

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091824\
 Data File : VY019600.D
 Acq On : 18 Sep 2024 13:00
 Operator : SY/MD
 Sample : P4015-04
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 19 01:24:25 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)

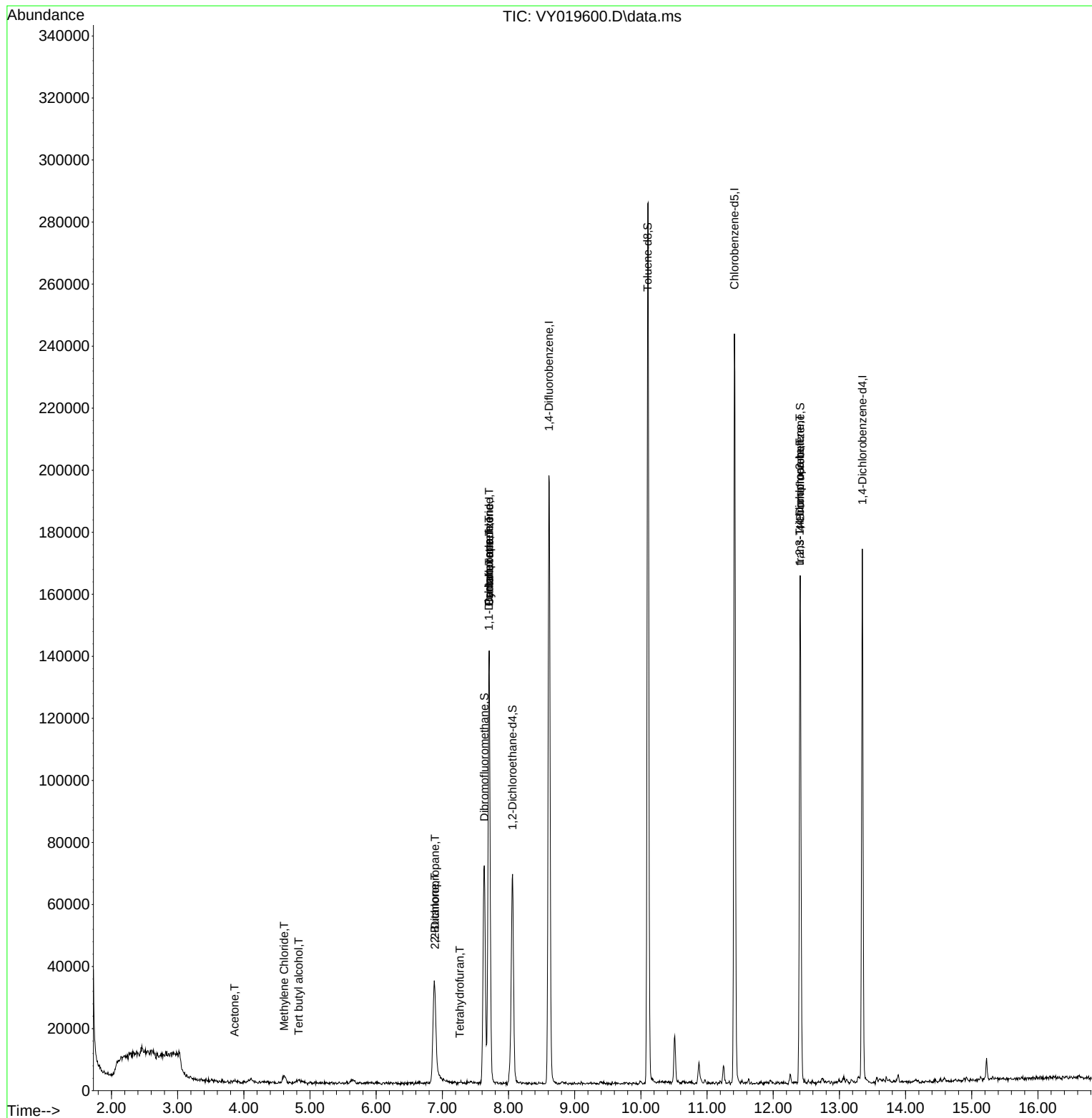
Internal Standards						
1) Pentafluorobenzene	7.707	168	99213	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	168189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	127198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	39551	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	50320	54.774	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.540%	
35) Dibromofluoromethane	7.634	113	50562	53.022	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.040%	
50) Toluene-d8	10.103	98	190296	53.952	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.900%	
62) 4-Bromofluorobenzene	12.408	95	50991	37.598	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 75.200%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.074	85	69	Below Cal	#	43
11) Tert butyl alcohol	4.830	59	1280	17.253	ug/l #	93
13) Acrolein	3.702	56	46	Below Cal	#	1
16) Acetone	3.861	43	1226	5.602	ug/l	98
20) Methylene Chloride	4.610	84	1900	1.904	ug/l #	83
25) 2-Butanone	6.884	43	1554	4.992	ug/l #	82
26) 2,2-Dichloropropane	6.890	77	2918	1.778	ug/l #	51
29) Tetrahydrofuran	7.262	42	243	1.284	ug/l #	26
31) Cyclohexane	7.707	56	2622	1.595	ug/l #	11
36) 1,1-Dichloropropene	7.701	75	9639	7.428	ug/l #	47
38) Carbon Tetrachloride	7.707	117	10691	7.306	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	27608	74.474	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	27608	142.968	ug/l #	16

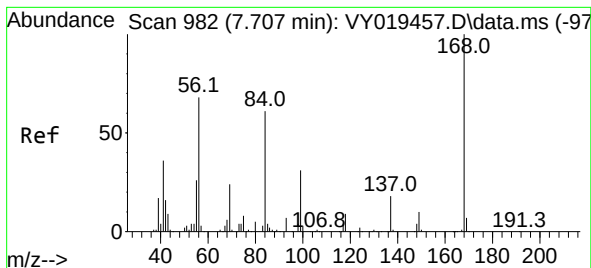
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY019600.D

Acq: 18 Sep 2024 13:00

Instrument :

