

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
 Data File : VY019760.D
 Acq On : 02 Oct 2024 13:26
 Operator : SY/MD
 Sample : P4236-06
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 03 02:00:39 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)

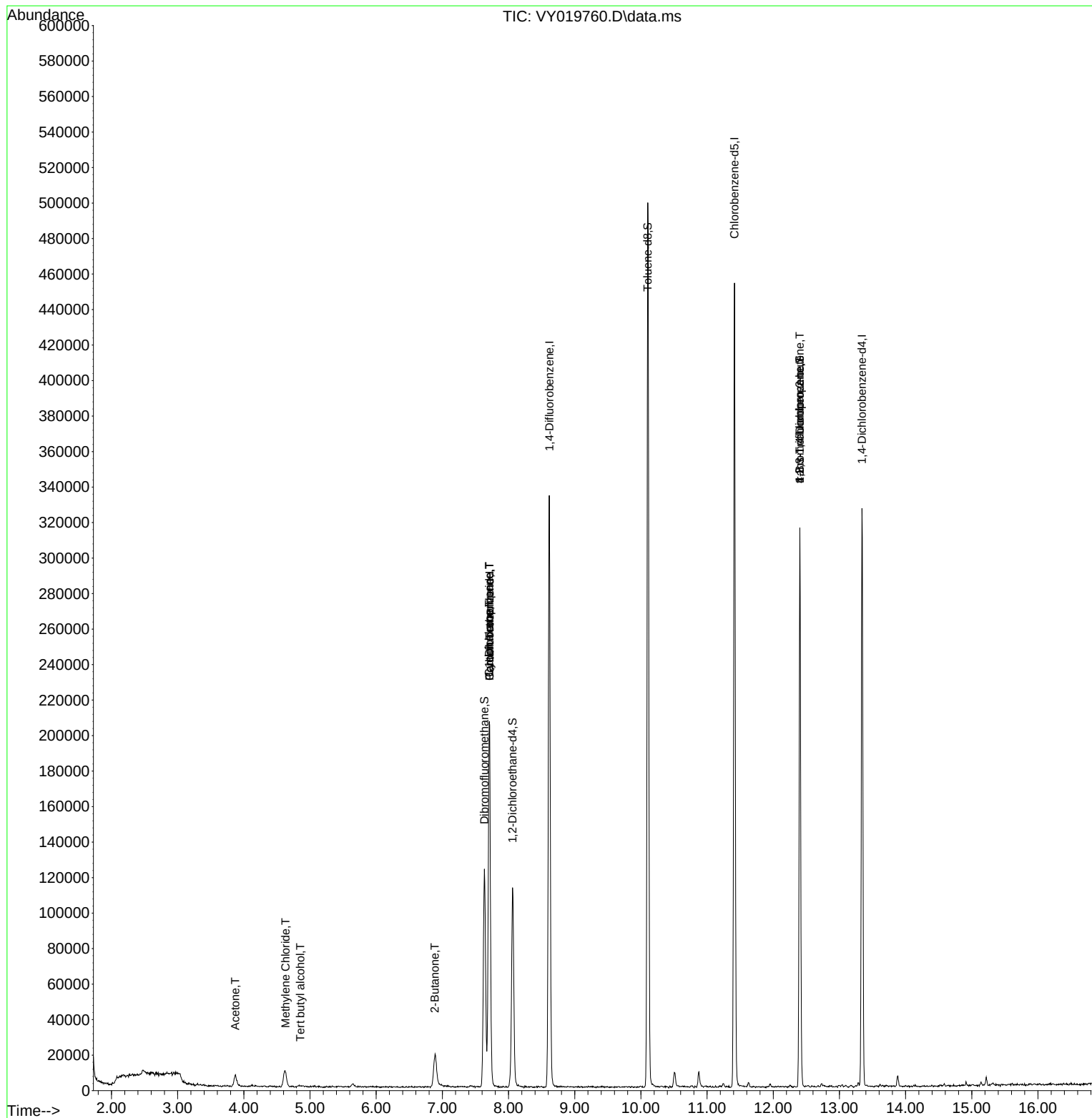
Internal Standards						
1) Pentafluorobenzene	7.713	168	152648	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	278945	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	233655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	81793	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	87168	61.669	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.340%	
35) Dibromofluoromethane	7.634	113	87036	55.032	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.060%	
50) Toluene-d8	10.103	98	321386	54.939	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.880%	
62) 4-Bromofluorobenzene	12.402	95	99962	44.441	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 88.880%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	36	Below Cal	#	43
11) Tert butyl alcohol	4.854	59	819	7.175	ug/l #	88
13) Acrolein	3.653	56	75	Below Cal	#	11
16) Acetone	3.873	43	11751	34.896	ug/l	88
20) Methylene Chloride	4.629	84	6621	4.311	ug/l #	85
25) 2-Butanone	6.884	43	1326	2.769	ug/l #	41
31) Cyclohexane	7.707	56	3999	1.581	ug/l #	24
36) 1,1-Dichloropropene	7.707	75	13217	6.142	ug/l #	48
38) Carbon Tetrachloride	7.713	117	16353	6.738	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	52629	68.649	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	52629	131.786	ug/l #	16

