

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091624\
 Data File : VY019557.D
 Acq On : 16 Sep 2024 10:33
 Operator : SY/MD
 Sample : VY0916SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 17 02:11:28 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)

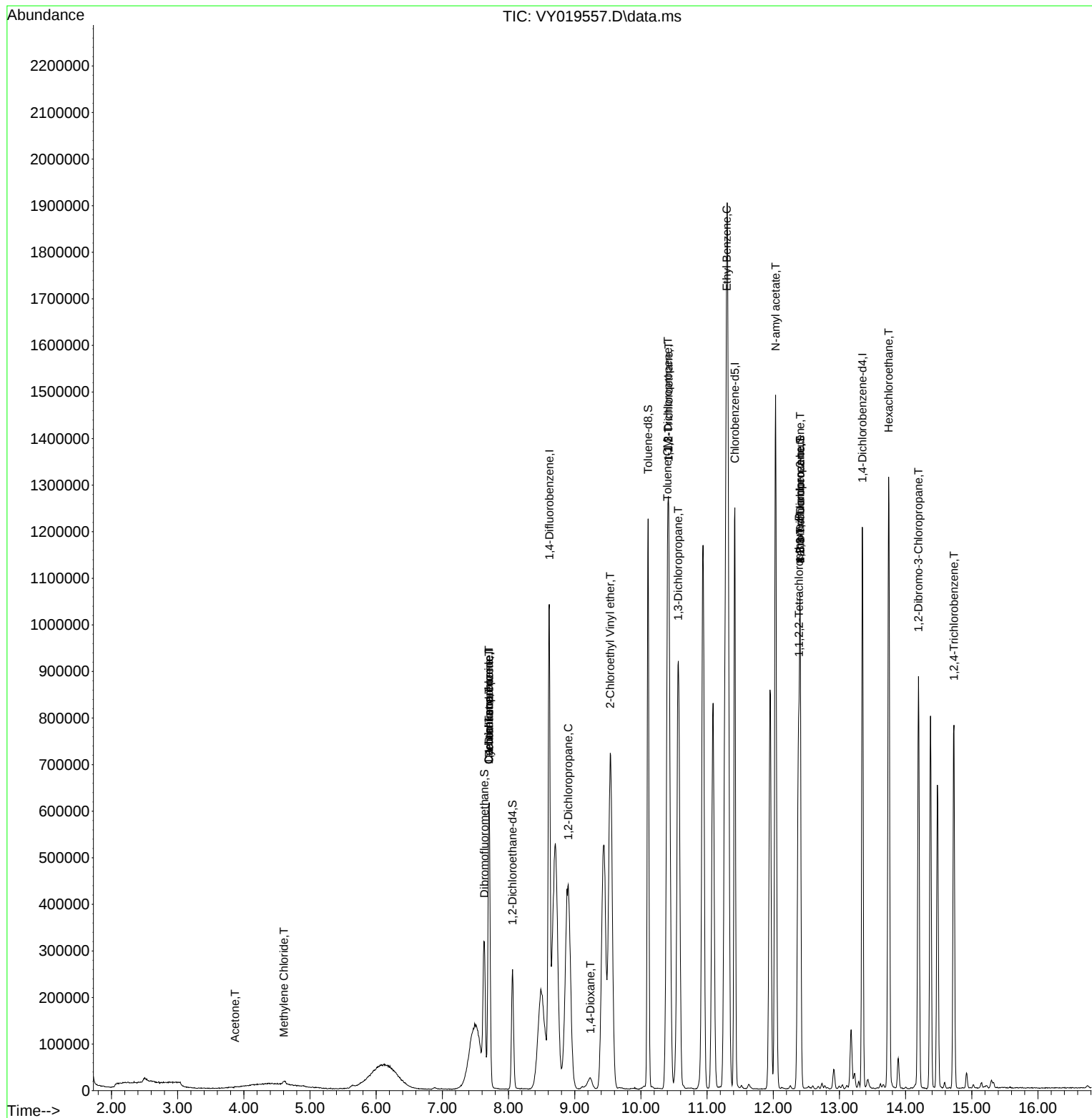
Internal Standards						
1) Pentafluorobenzene	7.707	168	464472	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	792536	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	654617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	293023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	201499	46.850	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.700%
35) Dibromofluoromethane	7.634	113	213408	47.492	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.980%
50) Toluene-d8	10.109	98	795920	47.888	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.780%
62) 4-Bromofluorobenzene	12.408	95	273871	42.854	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	85.700%
Target Compounds						
2) Dichlorodifluoromethane	1.867	85	430	Below Cal		84
13) Acrolein	3.659	56	318	Below Cal		91
16) Acetone	3.867	43	1920	1.874	ug/l	90
20) Methylene Chloride	4.604	84	5277	1.129	ug/l #	91
31) Cyclohexane	7.701	56	11061	1.437	ug/l #	22
36) 1,1-Dichloropropene	7.701	75	39596	6.476	ug/l #	48
38) Carbon Tetrachloride	7.701	117	49693	7.207	ug/l #	16
45) 1,2-Dichloropropane	8.902	63	114942	24.965	ug/l #	50
49) 1,4-Dioxane	9.238	88	88	2.969	ug/l #	1
52) Toluene	10.402	92	48740	4.024	ug/l #	1
53) t-1,3-Dichloropropene	10.408	75	13644	2.115	ug/l #	1
55) 1,1,2-Trichloroethane	10.420	97	30560	8.789	ug/l #	1
57) 1,3-Dichloropropane	10.561	76	9460	1.583	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.536	63	33027	13.473	ug/l #	1
67) Ethyl Benzene	11.298	91	266161	11.633	ug/l #	46
74) N-amyl acetate	12.036	43	17293	2.991	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.389	83	19288	5.112	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	142957	52.051	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	142957	99.923	ug/l #	16
90) Hexachloroethane	13.743	117	71227	18.409	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.194	75	48134	76.543	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.730	180	238411	47.949	ug/l	96

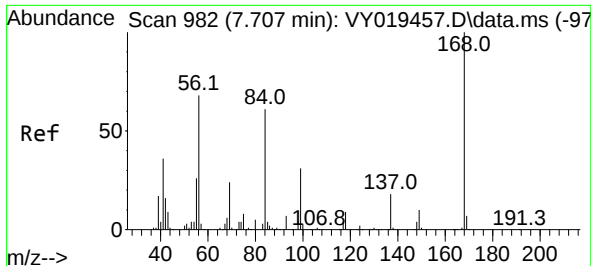
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 17 02:11:28 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

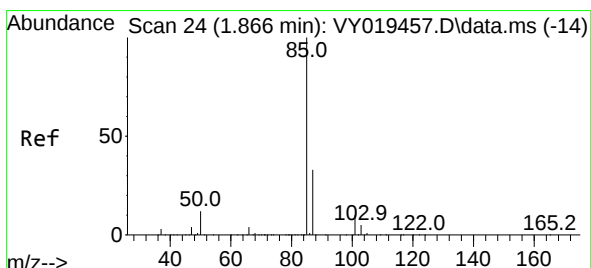
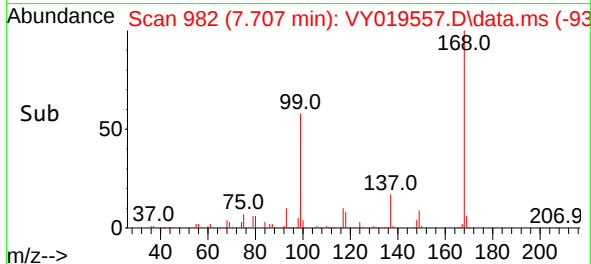
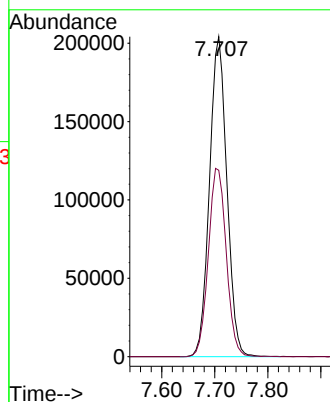
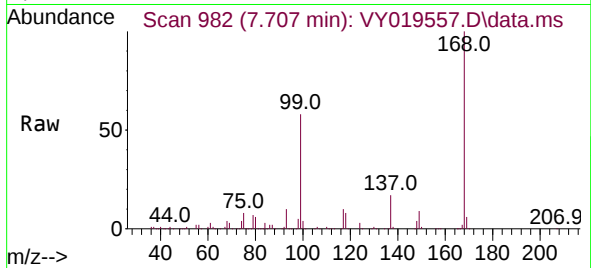




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019557.D
Acq: 16 Sep 2024 10:33