MSVOA_Y

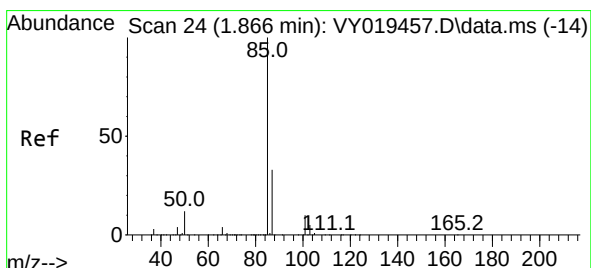
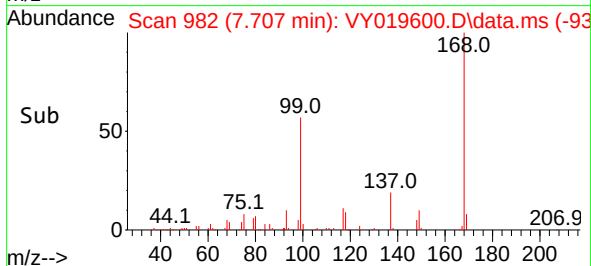
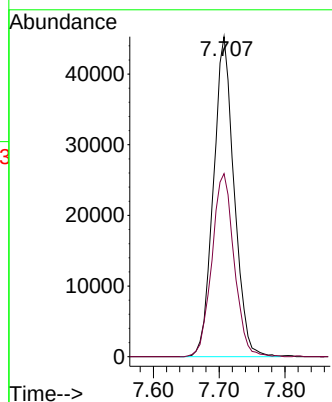
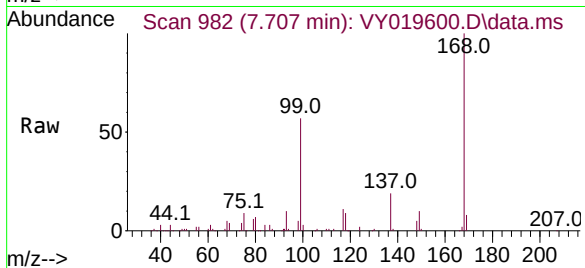
ClientSampleId :

Tgt Ion:168 Resp: 99213

Ion Ratio Lower Upper

168 100

99 57.2 39.1 58.7



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.074 min Scan# 58

Delta R.T. 0.208 min

Lab File: VY019600.D

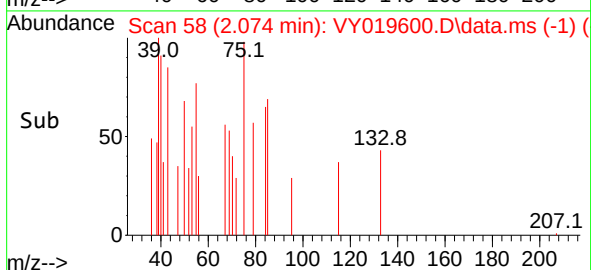
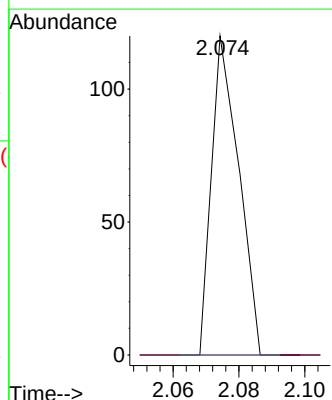
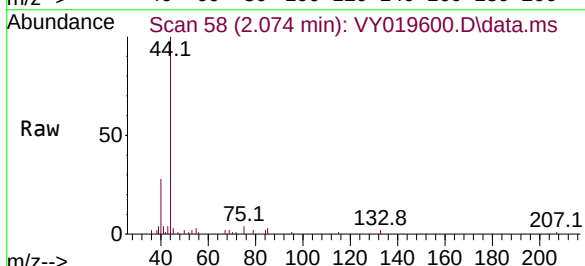
Acq: 18 Sep 2024 13:00

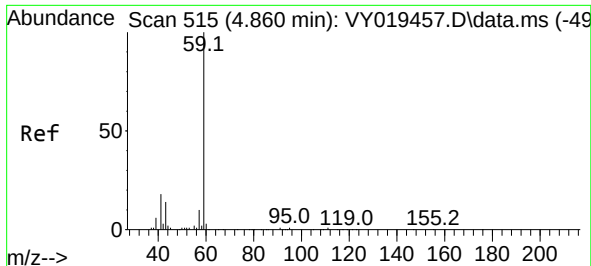
Tgt Ion: 85 Resp: 69

Ion Ratio Lower Upper

85 100

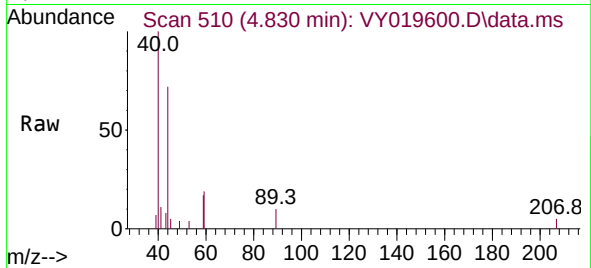
87 0.0 16.0 48.0#



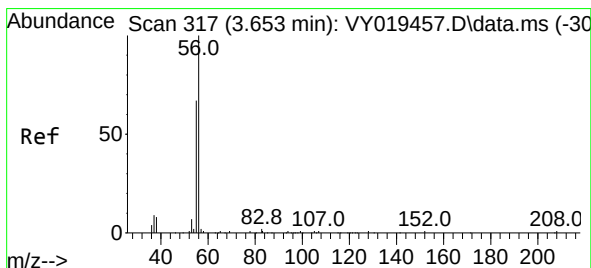
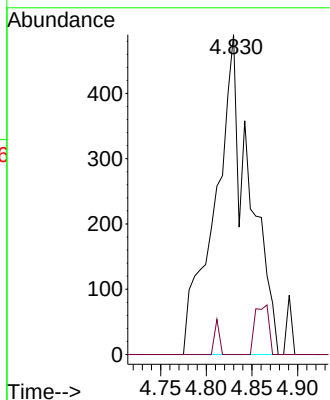
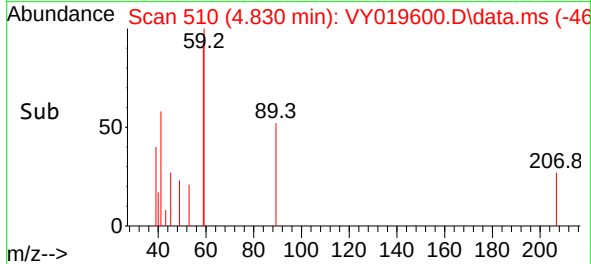


#11
Tert butyl alcohol
Concen: 17.253 ug/l
RT: 4.830 min Scan# 51
Delta R.T. -0.030 min
Lab File: VY019600.D
Acq: 18 Sep 2024 13:00

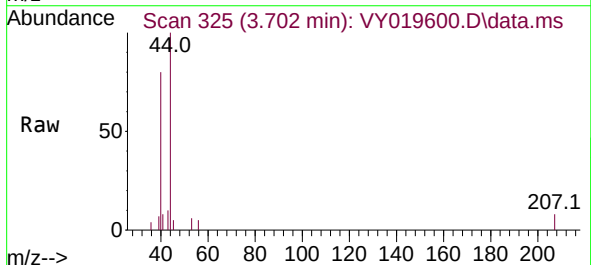
Instrument :
MSVOA_Y
ClientSampleId :



