

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092024\
 Data File : VY019647.D
 Acq On : 20 Sep 2024 15:46
 Operator : SY/MD
 Sample : P4120-13
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:50:57 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)

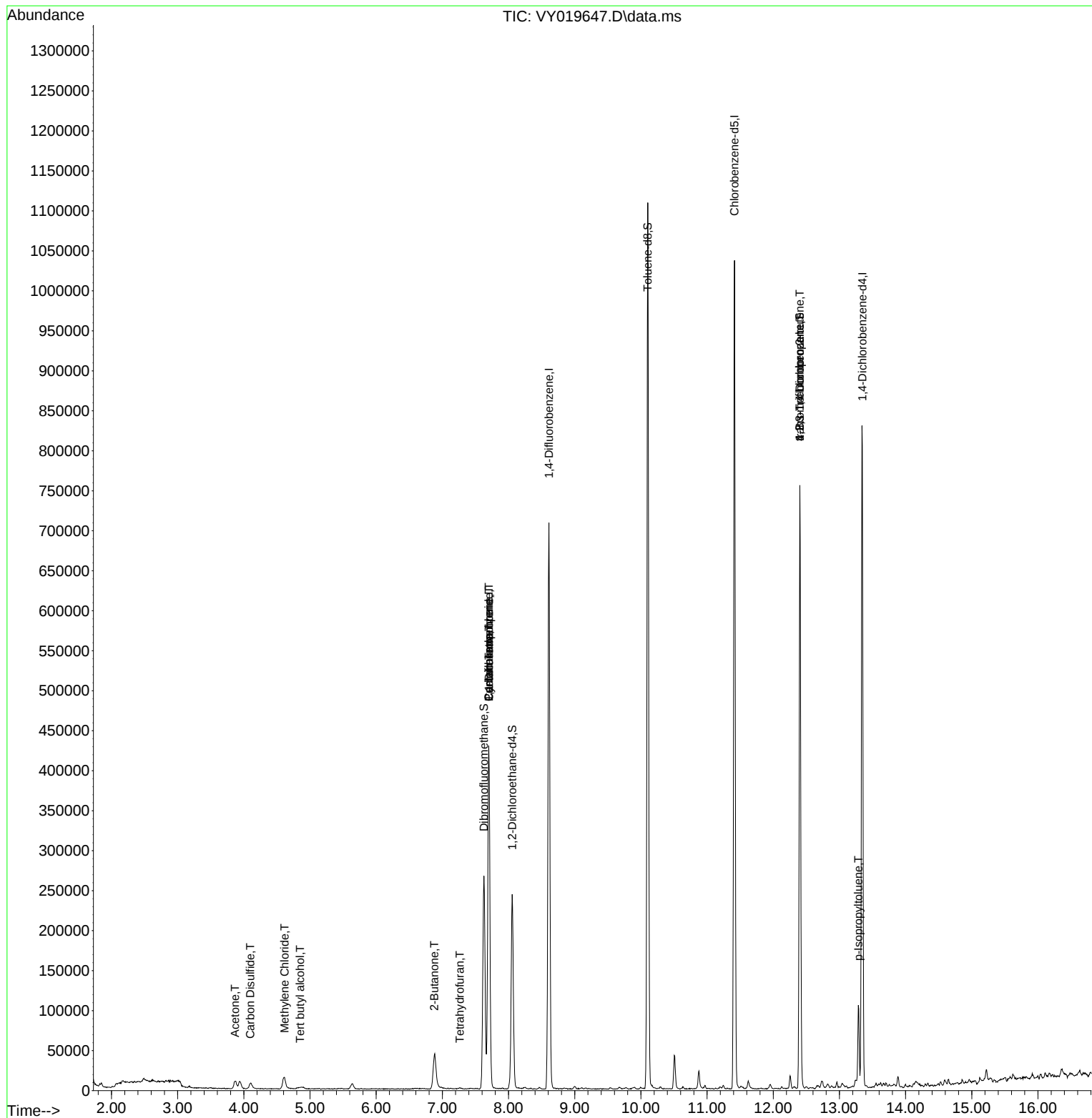
Internal Standards						
1) Pentafluorobenzene	7.701	168	314883	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.610	114	588344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	534527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	204306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	187901	64.444	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.880%	
35) Dibromofluoromethane	7.628	113	189304	56.749	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.500%	
50) Toluene-d8	10.103	98	701118	56.824	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.640%	
62) 4-Bromofluorobenzene	12.402	95	233006	49.114	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 98.220%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	21	Below Cal	#	43
11) Tert butyl alcohol	4.848	59	2356	10.006	ug/l	# 84
13) Acrolein	3.653	56	186	Below Cal		94
16) Acetone	3.866	43	18955	27.288	ug/l	87
17) Carbon Disulfide	4.098	76	13640	1.807	ug/l	# 95
20) Methylene Chloride	4.616	84	10774	3.401	ug/l	# 94
25) 2-Butanone	6.878	43	6088	6.162	ug/l	# 62
29) Tetrahydrofuran	7.262	42	943	1.570	ug/l	# 37
31) Cyclohexane	7.701	56	7761	1.487	ug/l	# 10
36) 1,1-Dichloropropene	7.701	75	26792	5.903	ug/l	# 49
38) Carbon Tetrachloride	7.701	117	33463	6.537	ug/l	# 16
76) 1,2,3-Trichloropropane	12.402	75	124814	65.179	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.402	75	124814	125.125	ug/l	# 16
86) p-Isopropyltoluene	13.286	119	52526	4.051	ug/l	95

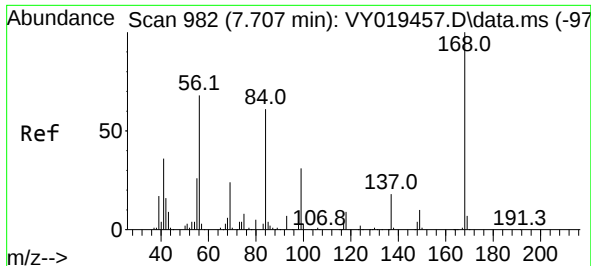
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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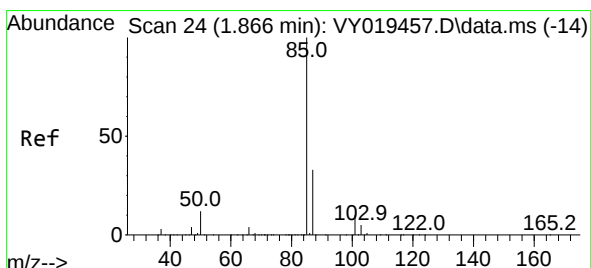
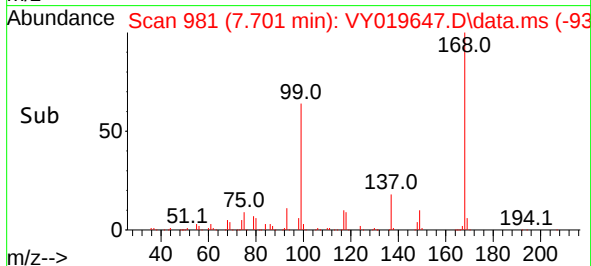
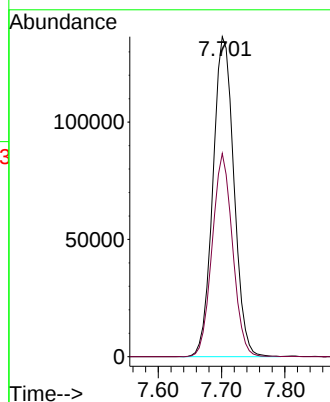
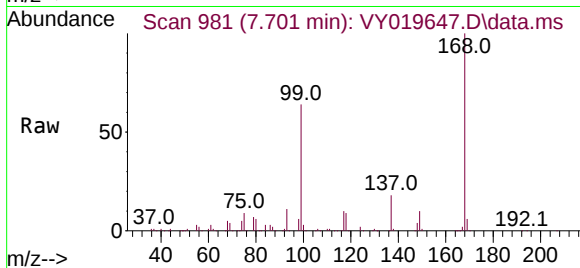




