

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091824\
 Data File : VY019608.D
 Acq On : 18 Sep 2024 16:08
 Operator : SY/MD
 Sample : P4087-03
 Misc : 4.23g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 19 01:26:15 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

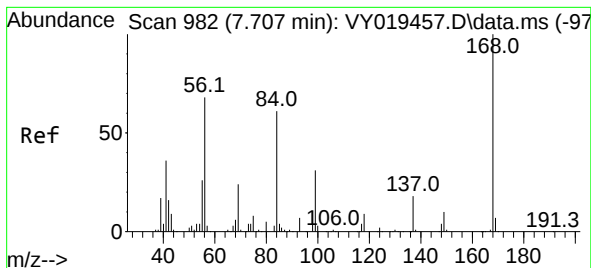
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	316501	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	614897	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	553342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	206510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	195996	66.876	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 133.760%		
35) Dibromofluoromethane	7.634	113	195734	56.143	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 112.280%		
50) Toluene-d8	10.109	98	736903	57.146	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 114.300%		
62) 4-Bromofluorobenzene	12.401	95	235871	47.571	ug/l	0.00
Spiked Amount	50.000	Range 29 - 146	Recovery	= 95.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	134	Below Cal	#	43
11) Tert butyl alcohol	4.836	59	1803	7.618	ug/l	99
13) Acrolein	3.659	56	25	Below Cal	#	15
16) Acetone	3.879	43	3547	5.080	ug/l	# 74
20) Methylene Chloride	4.604	84	12567	3.947	ug/l	# 86
25) 2-Butanone	6.890	43	3728	3.754	ug/l	# 61
31) Cyclohexane	7.707	56	7591	1.447	ug/l	# 1
36) 1,1-Dichloropropene	7.701	75	27689	5.837	ug/l	# 48
38) Carbon Tetrachloride	7.707	117	35372	6.612	ug/l	# 15
76) 1,2,3-Trichloropropane	12.401	75	129509	66.909	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.401	75	129509	128.446	ug/l	# 16

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

Quant Time: Sep 19 01:26:15 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# 9

Delta R.T. 0.000 min

Lab File: VY019608.D

Acq: 18 Sep 2024 16:08

Instrument :

MSVOA_Y

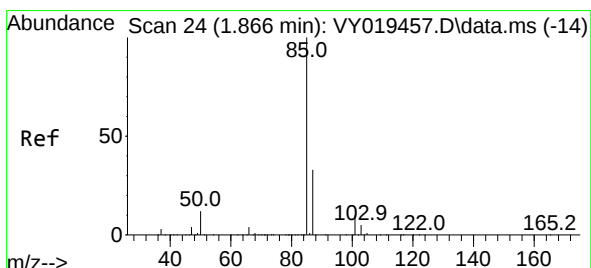
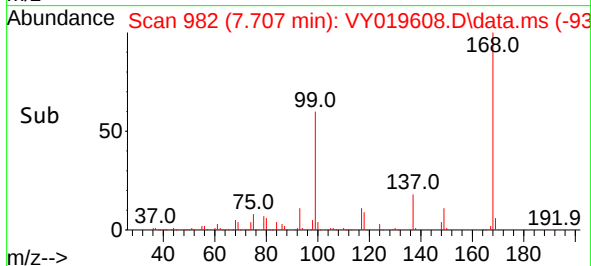
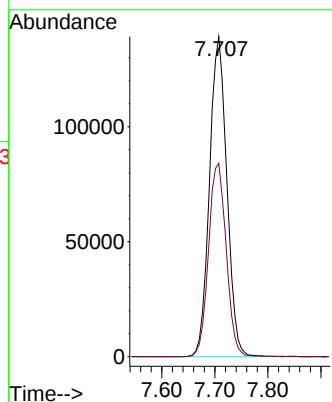
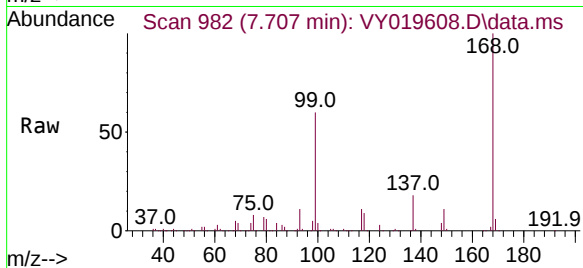
ClientSampleId :

Tgt Ion:168 Resp: 316501

Ion Ratio Lower Upper

168 100

99 60.4 39.1 58.7#



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.861 min Scan# 23

Delta R.T. -0.005 min

Lab File: VY019608.D

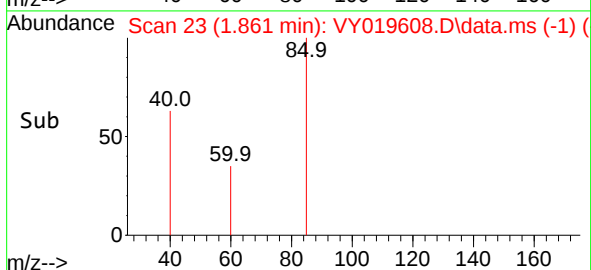
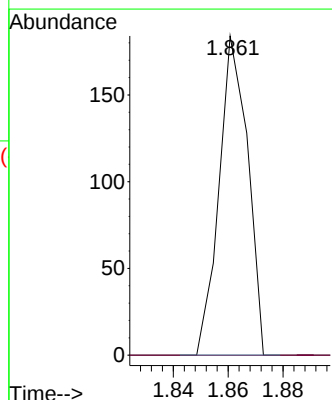
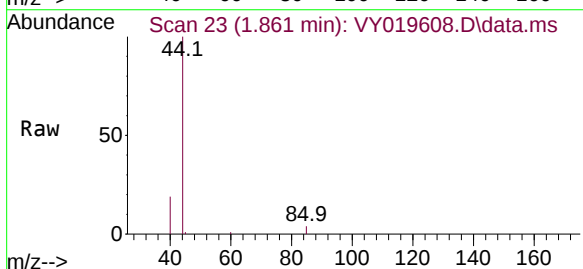
Acq: 18 Sep 2024 16:08