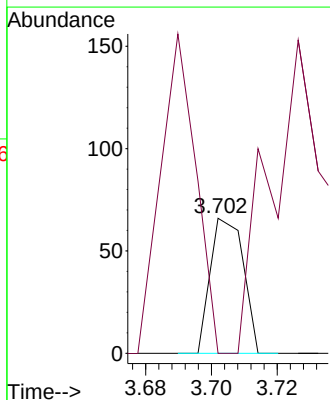
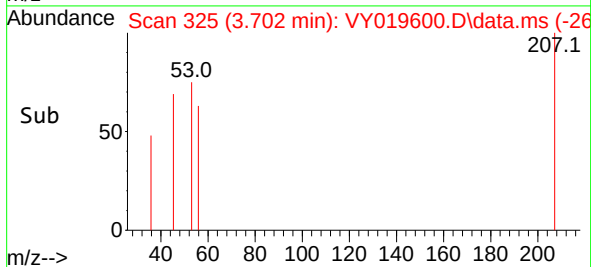
Tgt Ion: 59 Resp: 1280
Ion Ratio Lower Upper
59 100
57 1.6 3.0 4.6#

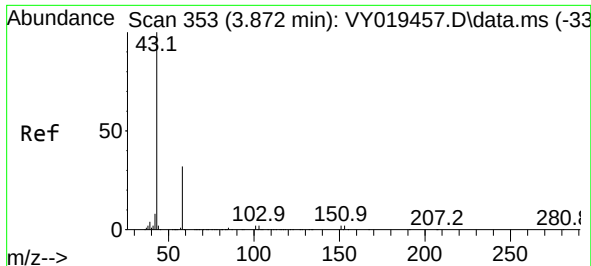


#13
Acrolein
Concen: Below Cal
RT: 3.702 min Scan# 325
Delta R.T. 0.049 min
Lab File: VY019600.D
Acq: 18 Sep 2024 13:00



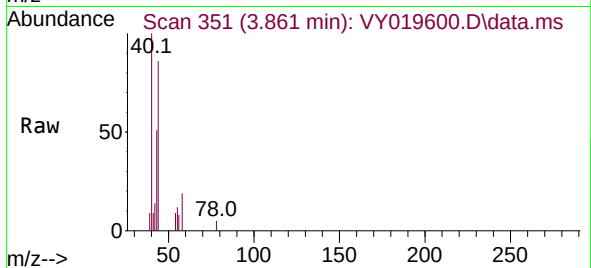
Tgt Ion: 56 Resp: 46
Ion Ratio Lower Upper
56 100
55 252.2 55.7 83.5#



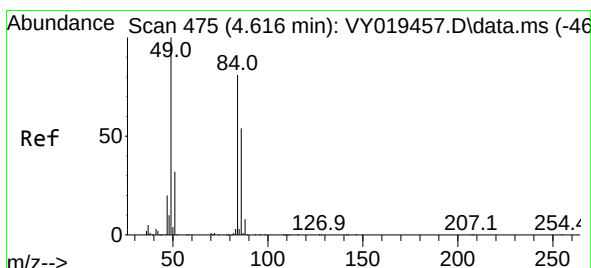
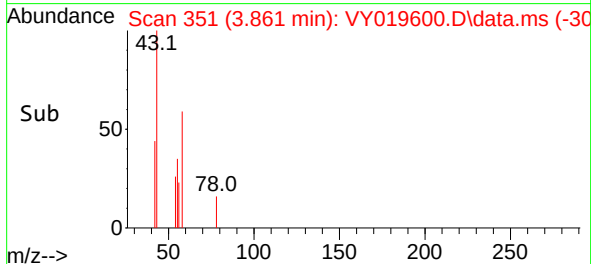
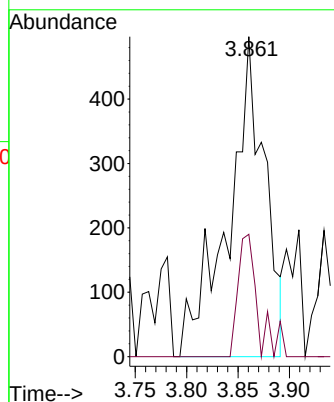


#16
Acetone
Concen: 5.602 ug/l
RT: 3.861 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY019600.D
Acq: 18 Sep 2024 13:00

Instrument :
MSVOA_Y
ClientSampleId :

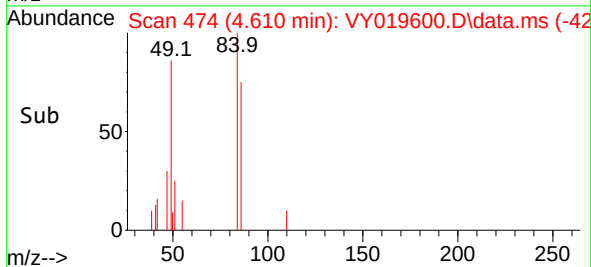
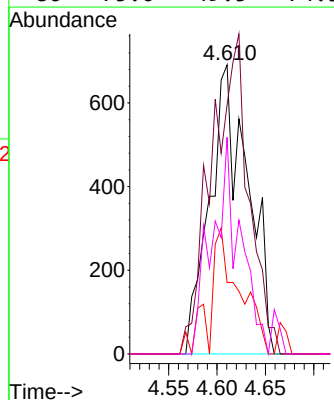
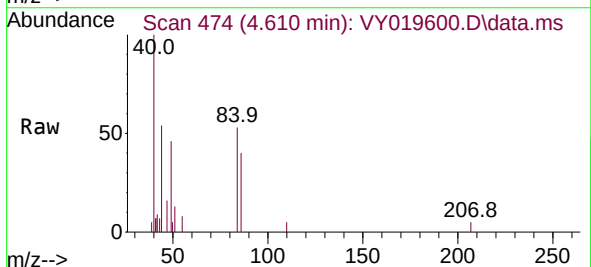


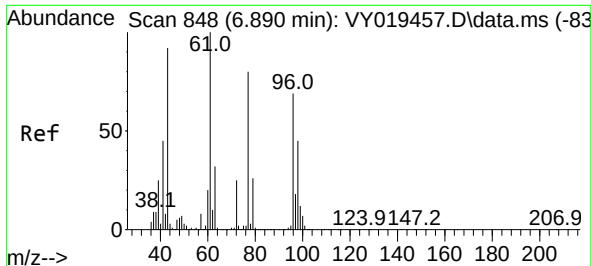
Tgt Ion: 43 Resp: 1226
Ion Ratio Lower Upper
43 100
58 38.2 31.7 47.5



#20
Methylene Chloride
Concen: 1.904 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY019600.D
Acq: 18 Sep 2024 13:00

