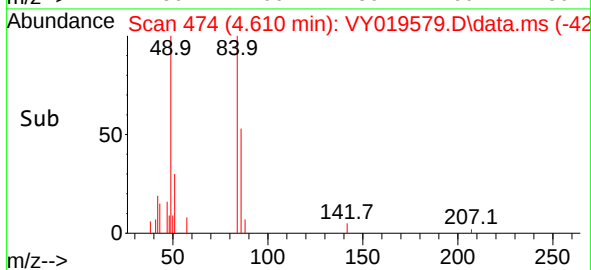
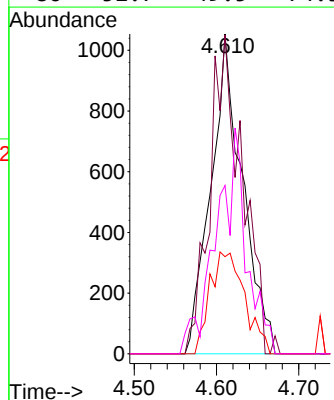
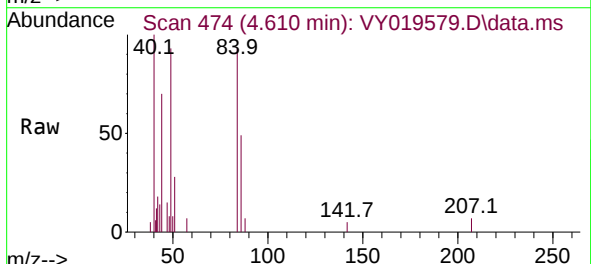
Instrument :
MSVOA_Y
ClientSampleId :

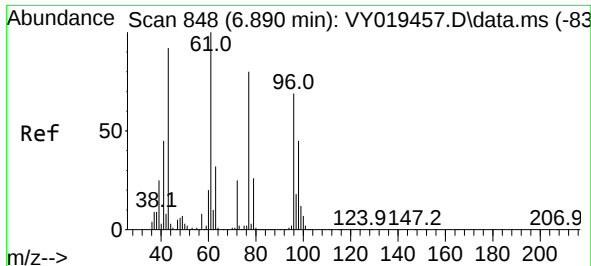
Tgt Ion: 43 Resp: 2077
Ion Ratio Lower Upper
43 100
58 25.5 31.7 47.5#



#20
Methylene Chloride
Concen: 1.872 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY019579.D
Acq: 17 Sep 2024 12:41

Tgt Ion: 84 Resp: 2826
Ion Ratio Lower Upper
84 100
49 99.7 84.4 126.6
51 30.4 26.0 39.0
86 52.7 49.5 74.3





#25

2-Butanone

Concen: 10.166 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

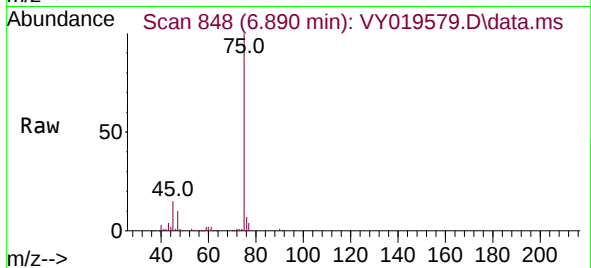
Lab File: VY019579.D

Acq: 17 Sep 2024 12:41

Instrument :

MSVOA_Y

ClientSampleId :

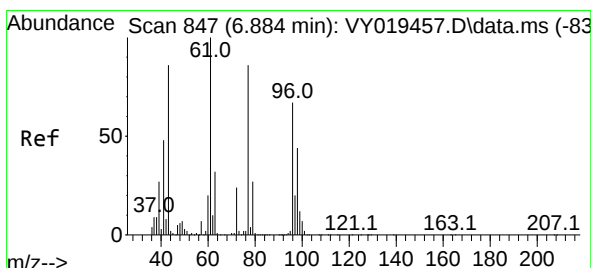
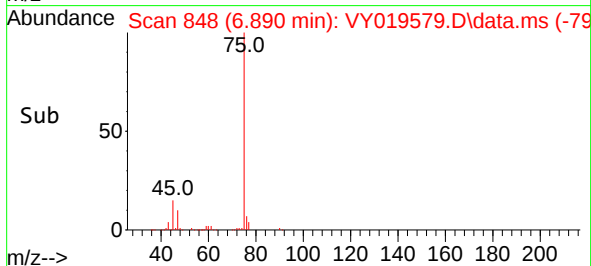
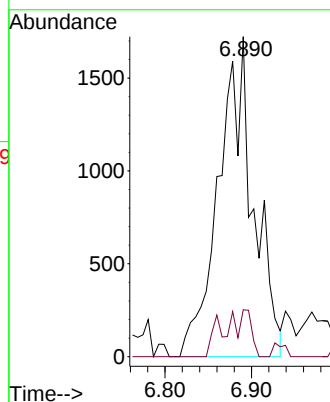


