

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091824\
 Data File : VY019615.D
 Acq On : 18 Sep 2024 18:51
 Operator : SY/MD
 Sample : P4087-33
 Misc : 4.47g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 19 01:27:44 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)

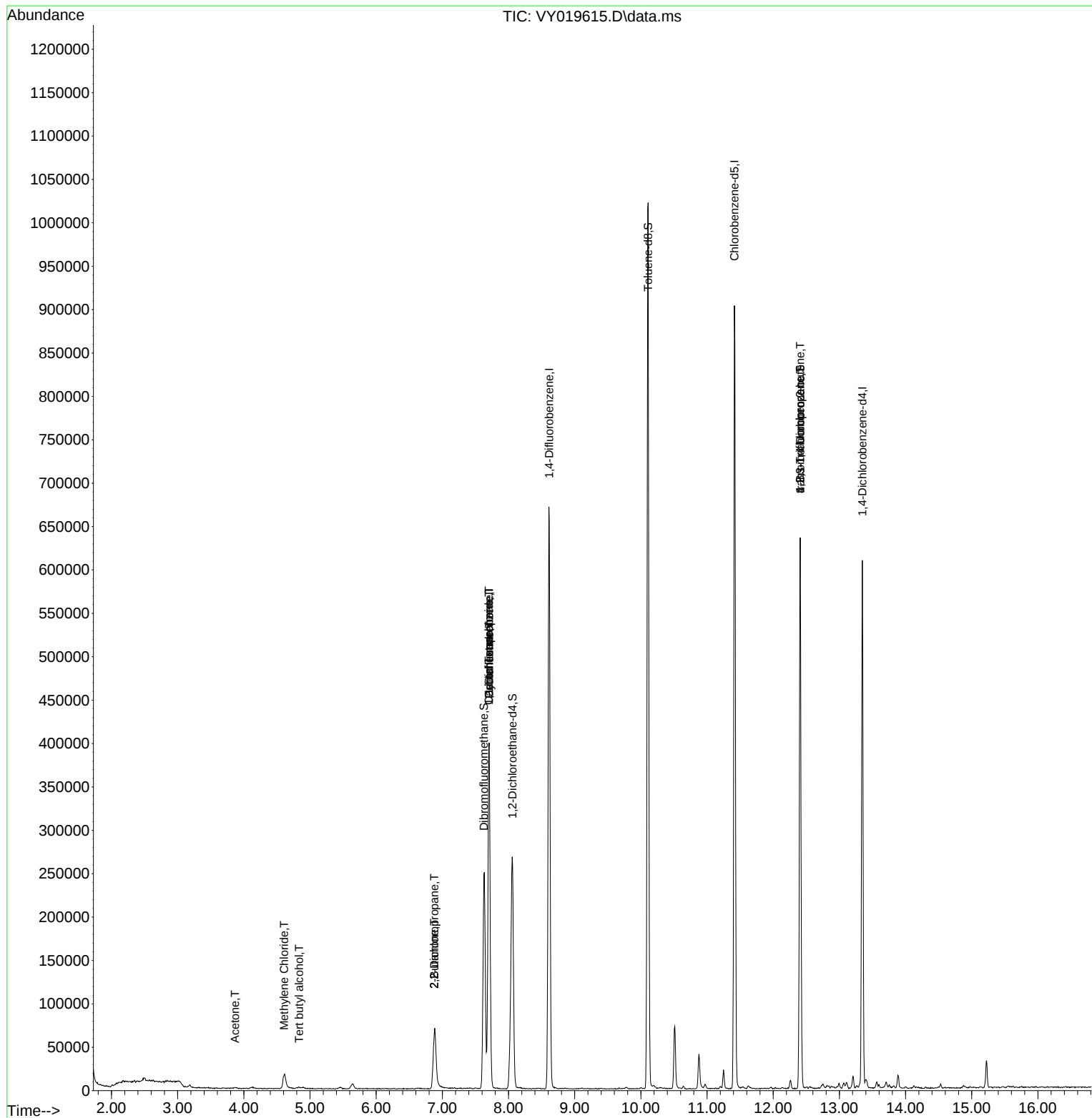
Internal Standards						
1) Pentafluorobenzene	7.707	168	293700	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	566693	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	469667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	179344	65.945	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.900%	
35) Dibromofluoromethane	7.628	113	179449	55.850	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.700%	
50) Toluene-d8	10.109	98	662246	55.724	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.440%	
62) 4-Bromofluorobenzene	12.408	95	187928	41.126	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 82.260%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	146	Below Cal	#	43
11) Tert butyl alcohol	4.836	59	2525	11.497	ug/l	100
13) Acrolein	3.635	56	84	Below Cal		99
16) Acetone	3.866	43	1762	2.720	ug/l	91
20) Methylene Chloride	4.610	84	12020	4.068	ug/l	# 93
25) 2-Butanone	6.878	43	4452	4.831	ug/l	# 53
26) 2,2-Dichloropropane	6.878	77	5115	1.053	ug/l	# 51
31) Cyclohexane	7.707	56	7382	1.517	ug/l	# 22
36) 1,1-Dichloropropene	7.701	75	25988	5.944	ug/l	# 48
38) Carbon Tetrachloride	7.701	117	31704	6.430	ug/l	# 17
76) 1,2,3-Trichloropropane	12.408	75	102490	75.333	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	102490	144.617	ug/l	# 16

