

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091824\
 Data File : VY019606.D
 Acq On : 18 Sep 2024 15:21
 Operator : SY/MD
 Sample : P4098-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 19 01:25:51 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)

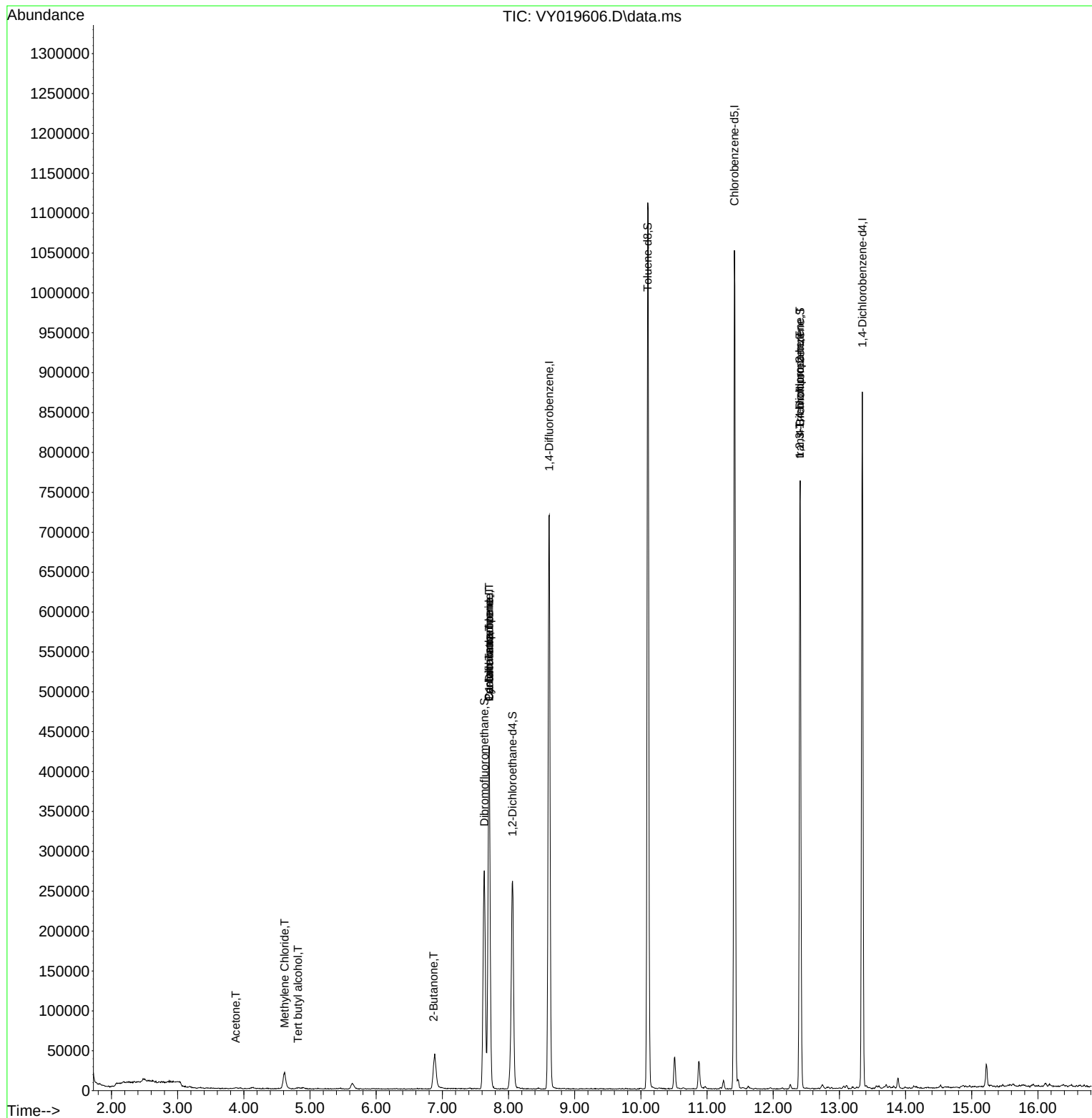
Internal Standards						
1) Pentafluorobenzene	7.707	168	316894	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	613863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	549354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	209351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	199160	67.872	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 135.740%	
35) Dibromofluoromethane	7.634	113	197865	56.850	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.700%	
50) Toluene-d8	10.103	98	736801	57.234	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 114.460%	
62) 4-Bromofluorobenzene	12.408	95	238629	48.208	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 96.420%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	87	Below Cal	#	43
11) Tert butyl alcohol	4.817	59	945	3.988	ug/l #	67
13) Acrolein	3.653	56	28	Below Cal	#	1
16) Acetone	3.879	43	1778	2.543	ug/l #	76
20) Methylene Chloride	4.616	84	13683	4.292	ug/l #	85
25) 2-Butanone	6.866	43	1234	1.241	ug/l #	66
31) Cyclohexane	7.707	56	7700	1.466	ug/l #	20
36) 1,1-Dichloropropene	7.707	75	27701	5.849	ug/l #	48
38) Carbon Tetrachloride	7.707	117	33838	6.336	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	130674	66.595	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	130674	127.843	ug/l #	16