Tgt Ion: 84 Resp: 1900
Ion Ratio Lower Upper
84 100
49 86.1 84.4 126.6
51 24.7 26.0 39.0#
86 75.0 49.5 74.3#





#25

2-Butanone

Concen: 4.992 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY019600.D

Acq: 18 Sep 2024 13:00

Instrument :

MSVOA_Y

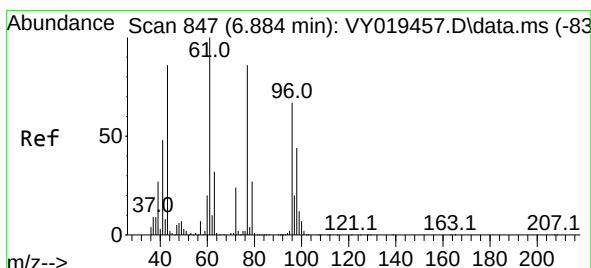
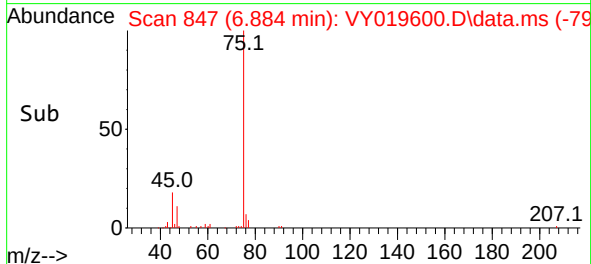
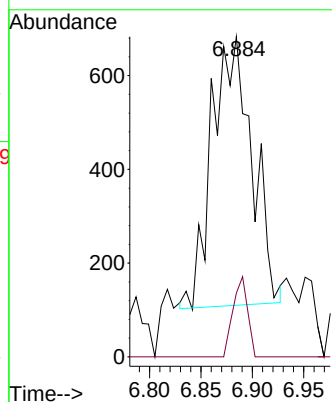
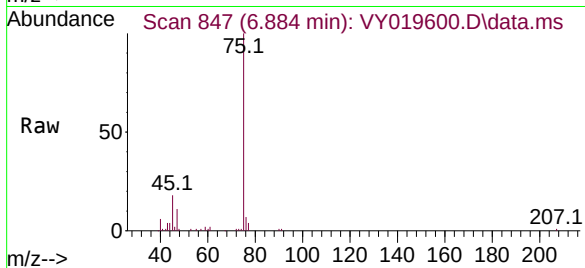
ClientSampleId :

Tgt Ion: 43 Resp: 1554

Ion Ratio Lower Upper

43 100

72 24.0 27.3 40.9#



#26

2,2-Dichloropropane

Concen: 1.778 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.007 min

Lab File: VY019600.D

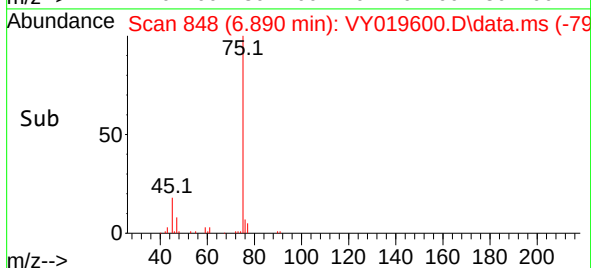
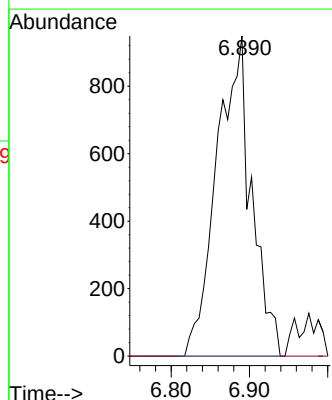
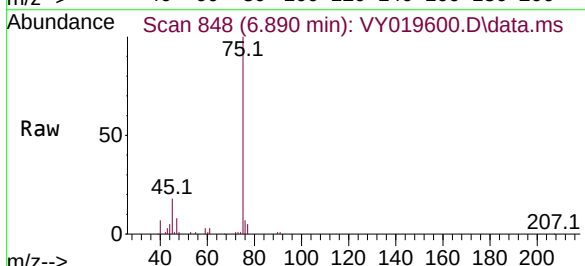
Acq: 18 Sep 2024 13:00

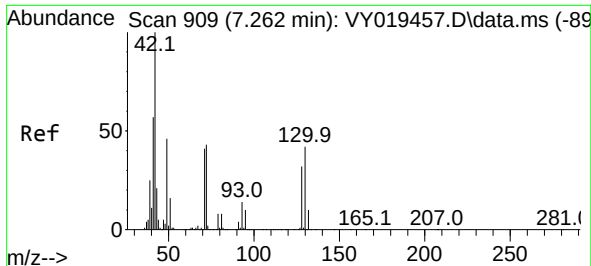
Tgt Ion: 77 Resp: 2918

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#





#29

Tetrahydrofuran

Concen: 1.284 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

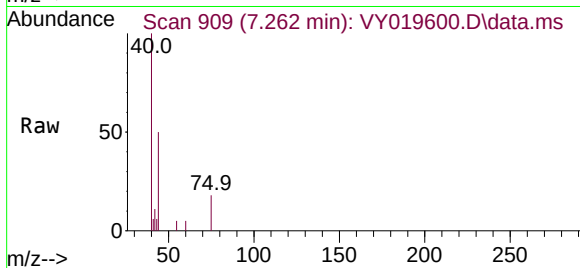
Lab File: VY019600.D

Acq: 18 Sep 2024 13:00

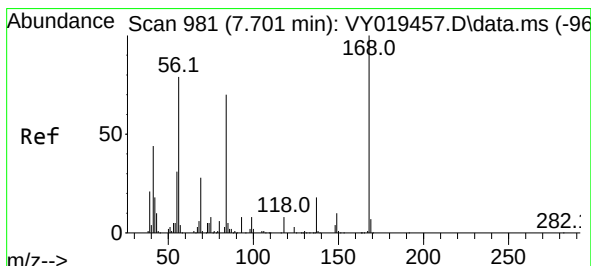
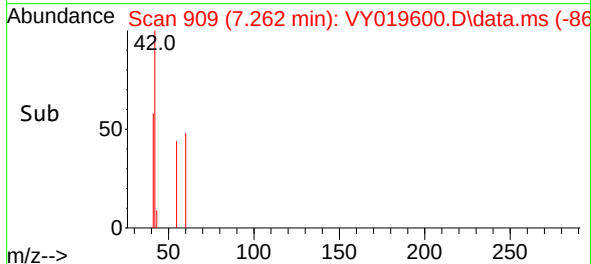
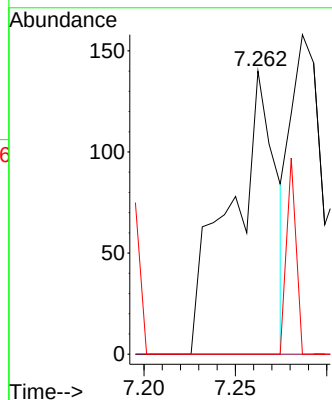
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	243
Ion Ratio	Lower	Upper	
42	100		
72	0.0	43.0	64.4#
71	0.0	40.8	61.2#