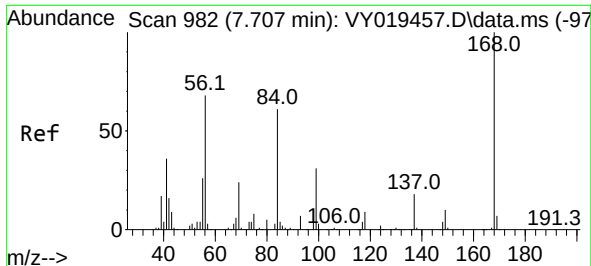
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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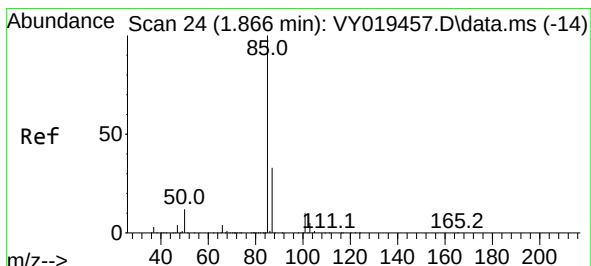
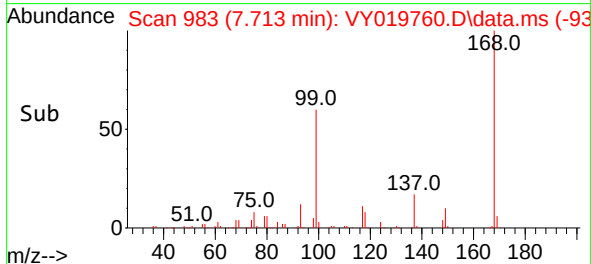
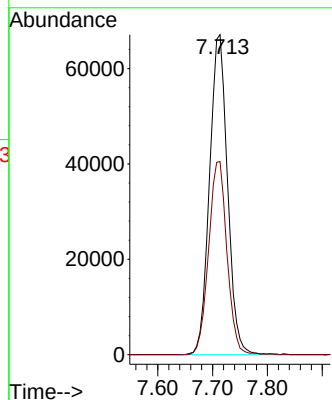
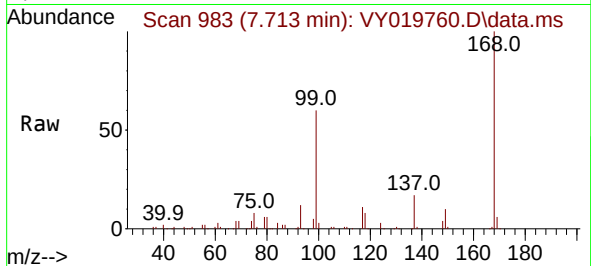




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019760.D
Acq: 02 Oct 2024 13:26

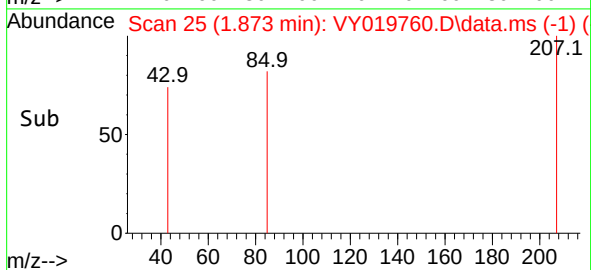
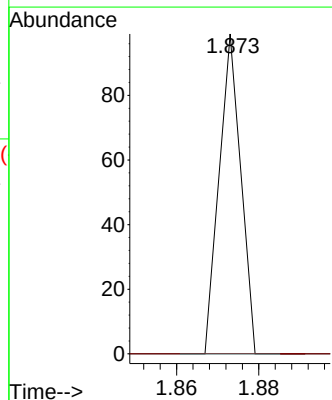
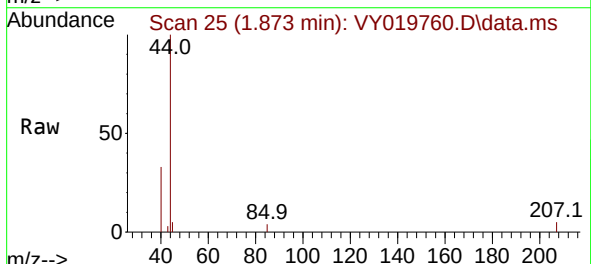
Instrument :
MSVOA_Y
ClientSampleId :

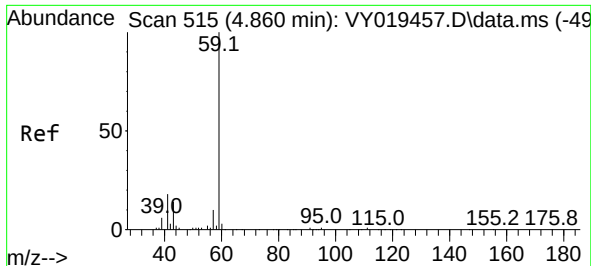
Tgt Ion:168 Resp: 152648
Ion Ratio Lower Upper
168 100
99 60.3 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.873 min Scan# 25
Delta R.T. 0.007 min
Lab File: VY019760.D
Acq: 02 Oct 2024 13:26

Tgt Ion: 85 Resp: 36
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#

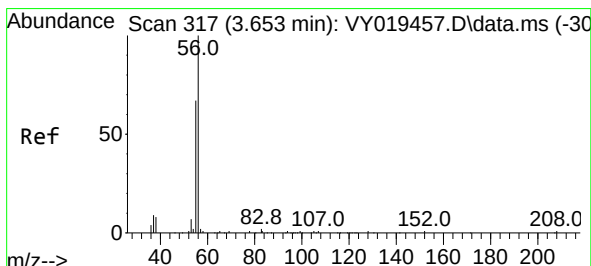
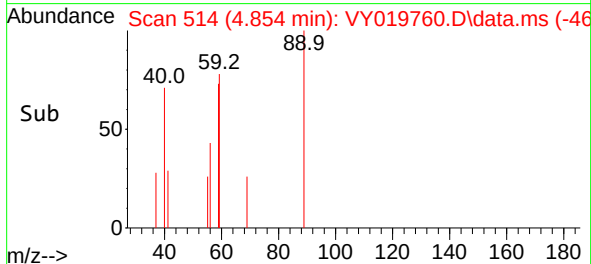
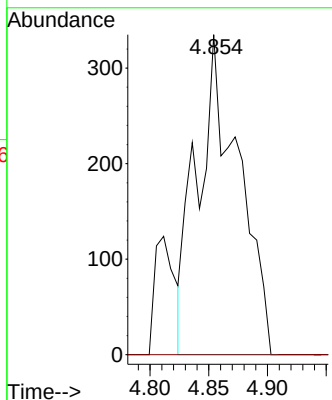
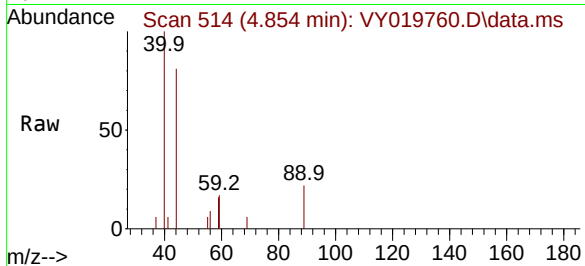