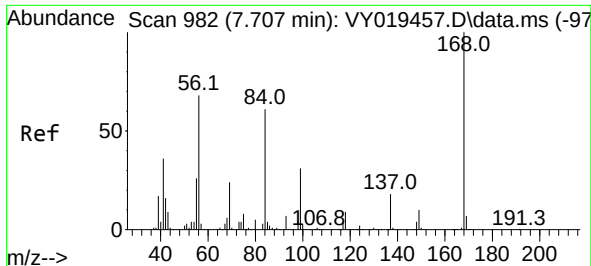
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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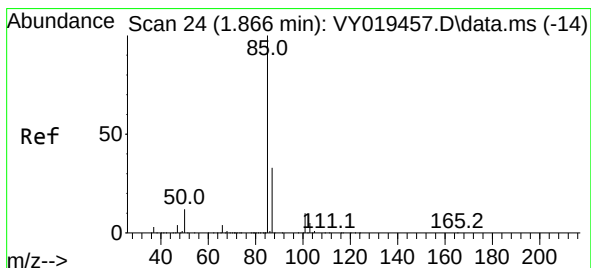
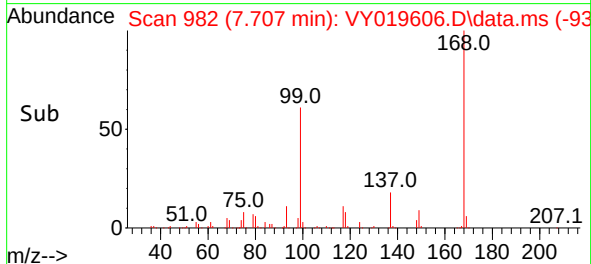
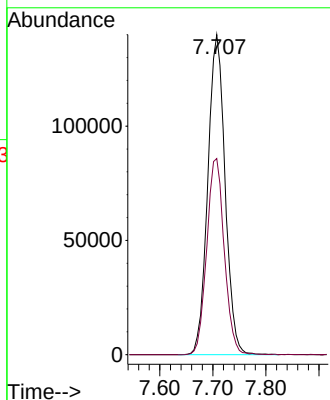
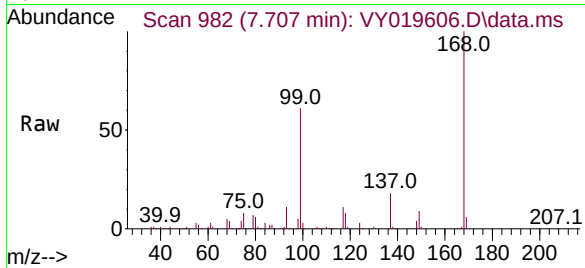




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019606.D
Acq: 18 Sep 2024 15:21

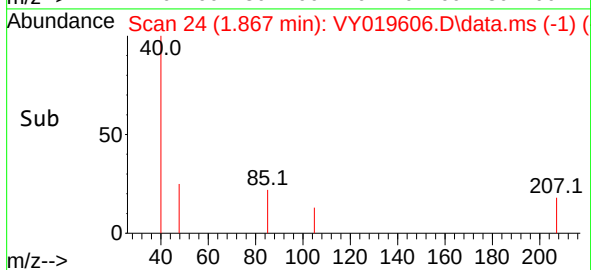
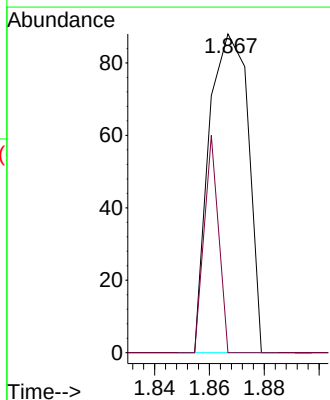
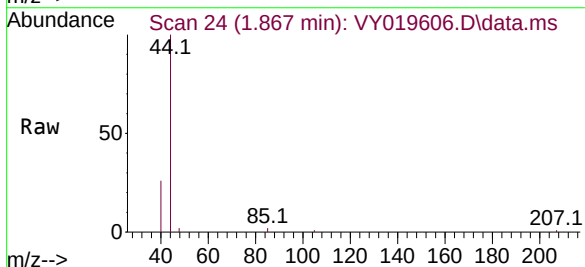
Instrument :
MSVOA_Y
ClientSampleId :