#31

Cyclohexane

Concen: 1.595 ug/l

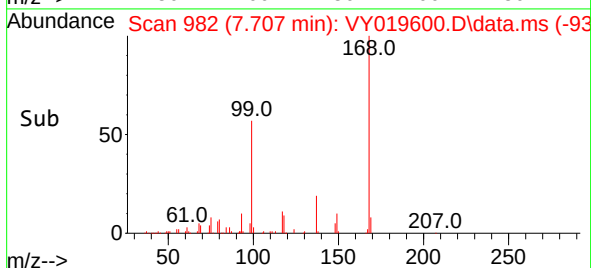
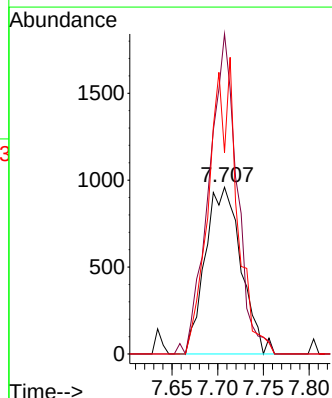
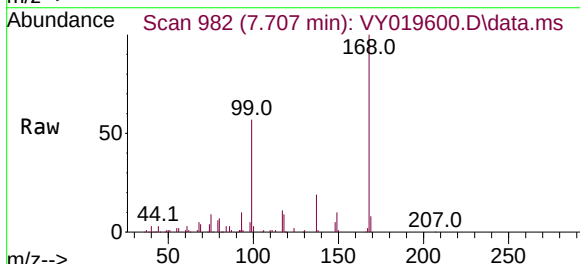
RT: 7.707 min Scan# 982

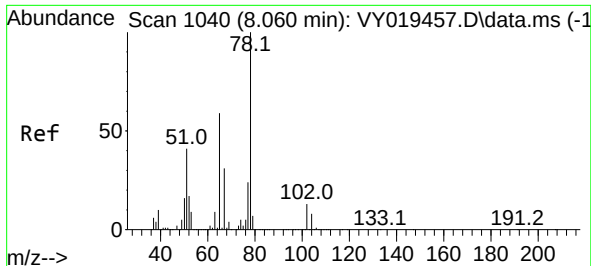
Delta R.T. 0.007 min

Lab File: VY019600.D

Acq: 18 Sep 2024 13:00

Tgt Ion:	56	Resp:	2622
Ion Ratio	Lower	Upper	
56	100		
69	192.0	28.7	43.1#
84	120.9	77.7	116.5#





#33

1,2-Dichloroethane-d4

Concen: 54.774 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY019600.D

Acq: 18 Sep 2024 13:00

Instrument :

MSVOA_Y

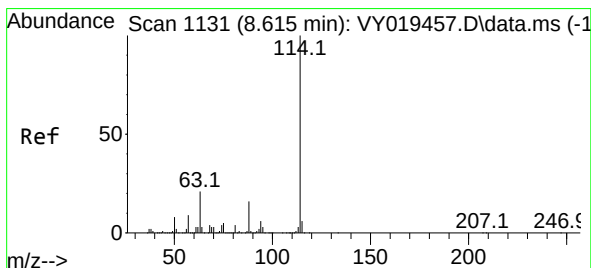
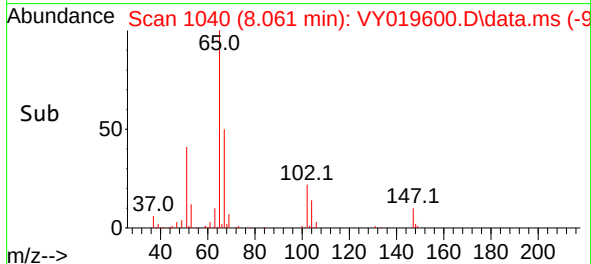
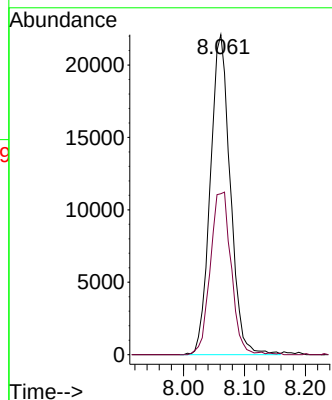
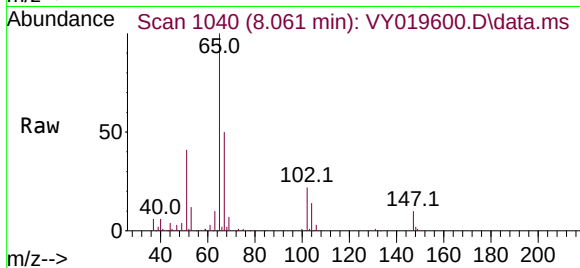
ClientSampleId :

Tgt Ion: 65 Resp: 50320

Ion Ratio Lower Upper

65 100

67 53.3 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: VY019600.D

Acq: 18 Sep 2024 13:00

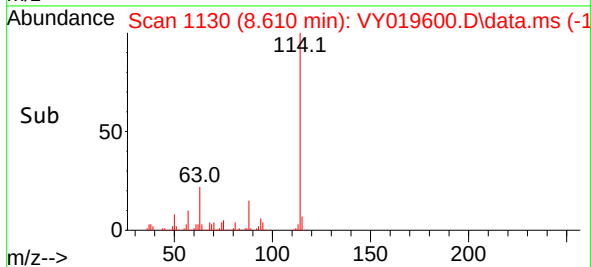
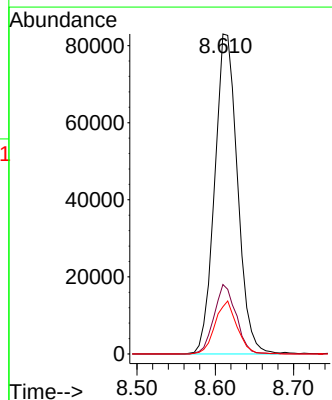
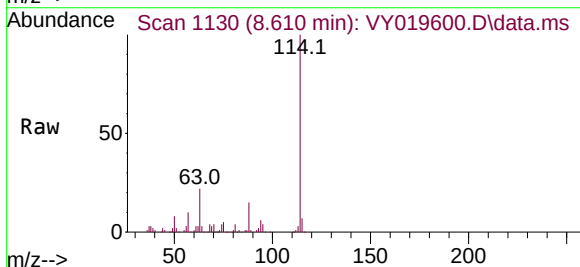
Tgt Ion: 114 Resp: 168189