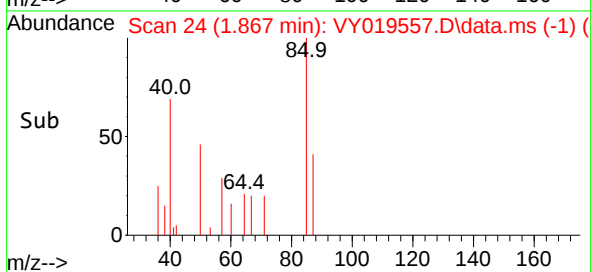
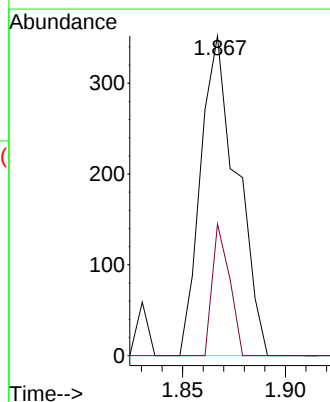
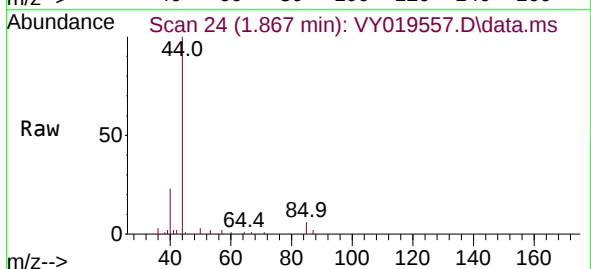
Instrument :
MSVOA_Y
ClientSampleId :

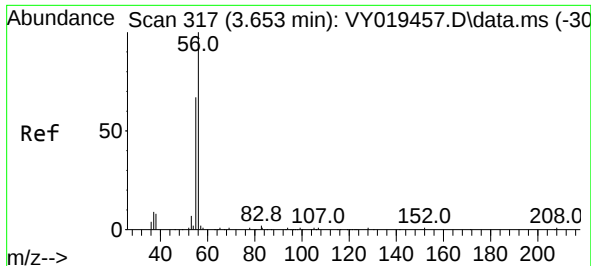
Tgt Ion:168 Resp: 464472
Ion Ratio Lower Upper
168 100
99 58.2 39.1 58.7



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY019557.D
Acq: 16 Sep 2024 10:33

Tgt Ion: 85 Resp: 430
Ion Ratio Lower Upper
85 100
87 41.2 16.0 48.0

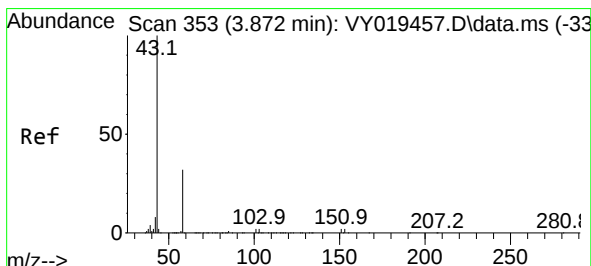
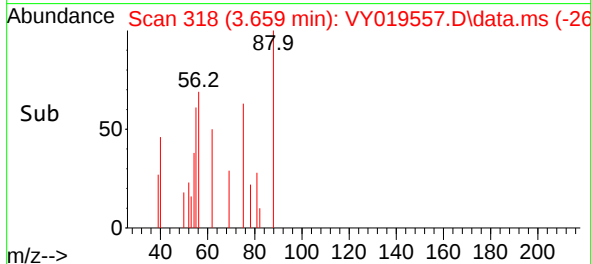
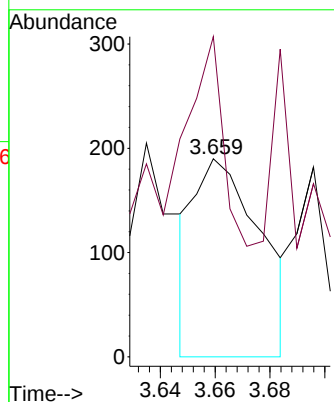
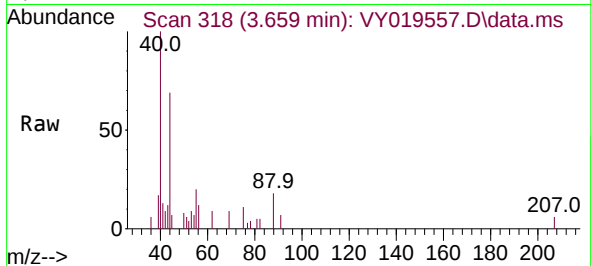




#13
Acrolein
Concen: Below Cal
RT: 3.659 min Scan# 317
Delta R.T. 0.006 min
Lab File: VY019557.D
Acq: 16 Sep 2024 10:33

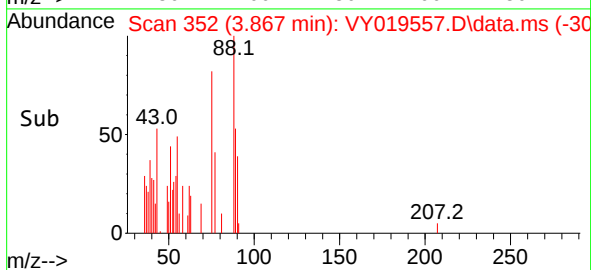
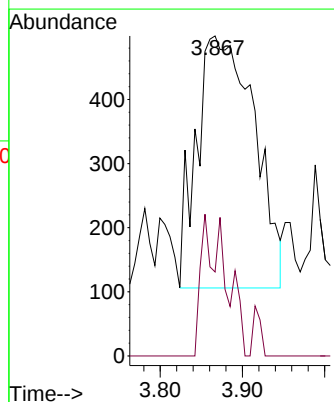
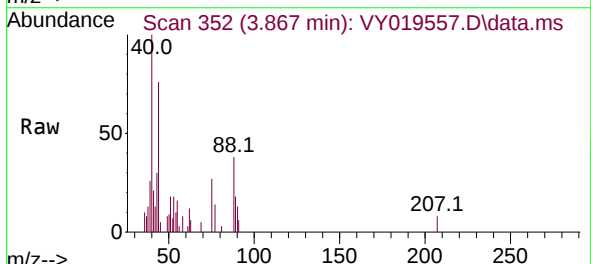
Instrument :
MSVOA_Y
ClientSampleId :

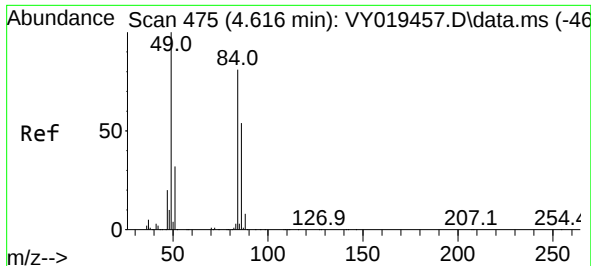
Tgt Ion: 56 Resp: 318
Ion Ratio Lower Upper
56 100
55 62.3 55.7 83.5



#16
Acetone
Concen: 1.874 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY019557.D
Acq: 16 Sep 2024 10:33

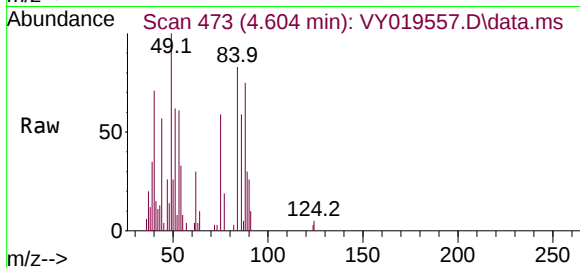
Tgt Ion: 43 Resp: 1920
Ion Ratio Lower Upper
43 100
58 33.3 31.7 47.5



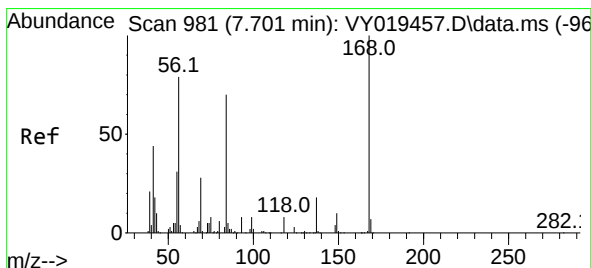
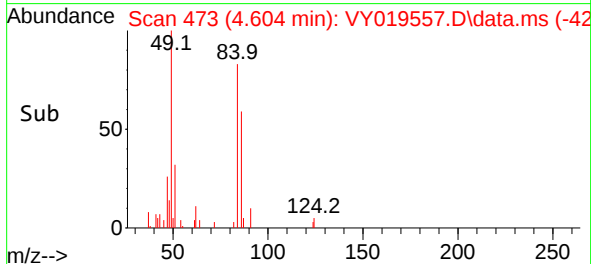
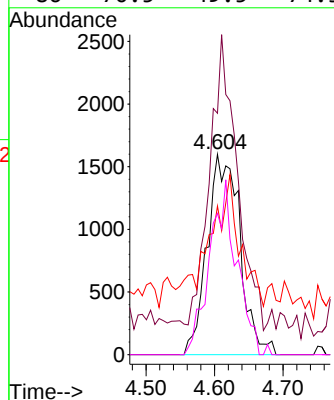


#20
Methylene Chloride
Concen: 1.129 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY019557.D
Acq: 16 Sep 2024 10:33

Instrument :
MSVOA_Y
ClientSampleId :