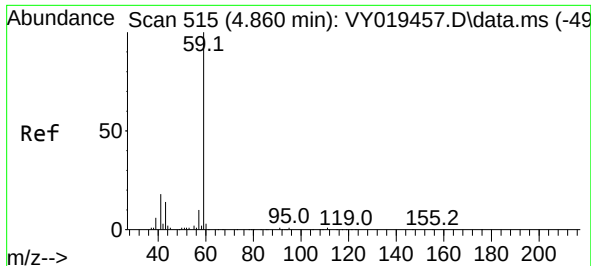
Tgt Ion:168 Resp: 316894
Ion Ratio Lower Upper
168 100
99 61.3 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY019606.D
Acq: 18 Sep 2024 15:21

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





#11

Tert butyl alcohol

Concen: 3.988 ug/l

RT: 4.817 min Scan# 50

Delta R.T. -0.042 min

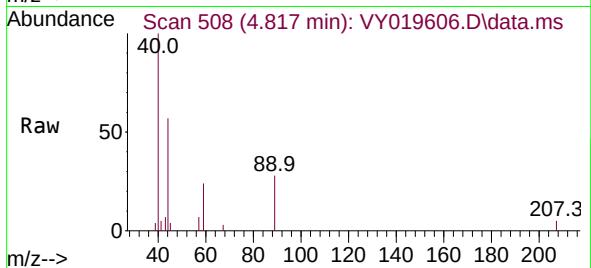
Lab File: VY019606.D

Acq: 18 Sep 2024 15:21

Instrument :

MSVOA_Y

ClientSampleId :

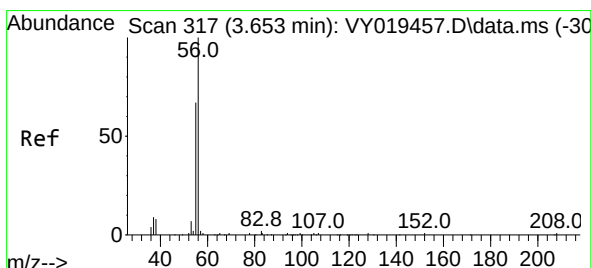
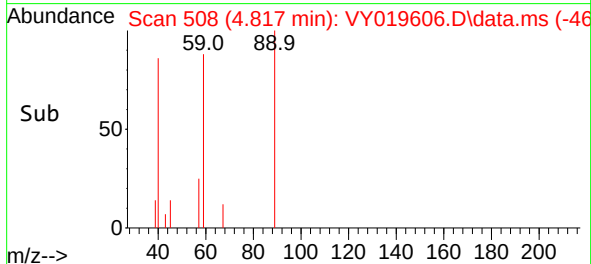
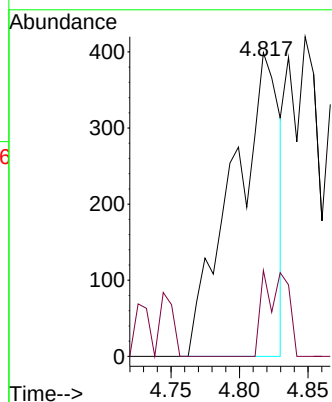


Tgt Ion: 59 Resp: 945

Ion Ratio Lower Upper

59 100

57 14.5 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY019606.D

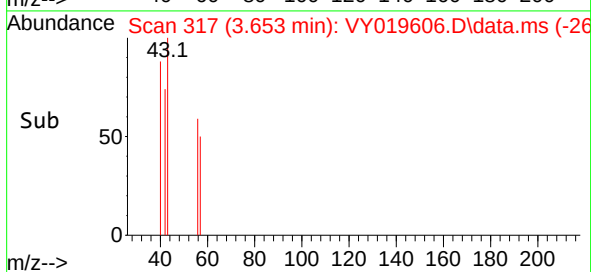
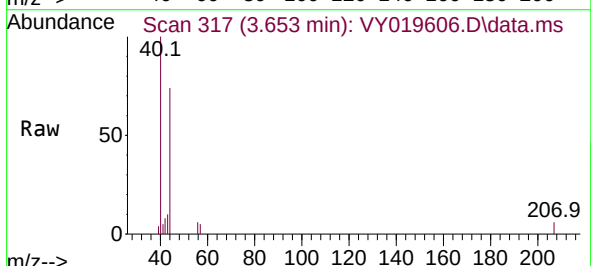
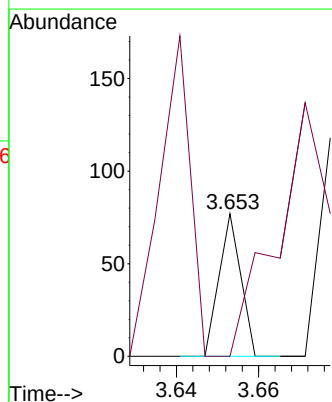
Acq: 18 Sep 2024 15:21