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019647.D
Acq: 20 Sep 2024 15:46

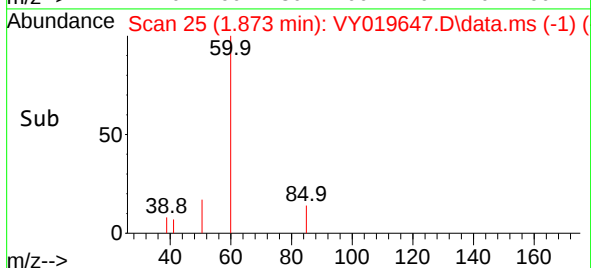
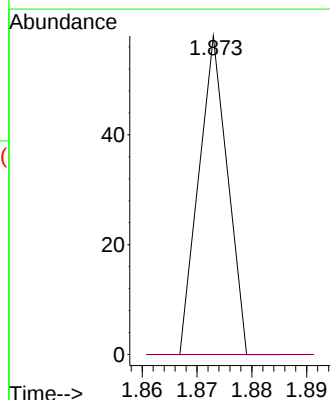
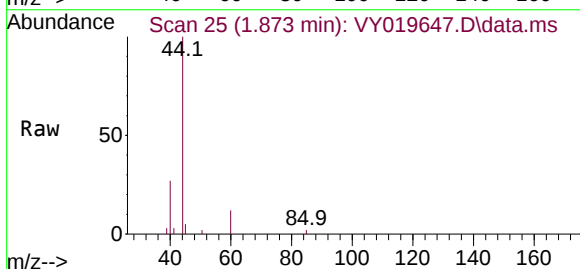
Instrument :
MSVOA_Y
ClientSampleId :

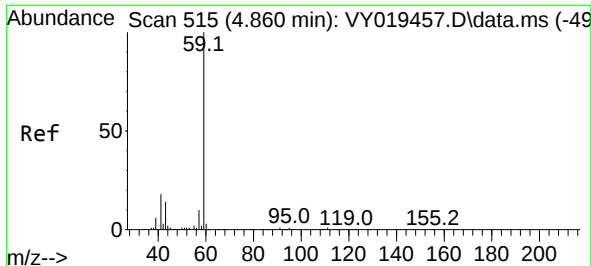
Tgt Ion:168 Resp: 314883
Ion Ratio Lower Upper
168 100
99 63.5 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.873 min Scan# 25
Delta R.T. 0.007 min
Lab File: VY019647.D
Acq: 20 Sep 2024 15:46

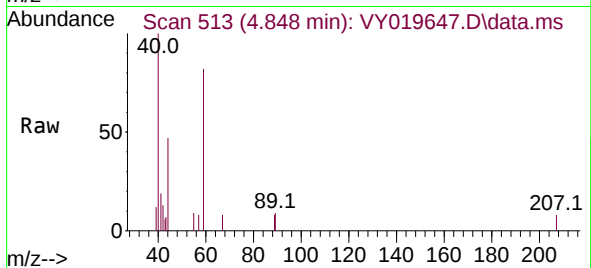
Tgt Ion: 85 Resp: 21
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#



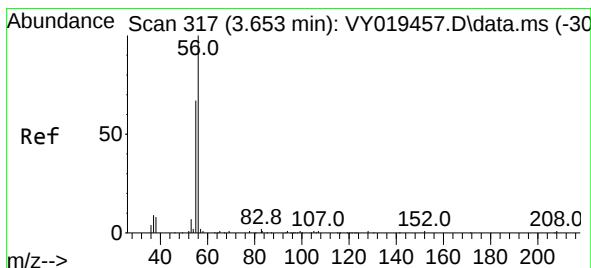
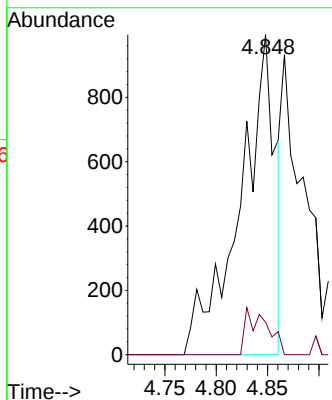
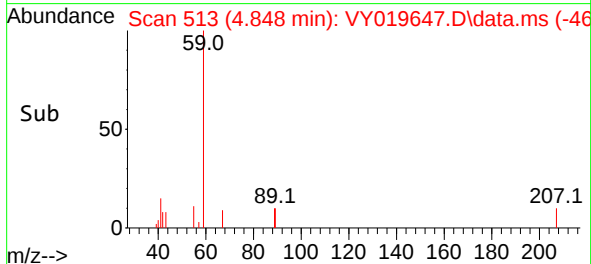


#11
Tert butyl alcohol
Concen: 10.006 ug/l
RT: 4.848 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY019647.D
Acq: 20 Sep 2024 15:46

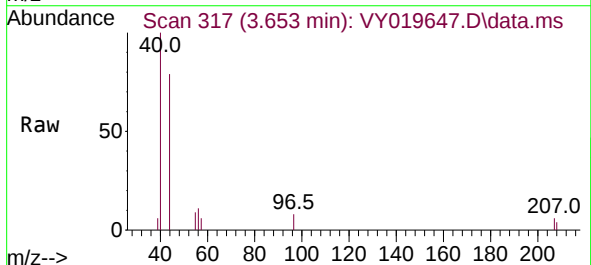
Instrument :
MSVOA_Y
ClientSampleId :