Tgt Ion: 43 Resp: 4785

Ion Ratio Lower Upper

43 100

72 14.6 27.3 40.9#



#26

2,2-Dichloropropane

Concen: 2.588 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY019579.D

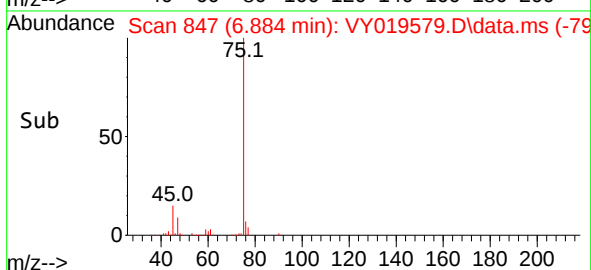
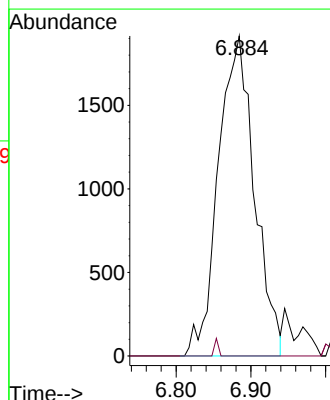
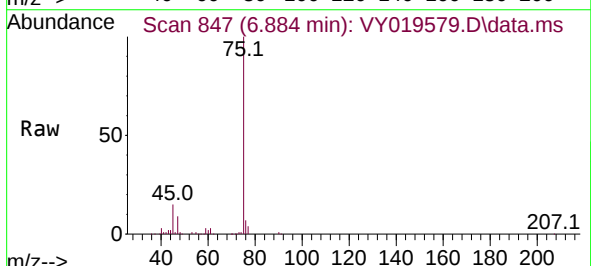
Acq: 17 Sep 2024 12:41

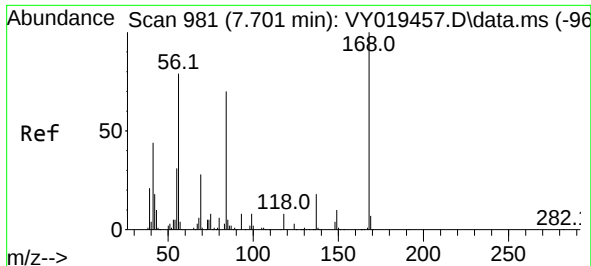
Tgt Ion: 77 Resp: 6421

Ion Ratio Lower Upper

77 100

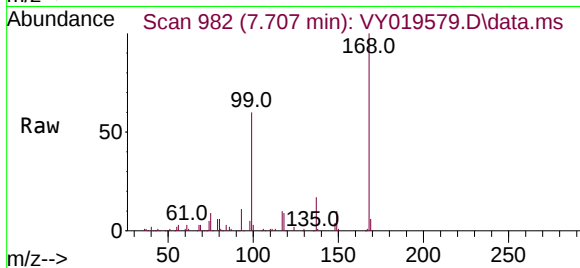
97 0.0 12.0 36.1#



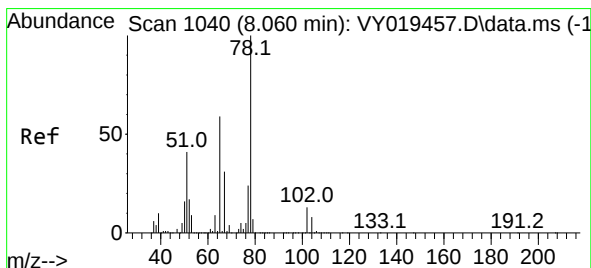
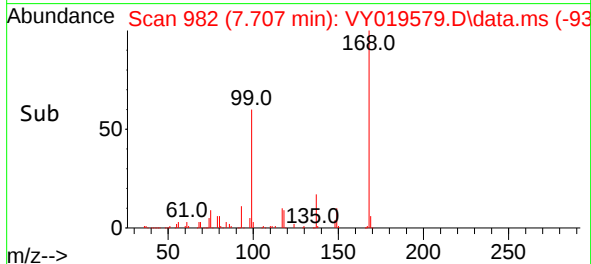
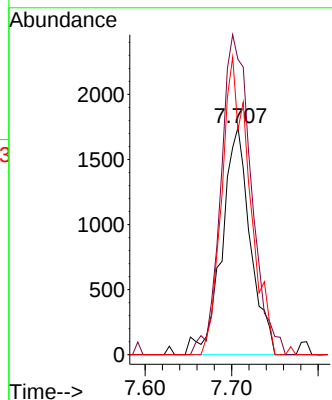