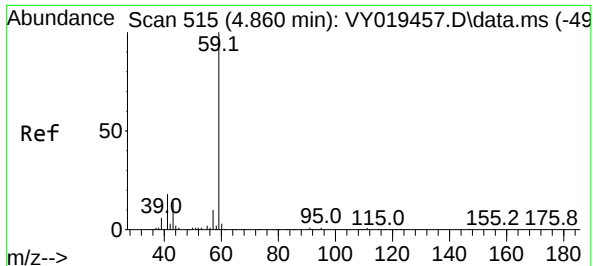
Tgt Ion: 85 Resp: 134

Ion Ratio Lower Upper

85 100

87 0.0 16.0 48.0#





#11

Tert butyl alcohol

Concen: 7.618 ug/l

RT: 4.836 min Scan# 511

Delta R.T. -0.024 min

Lab File: VY019608.D

Acq: 18 Sep 2024 16:08

Instrument :

MSVOA_Y

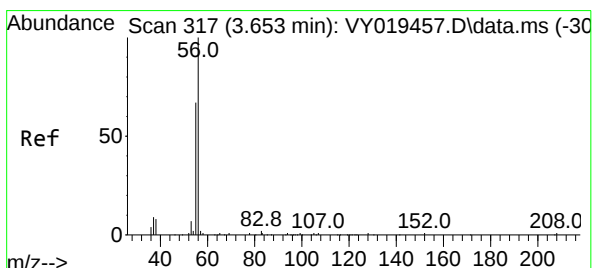
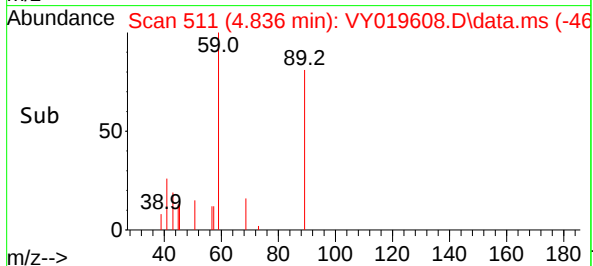
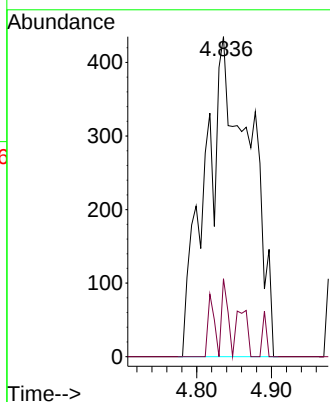
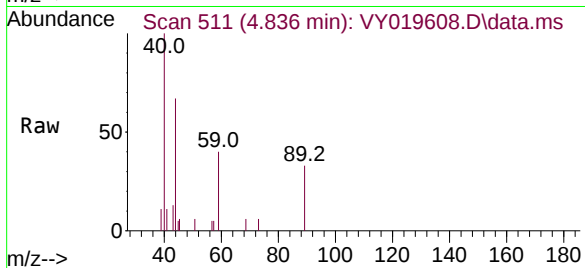
ClientSampleId :

Tgt Ion: 59 Resp: 1803

Ion Ratio Lower Upper

59 100

57 3.4 3.0 4.6



#13

Acrolein

Concen: Below Cal

RT: 3.659 min Scan# 318

Delta R.T. 0.006 min

Lab File: VY019608.D

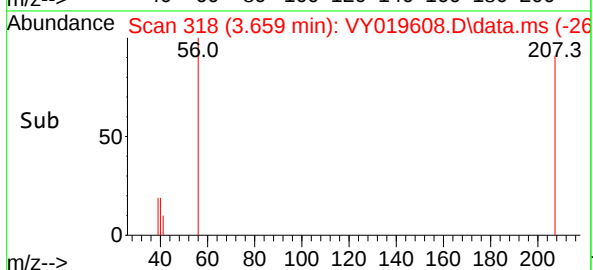
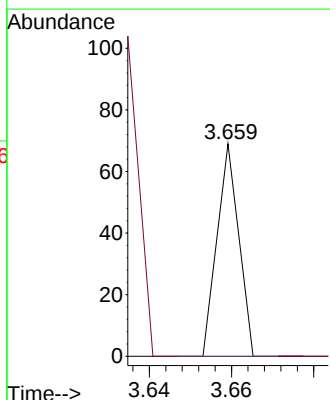
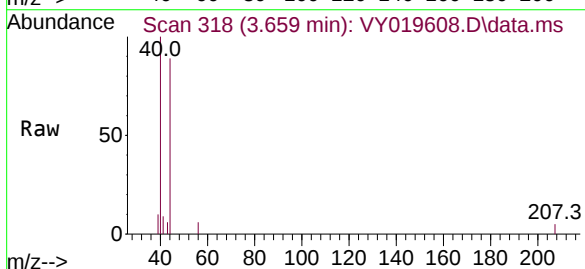
Acq: 18 Sep 2024 16:08