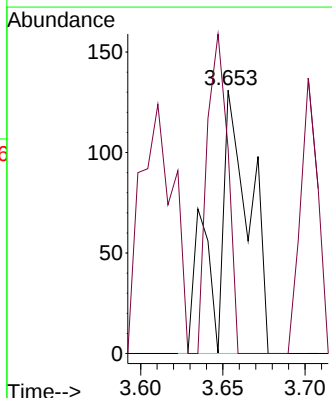
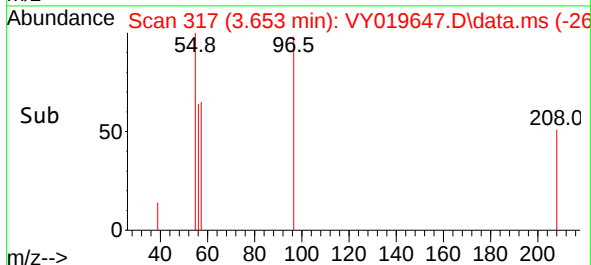
Tgt Ion: 59 Resp: 2356
Ion Ratio Lower Upper
59 100
57 8.9 3.0 4.6#



#13
Acrolein
Concen: Below Cal
RT: 3.653 min Scan# 317
Delta R.T. 0.000 min
Lab File: VY019647.D
Acq: 20 Sep 2024 15:46



Tgt Ion: 56 Resp: 186
Ion Ratio Lower Upper
56 100
55 74.2 55.7 83.5

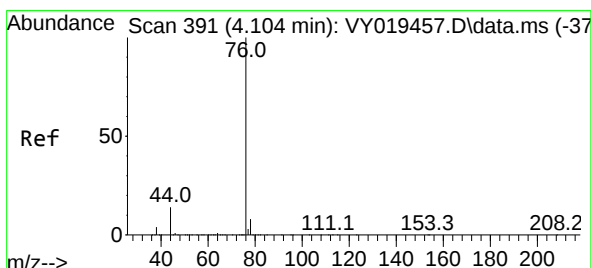
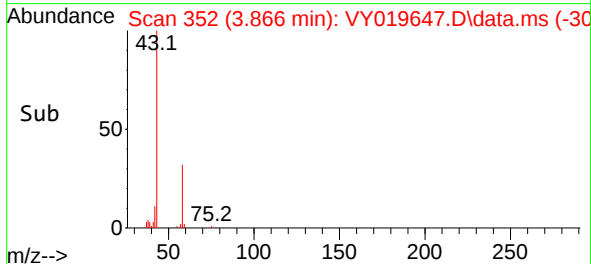
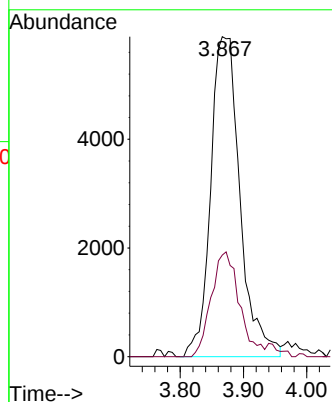
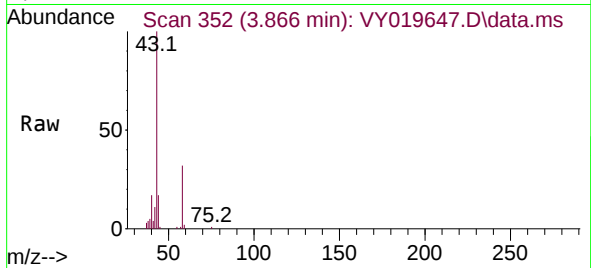




#16
Acetone
Concen: 27.288 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY019647.D
Acq: 20 Sep 2024 15:46

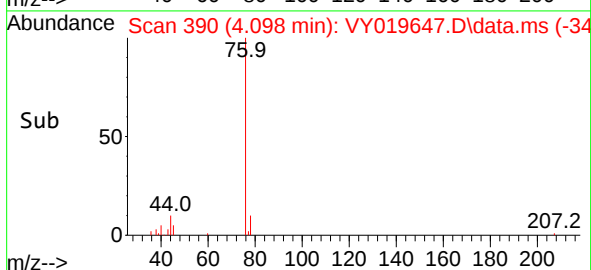
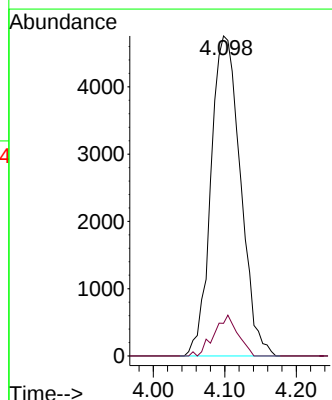
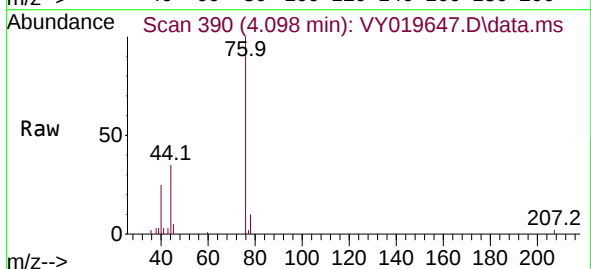
Instrument :
MSVOA_Y
ClientSampleId :

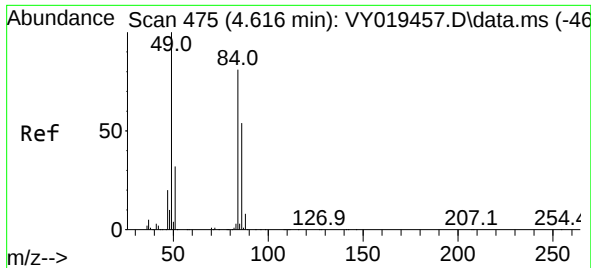
Tgt Ion: 43 Resp: 18955
Ion Ratio Lower Upper
43 100
58 31.7 31.7 47.5



#17
Carbon Disulfide
Concen: 1.807 ug/l
RT: 4.098 min Scan# 390
Delta R.T. -0.006 min
Lab File: VY019647.D
Acq: 20 Sep 2024 15:46

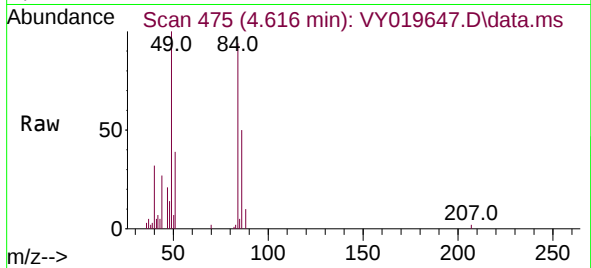
Tgt Ion: 76 Resp: 13640
Ion Ratio Lower Upper
76 100
78 10.2 6.8 10.2#