#31
Cyclohexane
Concen: 1.594 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY019579.D
Acq: 17 Sep 2024 12:41

Instrument :
MSVOA_Y
ClientSampleId :

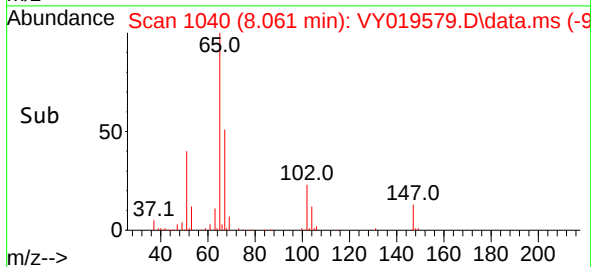
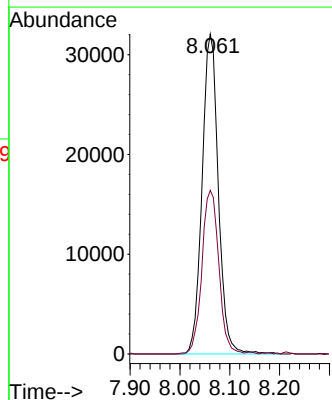
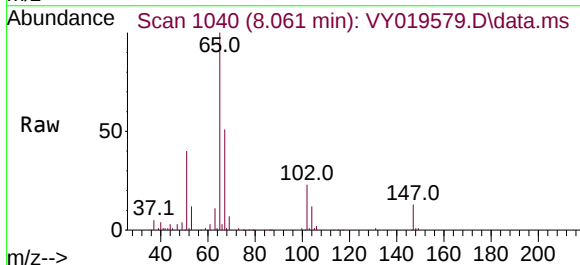


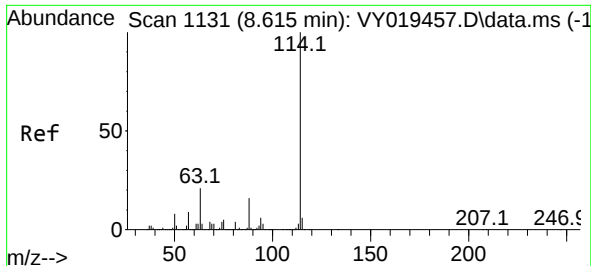
Tgt Ion: 56 Resp: 3964
Ion Ratio Lower Upper
56 100
69 129.8 28.7 43.1#
84 99.0 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 52.220 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019579.D
Acq: 17 Sep 2024 12:41

Tgt Ion: 65 Resp: 72544
Ion Ratio Lower Upper
65 100
67 53.1 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

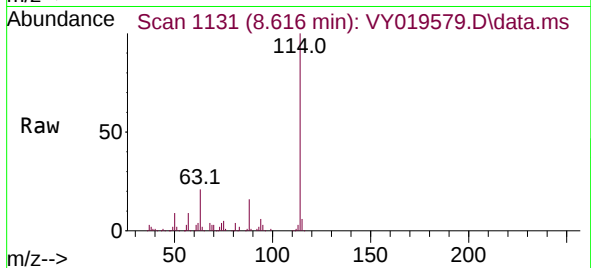
Lab File: VY019579.D

Acq: 17 Sep 2024 12:41

Instrument :

MSVOA_Y

ClientSampleId :