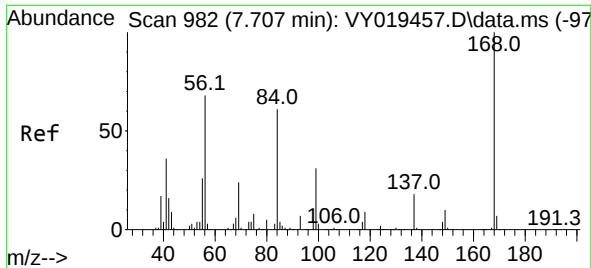
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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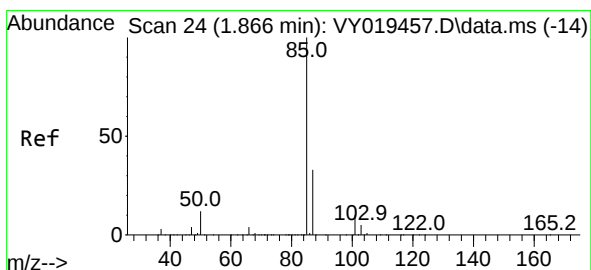
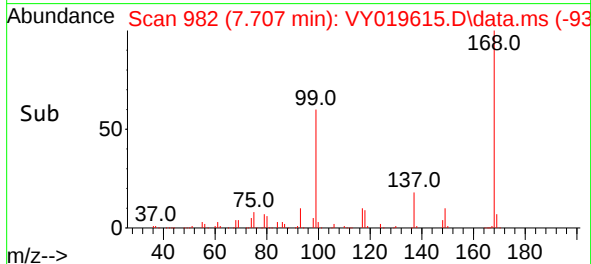
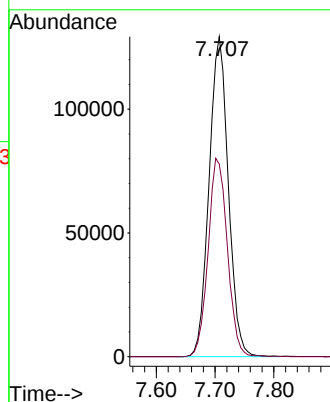
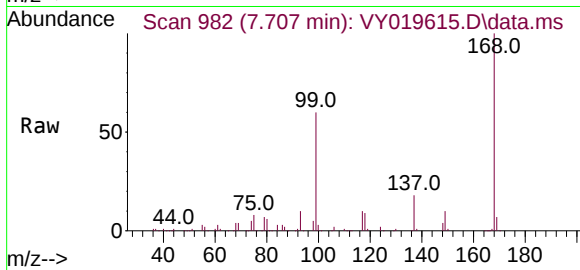




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019615.D
Acq: 18 Sep 2024 18:51

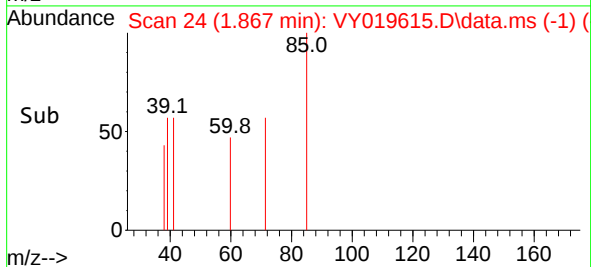
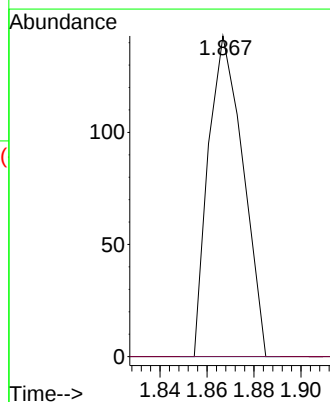
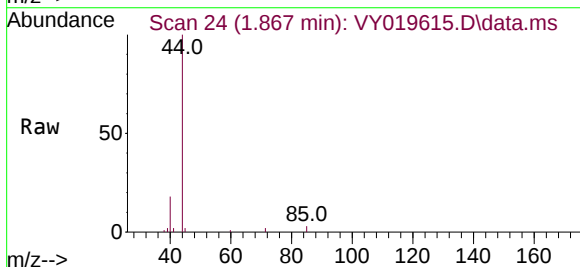
Instrument :
MSVOA_Y
ClientSampleId :

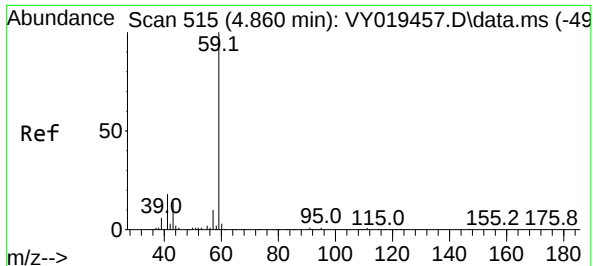
Tgt Ion:168 Resp: 293700
Ion Ratio Lower Upper
168 100
99 60.2 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY019615.D
Acq: 18 Sep 2024 18:51

Tgt Ion: 85 Resp: 146
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#

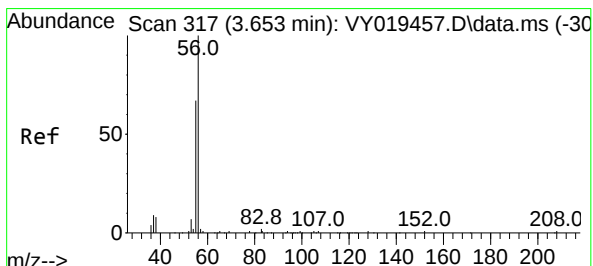
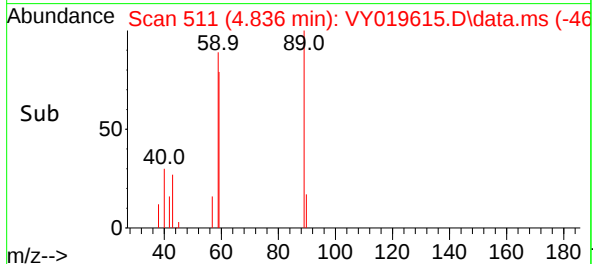
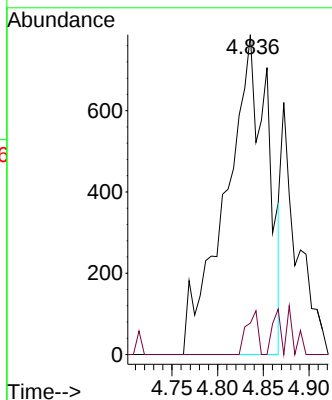
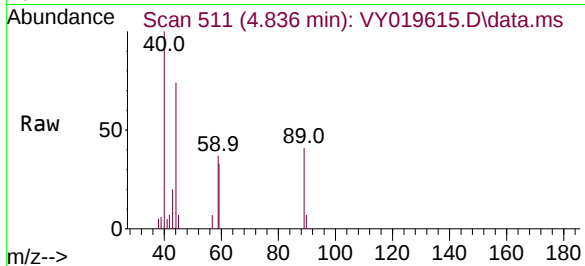




#11
Tert butyl alcohol
Concen: 11.497 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY019615.D
Acq: 18 Sep 2024 18:51