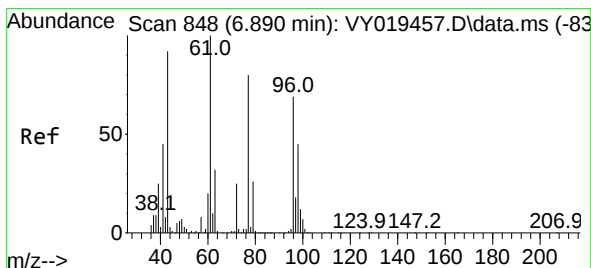
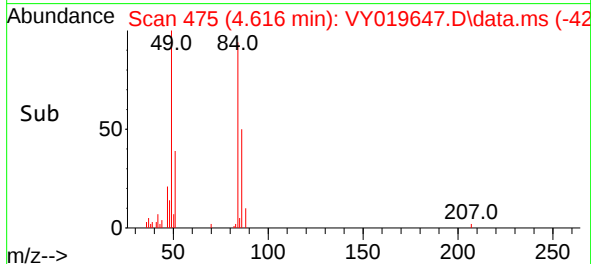
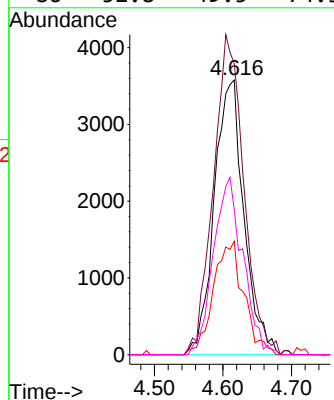


#20
Methylene Chloride
Concen: 3.401 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY019647.D
Acq: 20 Sep 2024 15:46

Instrument :
MSVOA_Y
ClientSampleId :

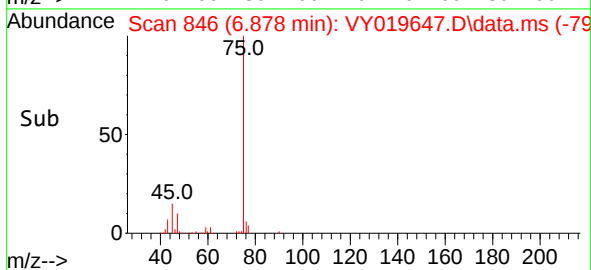
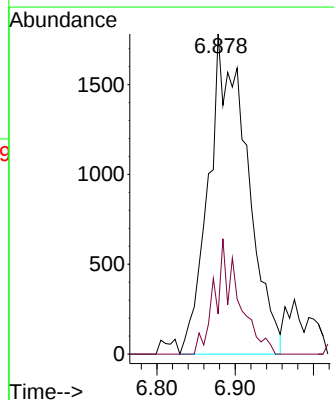
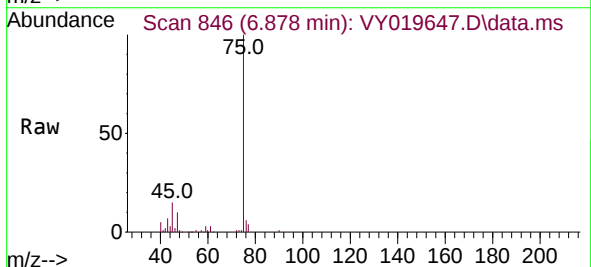


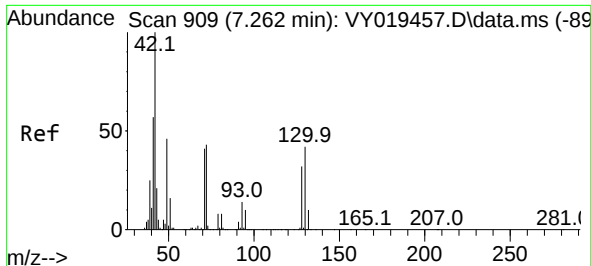
Tgt Ion:	84	Resp:	10774
Ion	Ratio	Lower	Upper
84	100		
49	105.9	84.4	126.6
51	41.3	26.0	39.0#
86	52.8	49.5	74.3



#25
2-Butanone
Concen: 6.162 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY019647.D
Acq: 20 Sep 2024 15:46

Tgt Ion:	43	Resp:	6088
Ion	Ratio	Lower	Upper
43	100		
72	12.5	27.3	40.9#

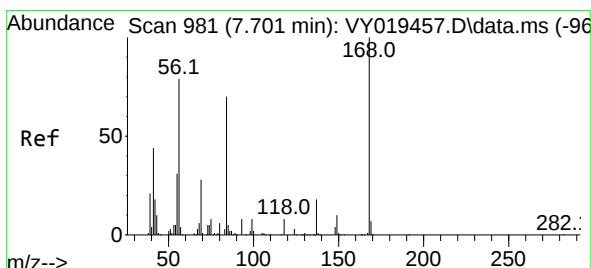
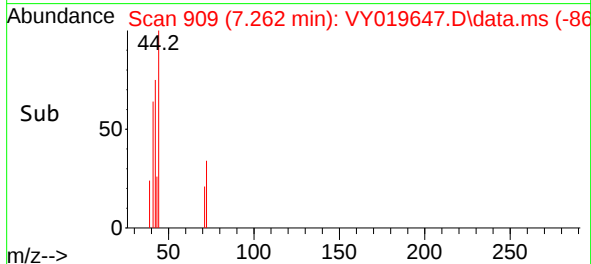
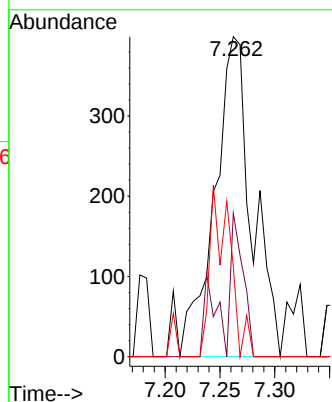
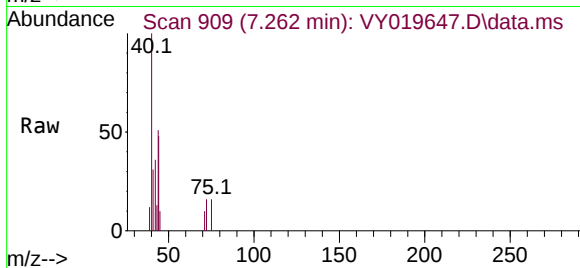




#29
Tetrahydrofuran
Concen: 1.570 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY019647.D
Acq: 20 Sep 2024 15:46

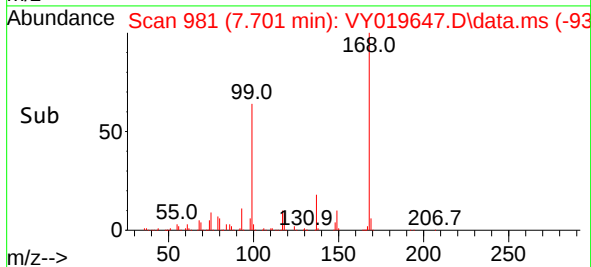
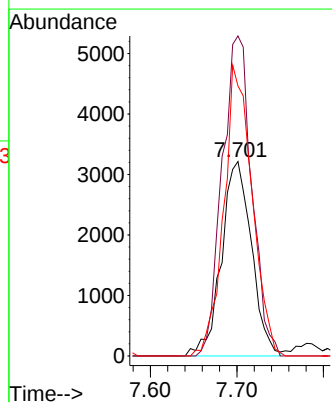
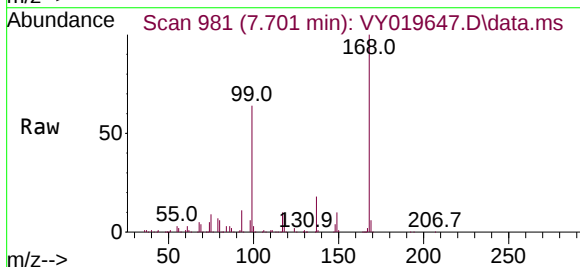
Instrument :
MSVOA_Y
ClientSampleId :