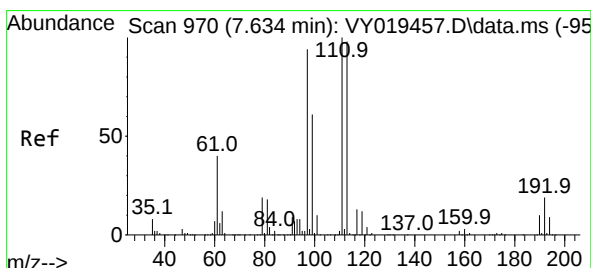
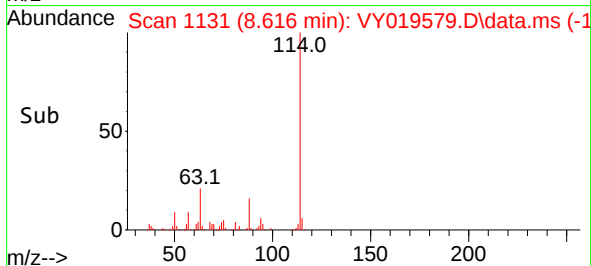
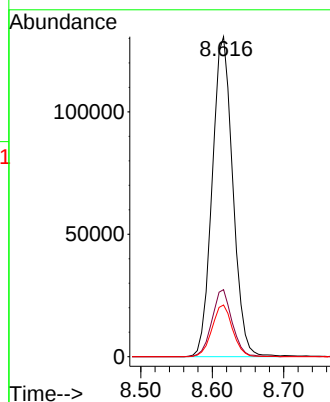
Tgt Ion:114 Resp: 261338

Ion Ratio Lower Upper

114 100

63 20.9 0.0 35.0

88 16.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 52.432 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY019579.D

Acq: 17 Sep 2024 12:41

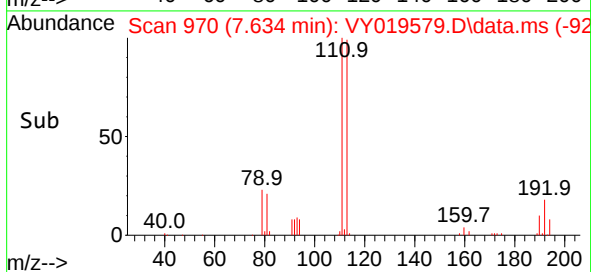
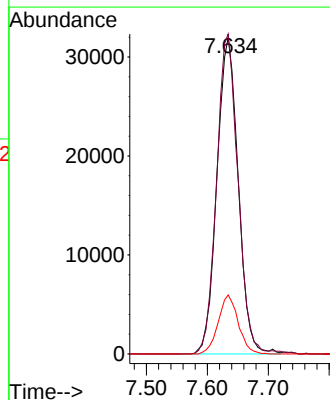
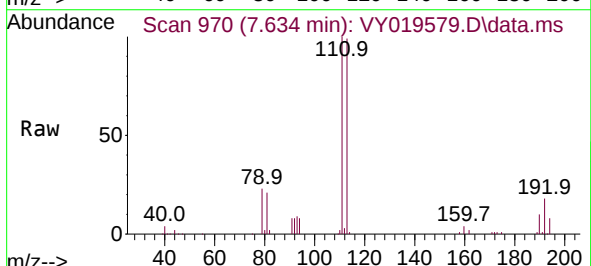
Tgt Ion:113 Resp: 77690

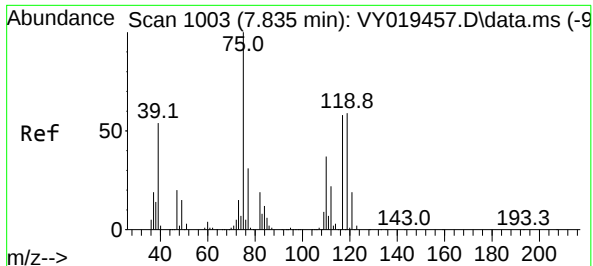
Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

192 17.5 15.9 23.9

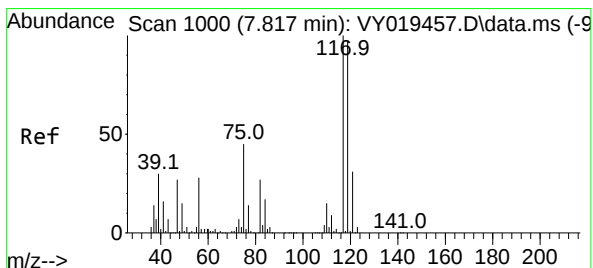
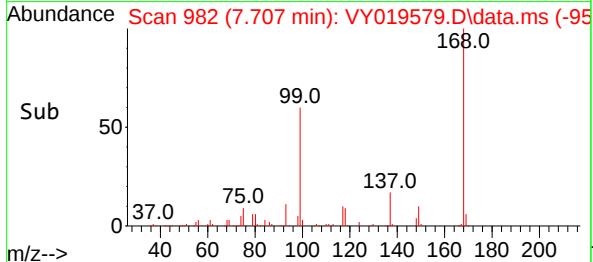
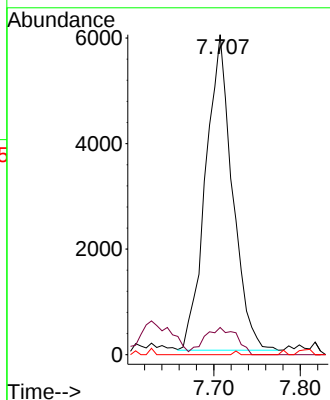
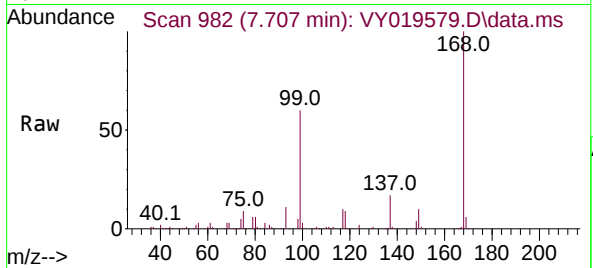