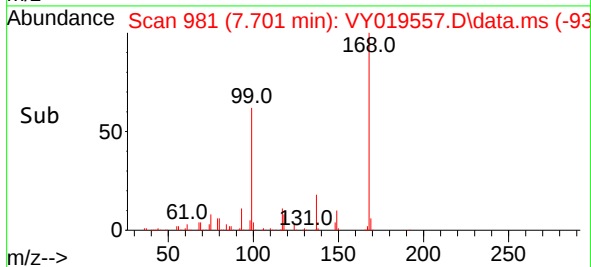
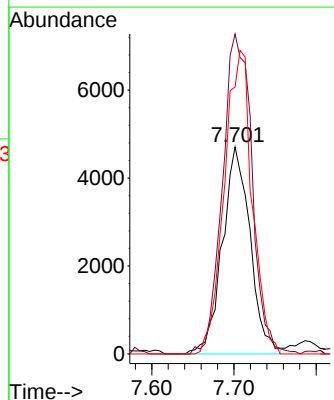
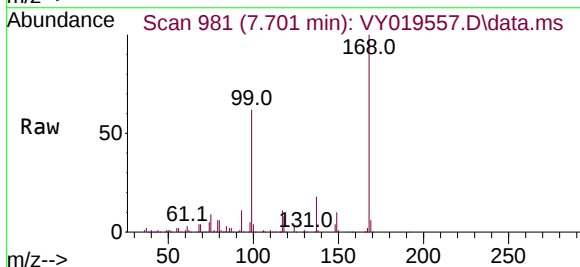


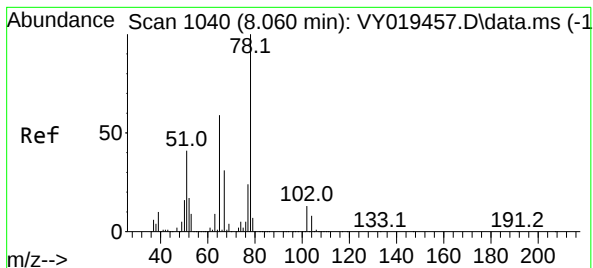
Tgt Ion:	84	Resp:	5277
Ion	Ratio	Lower	Upper
84	100		
49	103.6	84.4	126.6
51	47.8	26.0	39.0#
86	70.5	49.5	74.3



#31
Cyclohexane
Concen: 1.437 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019557.D
Acq: 16 Sep 2024 10:33

Tgt Ion:	56	Resp:	11061
Ion	Ratio	Lower	Upper
56	100		
69	154.6	28.7	43.1#
84	129.0	77.7	116.5#





#33

1,2-Dichloroethane-d4

Concen: 46.850 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY019557.D

Acq: 16 Sep 2024 10:33

Instrument :

MSVOA_Y

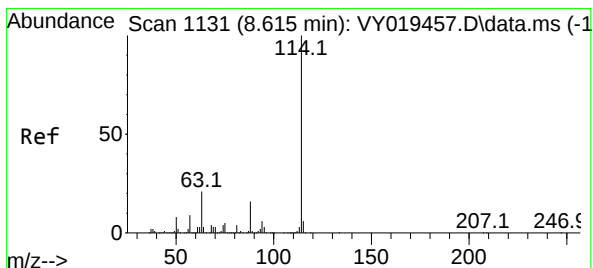
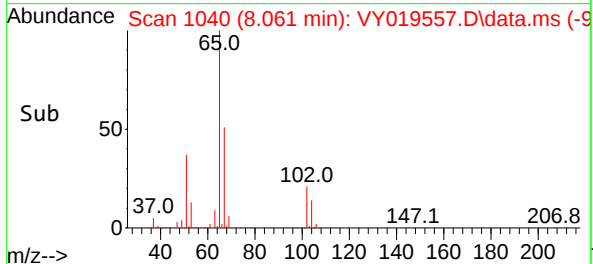
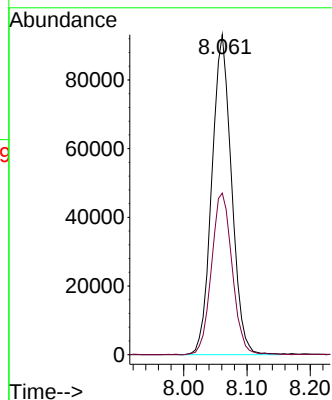
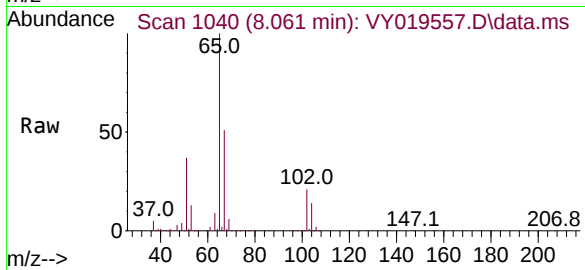
ClientSampleId :

Tgt Ion: 65 Resp: 201499

Ion Ratio Lower Upper

65 100

67 53.0 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: VY019557.D

Acq: 16 Sep 2024 10:33

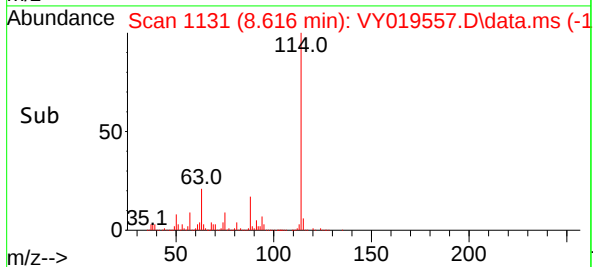
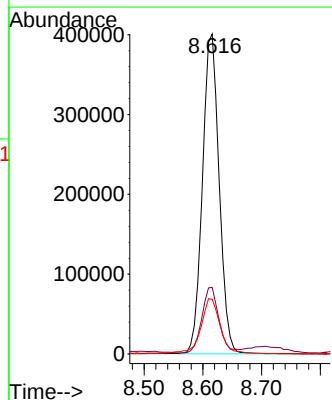
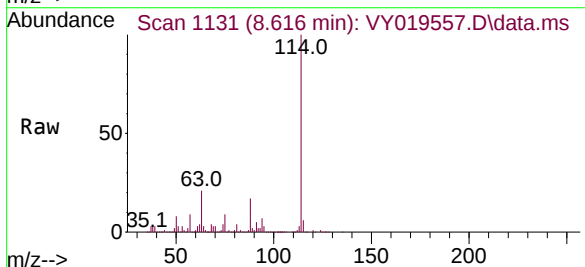
Tgt Ion: 114 Resp: 792536

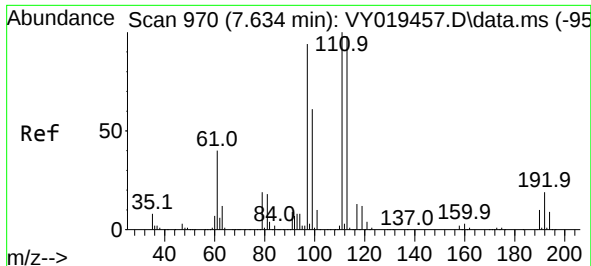
Ion Ratio Lower Upper

114 100

63 20.5 0.0 35.0

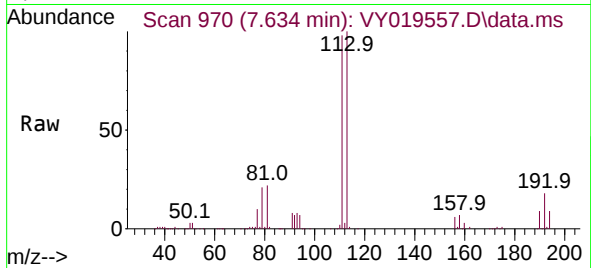
88 17.0 0.0 27.2



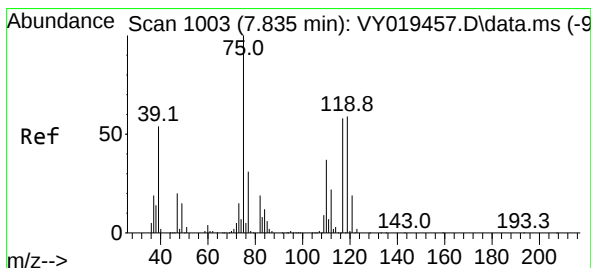
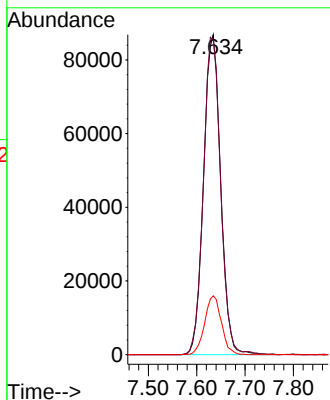
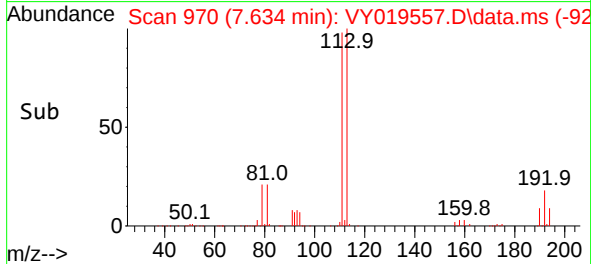