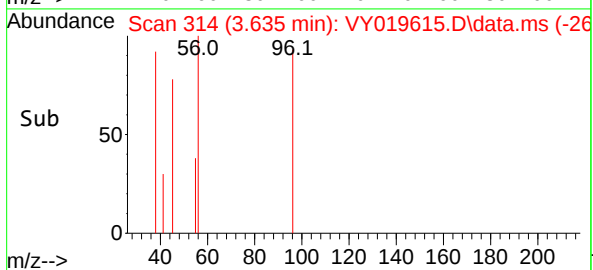
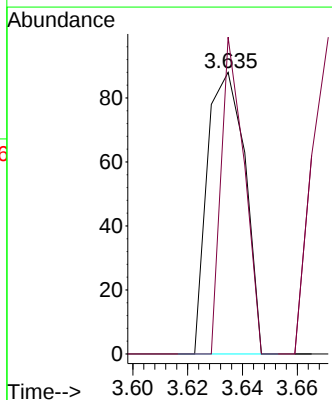
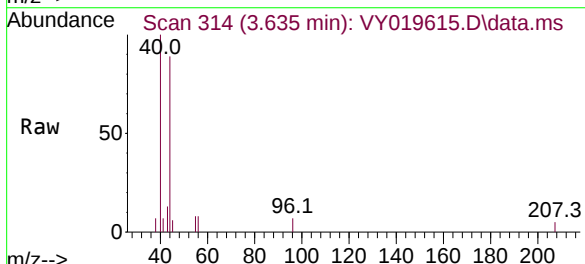
Instrument :
MSVOA_Y
ClientSampleId :

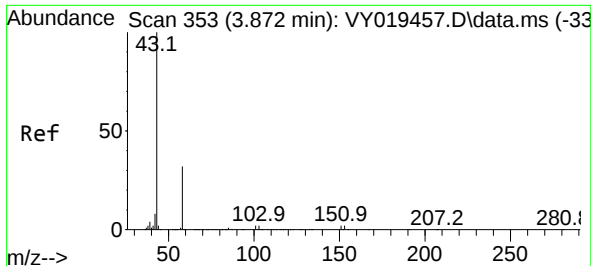
Tgt Ion: 59 Resp: 2525
Ion Ratio Lower Upper
59 100
57 3.7 3.0 4.6



#13
Acrolein
Concen: Below Cal
RT: 3.635 min Scan# 314
Delta R.T. -0.018 min
Lab File: VY019615.D
Acq: 18 Sep 2024 18:51

Tgt Ion: 56 Resp: 84
Ion Ratio Lower Upper
56 100
55 69.0 55.7 83.5





#16

Acetone

Concen: 2.720 ug/l

RT: 3.866 min Scan# 31

Delta R.T. -0.006 min

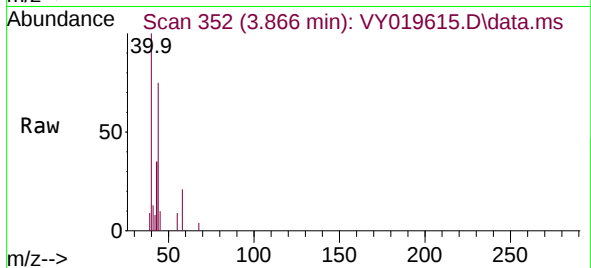
Lab File: VY019615.D

Acq: 18 Sep 2024 18:51

Instrument :

MSVOA_Y

ClientSampleId :

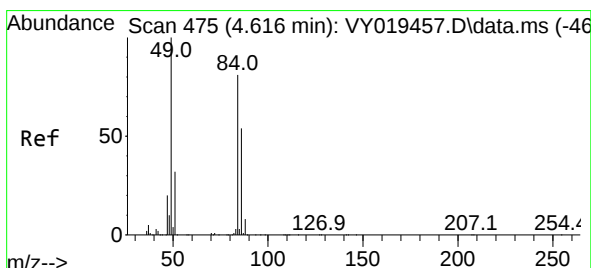
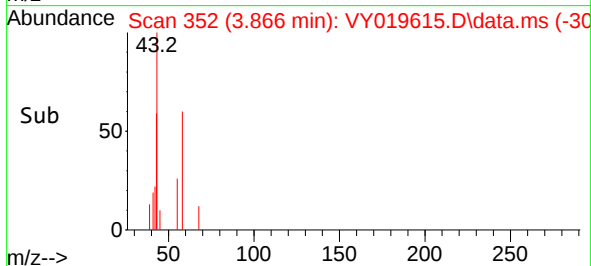
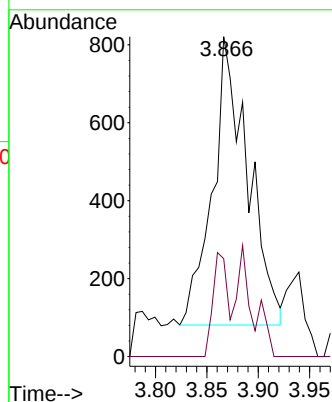


Tgt Ion: 43 Resp: 1762

Ion Ratio Lower Upper

43 100

58 33.9 31.7 47.5



#20

Methylene Chloride

Concen: 4.068 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY019615.D

Acq: 18 Sep 2024 18:51

Tgt Ion: 84 Resp: 12020

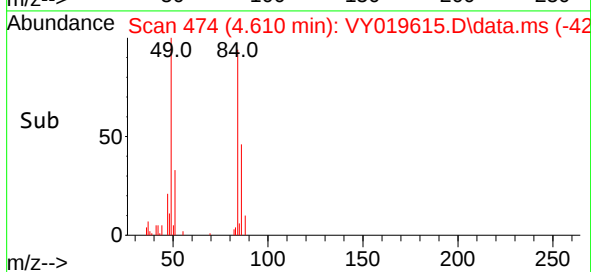
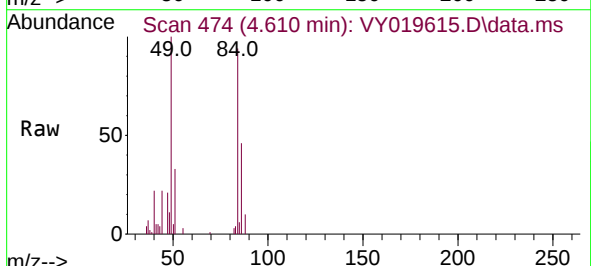
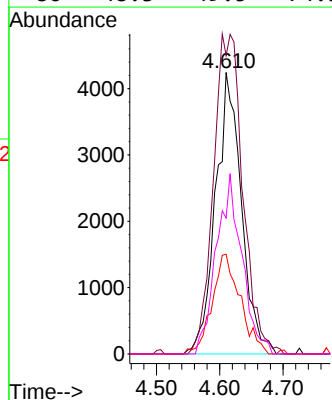
Ion Ratio Lower Upper