#36
1,1-Dichloropropene
Concen: 6.365 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY019579.D
Acq: 17 Sep 2024 12:41

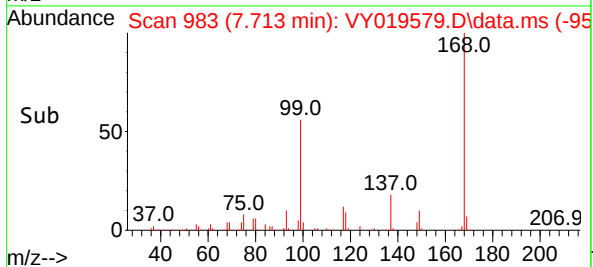
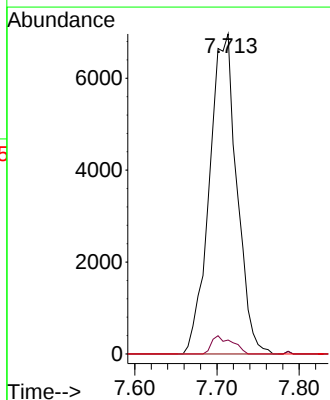
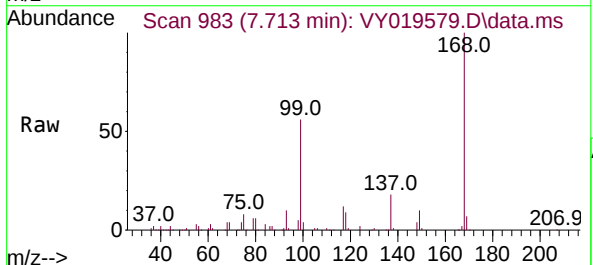
Instrument :
MSVOA_Y
ClientSampleId :

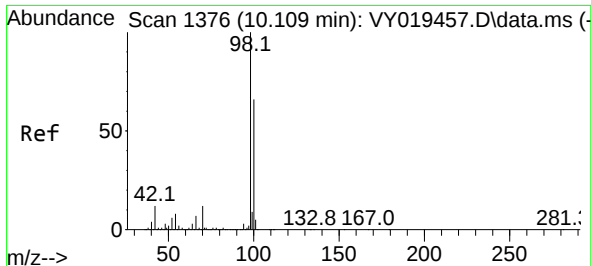
Tgt Ion: 75 Resp: 12834
Ion Ratio Lower Upper
75 100
110 10.3 19.0 57.0#
77 0.2 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 7.126 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.103 min
Lab File: VY019579.D
Acq: 17 Sep 2024 12:41

Tgt Ion: 117 Resp: 16203
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.6#
121 0.0 24.0 36.0#