#35
Dibromofluoromethane
Concen: 47.492 ug/l
RT: 7.634 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY019557.D
Acq: 16 Sep 2024 10:33

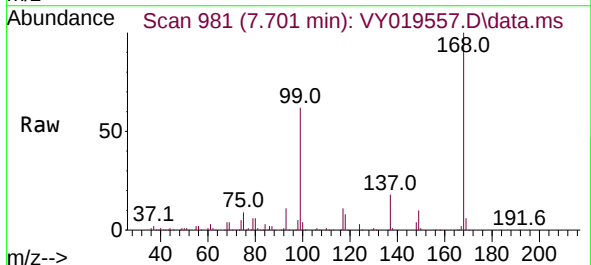
Instrument :
MSVOA_Y
ClientSampleId :



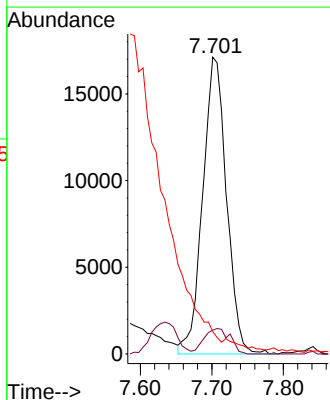
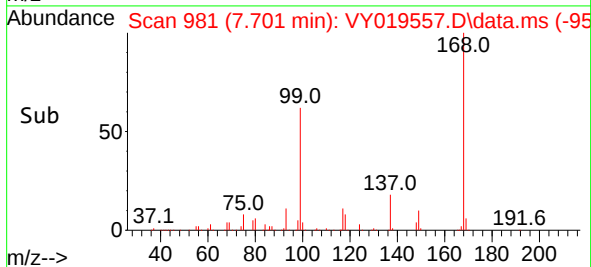
Tgt Ion:113 Resp: 213408
Ion Ratio Lower Upper
113 100
111 100.5 82.2 123.4
192 18.0 15.9 23.9

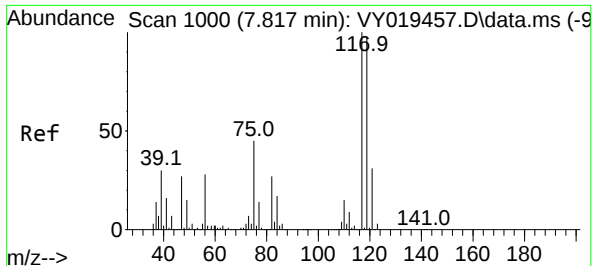


#36
1,1-Dichloropropene
Concen: 6.476 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY019557.D
Acq: 16 Sep 2024 10:33



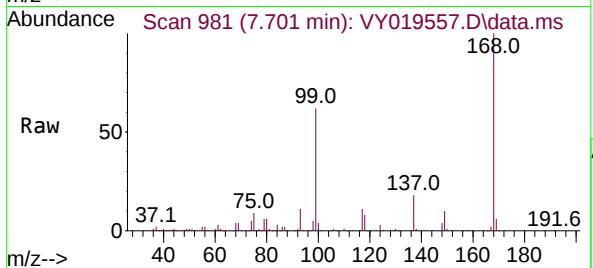
Tgt Ion: 75 Resp: 39596
Ion Ratio Lower Upper
75 100
110 9.4 19.0 57.0#
77 0.0 25.3 37.9#



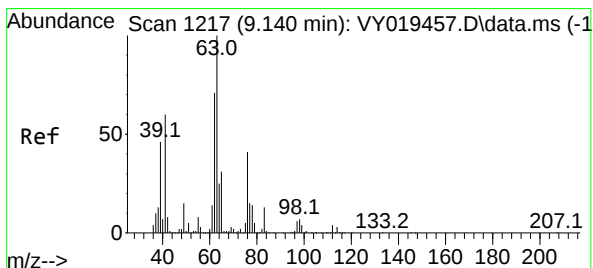
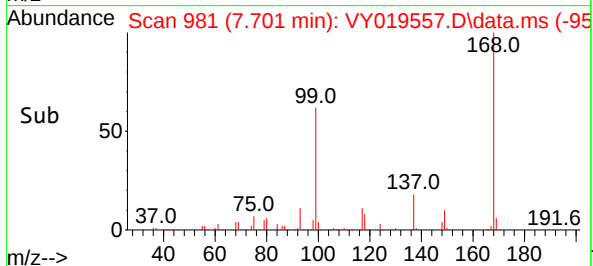
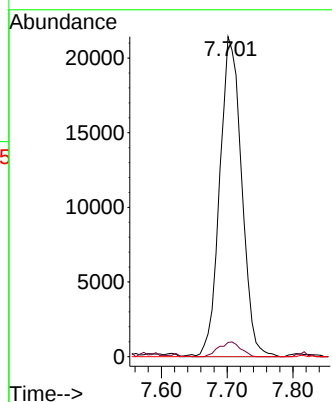


#38
Carbon Tetrachloride
Concen: 7.207 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY019557.D
Acq: 16 Sep 2024 10:33

Instrument :
MSVOA_Y
ClientSampleId :

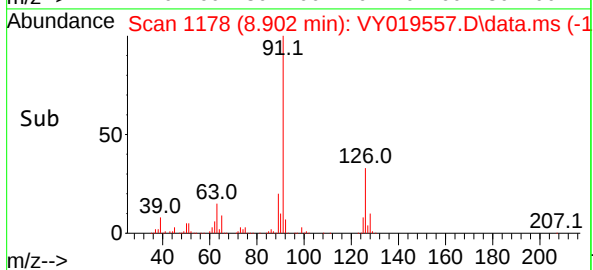
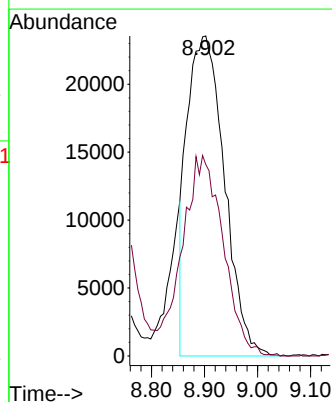
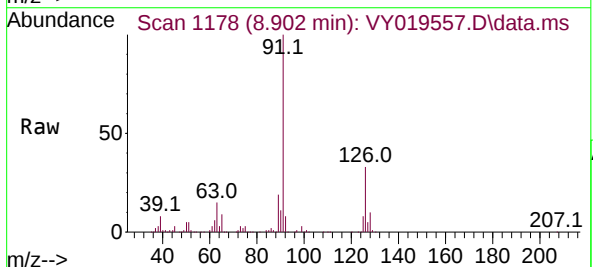


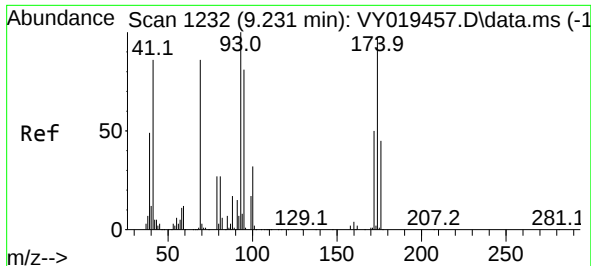
Tgt Ion:117 Resp: 49693
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.6#
121 0.0 24.0 36.0#



#45
1,2-Dichloropropane
Concen: 24.965 ug/l
RT: 8.902 min Scan# 1178
Delta R.T. -0.237 min
Lab File: VY019557.D
Acq: 16 Sep 2024 10:33

Tgt Ion: 63 Resp: 114942
Ion Ratio Lower Upper
63 100
65 59.8 25.4 38.2#





#49

1,4-Dioxane

Concen: 2.969 ug/l

RT: 9.238 min Scan# 11

Delta R.T. 0.007 min

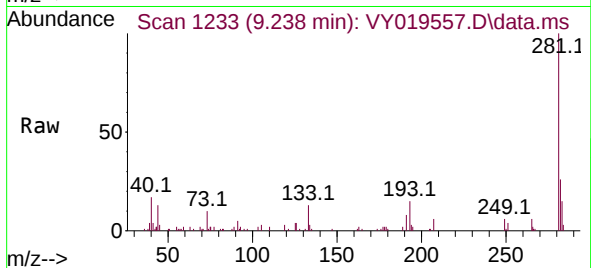
Lab File: VY019557.D

Acq: 16 Sep 2024 10:33

Instrument :

MSVOA_Y

ClientSampleId :