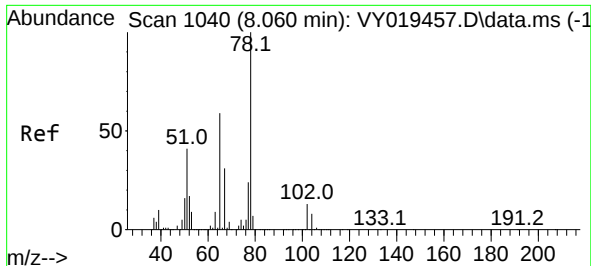
Tgt Ion: 42 Resp: 943
Ion Ratio Lower Upper
42 100
72 15.1 43.0 64.4#
71 0.0 40.8 61.2#



#31
Cyclohexane
Concen: 1.487 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019647.D
Acq: 20 Sep 2024 15:46

Tgt Ion: 56 Resp: 7761
Ion Ratio Lower Upper
56 100
69 164.6 28.7 43.1#
84 139.0 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 64.444 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY019647.D

Acq: 20 Sep 2024 15:46

Instrument :

MSVOA_Y

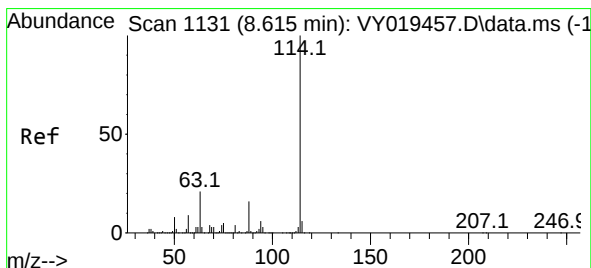
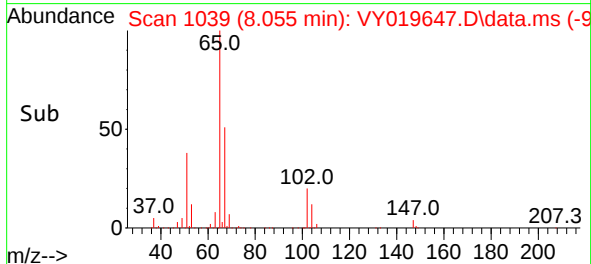
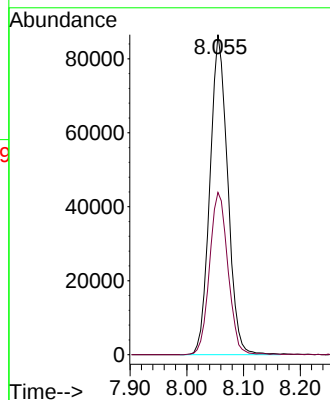
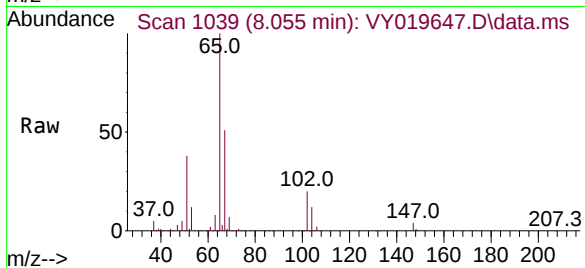
ClientSampleId :

Tgt Ion: 65 Resp: 187901

Ion Ratio Lower Upper

65 100

67 52.6 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY019647.D

Acq: 20 Sep 2024 15:46

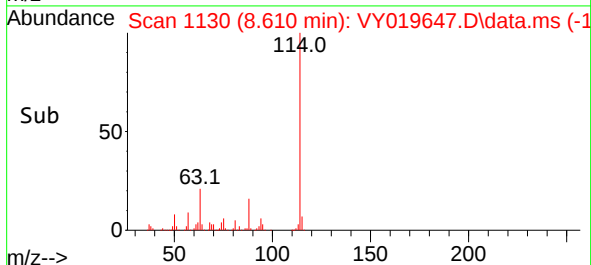
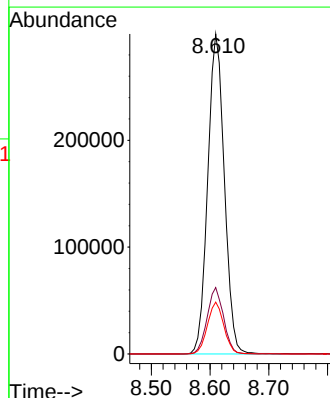
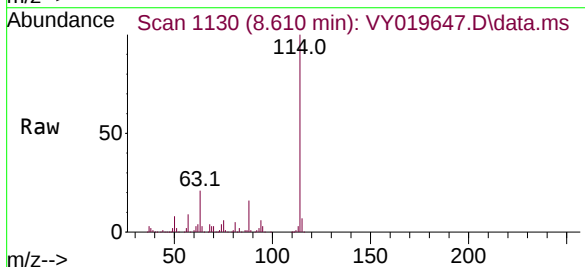
Tgt Ion: 114 Resp: 588344