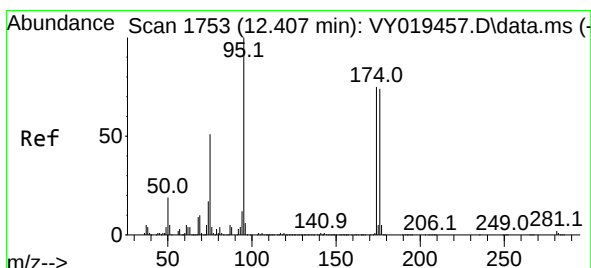
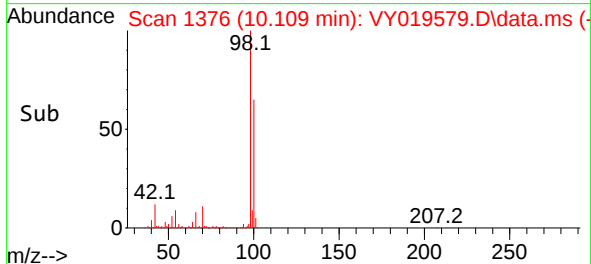
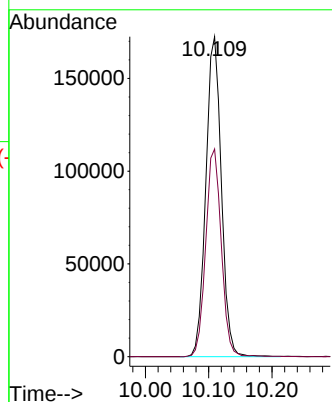
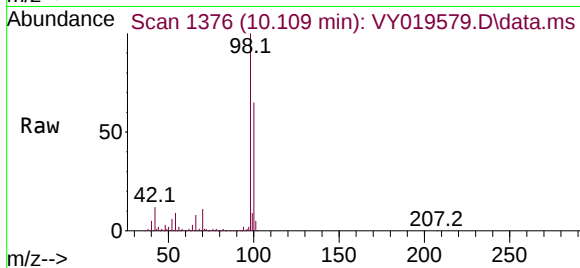




#50
Toluene-d8
Concen: 53.679 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019579.D
Acq: 17 Sep 2024 12:41

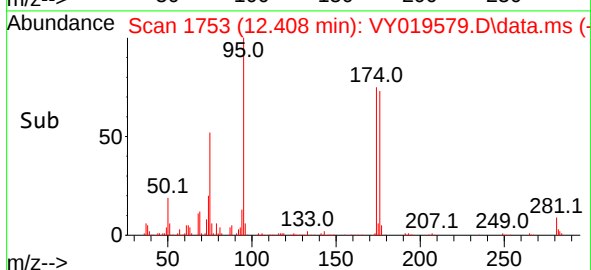
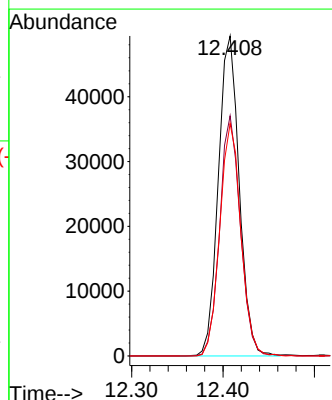
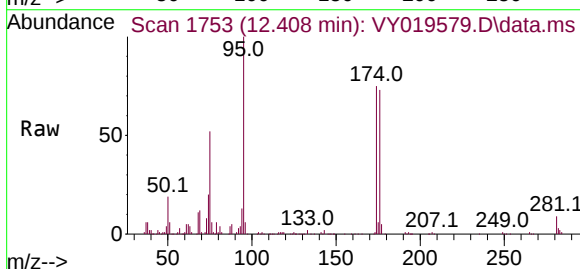
Instrument :
MSVOA_Y
ClientSampleId :

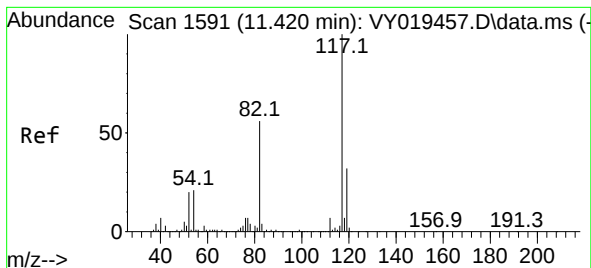
Tgt Ion: 98 Resp: 294191
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 37.243 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019579.D
Acq: 17 Sep 2024 12:41

Tgt Ion: 95 Resp: 78483
Ion Ratio Lower Upper
95 100
174 74.1 0.0 175.6
176 73.2 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019579.D

Acq: 17 Sep 2024 12:41

Instrument :

MSVOA_Y

ClientSampleId :