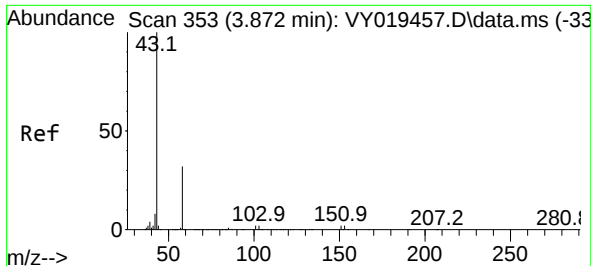
Tgt Ion: 56 Resp: 25

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#

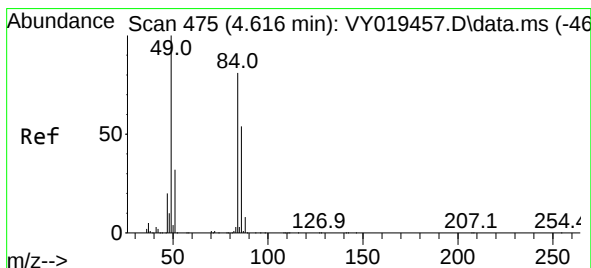
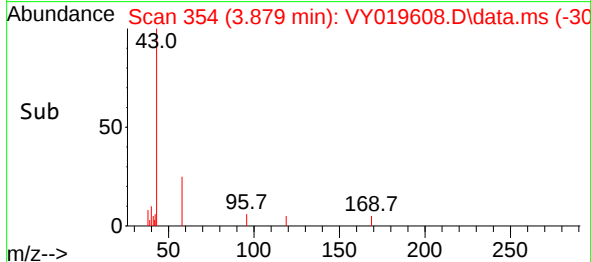
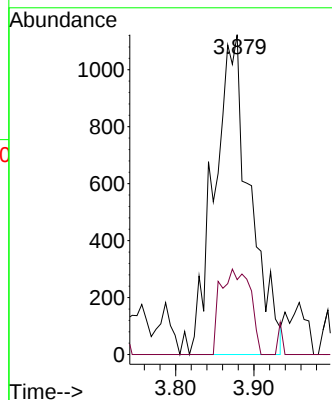
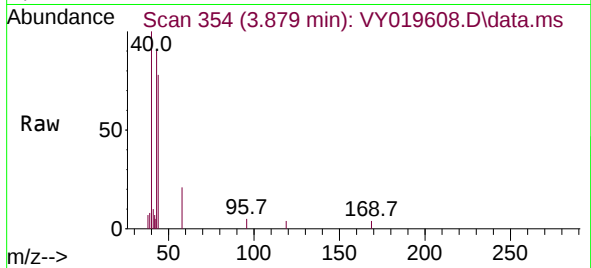




#16
Acetone
Concen: 5.080 ug/l
RT: 3.879 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY019608.D
Acq: 18 Sep 2024 16:08

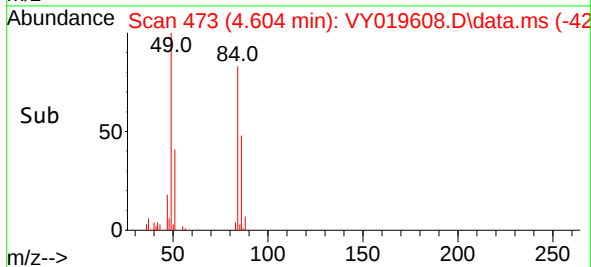
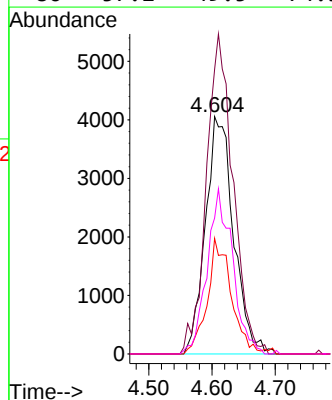
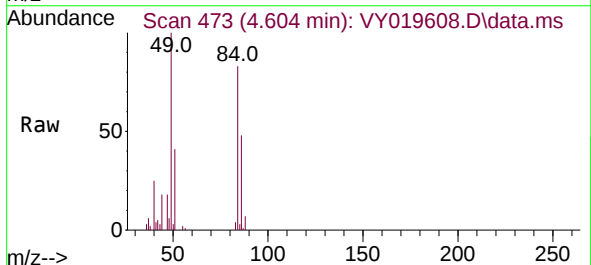
Instrument :
MSVOA_Y
ClientSampleId :

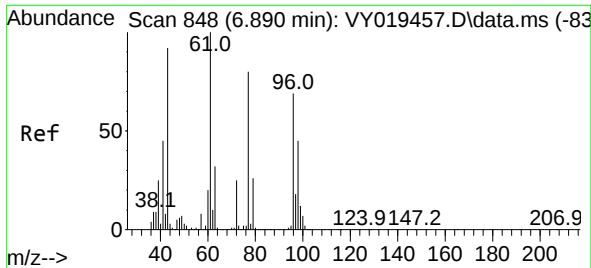
Tgt Ion: 43 Resp: 3547
Ion Ratio Lower Upper
43 100
58 23.4 31.7 47.5#



#20
Methylene Chloride
Concen: 3.947 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY019608.D
Acq: 18 Sep 2024 16:08

Tgt Ion: 84 Resp: 12567
Ion Ratio Lower Upper
84 100
49 119.8 84.4 126.6
51 48.7 26.0 39.0#
86 57.2 49.5 74.3