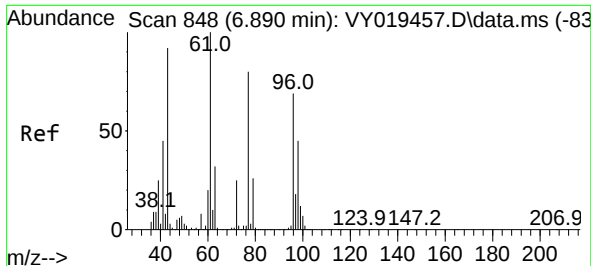
84 100

49 106.0 84.4 126.6

51 35.4 26.0 39.0

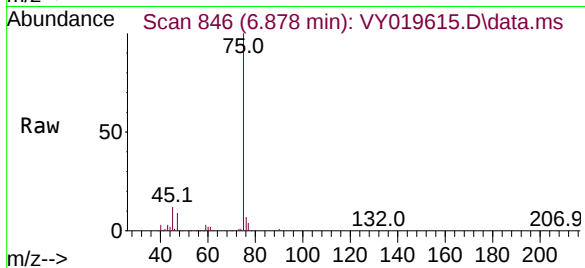
86 48.3 49.5 74.3#



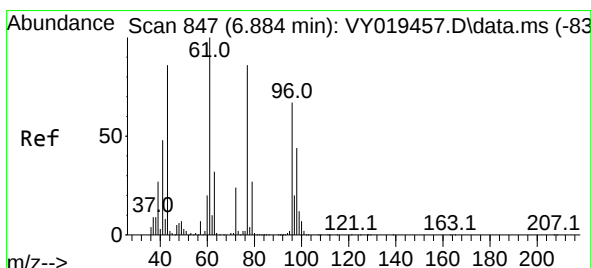
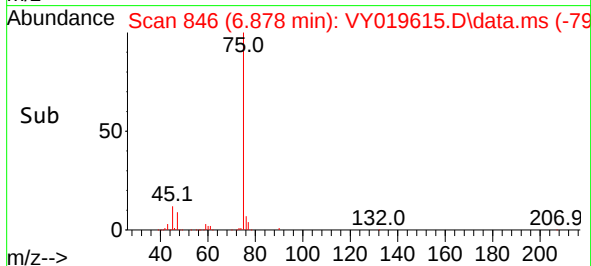
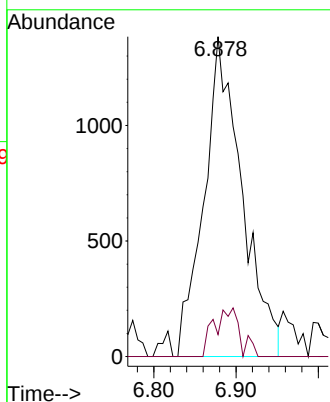


#25
2-Butanone
Concen: 4.831 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY019615.D
Acq: 18 Sep 2024 18:51

Instrument :
MSVOA_Y
ClientSampleId :

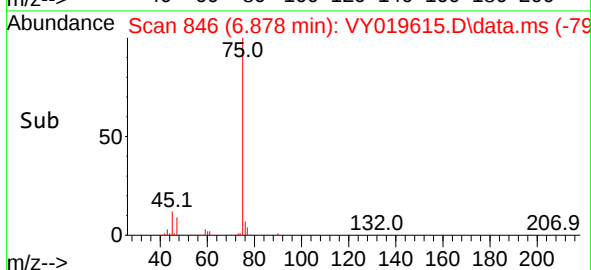
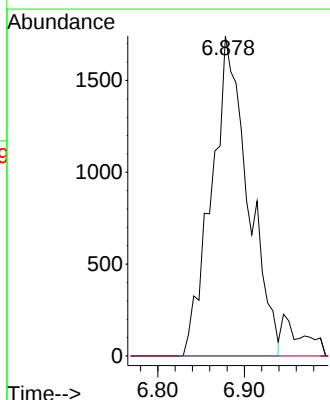
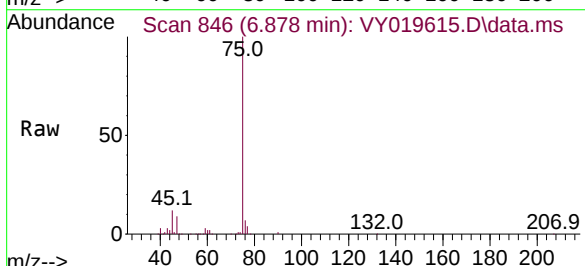


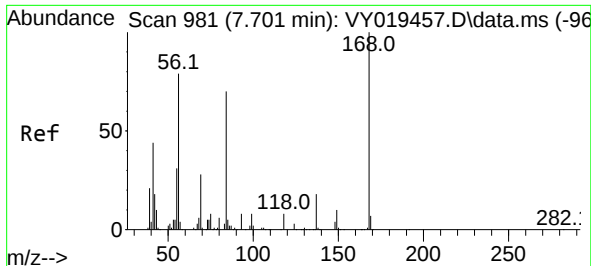
Tgt Ion: 43 Resp: 4452
Ion Ratio Lower Upper
43 100
72 6.9 27.3 40.9#



#26
2,2-Dichloropropane
Concen: 1.053 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY019615.D
Acq: 18 Sep 2024 18:51

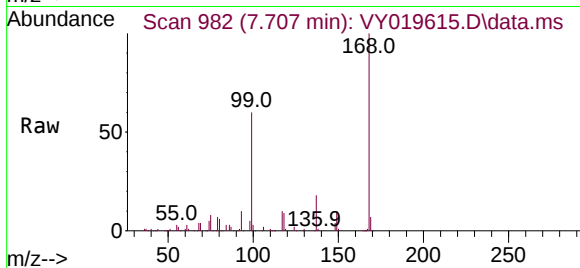
Tgt Ion: 77 Resp: 5115
Ion Ratio Lower Upper
77 100
97 0.0 12.0 36.1#