#11
Tert butyl alcohol
Concen: 7.175 ug/l
RT: 4.854 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY019760.D
Acq: 02 Oct 2024 13:26

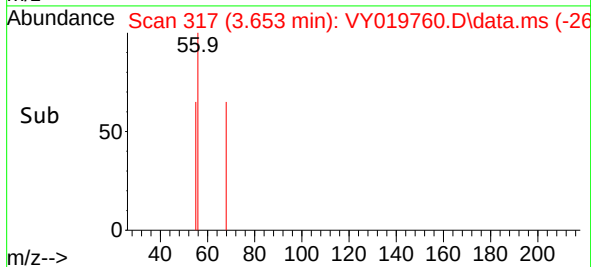
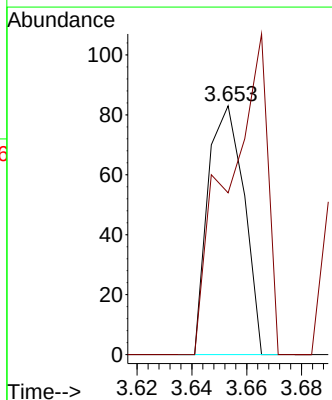
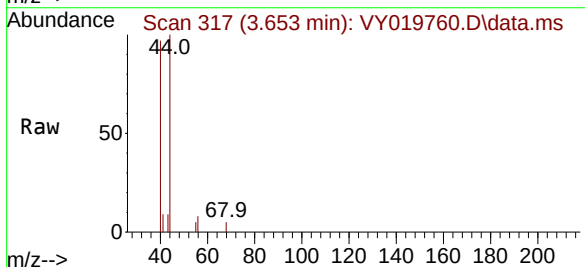
Instrument :
MSVOA_Y
ClientSampleId :

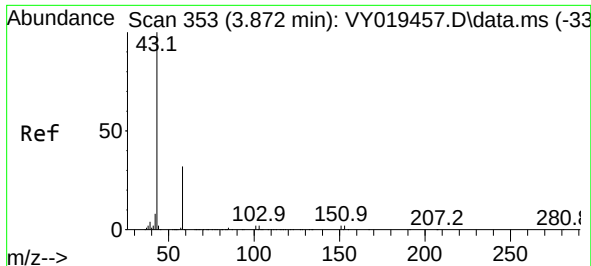
Tgt Ion: 59 Resp: 819
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



#13
Acrolein
Concen: Below Cal
RT: 3.653 min Scan# 317
Delta R.T. 0.000 min
Lab File: VY019760.D
Acq: 02 Oct 2024 13:26

Tgt Ion: 56 Resp: 75
Ion Ratio Lower Upper
56 100
55 142.7 55.7 83.5#

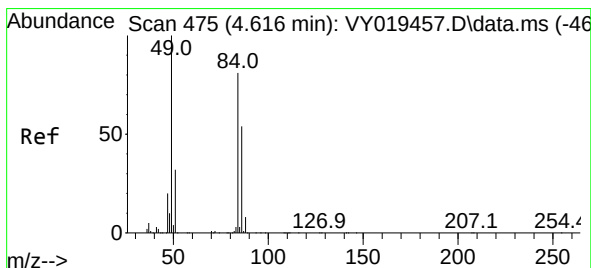
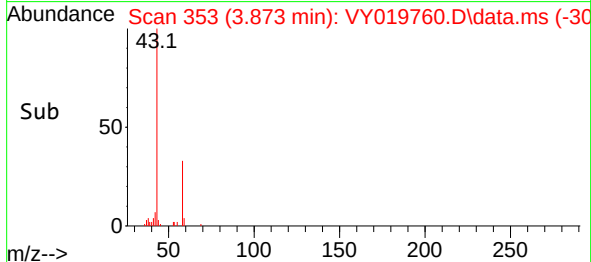
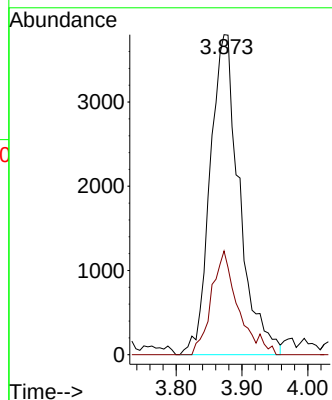
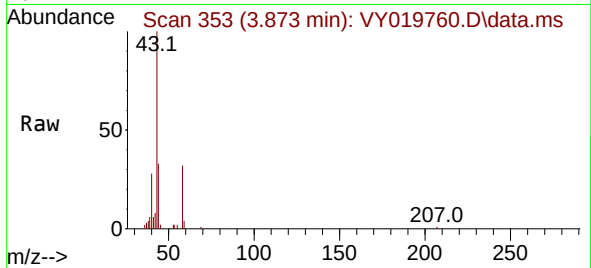




#16
Acetone
Concen: 34.896 ug/l
RT: 3.873 min Scan# 311
Delta R.T. 0.000 min
Lab File: VY019760.D
Acq: 02 Oct 2024 13:26

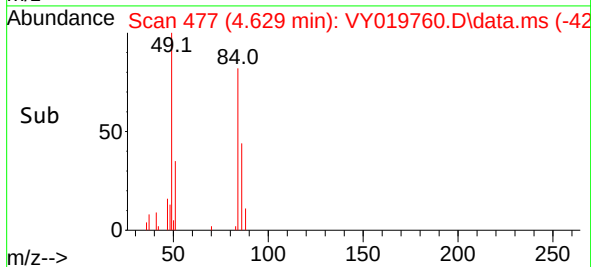
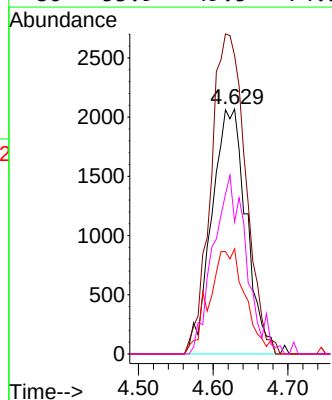
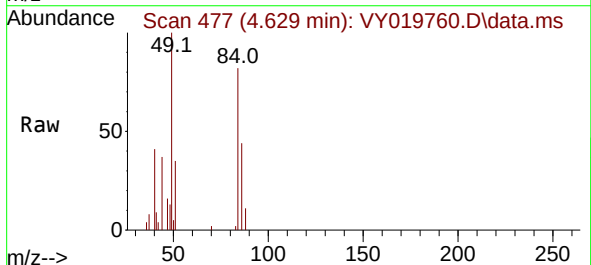
Instrument :
MSVOA_Y
ClientSampleId :