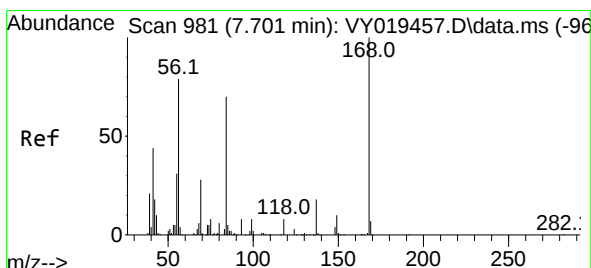
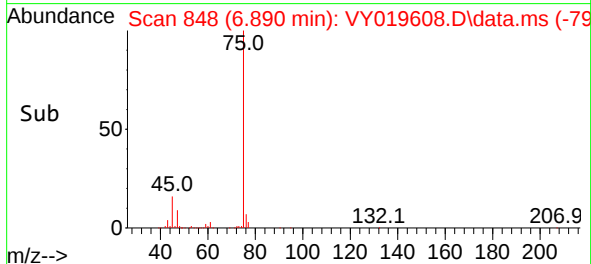
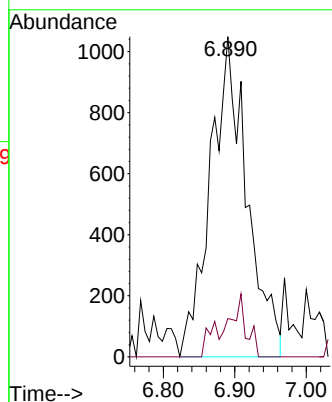
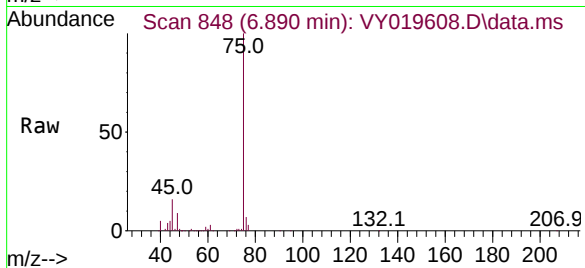




#25
2-Butanone
Concen: 3.754 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY019608.D
Acq: 18 Sep 2024 16:08

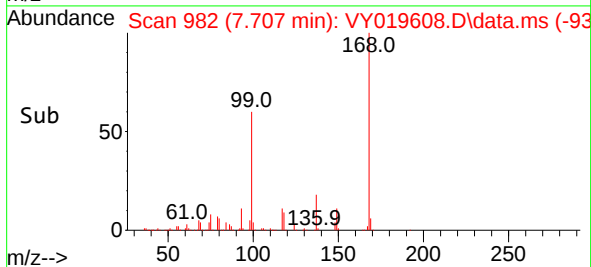
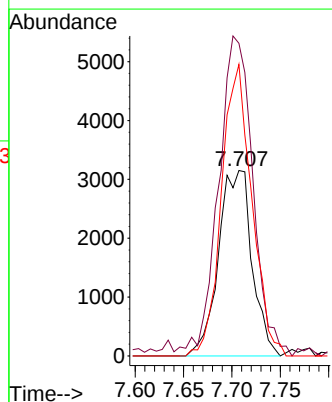
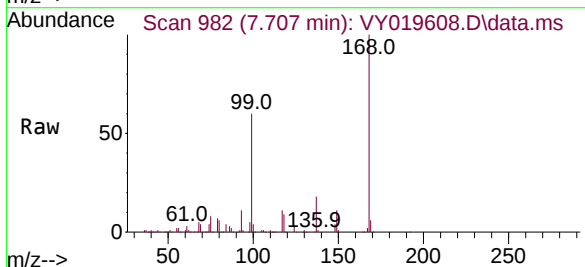
Instrument :
MSVOA_Y
ClientSampleId :

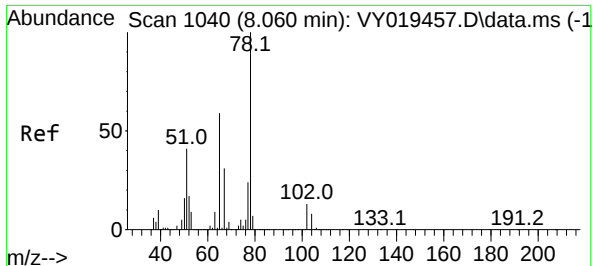
Tgt Ion: 43 Resp: 3728
Ion Ratio Lower Upper
43 100
72 11.9 27.3 40.9#



#31
Cyclohexane
Concen: 1.447 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY019608.D
Acq: 18 Sep 2024 16:08

Tgt Ion: 56 Resp: 7591
Ion Ratio Lower Upper
56 100
69 163.8 28.7 43.1#
84 157.2 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 66.876 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019608.D

Acq: 18 Sep 2024 16:08

Instrument :

MSVOA_Y

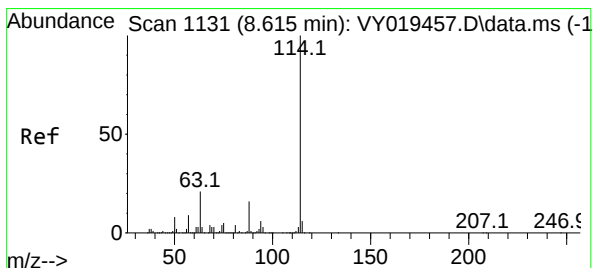
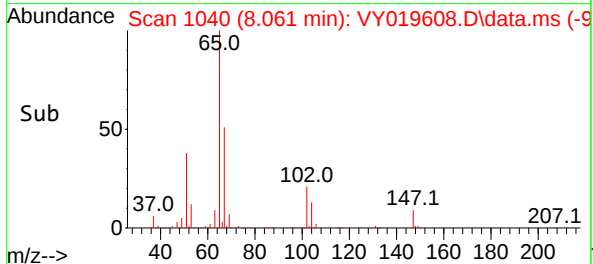
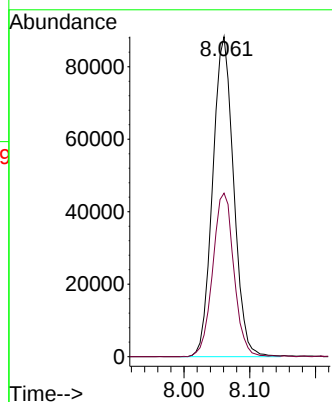
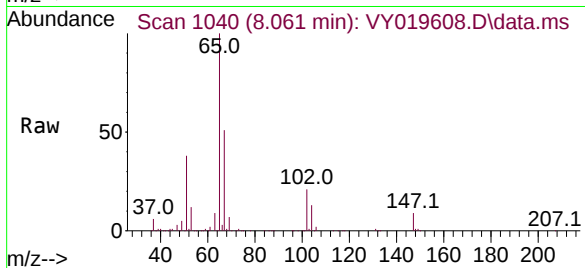
ClientSampleId :