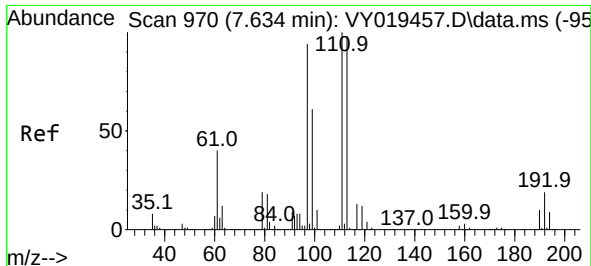
Ion Ratio Lower Upper

114 100

63 21.7 0.0 35.0

88 14.7 0.0 27.2

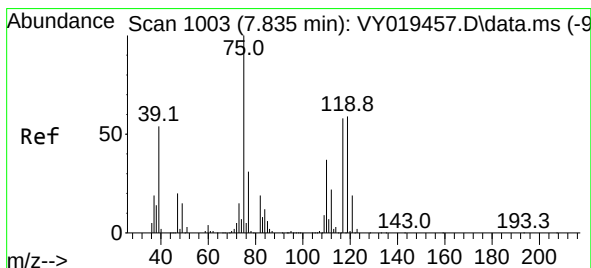
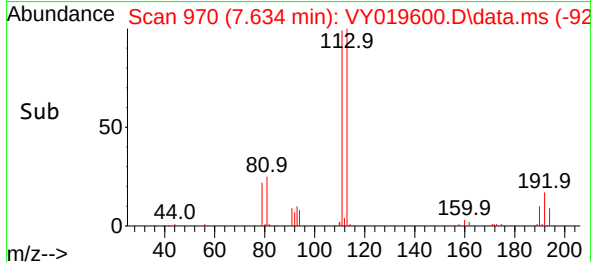
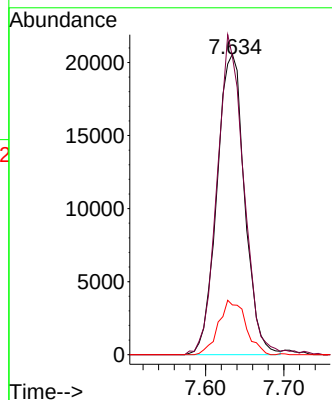
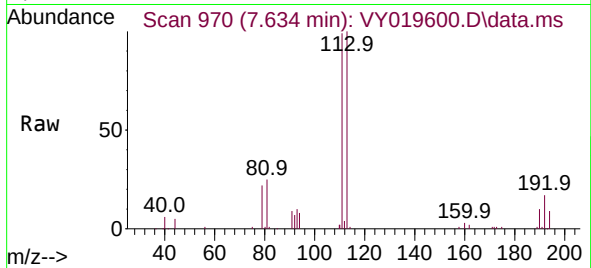




#35
Dibromofluoromethane
Concen: 53.022 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019600.D
Acq: 18 Sep 2024 13:00

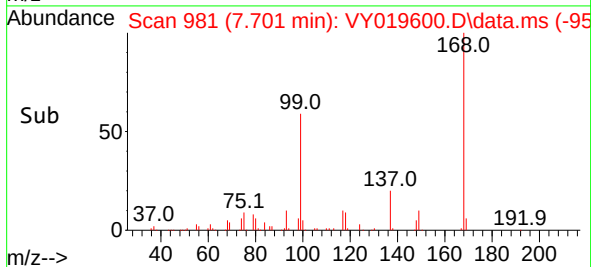
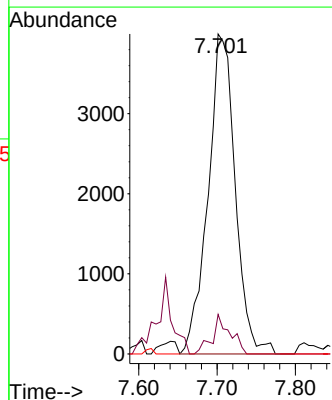
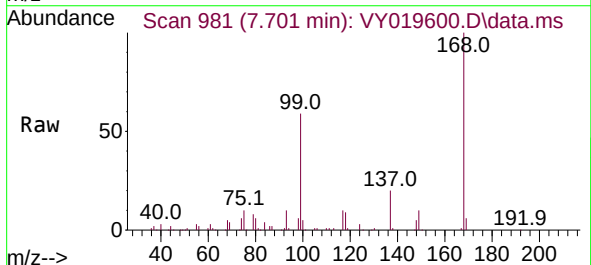
Instrument :
MSVOA_Y
ClientSampleId :

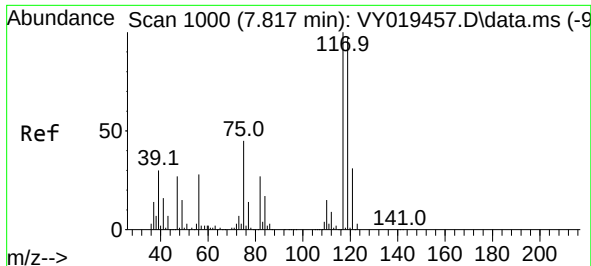
Tgt Ion:113 Resp: 50562
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.4
192 17.7 15.9 23.9



#36
1,1-Dichloropropene
Concen: 7.428 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY019600.D
Acq: 18 Sep 2024 13:00

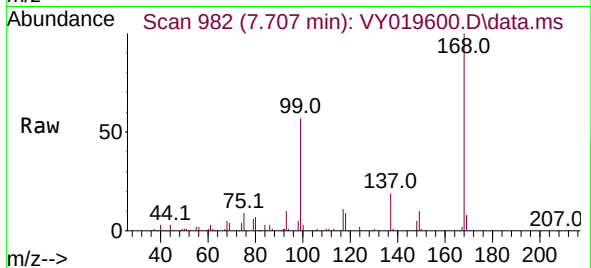
Tgt Ion: 75 Resp: 9639
Ion Ratio Lower Upper
75 100
110 8.1 19.0 57.0#
77 0.0 25.3 37.9#