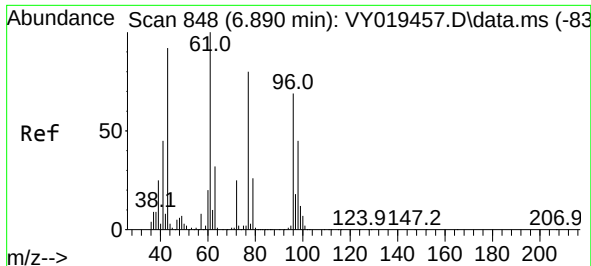
Tgt Ion: 43 Resp: 11751
Ion Ratio Lower Upper
43 100
58 32.4 31.7 47.5



#20
Methylene Chloride
Concen: 4.311 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.013 min
Lab File: VY019760.D
Acq: 02 Oct 2024 13:26

Tgt Ion: 84 Resp: 6621
Ion Ratio Lower Upper
84 100
49 121.9 84.4 126.6
51 42.9 26.0 39.0#
86 53.9 49.5 74.3





#25

2-Butanone

Concen: 2.769 ug/l

RT: 6.884 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY019760.D

Acq: 02 Oct 2024 13:26

Instrument :

MSVOA_Y

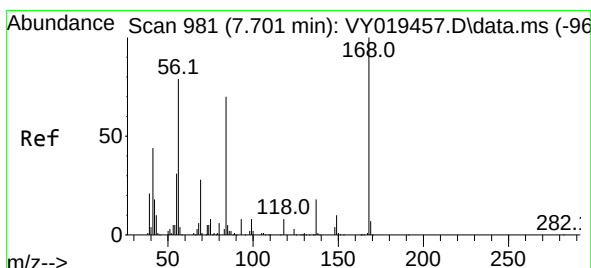
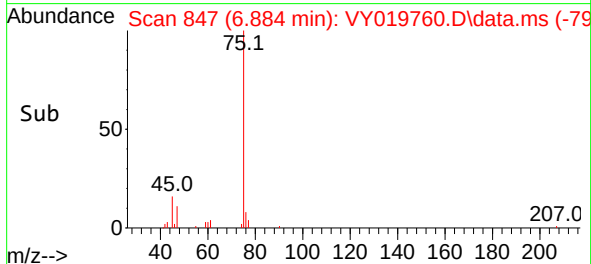
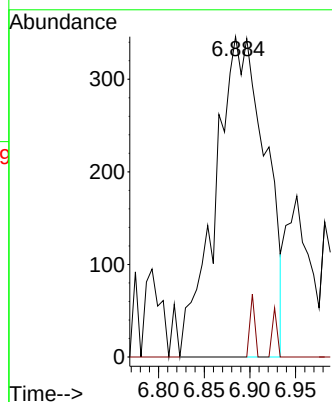
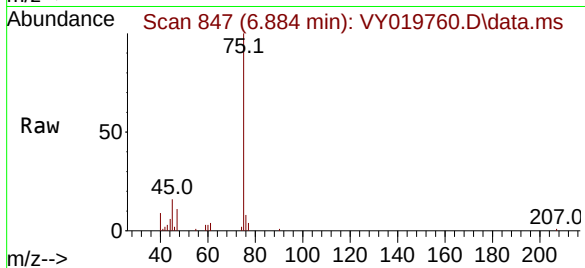
ClientSampleId :

Tgt Ion: 43 Resp: 1326

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: 1.581 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.007 min

Lab File: VY019760.D

Acq: 02 Oct 2024 13:26

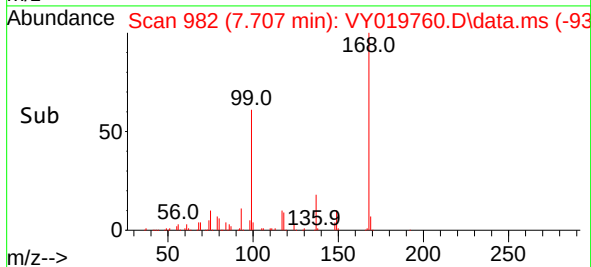
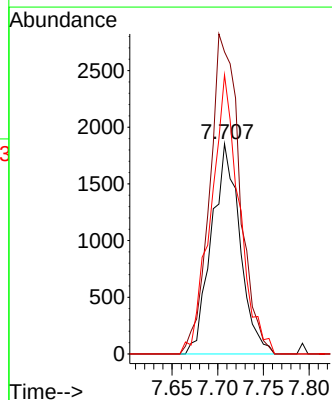
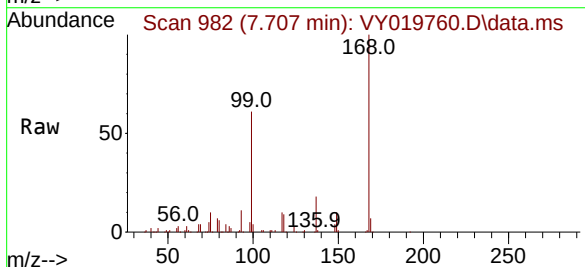
Tgt Ion: 56 Resp: 3999