Tgt Ion: 65 Resp: 195996

Ion Ratio Lower Upper

65 100

67 51.7 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: VY019608.D

Acq: 18 Sep 2024 16:08

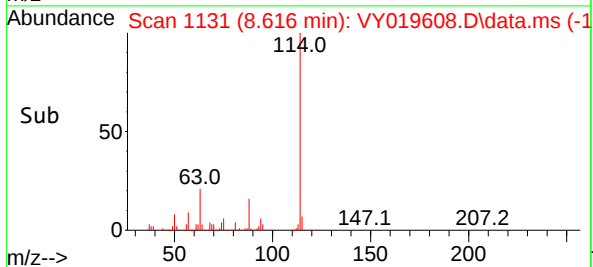
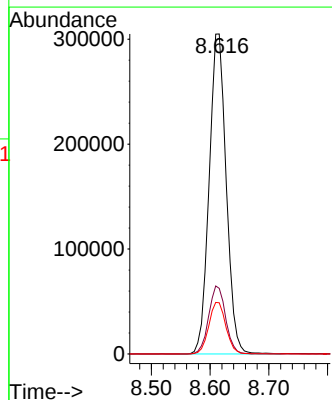
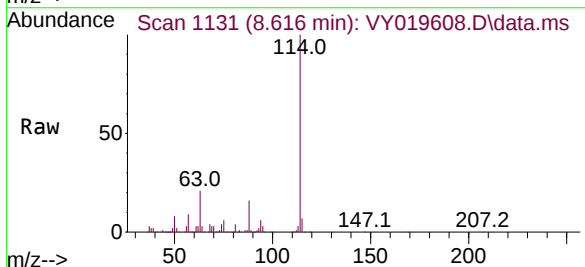
Tgt Ion: 114 Resp: 614897

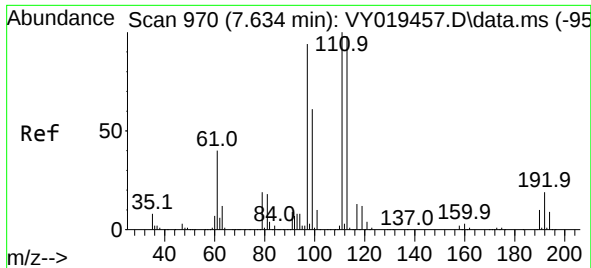
Ion Ratio Lower Upper

114 100

63 20.5 0.0 35.0

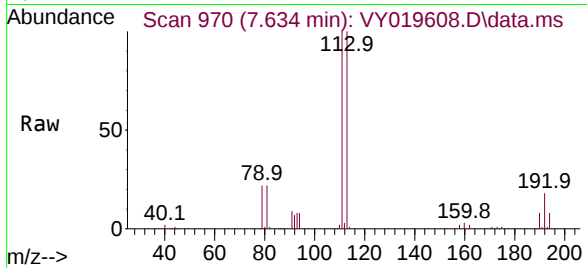
88 16.0 0.0 27.2



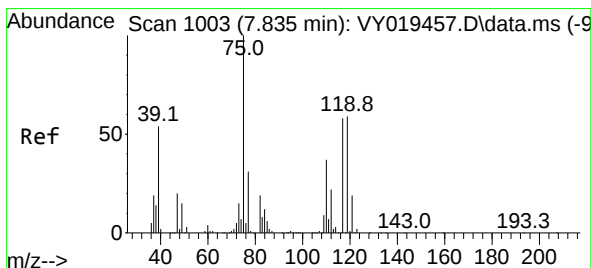
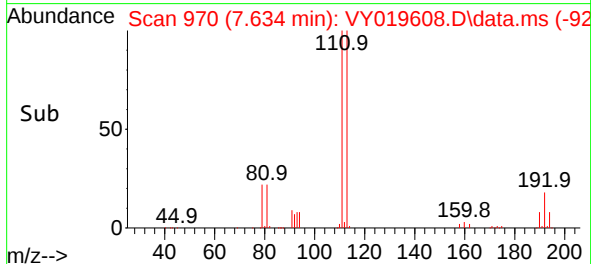
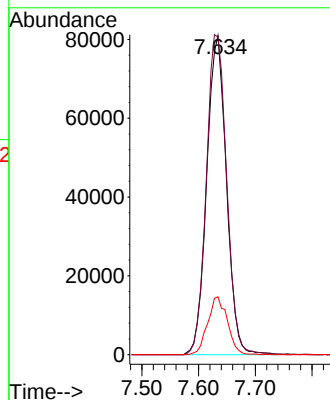


#35
Dibromofluoromethane
Concen: 56.143 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019608.D
Acq: 18 Sep 2024 16:08

Instrument :
MSVOA_Y
ClientSampleId :