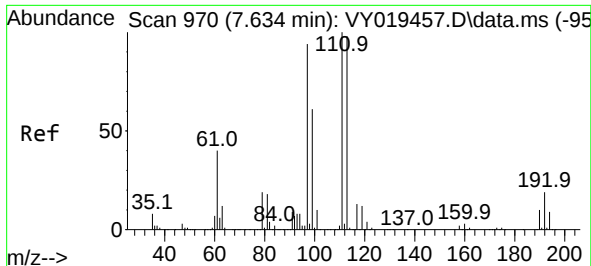
Ion Ratio Lower Upper

114 100

63 20.7 0.0 35.0

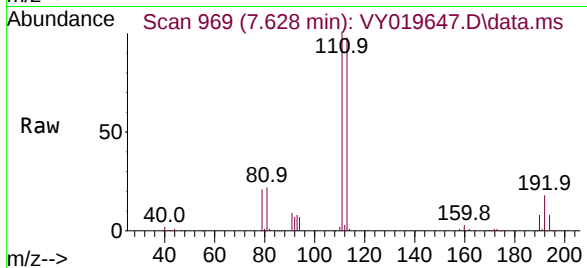
88 16.2 0.0 27.2



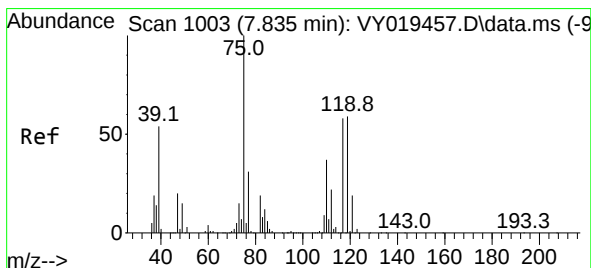
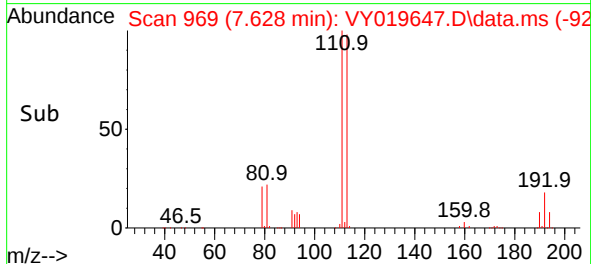
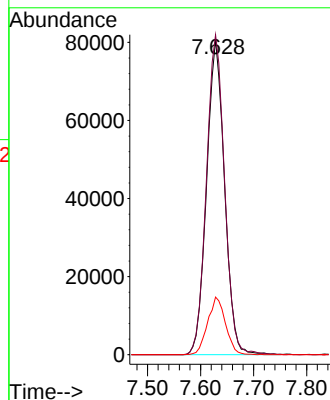


#35
Dibromofluoromethane
Concen: 56.749 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY019647.D
Acq: 20 Sep 2024 15:46

Instrument :
MSVOA_Y
ClientSampleId :

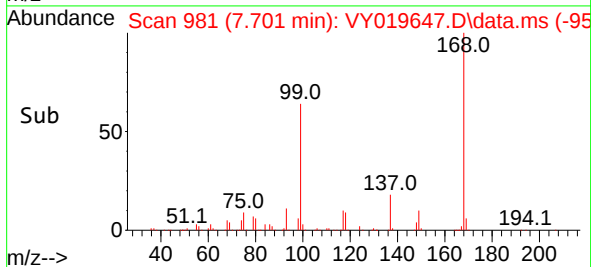
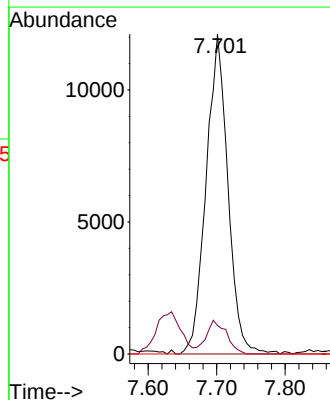
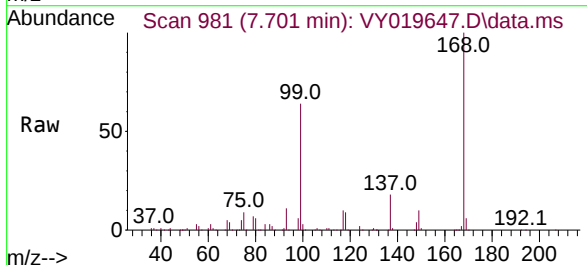


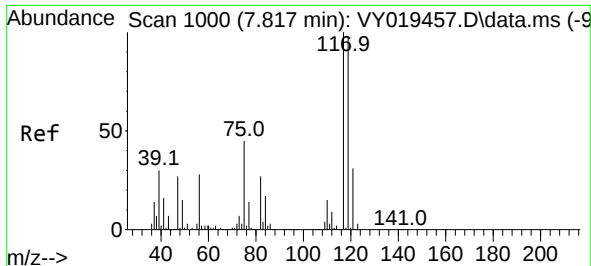
Tgt Ion:113 Resp: 189304
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 18.2 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.903 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY019647.D
Acq: 20 Sep 2024 15:46

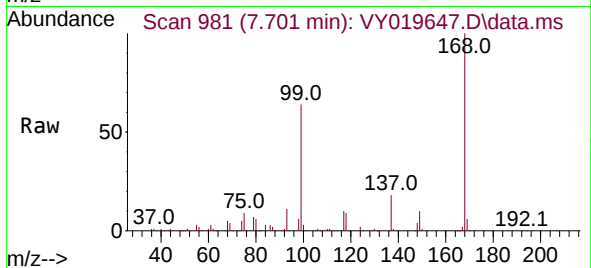
Tgt Ion: 75 Resp: 26792
Ion Ratio Lower Upper
75 100
110 10.0 19.0 57.0#
77 0.0 25.3 37.9#



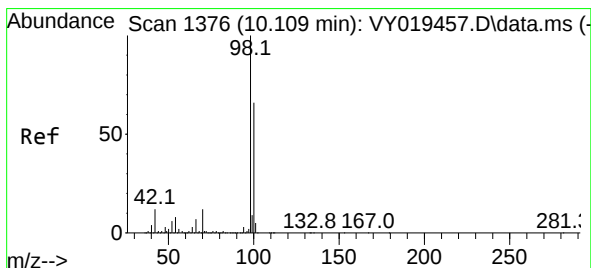
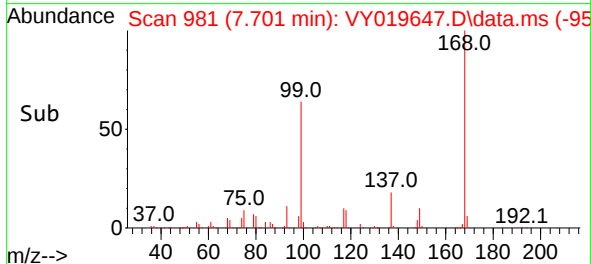
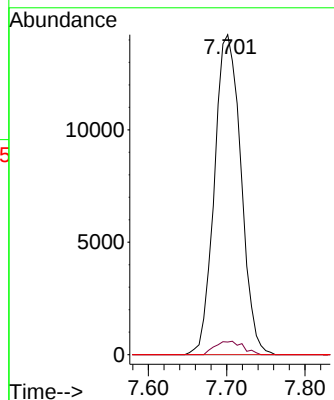


#38
Carbon Tetrachloride
Concen: 6.537 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY019647.D
Acq: 20 Sep 2024 15:46

Instrument :
MSVOA_Y
ClientSampleId :