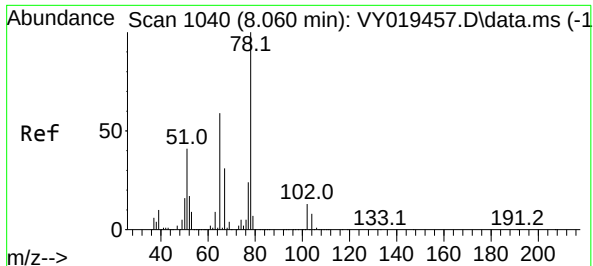
Ion Ratio Lower Upper

56 100

69 143.8 28.7 43.1#

84 132.8 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 61.669 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019760.D

Acq: 02 Oct 2024 13:26

Instrument :

MSVOA_Y

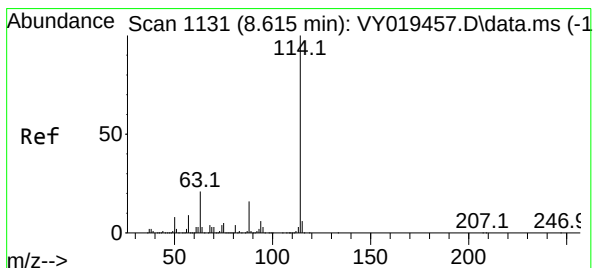
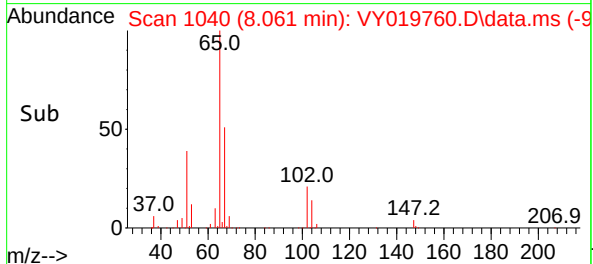
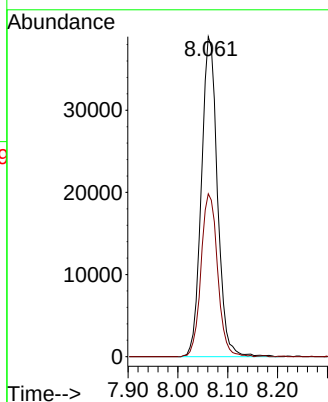
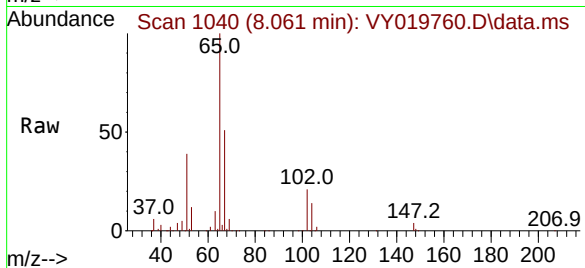
ClientSampleId :

Tgt Ion: 65 Resp: 87168

Ion Ratio Lower Upper

65 100

67 52.5 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: VY019760.D

Acq: 02 Oct 2024 13:26

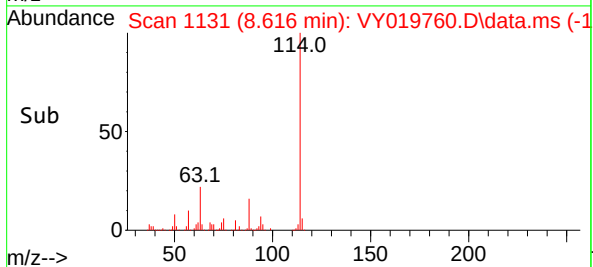
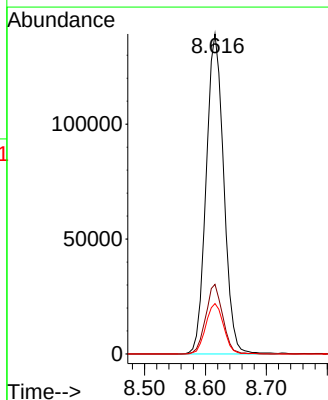
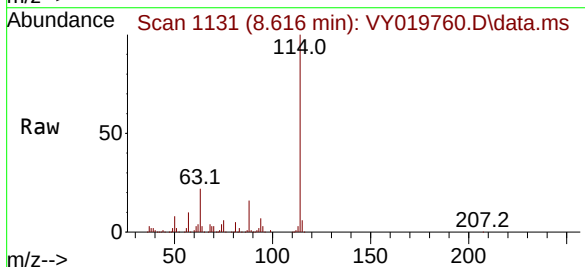
Tgt Ion: 114 Resp: 278945

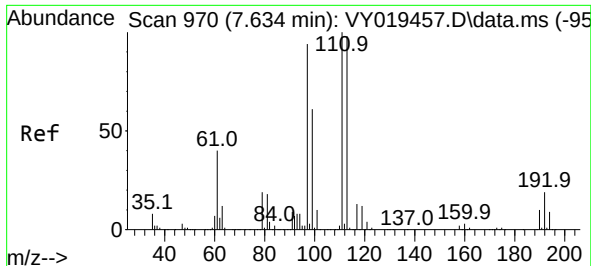
Ion Ratio Lower Upper

114 100

63 21.7 0.0 35.0

88 15.8 0.0 27.2

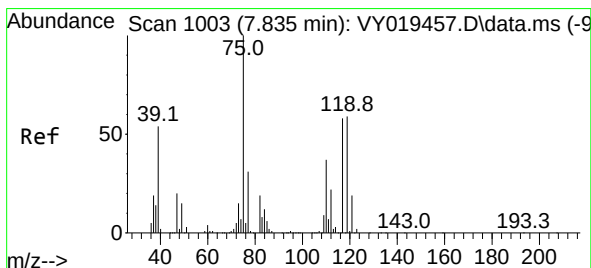
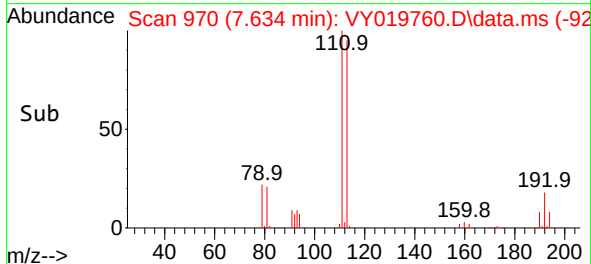
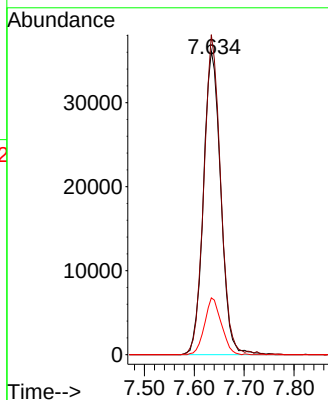
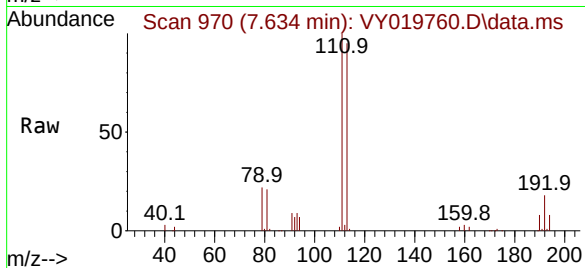