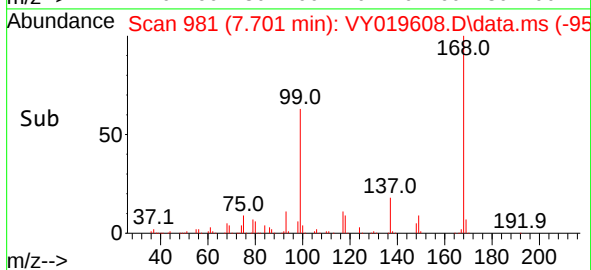
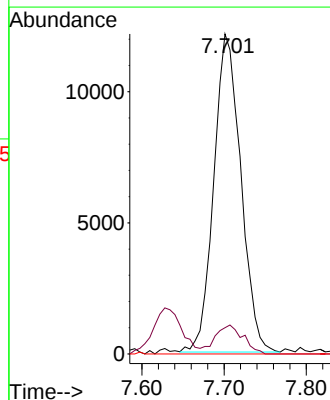
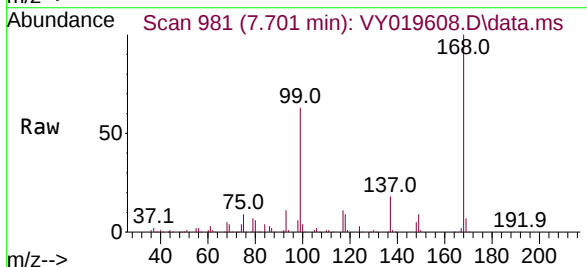


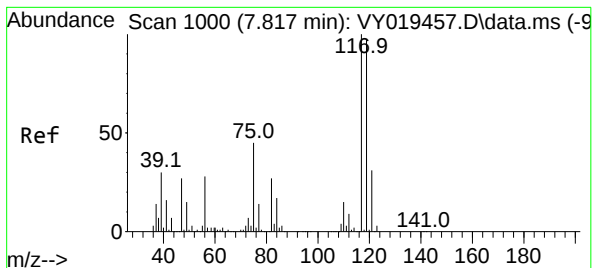
Tgt Ion:113 Resp: 195734
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.4
192 18.1 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.837 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY019608.D
Acq: 18 Sep 2024 16:08

Tgt Ion: 75 Resp: 27689
Ion Ratio Lower Upper
75 100
110 9.4 19.0 57.0#
77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.612 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.109 min

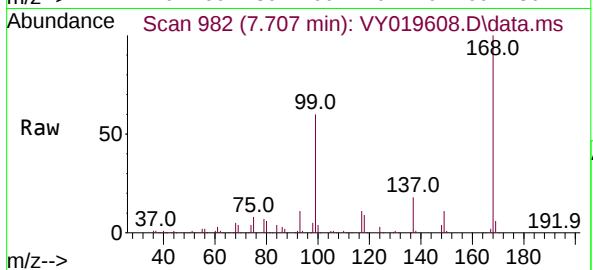
Lab File: VY019608.D

Acq: 18 Sep 2024 16:08

Instrument :

MSVOA_Y

ClientSampleId :



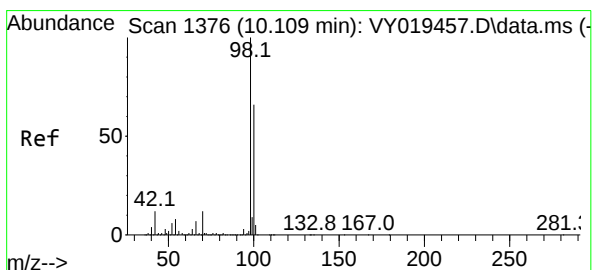
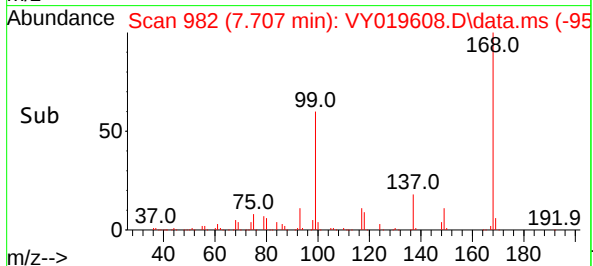
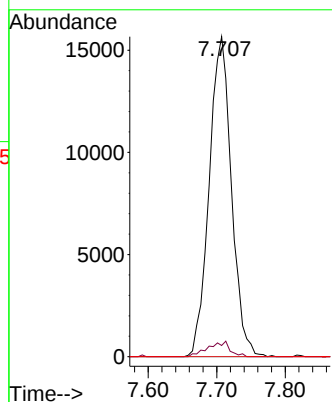
Tgt Ion:117 Resp: 35372

Ion Ratio Lower Upper

117 100

119 3.5 75.8 113.6#

121 0.0 24.0 36.0#



#50

Toluene-d8

Concen: 57.146 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY019608.D

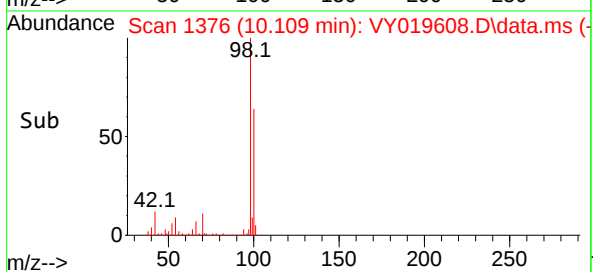
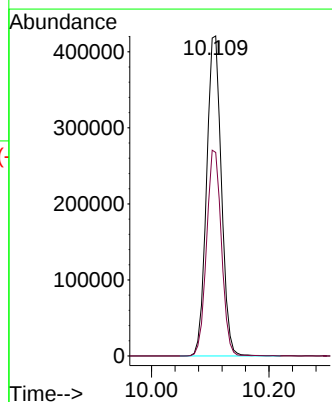
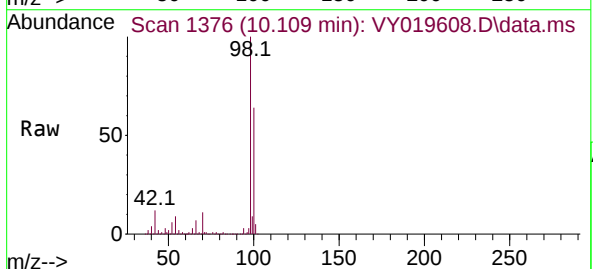
Acq: 18 Sep 2024 16:08