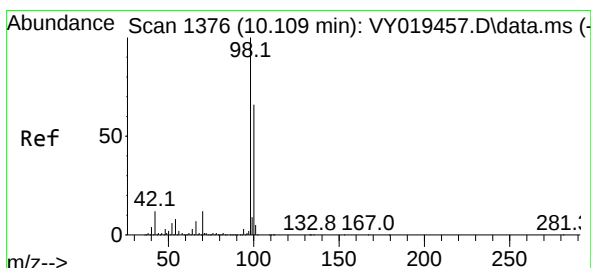
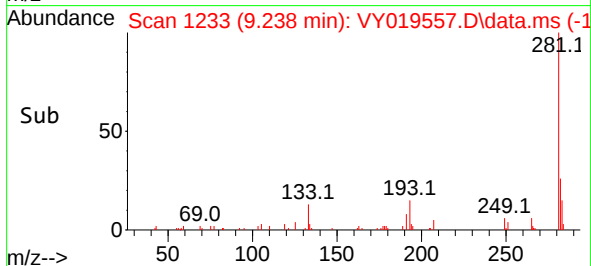
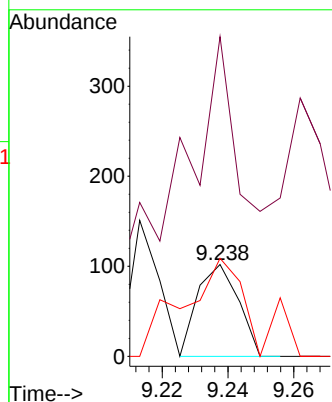
Tgt Ion: 88 Resp: 88

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 180.7 49.3 73.9#



#50

Toluene-d8

Concen: 47.888 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY019557.D

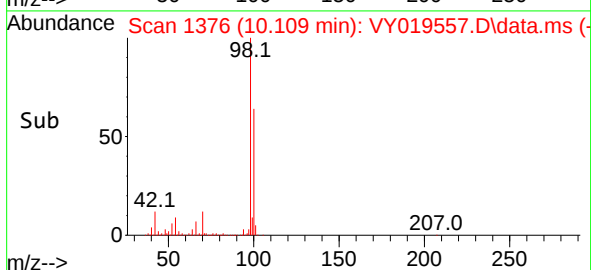
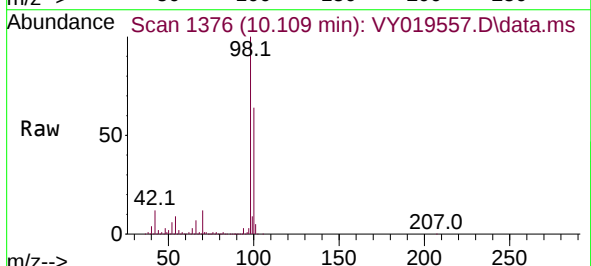
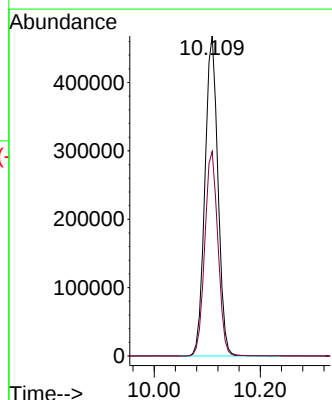
Acq: 16 Sep 2024 10:33

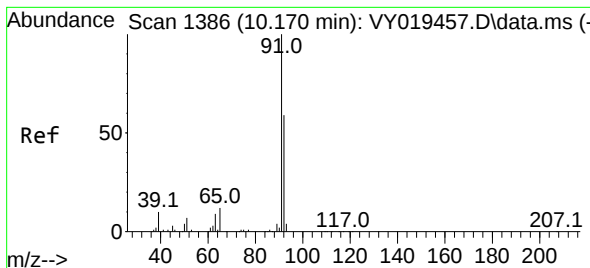
Tgt Ion: 98 Resp: 795920

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0





#52

Toluene

Concen: 4.024 ug/l

RT: 10.402 min Scan# 1424

Delta R.T. 0.232 min

Lab File: VY019557.D

Acq: 16 Sep 2024 10:33

Instrument :

MSVOA_Y

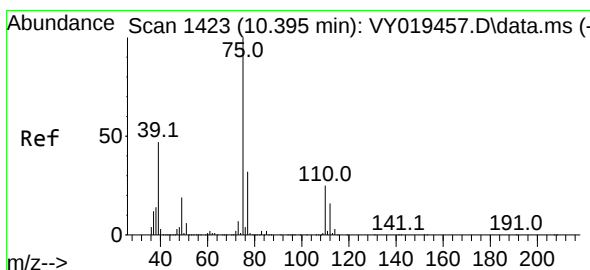
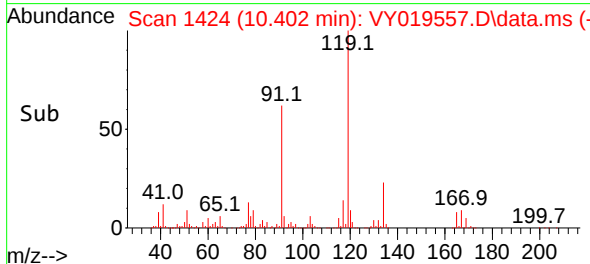
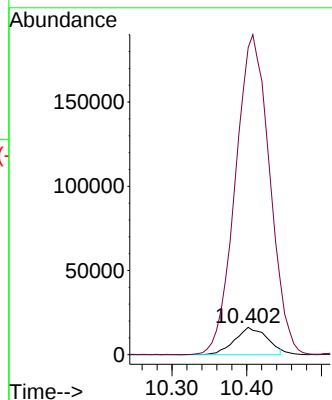
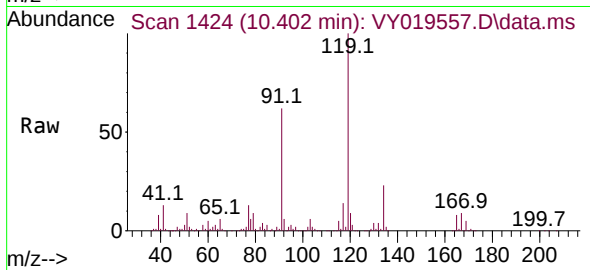
ClientSampleId :

Tgt Ion: 92 Resp: 48740

Ion Ratio Lower Upper

92 100

91 1206.6 139.0 208.6#



#53

t-1,3-Dichloropropene

Concen: 2.115 ug/l

RT: 10.408 min Scan# 1425

Delta R.T. 0.013 min

Lab File: VY019557.D

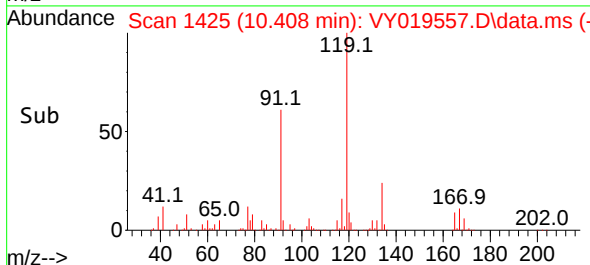
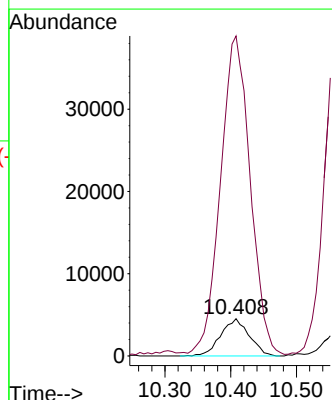
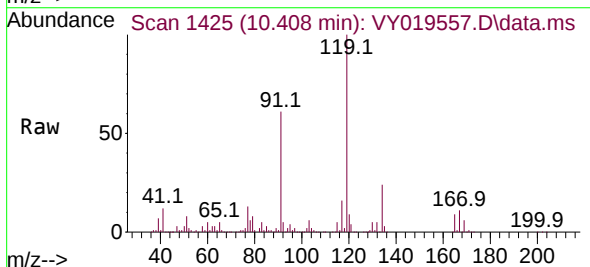
Acq: 16 Sep 2024 10:33

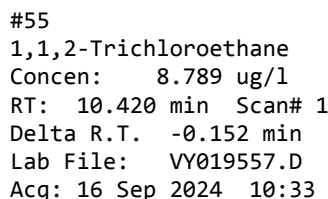
Tgt Ion: 75 Resp: 13644

Ion Ratio Lower Upper

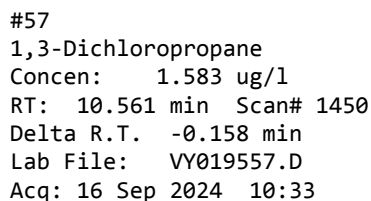
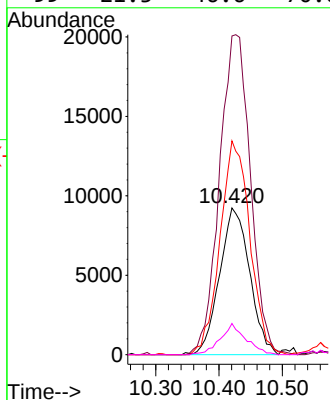
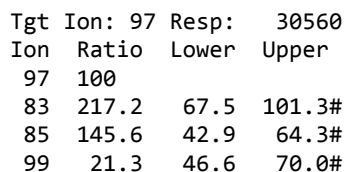
75 100

77 847.9 24.1 36.1#

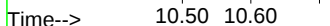
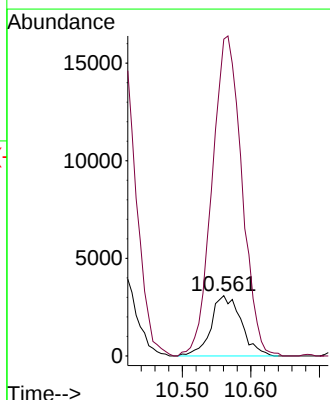