#35
Dibromofluoromethane
Concen: 55.032 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019760.D
Acq: 02 Oct 2024 13:26

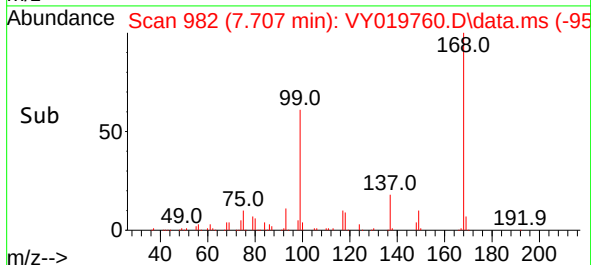
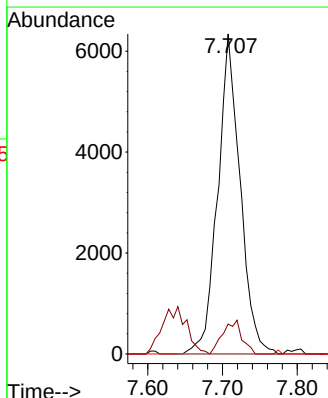
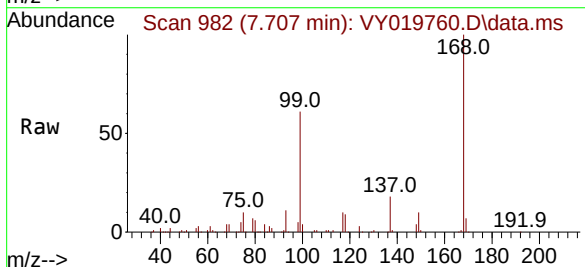
Instrument :
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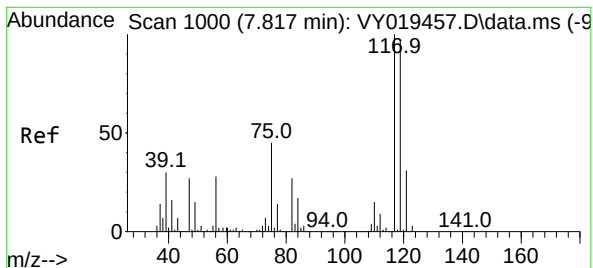
Tgt Ion:113 Resp: 87036
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.4
192 18.1 15.9 23.9



#36
1,1-Dichloropropene
Concen: 6.142 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY019760.D
Acq: 02 Oct 2024 13:26

Tgt Ion: 75 Resp: 13217
Ion Ratio Lower Upper
75 100
110 9.0 19.0 57.0#
77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.738 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.103 min

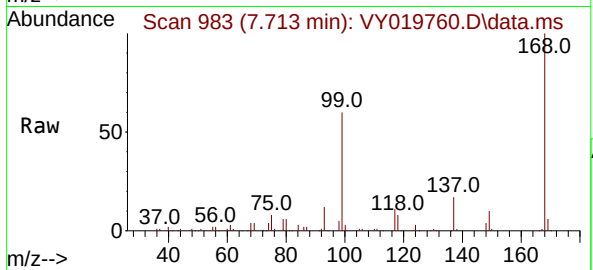
Lab File: VY019760.D

Acq: 02 Oct 2024 13:26

Instrument :

MSVOA_Y

ClientSampleId :



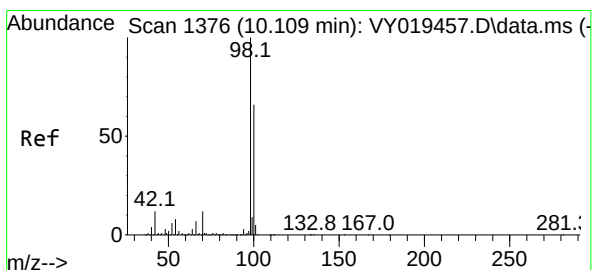
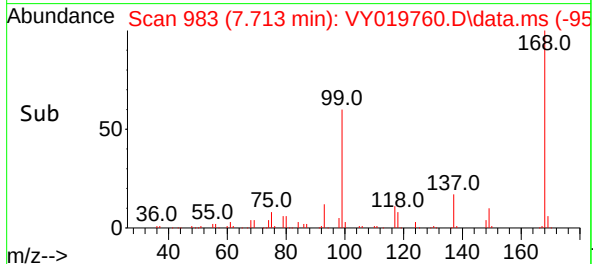
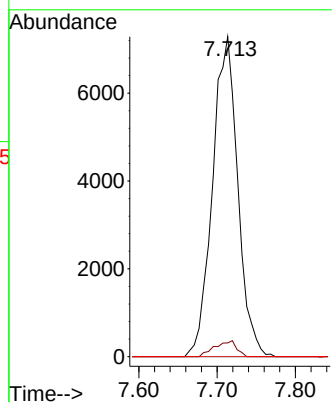
Tgt Ion:117 Resp: 16353