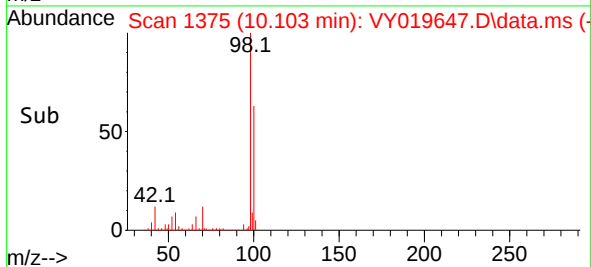
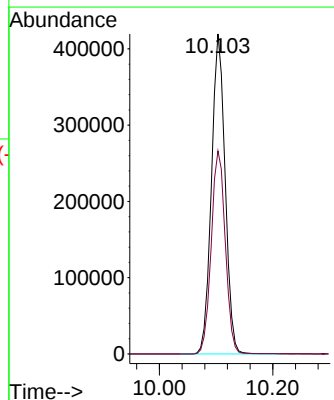
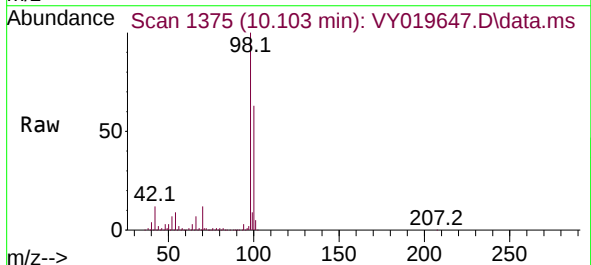


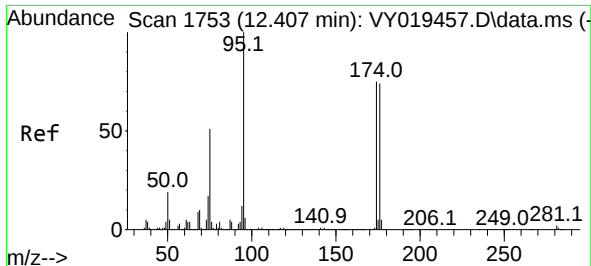
Tgt Ion:117 Resp: 33463
Ion Ratio Lower Upper
117 100
119 3.9 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 56.824 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019647.D
Acq: 20 Sep 2024 15:46

Tgt Ion: 98 Resp: 701118
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 49.114 ug/l

RT: 12.402 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019647.D

Acq: 20 Sep 2024 15:46

Instrument :

MSVOA_Y

ClientSampleId :

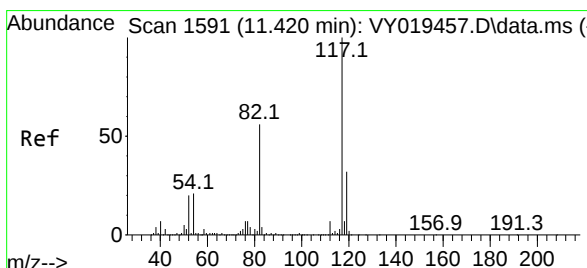
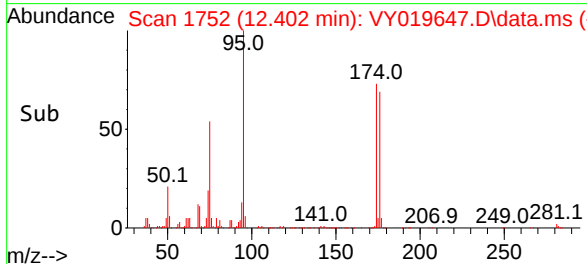
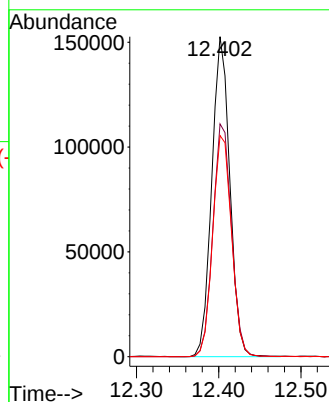
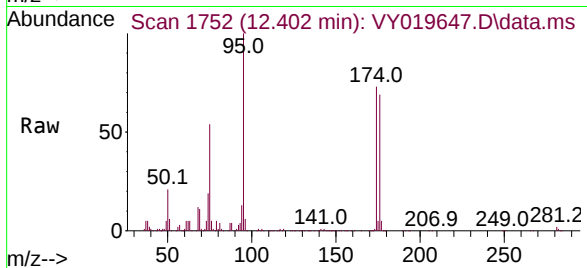
Tgt Ion: 95 Resp: 233006

Ion Ratio Lower Upper

95 100

174 75.0 0.0 175.6

176 72.2 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: VY019647.D

Acq: 20 Sep 2024 15:46

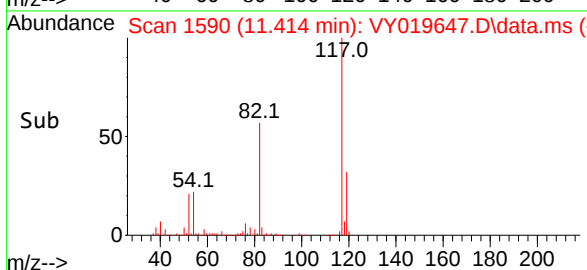
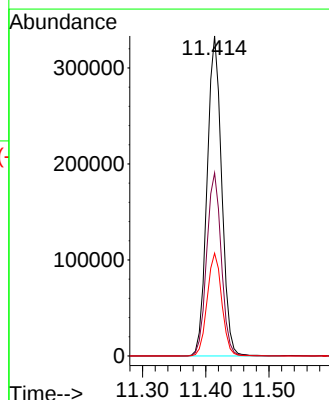
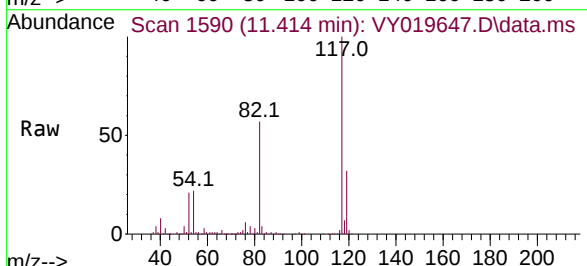
Tgt Ion: 117 Resp: 534527