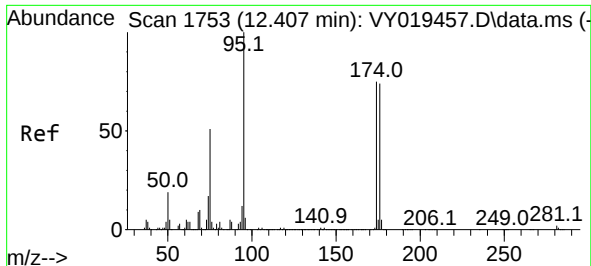
Tgt Ion: 98 Resp: 736903

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0

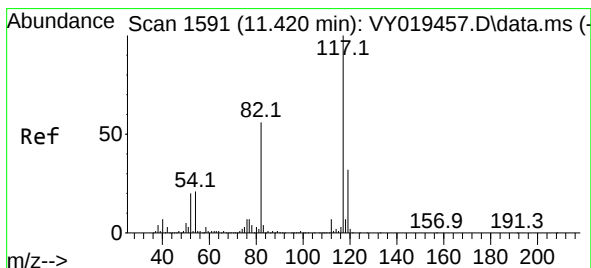
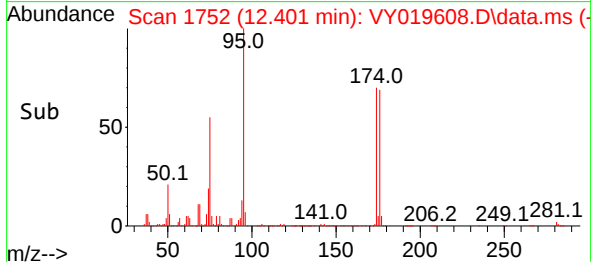
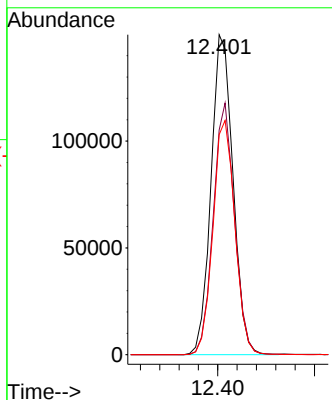
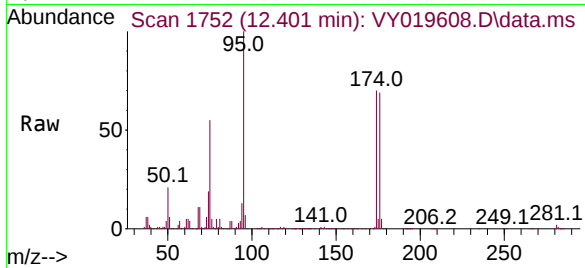




#62
4-Bromofluorobenzene
Concen: 47.571 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019608.D
Acq: 18 Sep 2024 16:08

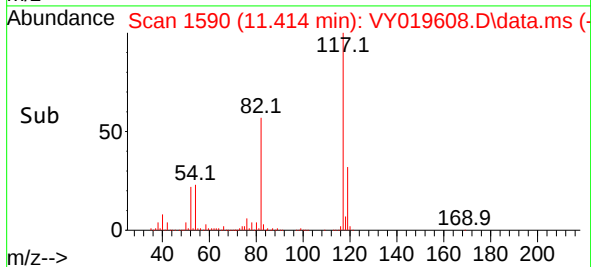
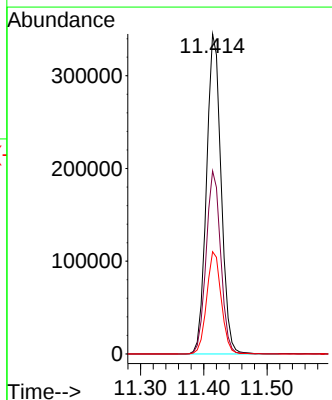
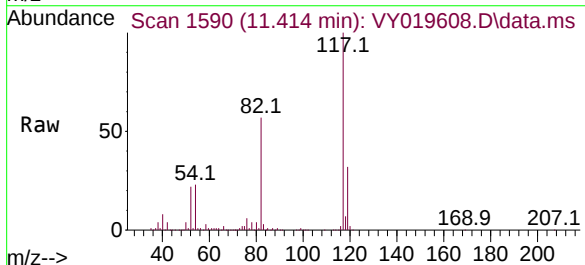
Instrument :
MSVOA_Y
ClientSampleId :

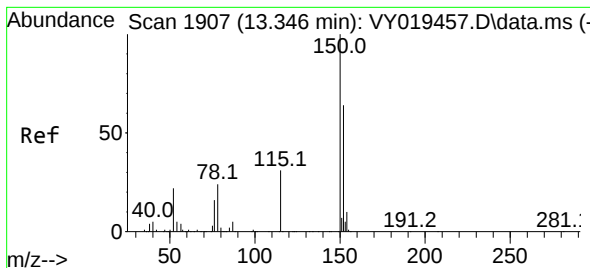
Tgt Ion: 95 Resp: 235871
Ion Ratio Lower Upper
95 100
174 76.3 0.0 175.6
176 73.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019608.D
Acq: 18 Sep 2024 16:08