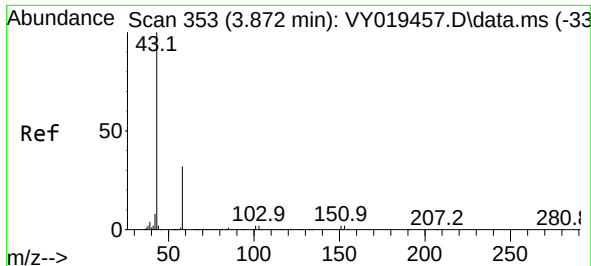
Tgt Ion: 56 Resp: 28

Ion Ratio Lower Upper

56 100

55 321.4 55.7 83.5#

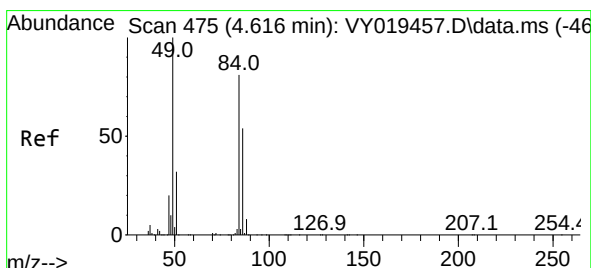
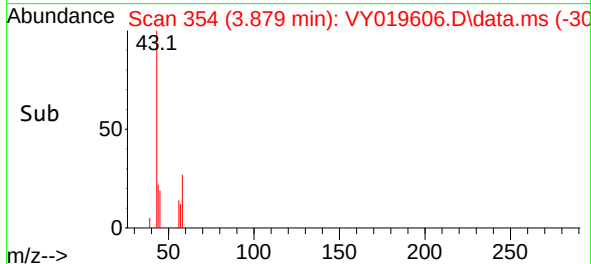
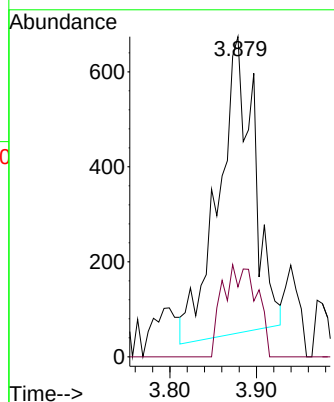
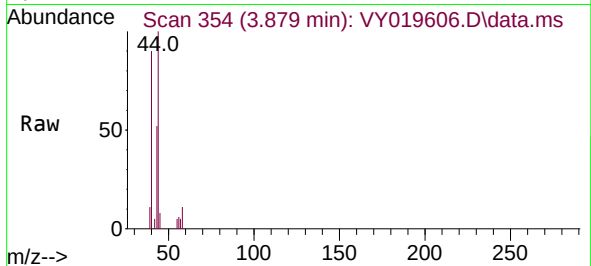




#16
Acetone
Concen: 2.543 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY019606.D
Acq: 18 Sep 2024 15:21

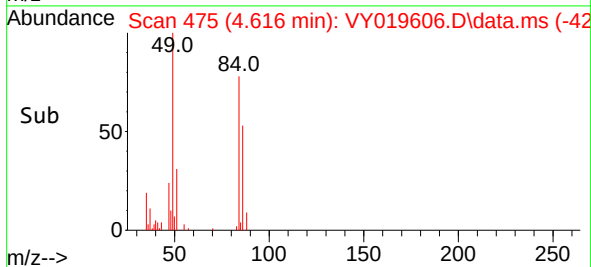
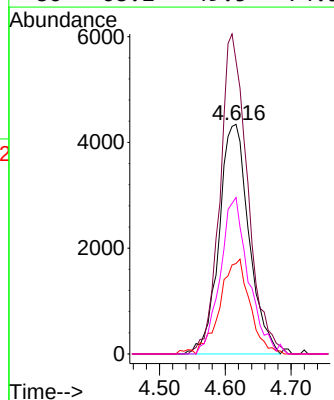
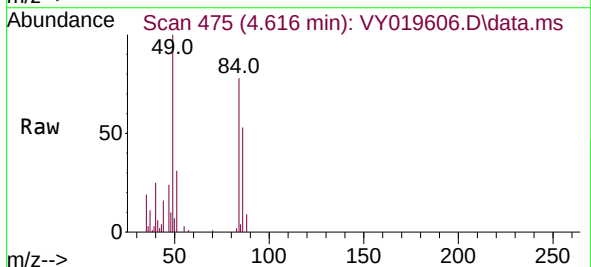
Instrument :
MSVOA_Y
ClientSampleId :

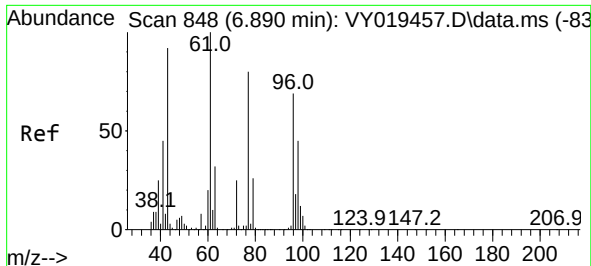
Tgt Ion: 43 Resp: 1778
Ion Ratio Lower Upper
43 100
58 24.9 31.7 47.5#