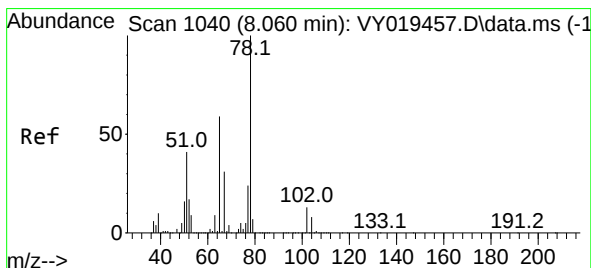
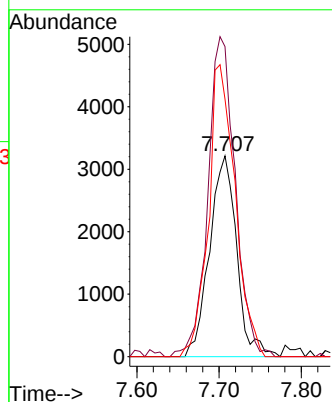
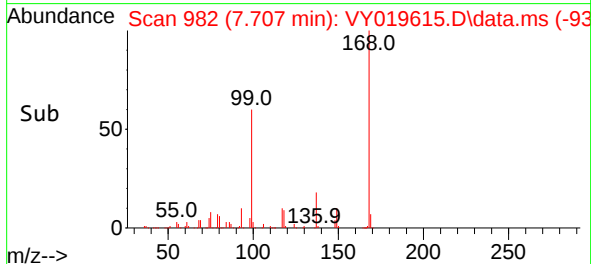


#31
Cyclohexane
Concen: 1.517 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY019615.D
Acq: 18 Sep 2024 18:51

Instrument :
MSVOA_Y
ClientSampleId :

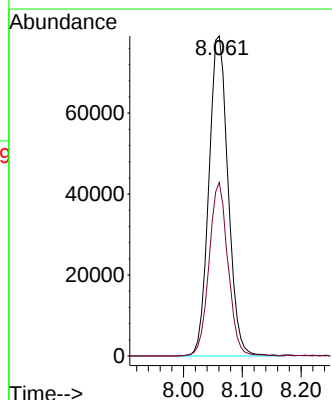
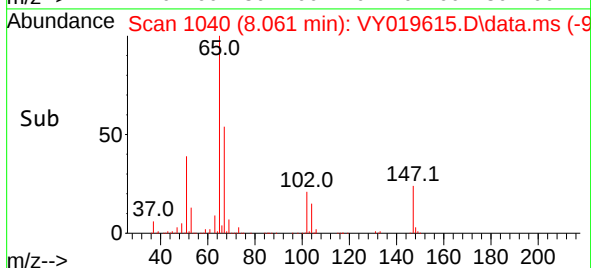
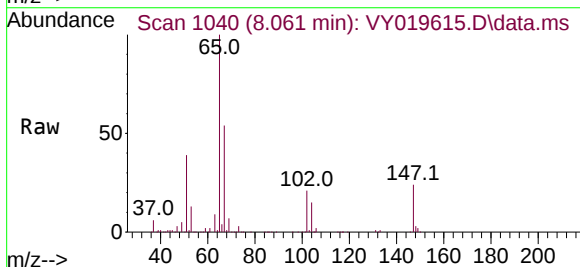


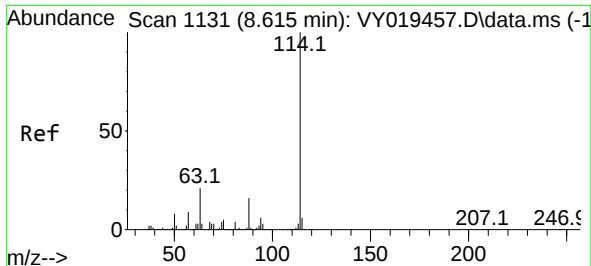
Tgt Ion: 56 Resp: 7382
Ion Ratio Lower Upper
56 100
69 154.4 28.7 43.1#
84 128.3 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 65.945 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019615.D
Acq: 18 Sep 2024 18:51

Tgt Ion: 65 Resp: 179344
Ion Ratio Lower Upper
65 100
67 53.5 0.0 109.6

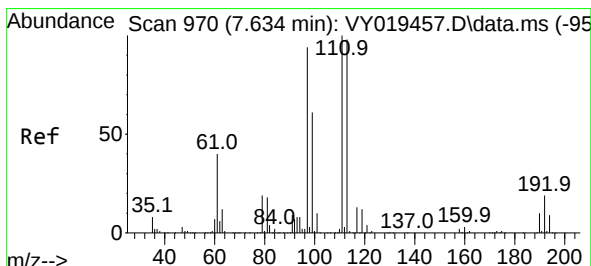
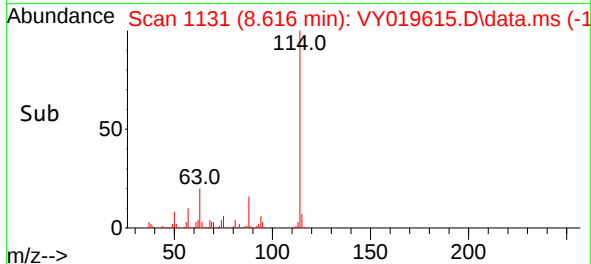
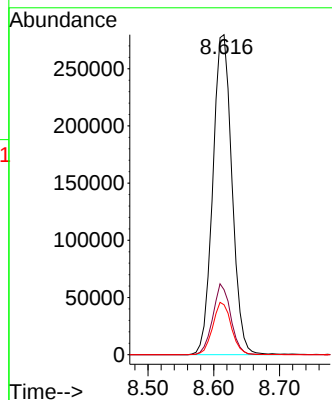
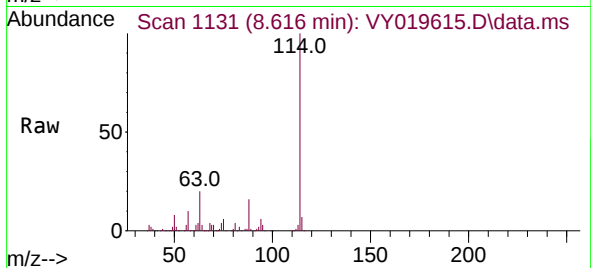