Ion Ratio Lower Upper

117 100

119 4.3 75.8 113.6#

121 0.0 24.0 36.0#



#50

Toluene-d8

Concen: 54.939 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY019760.D

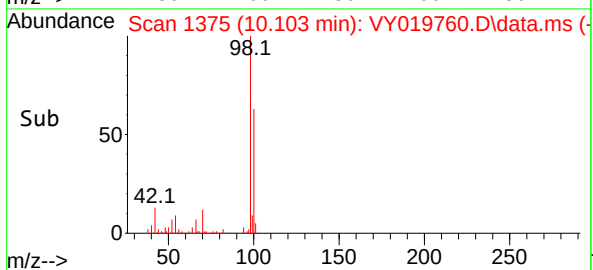
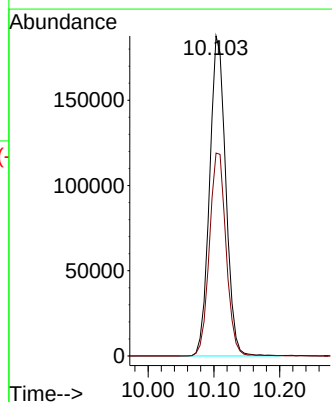
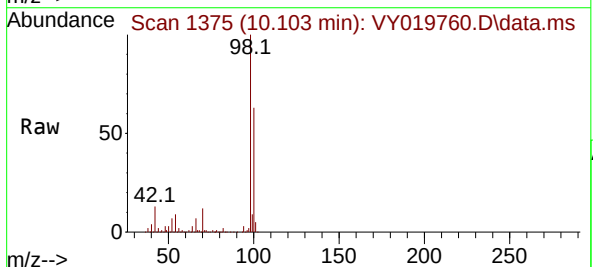
Acq: 02 Oct 2024 13:26

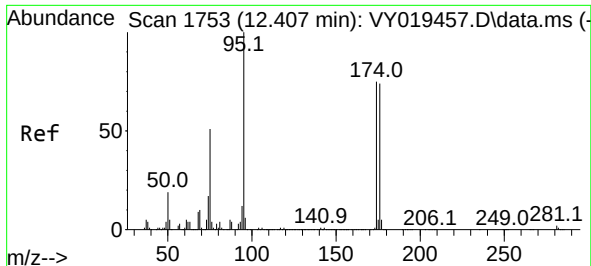
Tgt Ion: 98 Resp: 321386

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0

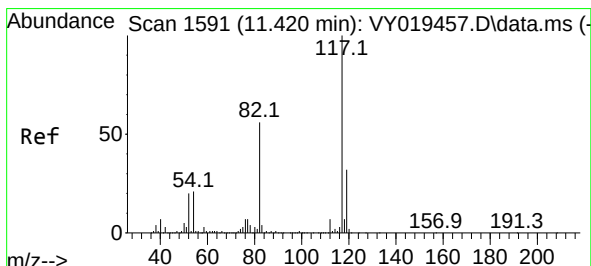
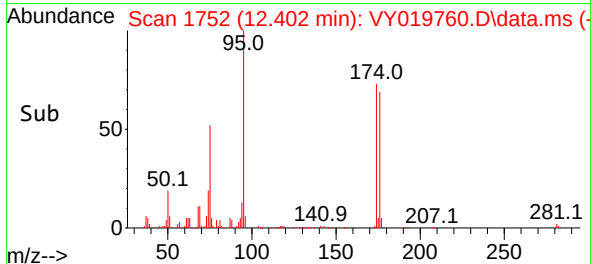
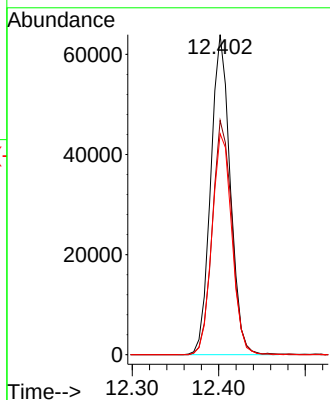
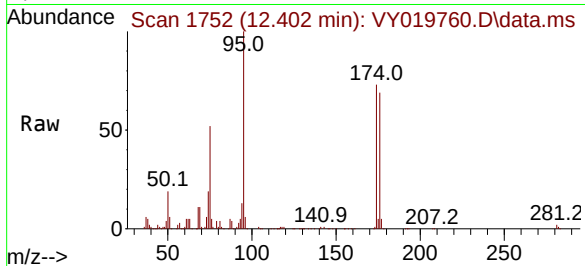




#62
4-Bromofluorobenzene
Concen: 44.441 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019760.D
Acq: 02 Oct 2024 13:26

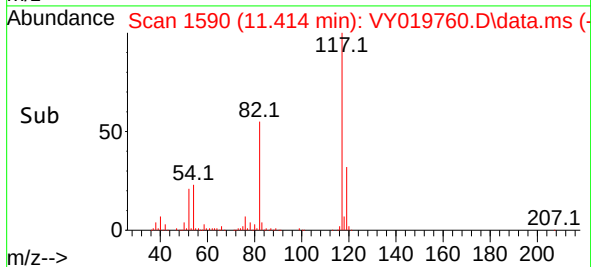
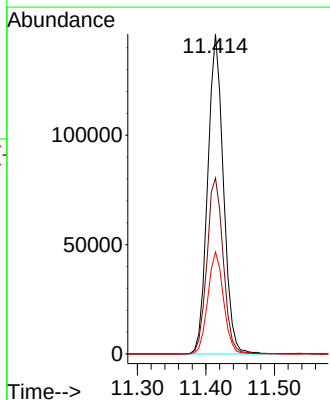
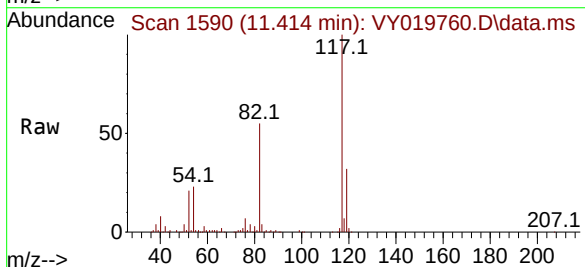
Instrument :
MSVOA_Y
ClientSampleId :