#20
Methylene Chloride
Concen: 4.292 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY019606.D
Acq: 18 Sep 2024 15:21

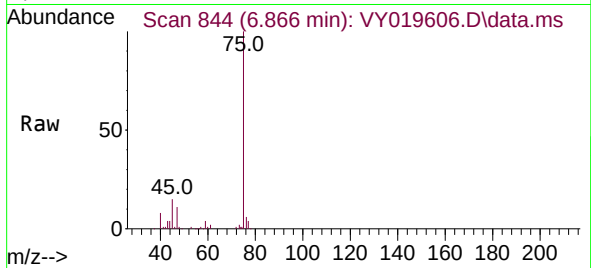
Tgt Ion: 84 Resp: 13683
Ion Ratio Lower Upper
84 100
49 127.6 84.4 126.6#
51 38.0 26.0 39.0
86 68.2 49.5 74.3



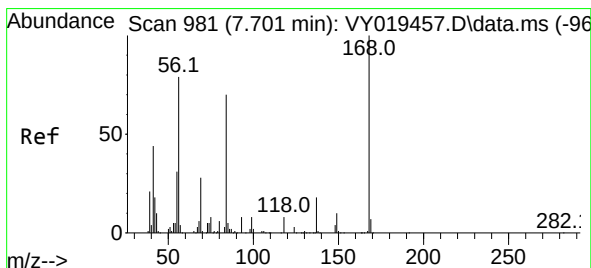
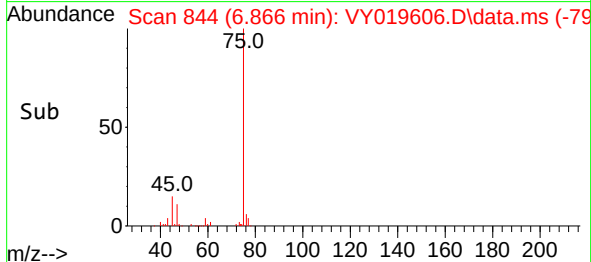
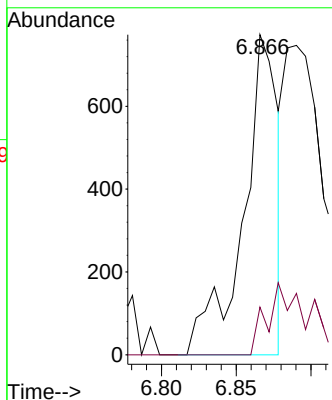


#25
2-Butanone
Concen: 1.241 ug/l
RT: 6.866 min Scan# 84
Delta R.T. -0.024 min
Lab File: VY019606.D
Acq: 18 Sep 2024 15:21

Instrument :
MSVOA_Y
ClientSampleId :

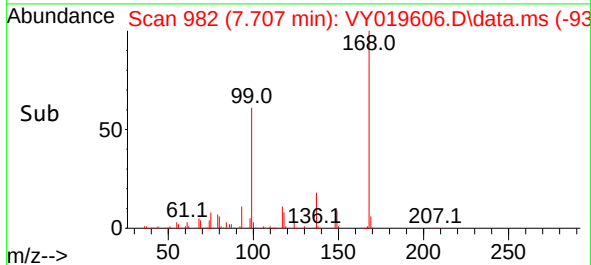
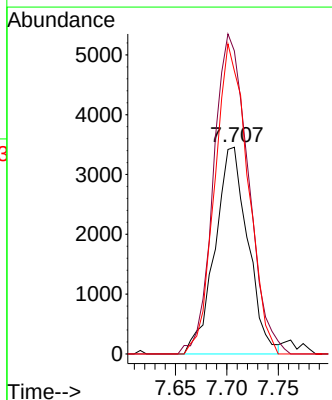
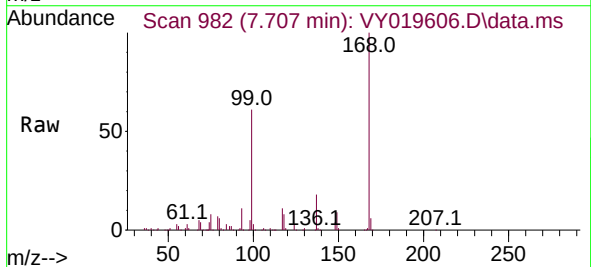


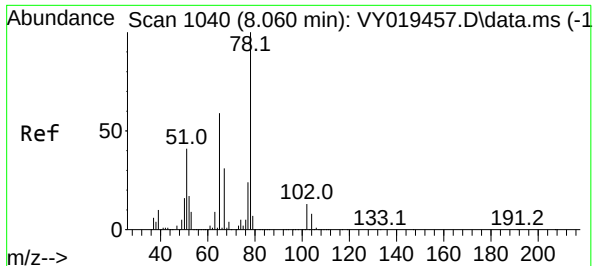
Tgt Ion: 43 Resp: 1234
Ion Ratio Lower Upper
43 100
72 14.9 27.3 40.9#