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY019615.D
Acq: 18 Sep 2024 18:51

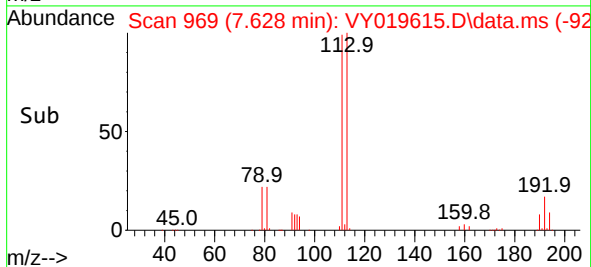
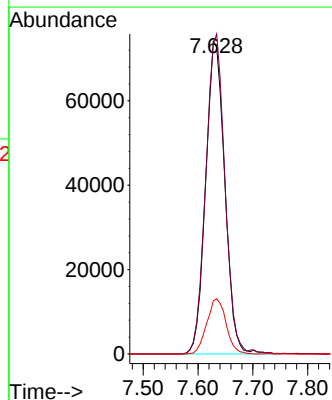
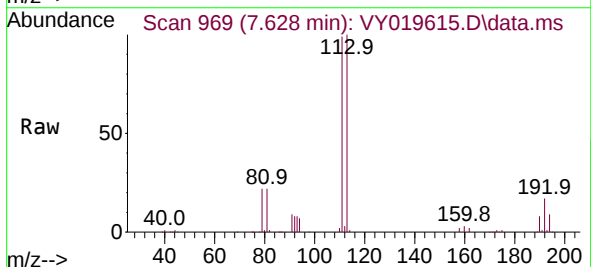
Instrument :
MSVOA_Y
ClientSampleId :

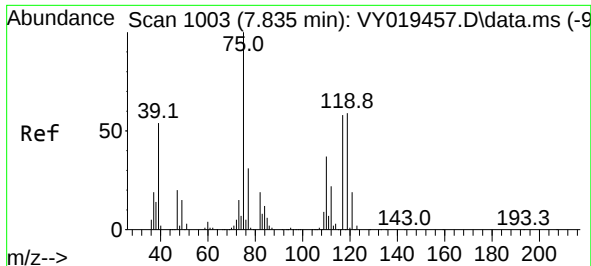
Tgt Ion:114 Resp: 566693
Ion Ratio Lower Upper
114 100
63 20.3 0.0 35.0
88 15.6 0.0 27.2



#35
Dibromofluoromethane
Concen: 55.850 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY019615.D
Acq: 18 Sep 2024 18:51

Tgt Ion:113 Resp: 179449
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 17.8 15.9 23.9

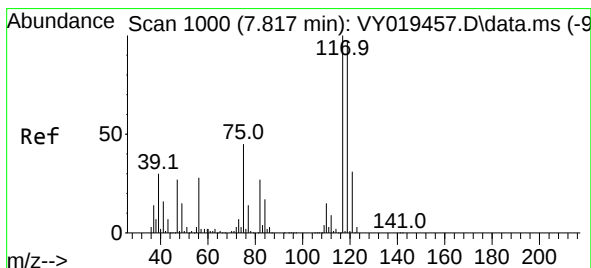
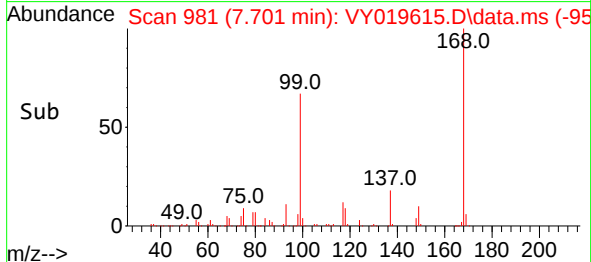
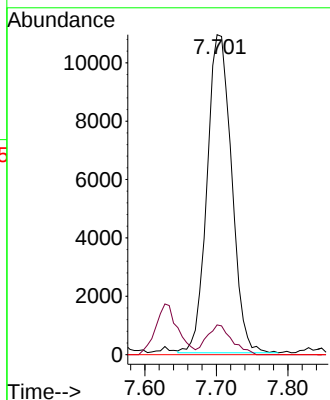
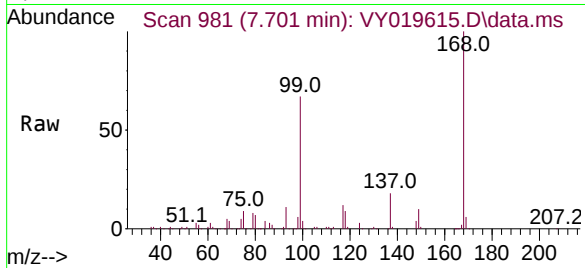




#36
1,1-Dichloropropene
Concen: 5.944 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY019615.D
Acq: 18 Sep 2024 18:51

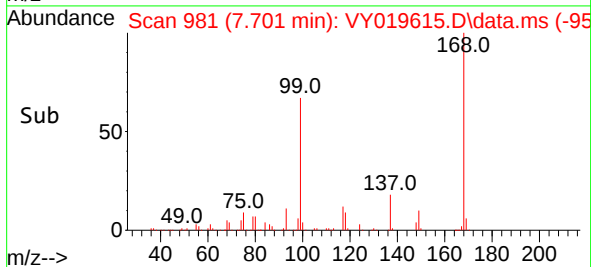
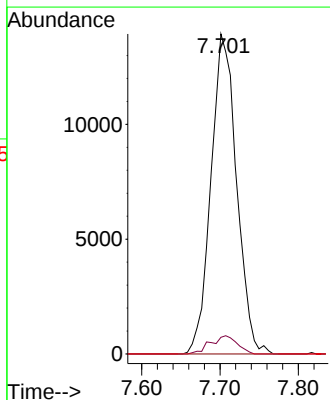
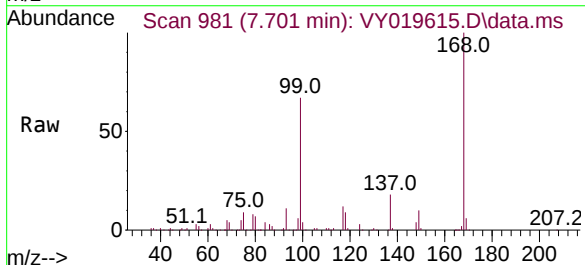
Instrument :
MSVOA_Y
ClientSampleId :