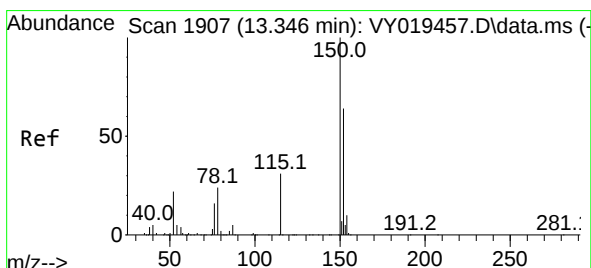
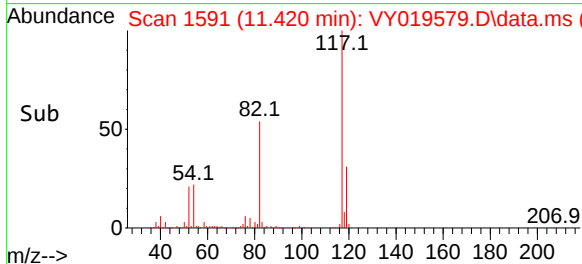
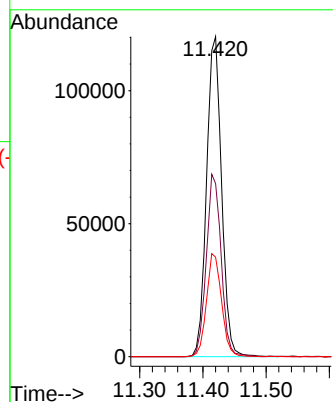
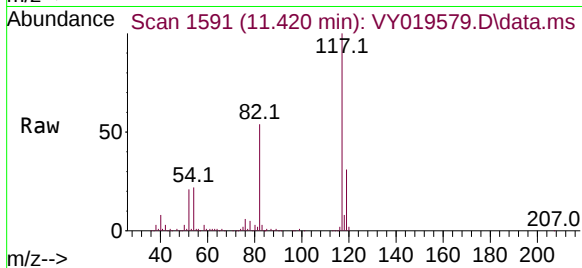
Tgt Ion:117 Resp: 198729

Ion Ratio Lower Upper

117 100

82 54.1 42.4 63.6

119 31.1 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019579.D

Acq: 17 Sep 2024 12:41

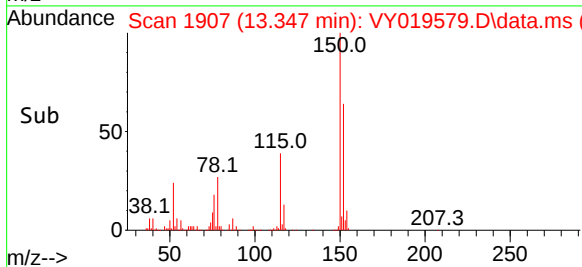
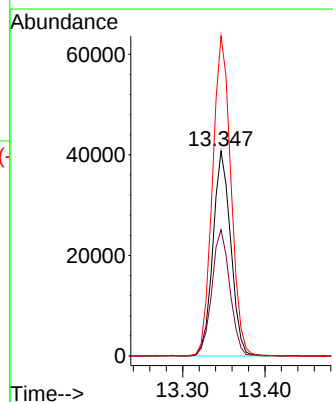
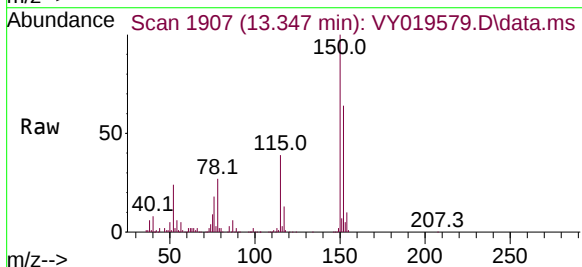
Tgt Ion:152 Resp: 61223

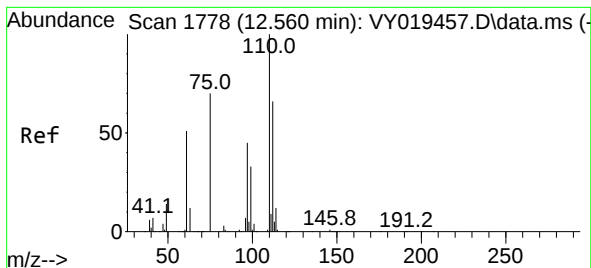
Ion Ratio Lower Upper

152 100

115 62.2 28.2 84.7

150 161.6 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 74.509 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019579.D

Acq: 17 Sep 2024 12:41

Instrument :