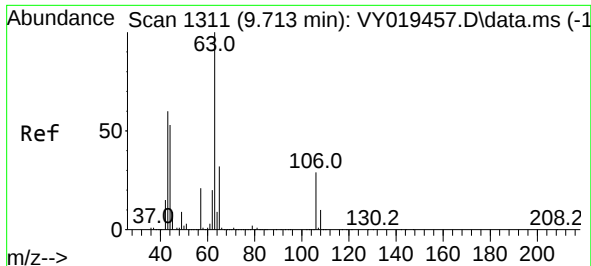


Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 76	Resp: 9460
Ion Ratio	Lower Upper
76 100	
78 522.8	26.2 39.4#

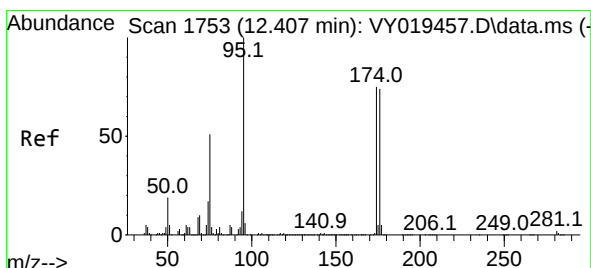
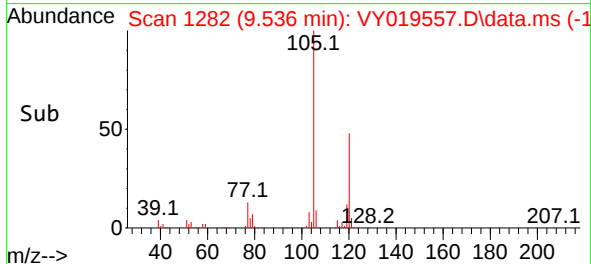
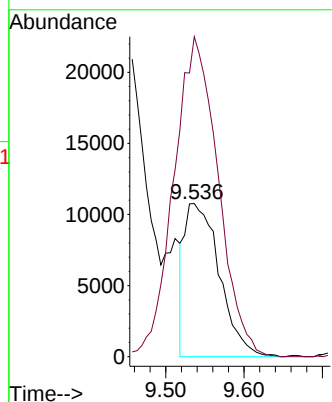
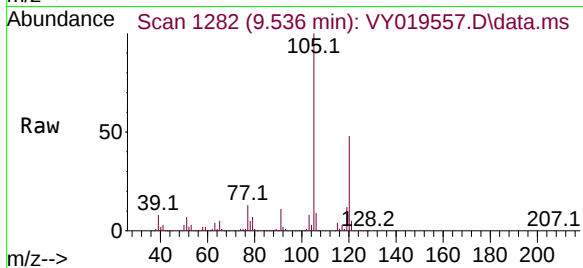




#58
2-Chloroethyl Vinyl ether
Concen: 13.473 ug/l
RT: 9.536 min Scan# 11
Delta R.T. -0.176 min
Lab File: VY019557.D
Acq: 16 Sep 2024 10:33

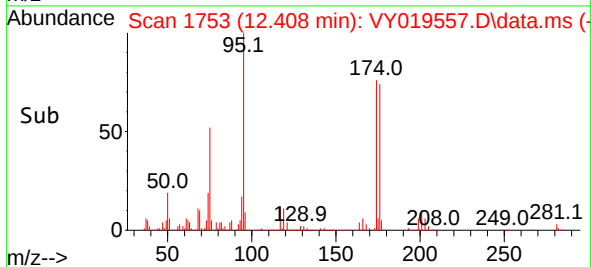
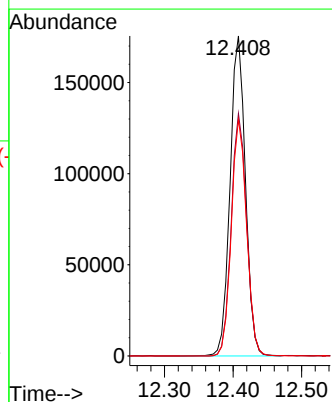
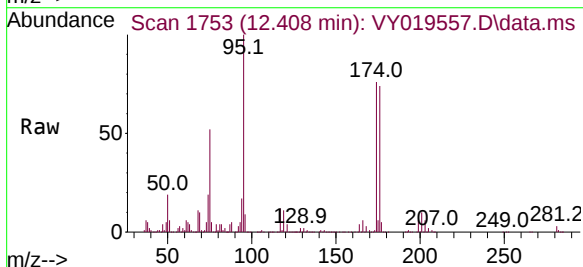
Instrument :
MSVOA_Y
ClientSampleId :

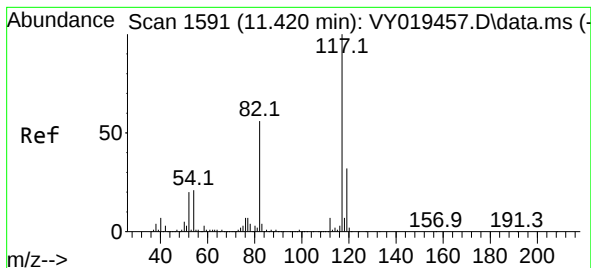
Tgt Ion: 63 Resp: 33027
Ion Ratio Lower Upper
63 100
106 268.5 23.7 35.5#



#62
4-Bromofluorobenzene
Concen: 42.854 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019557.D
Acq: 16 Sep 2024 10:33

Tgt Ion: 95 Resp: 273871
Ion Ratio Lower Upper
95 100
174 75.5 0.0 175.6
176 73.3 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: VY019557.D

Acq: 16 Sep 2024 10:33

Instrument :

MSVOA_Y

ClientSampleId :

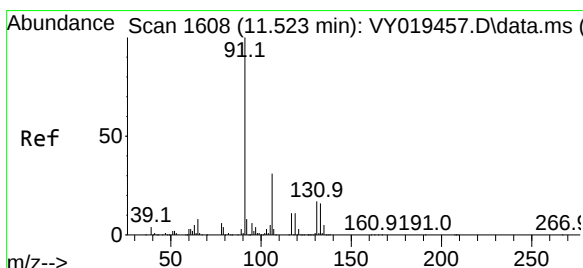
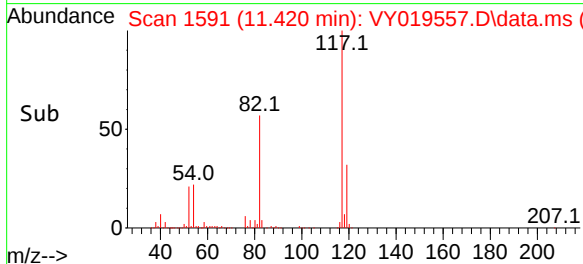
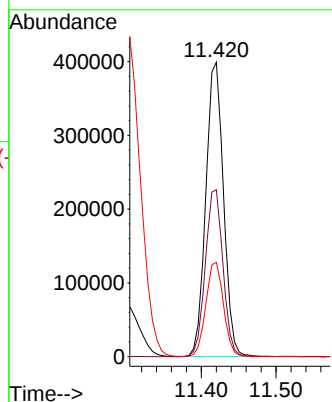
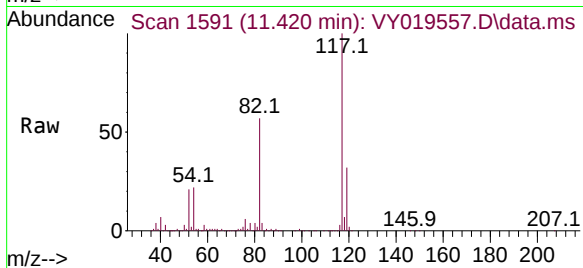
Tgt Ion:117 Resp: 654617

Ion Ratio Lower Upper

117 100

82 56.7 42.4 63.6

119 32.0 25.9 38.9



#67

Ethyl Benzene

Concen: 11.633 ug/l

RT: 11.298 min Scan# 1571

Delta R.T. -0.225 min

Lab File: VY019557.D

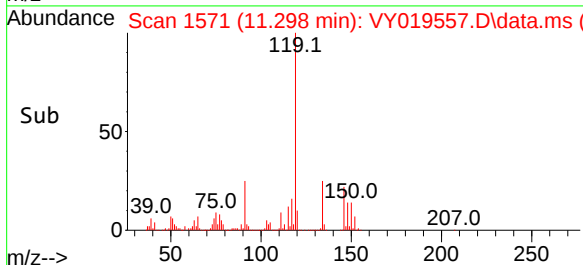
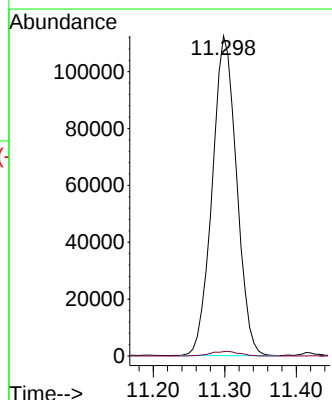
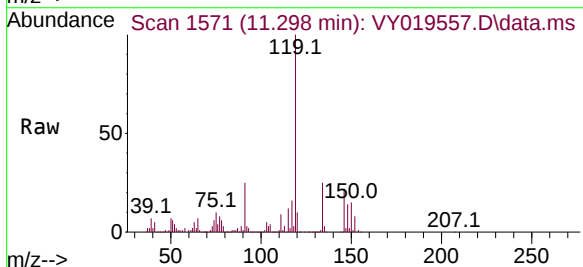
Acq: 16 Sep 2024 10:33