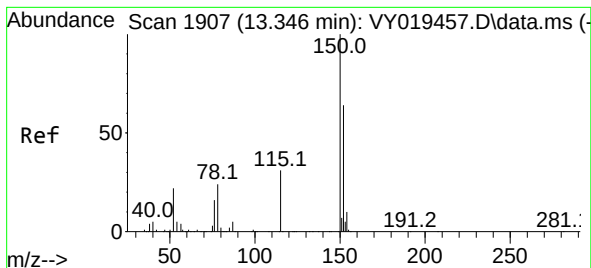
Tgt Ion: 95 Resp: 99962
Ion Ratio Lower Upper
95 100
174 73.8 0.0 175.6
176 70.3 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019760.D
Acq: 02 Oct 2024 13:26

Tgt Ion: 117 Resp: 233655
Ion Ratio Lower Upper
117 100
82 55.0 42.4 63.6
119 31.9 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY019760.D

Acq: 02 Oct 2024 13:26

Instrument :

MSVOA_Y

ClientSampleId :

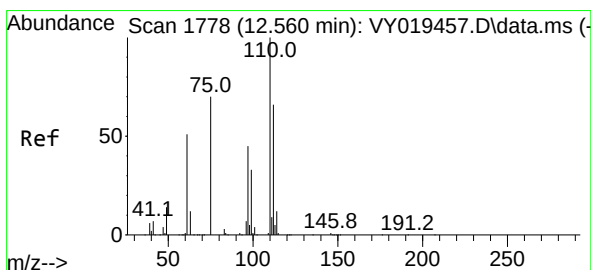
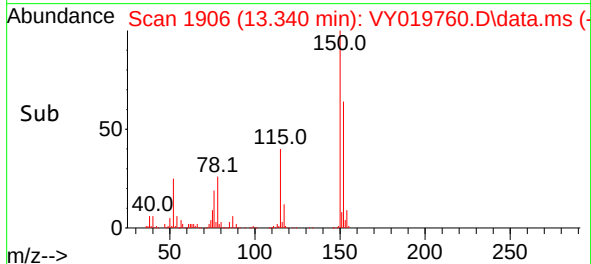
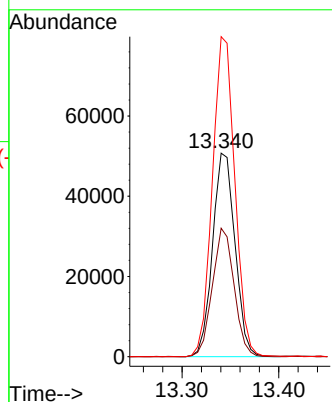
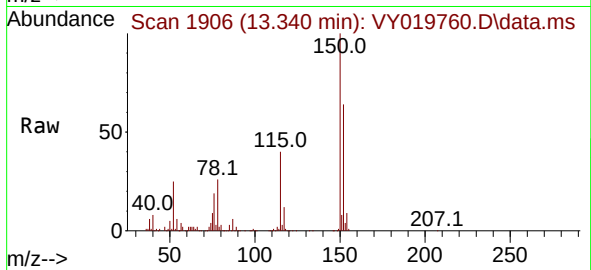
Tgt Ion:152 Resp: 81793

Ion Ratio Lower Upper

152 100

115 61.1 28.2 84.7

150 157.2 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 68.649 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019760.D

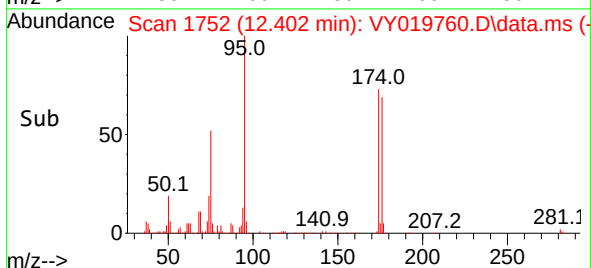
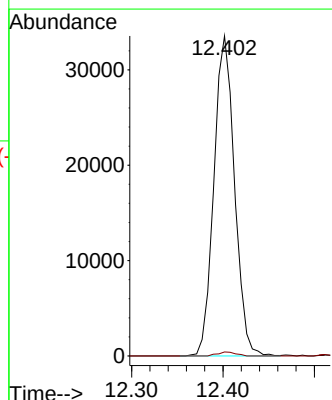
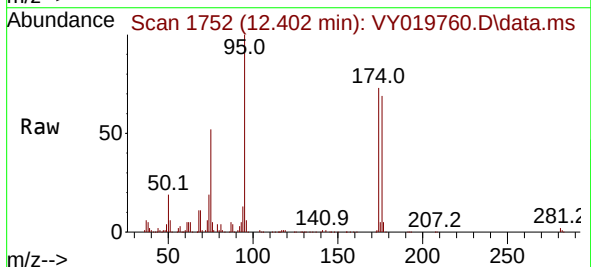
Acq: 02 Oct 2024 13:26

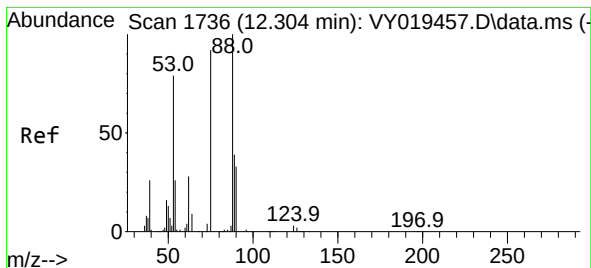
Tgt Ion: 75 Resp: 52629

Ion Ratio Lower Upper

75 100

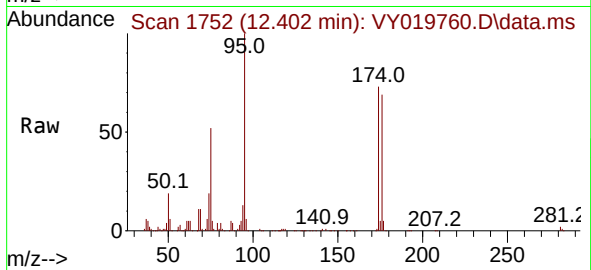
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.786 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY019760.D
 Acq: 02 Oct 2024 13:26

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 52629
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.1 35.8 53.6#