MSVOA_Y

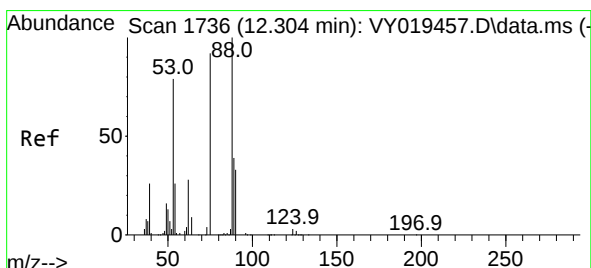
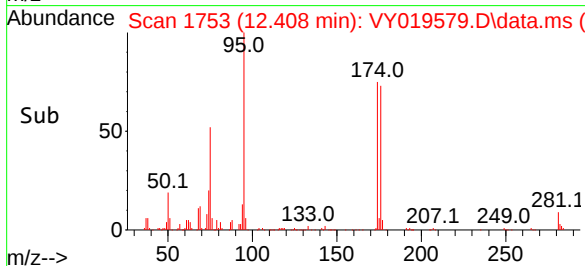
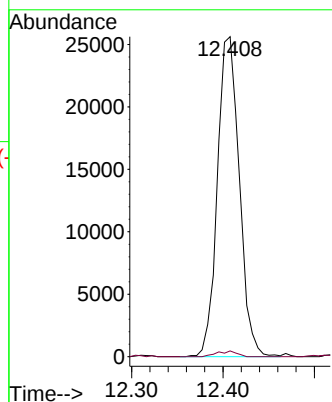
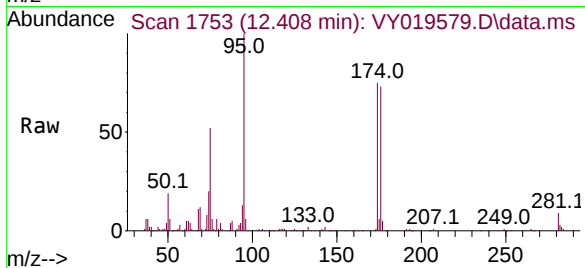
ClientSampleId :

Tgt Ion: 75 Resp: 42756

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 143.036 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY019579.D

Acq: 17 Sep 2024 12:41

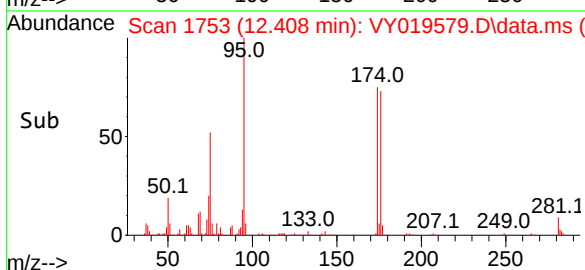
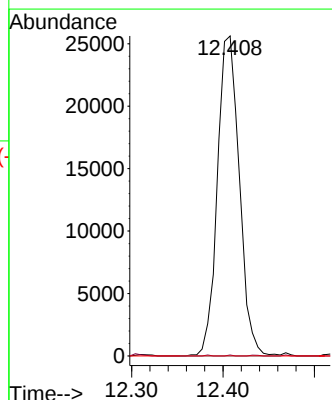
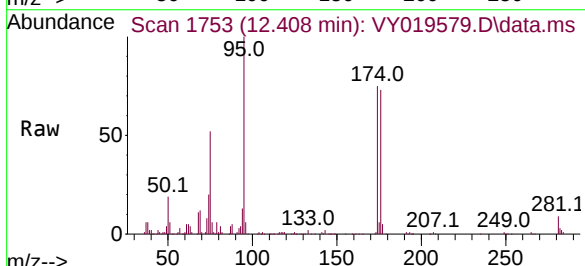
Tgt Ion: 75 Resp: 42756

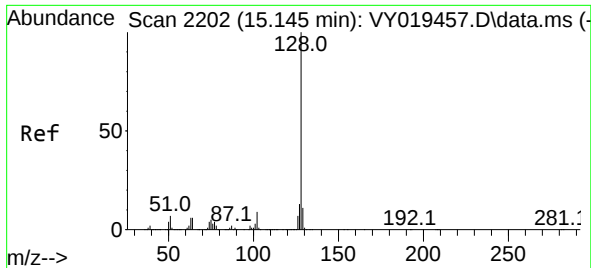
Ion Ratio Lower Upper

75 100

53 0.1 66.8 100.2#

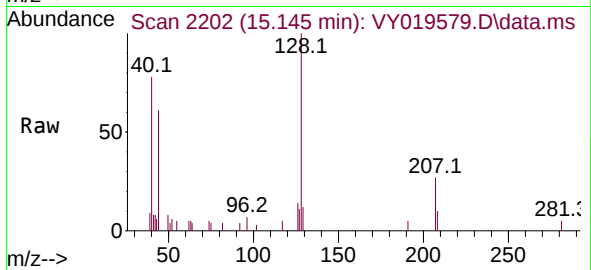
89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 1.161 ug/l
RT: 15.145 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY019579.D
Acq: 17 Sep 2024 12:41

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 2415
Ion Ratio Lower Upper
128 100
127 11.0 10.6 16.0
129 8.1 8.6 13.0#