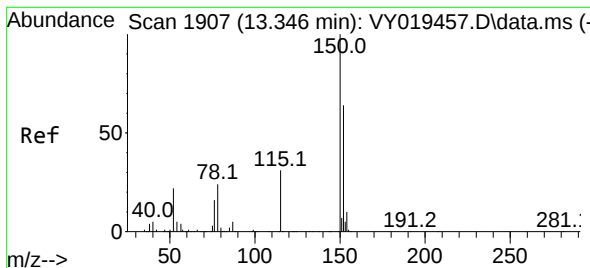
Tgt Ion: 91 Resp: 266161

Ion Ratio Lower Upper

91 100

106 1.4 24.5 36.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019557.D

Acq: 16 Sep 2024 10:33

Instrument :

MSVOA_Y

ClientSampleId :

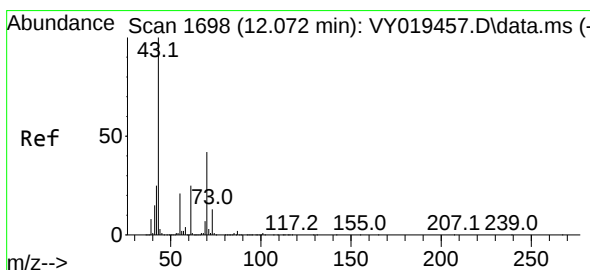
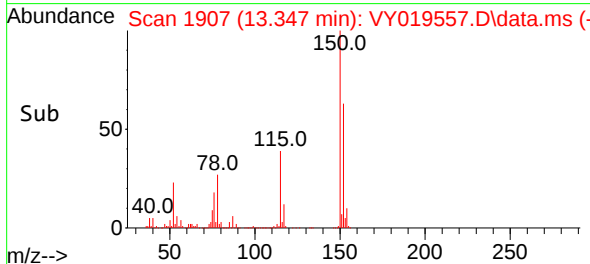
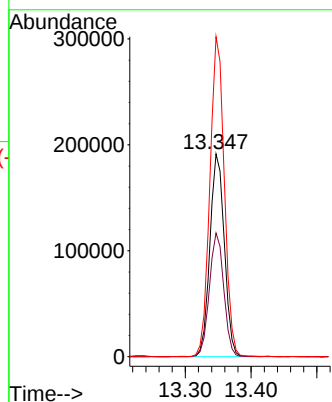
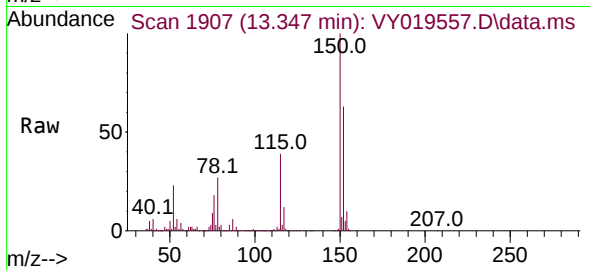
Tgt Ion:152 Resp: 293023

Ion Ratio Lower Upper

152 100

115 60.7 28.2 84.7

150 157.2 0.0 345.6



#74

N-ethyl acetate

Concen: 2.991 ug/l

RT: 12.036 min Scan# 1692

Delta R.T. -0.036 min

Lab File: VY019557.D

Acq: 16 Sep 2024 10:33

Tgt Ion: 43 Resp: 17293

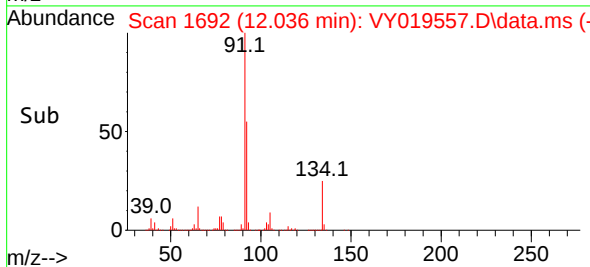
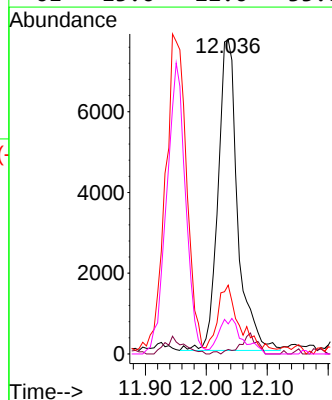
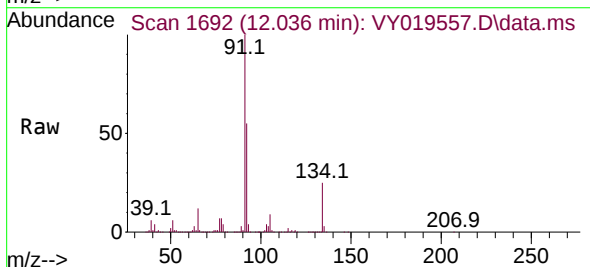
Ion Ratio Lower Upper

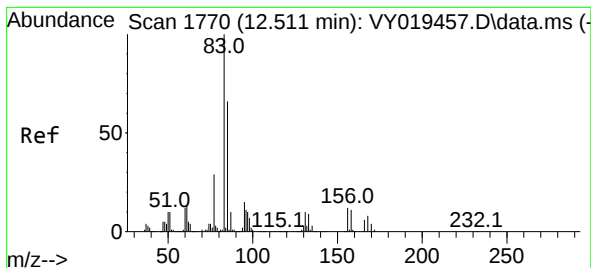
43 100

70 0.0 41.4 62.2#

55 20.8 23.3 34.9#

61 13.6 22.6 33.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 5.112 ug/l

RT: 12.389 min Scan# 1750

Delta R.T. -0.121 min

Lab File: VY019557.D

Acq: 16 Sep 2024 10:33

Instrument :

MSVOA_Y

ClientSampleId :

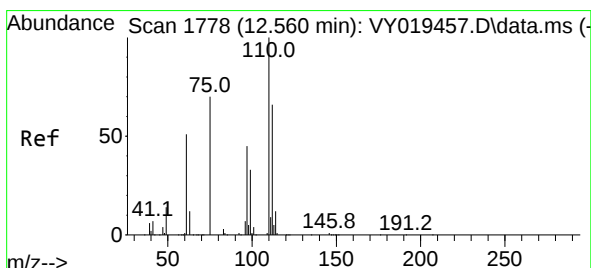
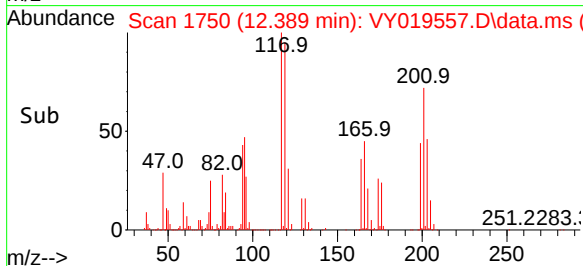
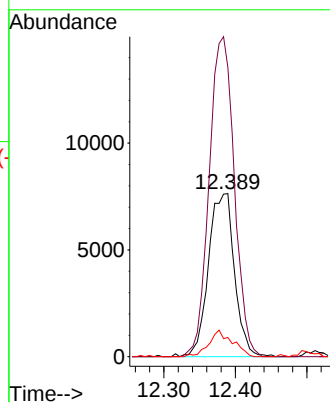
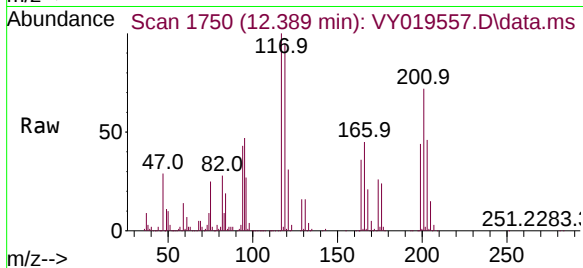
Tgt Ion: 83 Resp: 19288