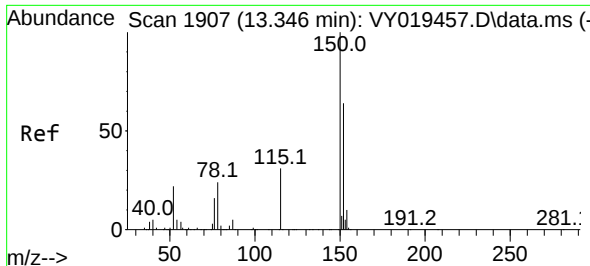
Ion Ratio Lower Upper

117 100

82 57.2 42.4 63.6

119 32.1 25.9 38.9

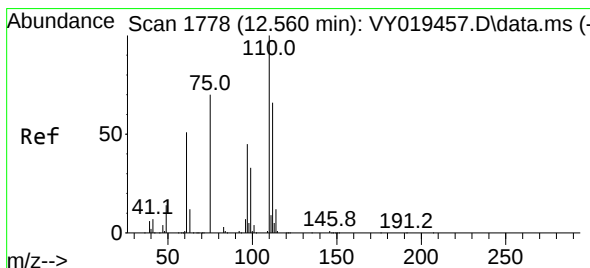
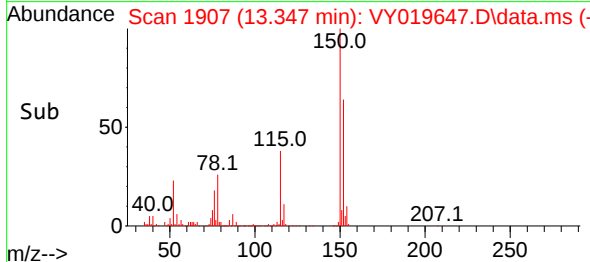
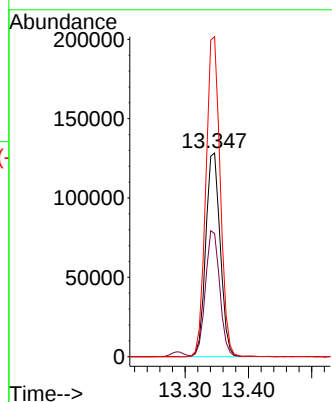
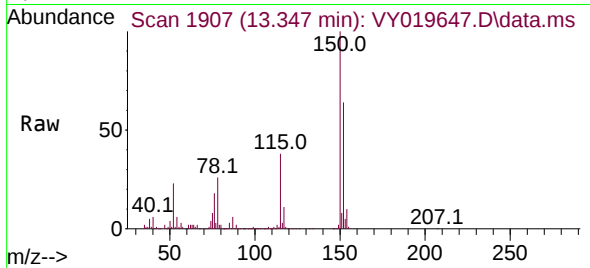




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY019647.D
 Acq: 20 Sep 2024 15:46

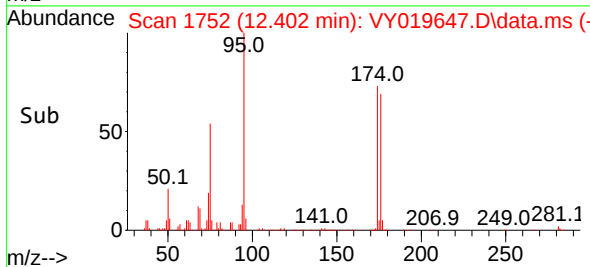
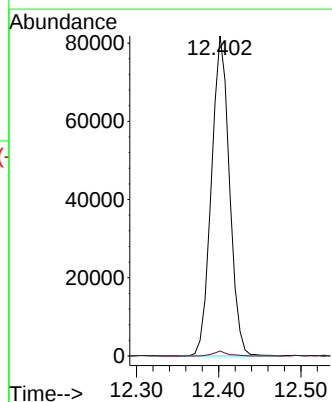
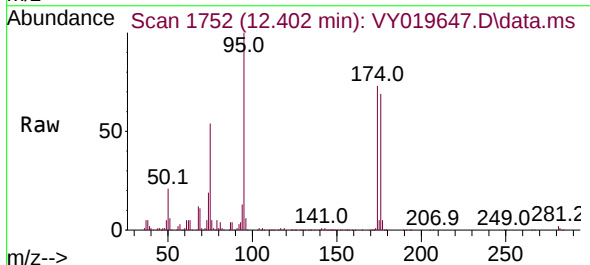
Instrument :
 MSVOA_Y
 ClientSampleId :

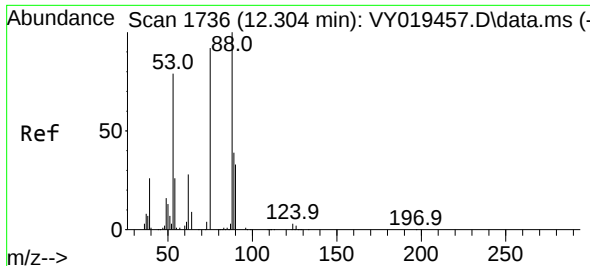
Tgt Ion:152 Resp: 204306
 Ion Ratio Lower Upper
 152 100
 115 60.9 28.2 84.7
 150 155.6 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 65.179 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.158 min
 Lab File: VY019647.D
 Acq: 20 Sep 2024 15:46

Tgt Ion: 75 Resp: 124814
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

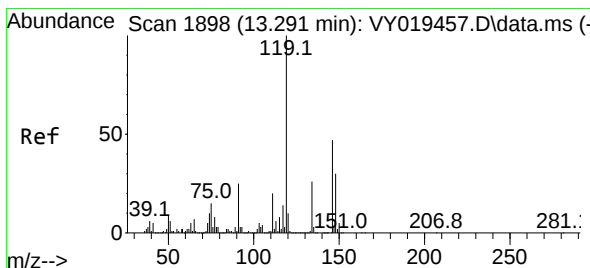
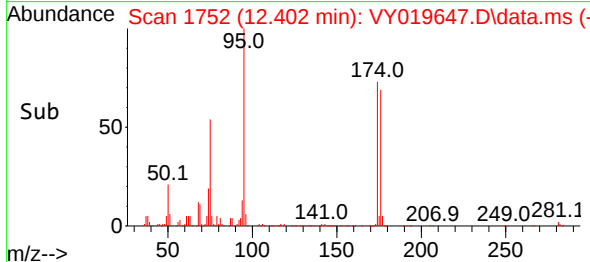
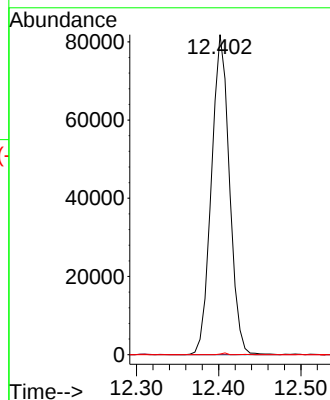
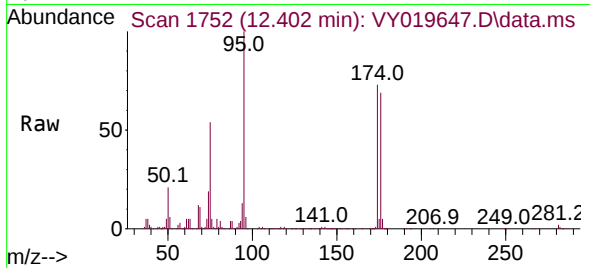




#81
trans-1,4-Dichloro-2-butene
Concen: 125.125 ug/l
RT: 12.402 min Scan# 1736
Delta R.T. 0.098 min
Lab File: VY019647.D
Acq: 20 Sep 2024 15:46

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 124814
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.2 35.8 53.6#



#86
p-Isopropyltoluene
Concen: 4.051 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. -0.006 min
Lab File: VY019647.D
Acq: 20 Sep 2024 15:46

Tgt Ion: 119 Resp: 52526
Ion Ratio Lower Upper
119 100
134 26.3 13.1 39.3
91 26.3 10.7 32.1