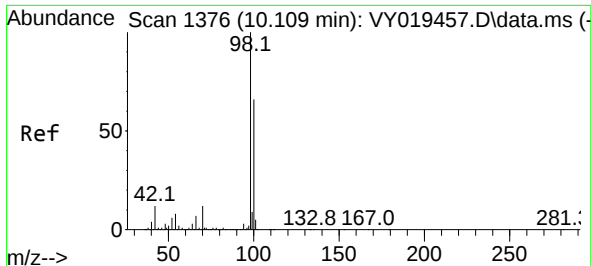
Tgt Ion: 75 Resp: 25988
Ion Ratio Lower Upper
75 100
110 9.5 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.430 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.116 min
Lab File: VY019615.D
Acq: 18 Sep 2024 18:51

Tgt Ion: 117 Resp: 31704
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.6#
121 0.0 24.0 36.0#

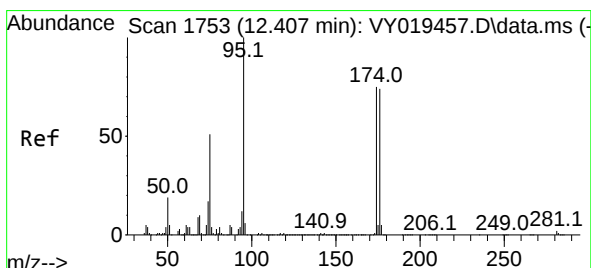
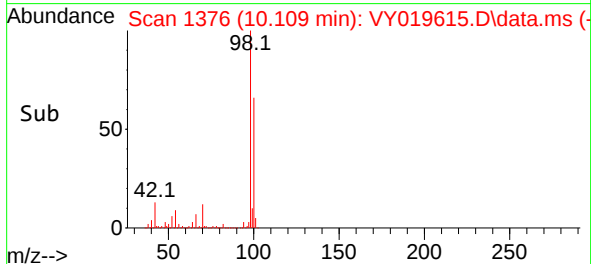
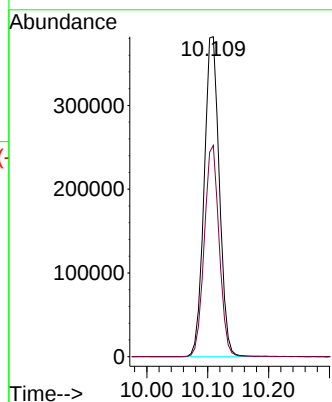
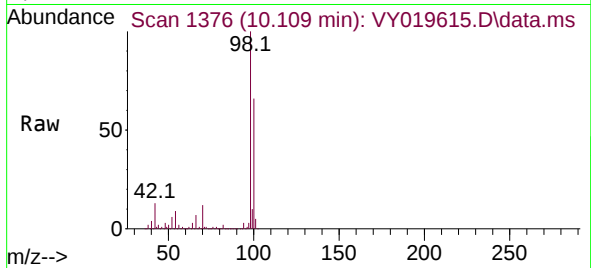




#50
Toluene-d8
Concen: 55.724 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019615.D
Acq: 18 Sep 2024 18:51

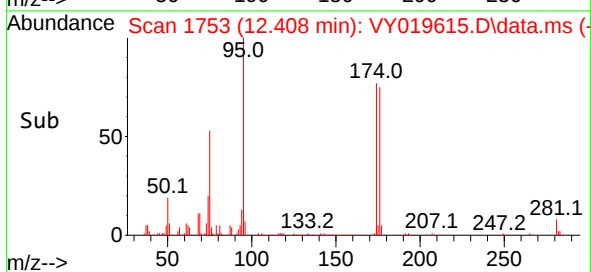
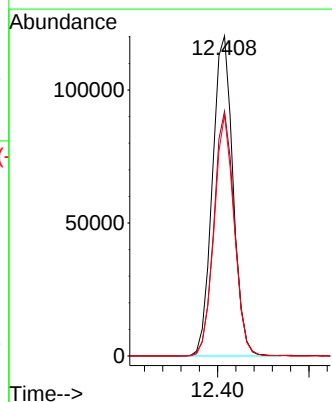
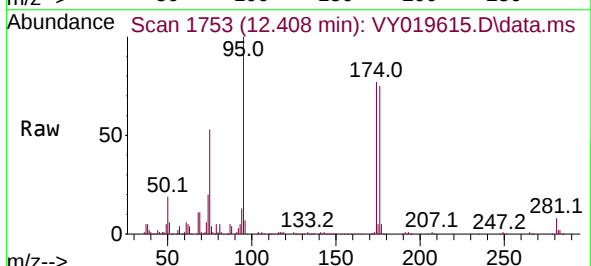
Instrument :
MSVOA_Y
ClientSampleId :

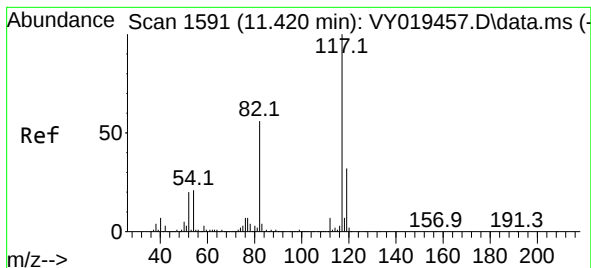
Tgt Ion: 98 Resp: 662246
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 41.126 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019615.D
Acq: 18 Sep 2024 18:51

Tgt Ion: 95 Resp: 187928
Ion Ratio Lower Upper
95 100
174 76.2 0.0 175.6
176 73.3 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019615.D

Acq: 18 Sep 2024 18:51

Instrument :

MSVOA_Y

ClientSampleId :