Ion Ratio Lower Upper

83 100

131 190.0 5.0 14.9#

85 14.8 32.0 96.0#



#76

1,2,3-Trichloropropane

Concen: 52.051 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019557.D

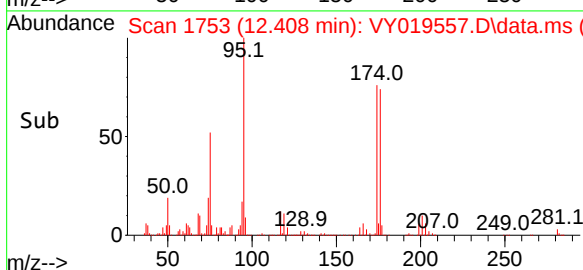
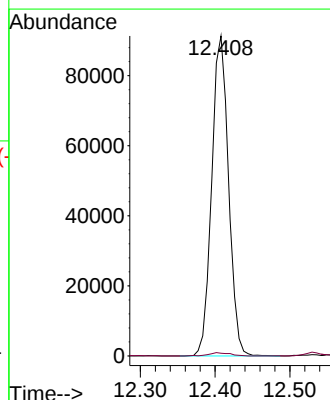
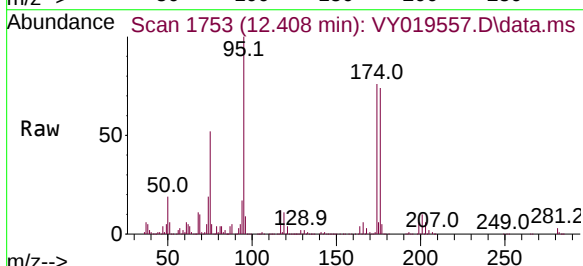
Acq: 16 Sep 2024 10:33

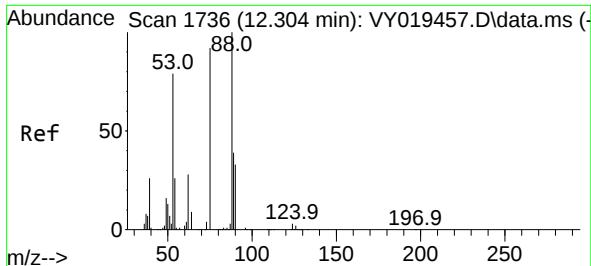
Tgt Ion: 75 Resp: 142957

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

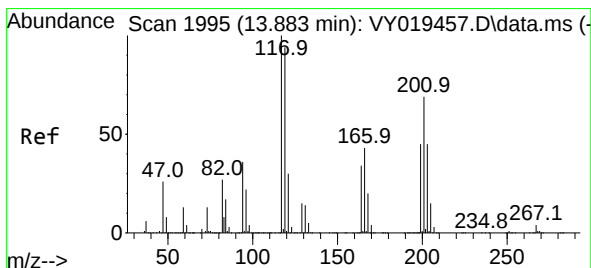
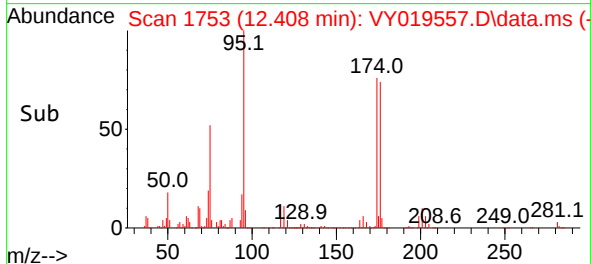
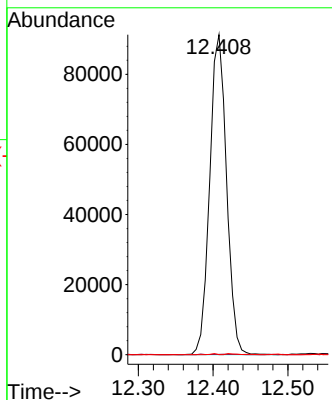
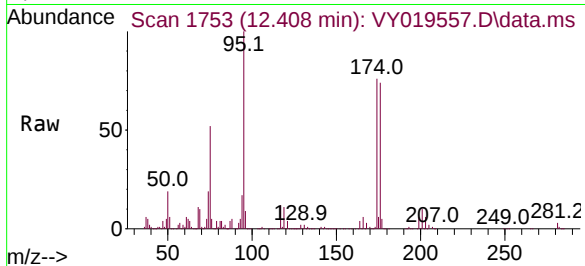




#81
trans-1,4-Dichloro-2-butene
Concen: 99.923 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY019557.D
Acq: 16 Sep 2024 10:33

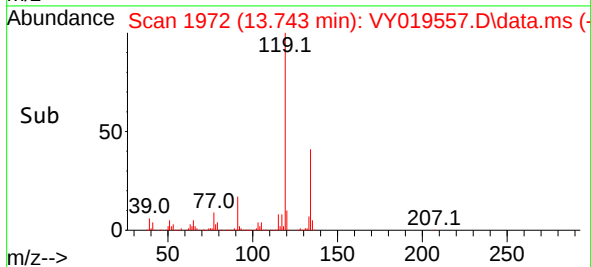
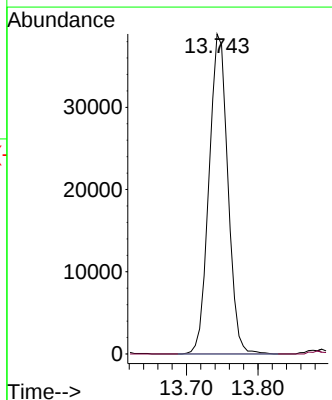
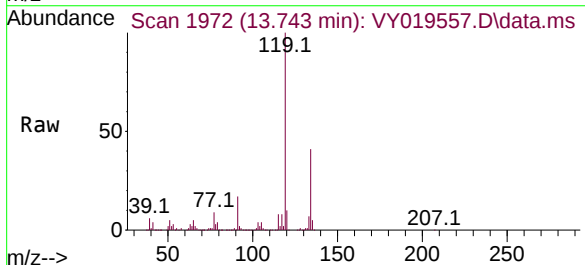
Instrument :
MSVOA_Y
ClientSampleId :

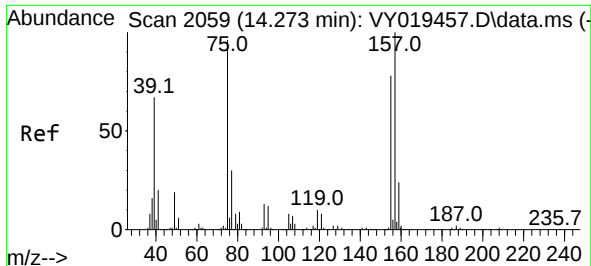
Tgt Ion: 75 Resp: 142957
Ion Ratio Lower Upper
75 100
53 0.2 66.8 100.2#
89 0.0 35.8 53.6#



#90
Hexachloroethane
Concen: 18.409 ug/l
RT: 13.743 min Scan# 1972
Delta R.T. -0.140 min
Lab File: VY019557.D
Acq: 16 Sep 2024 10:33

Tgt Ion: 117 Resp: 71227
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 76.543 ug/l

RT: 14.194 min Scan# 2059

Delta R.T. -0.079 min

Lab File: VY019557.D

Acq: 16 Sep 2024 10:33

Instrument :

MSVOA_Y

ClientSampleId :

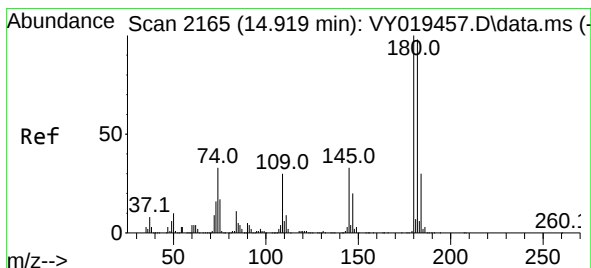
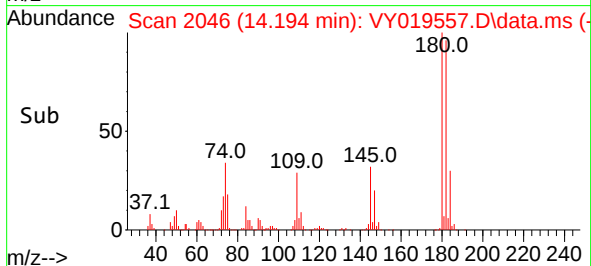
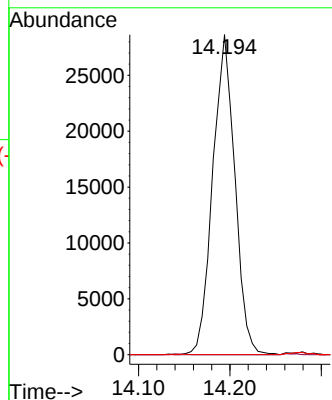
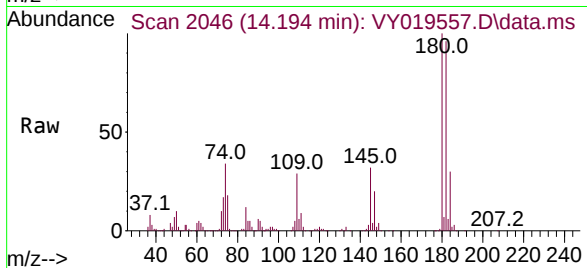
Tgt Ion: 75 Resp: 48134

Ion Ratio Lower Upper

75 100

155 0.0 48.6 145.8#

157 0.0 62.7 188.2#



#93

1,2,4-Trichlorobenzene

Concen: 47.949 ug/l

RT: 14.730 min Scan# 2134

Delta R.T. -0.189 min

Lab File: VY019557.D

Acq: 16 Sep 2024 10:33

Tgt Ion:180 Resp: 238411

Ion Ratio Lower Upper

180 100

182 94.3 47.9 143.8

145 34.0 14.2 42.6