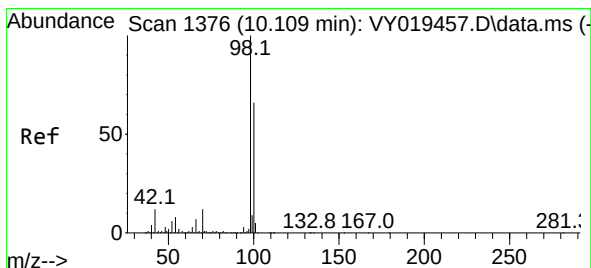
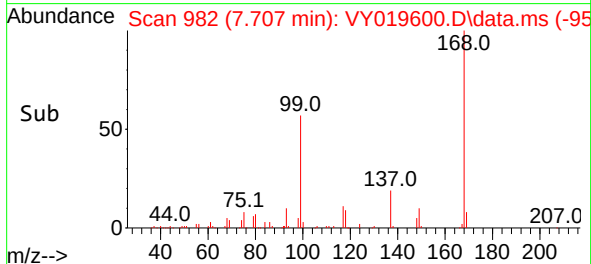
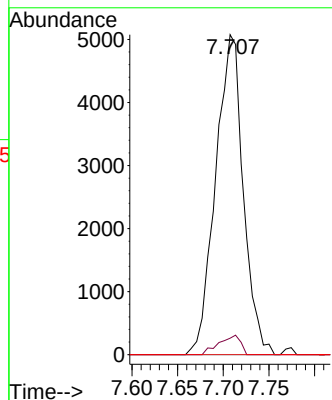


#38
Carbon Tetrachloride
Concen: 7.306 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY019600.D
Acq: 18 Sep 2024 13:00

Instrument :
MSVOA_Y
ClientSampleId :

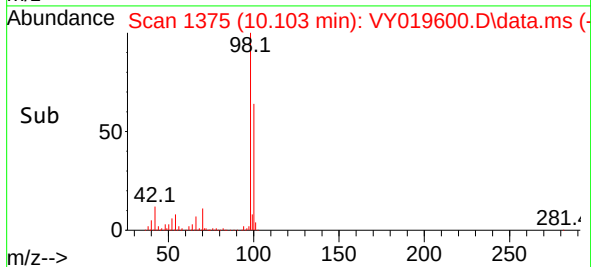
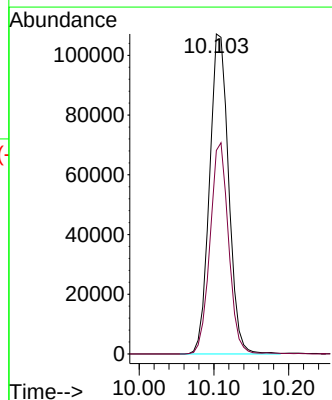
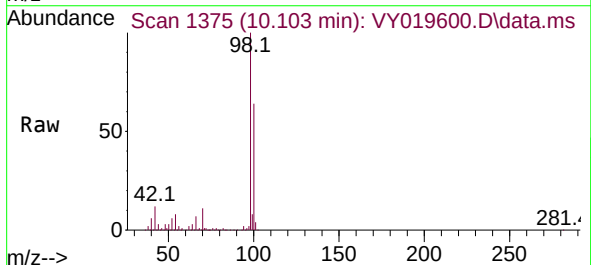


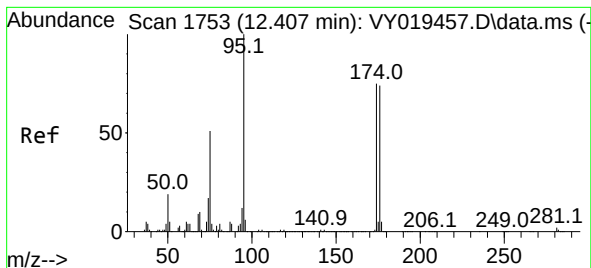
Tgt Ion:117 Resp: 10691
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 53.952 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019600.D
Acq: 18 Sep 2024 13:00

Tgt Ion: 98 Resp: 190296
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0

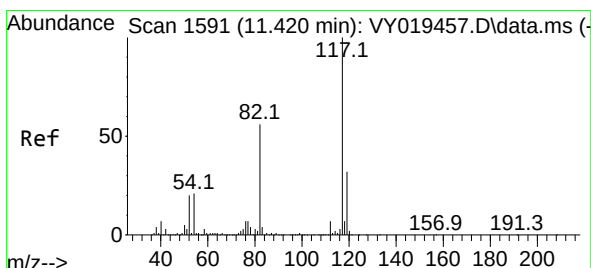
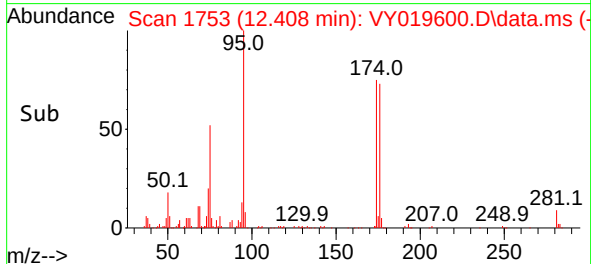
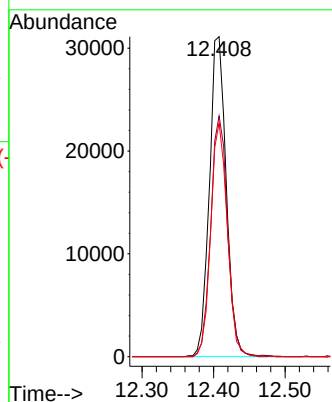
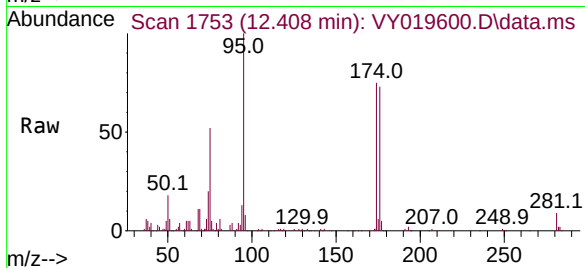




#62
4-Bromofluorobenzene
Concen: 37.598 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019600.D
Acq: 18 Sep 2024 13:00

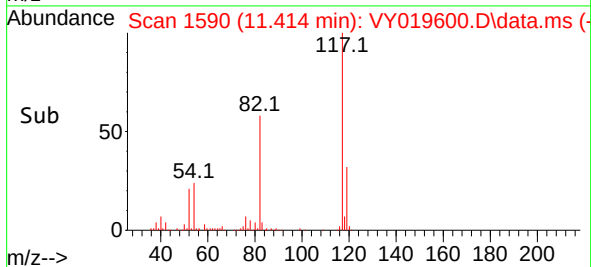
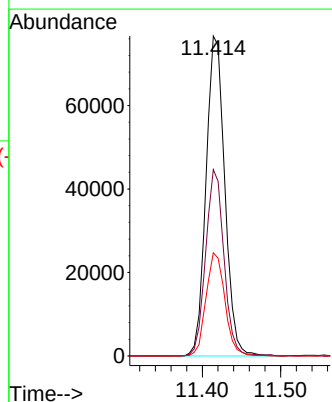
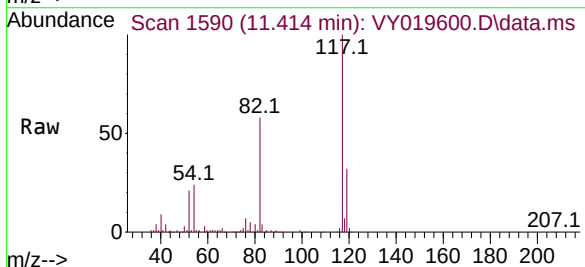
Instrument :
MSVOA_Y
ClientSampleId :