#31
Cyclohexane
Concen: 1.466 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY019606.D
Acq: 18 Sep 2024 15:21

Tgt Ion: 56 Resp: 7700
Ion Ratio Lower Upper
56 100
69 146.6 28.7 43.1#
84 137.0 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 67.872 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019606.D

Acq: 18 Sep 2024 15:21

Instrument :

MSVOA_Y

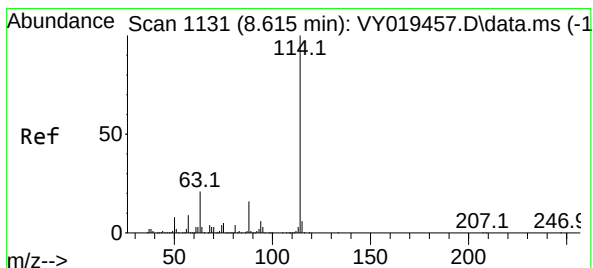
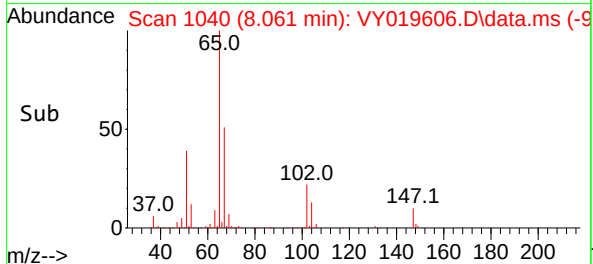
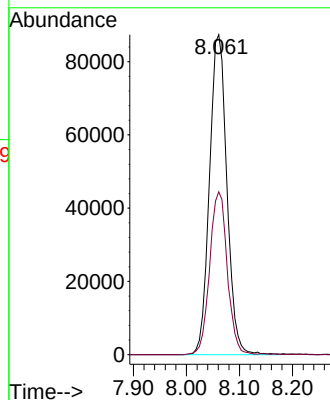
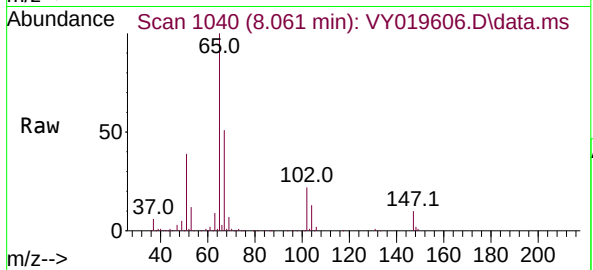
ClientSampleId :

Tgt Ion: 65 Resp: 199160

Ion Ratio Lower Upper

65 100

67 51.5 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: VY019606.D

Acq: 18 Sep 2024 15:21

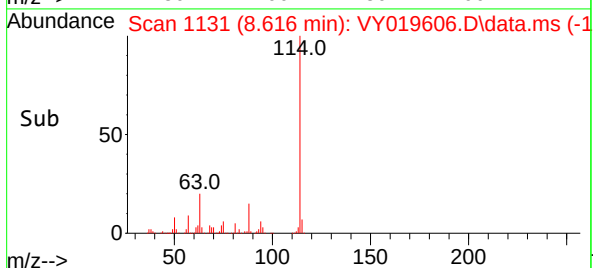
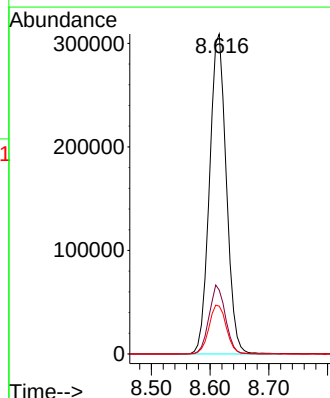
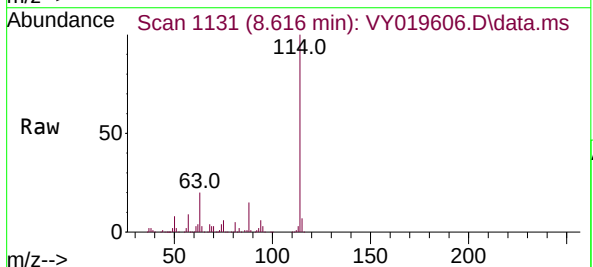
Tgt Ion: 114 Resp: 613863