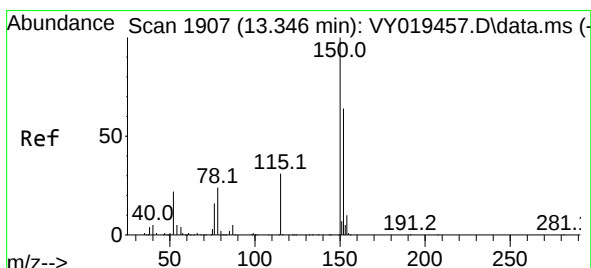
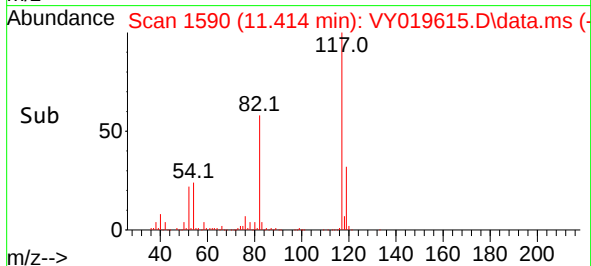
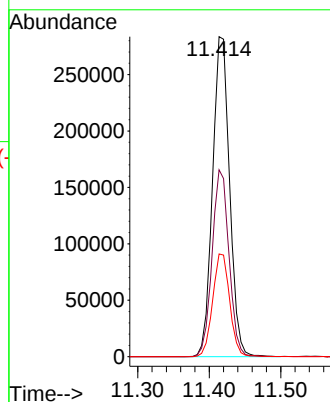
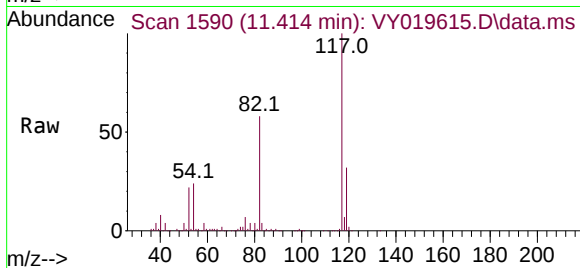
Tgt Ion:117 Resp: 469667

Ion Ratio Lower Upper

117 100

82 58.4 42.4 63.6

119 32.1 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019615.D

Acq: 18 Sep 2024 18:51

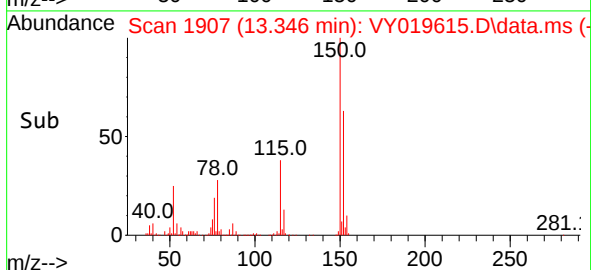
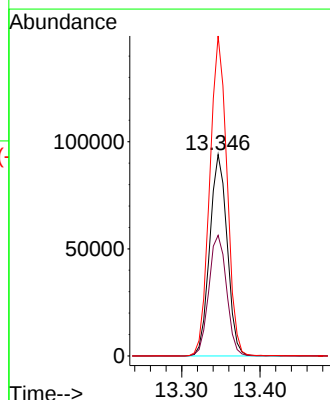
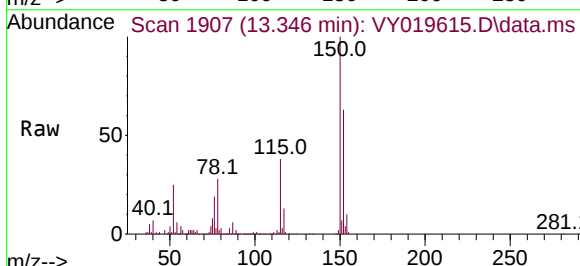
Tgt Ion:152 Resp: 145152

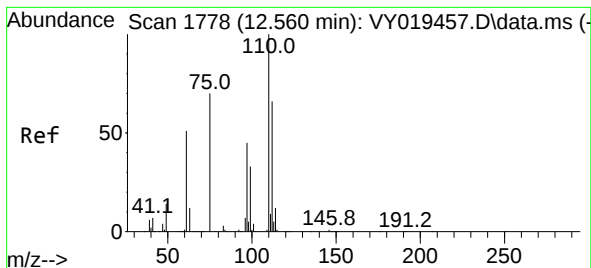
Ion Ratio Lower Upper

152 100

115 61.1 28.2 84.7

150 157.0 0.0 345.6

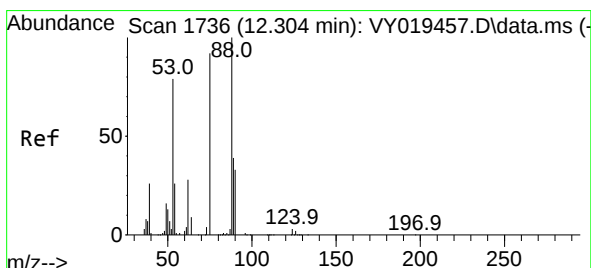
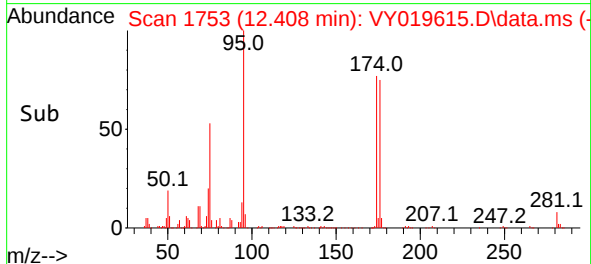
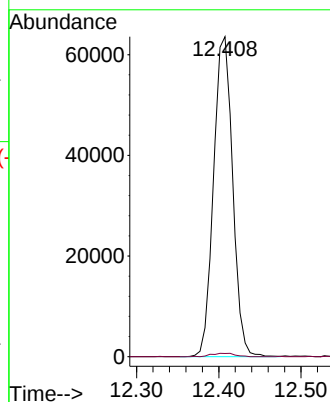
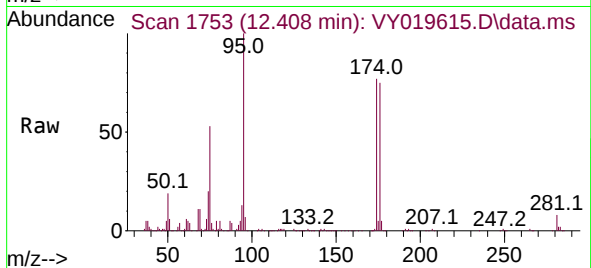




#76
1,2,3-Trichloropropane
Concen: 75.333 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY019615.D
Acq: 18 Sep 2024 18:51

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 102490
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.617 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019615.D
Acq: 18 Sep 2024 18:51

Tgt Ion: 75 Resp: 102490
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.3 35.8 53.6#