Tgt Ion: 117 Resp: 553342
Ion Ratio Lower Upper
117 100
82 57.2 42.4 63.6
119 32.0 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: VY019608.D

Acq: 18 Sep 2024 16:08

Instrument :

MSVOA_Y

ClientSampleId :

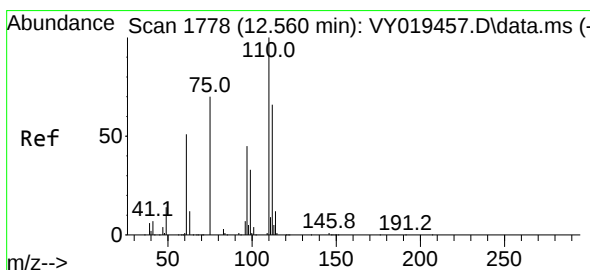
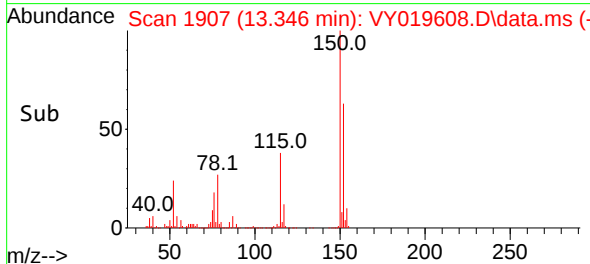
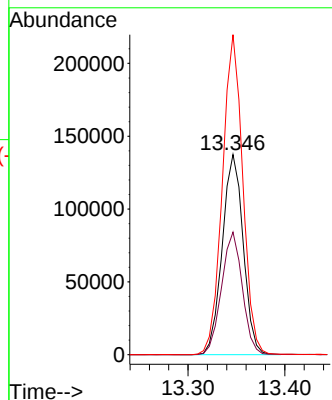
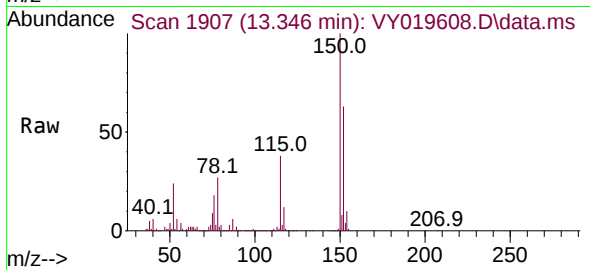
Tgt Ion:152 Resp: 206510

Ion Ratio Lower Upper

152 100

115 60.8 28.2 84.7

150 155.6 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 66.909 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019608.D

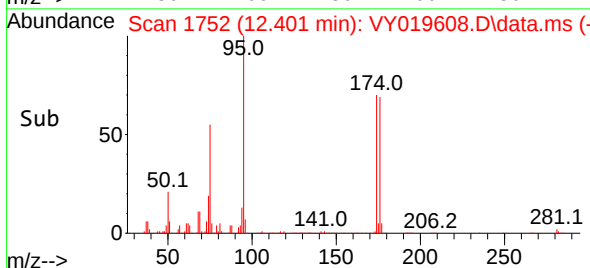
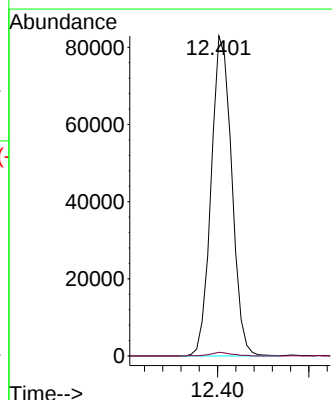
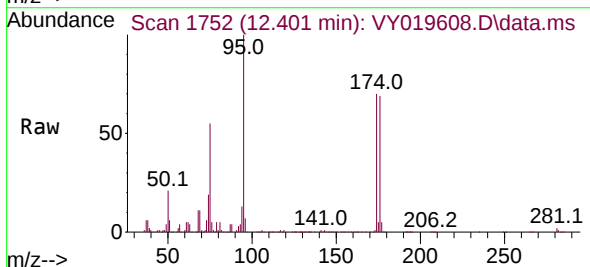
Acq: 18 Sep 2024 16:08

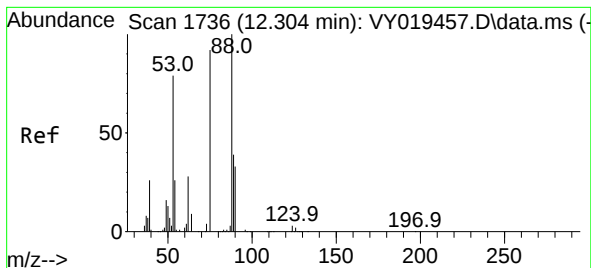
Tgt Ion: 75 Resp: 129509

Ion Ratio Lower Upper

75 100

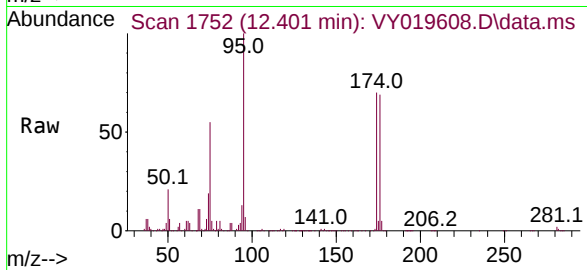
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.446 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY019608.D
 Acq: 18 Sep 2024 16:08

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 129509
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.8 100.2#
 89 0.1 35.8 53.6#