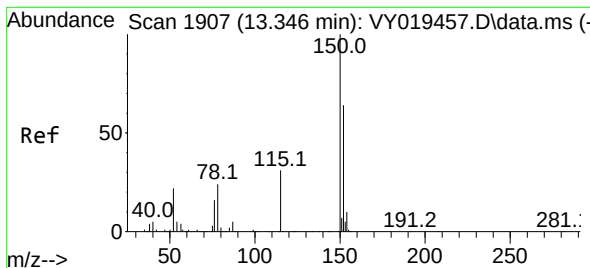
Tgt Ion: 95 Resp: 50991
Ion Ratio Lower Upper
95 100
174 74.7 0.0 175.6
176 71.6 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019600.D
Acq: 18 Sep 2024 13:00

Tgt Ion: 117 Resp: 127198
Ion Ratio Lower Upper
117 100
82 58.3 42.4 63.6
119 32.3 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: VY019600.D

Acq: 18 Sep 2024 13:00

Instrument :

MSVOA_Y

ClientSampleId :

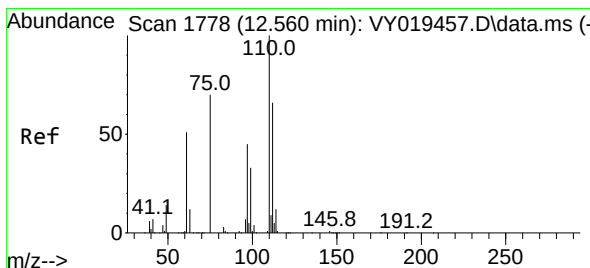
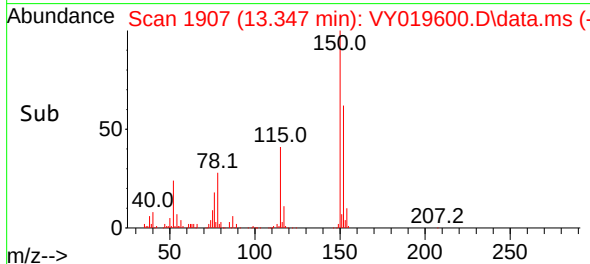
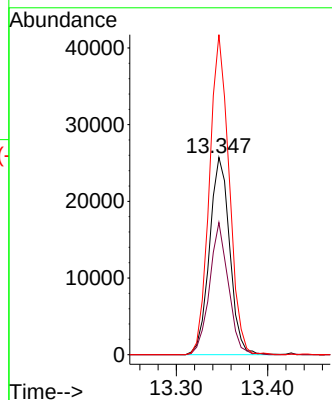
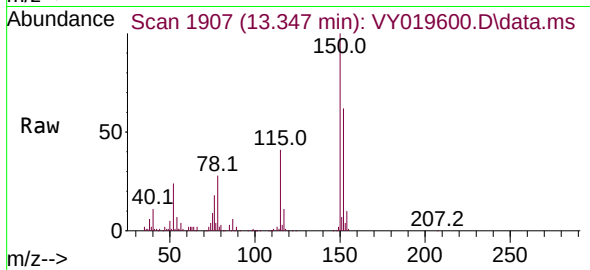
Tgt Ion:152 Resp: 39551

Ion Ratio Lower Upper

152 100

115 62.2 28.2 84.7

150 157.7 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 74.474 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019600.D

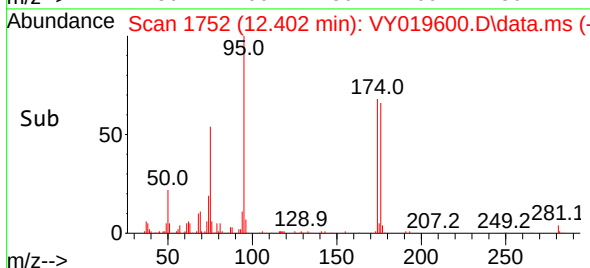
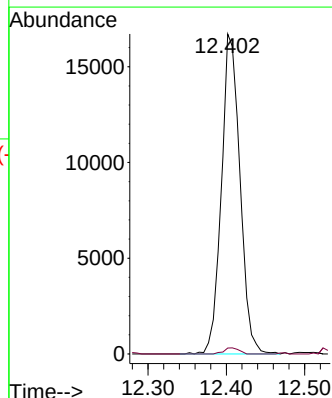
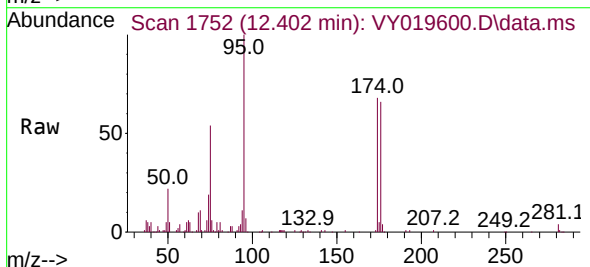
Acq: 18 Sep 2024 13:00

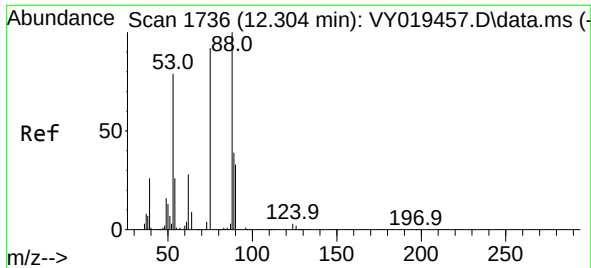
Tgt Ion: 75 Resp: 27608

Ion Ratio Lower Upper

75 100

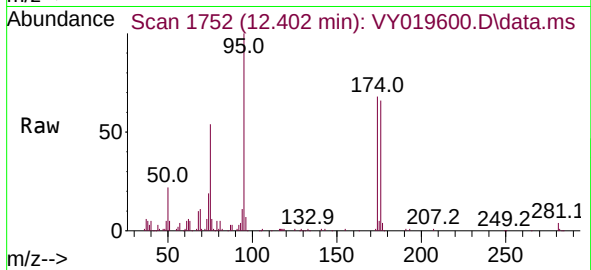
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.968 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY019600.D
 Acq: 18 Sep 2024 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 27608
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.8 100.2#
 89 0.0 35.8 53.6#