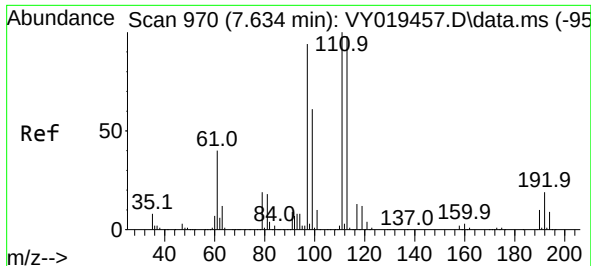
Ion Ratio Lower Upper

114 100

63 19.9 0.0 35.0

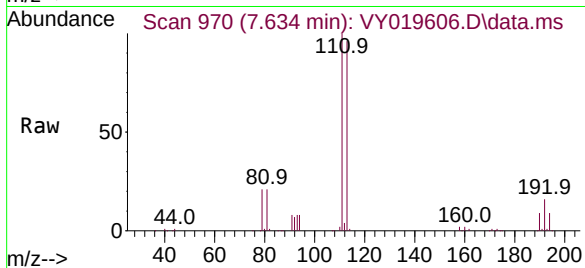
88 14.9 0.0 27.2



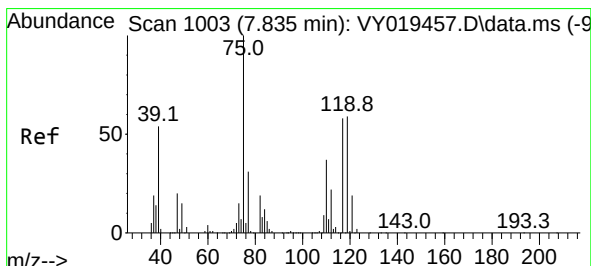
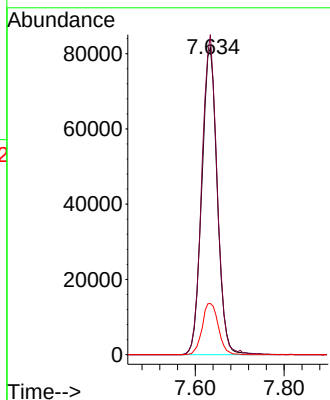
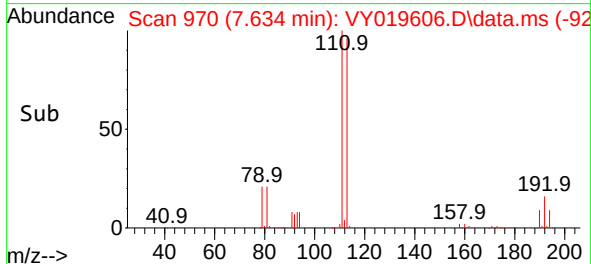


#35
Dibromofluoromethane
Concen: 56.850 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019606.D
Acq: 18 Sep 2024 15:21

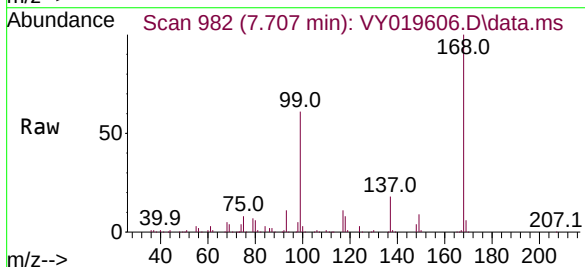
Instrument :
MSVOA_Y
ClientSampleId :



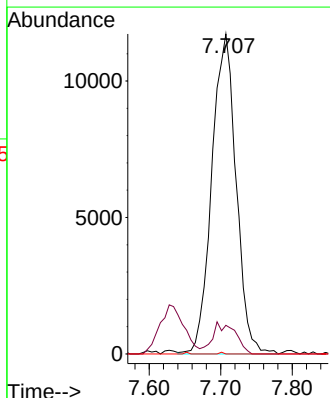
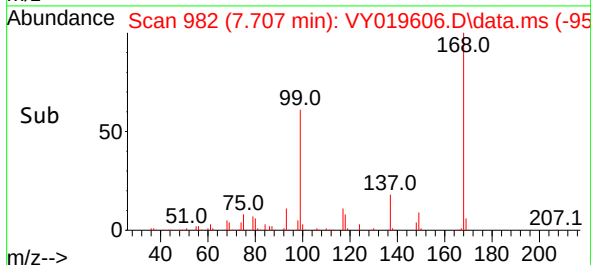
Tgt Ion:113 Resp: 197865
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 17.5 15.9 23.9

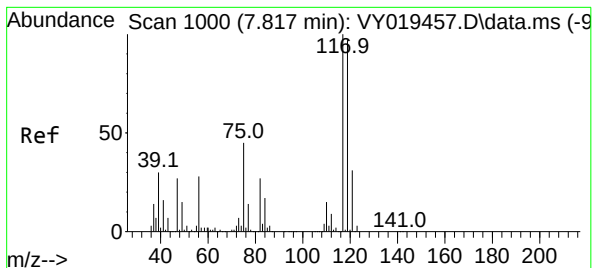


#36
1,1-Dichloropropene
Concen: 5.849 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY019606.D
Acq: 18 Sep 2024 15:21



Tgt Ion: 75 Resp: 27701
Ion Ratio Lower Upper
75 100
110 9.3 19.0 57.0#
77 0.1 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.336 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.109 min

Lab File: VY019606.D

Acq: 18 Sep 2024 15:21

Instrument :

MSVOA_Y

ClientSampleId :

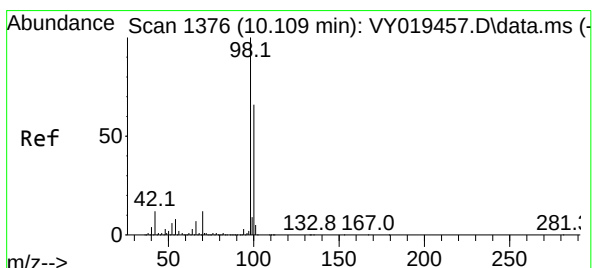
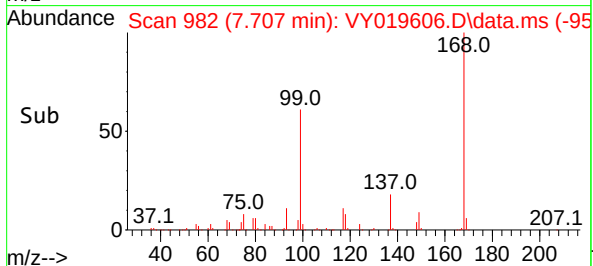
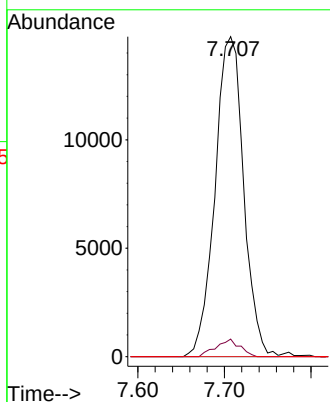
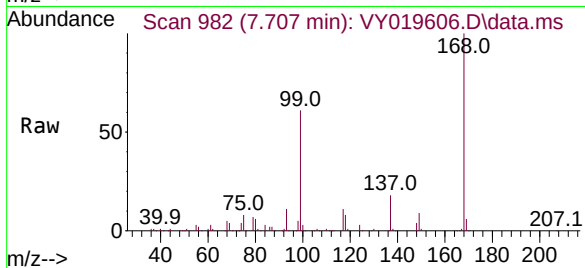
Tgt Ion:117 Resp: 33838

Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.6#

121 0.0 24.0 36.0#



#50

Toluene-d8

Concen: 57.234 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY019606.D

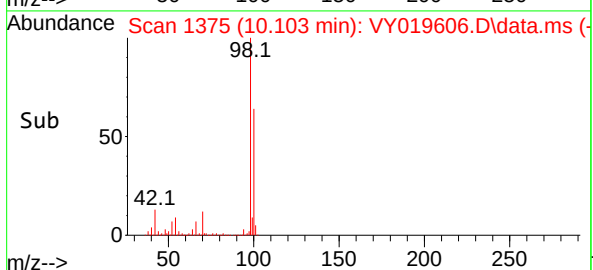
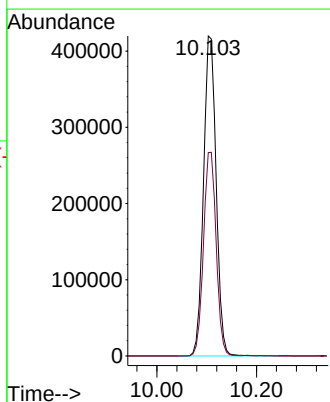
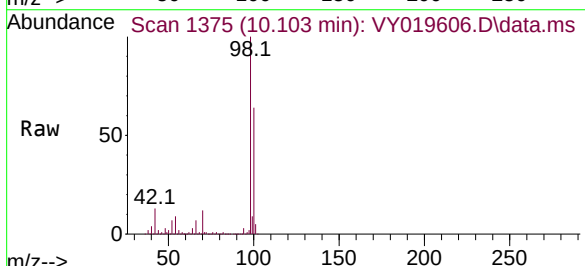
Acq: 18 Sep 2024 15:21

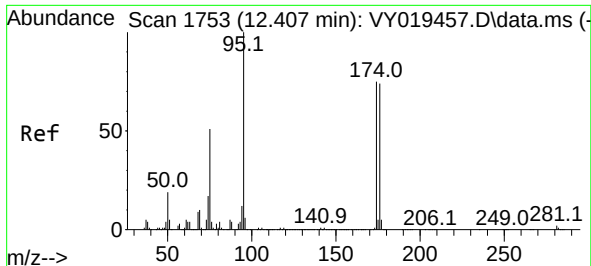
Tgt Ion: 98 Resp: 736801

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0

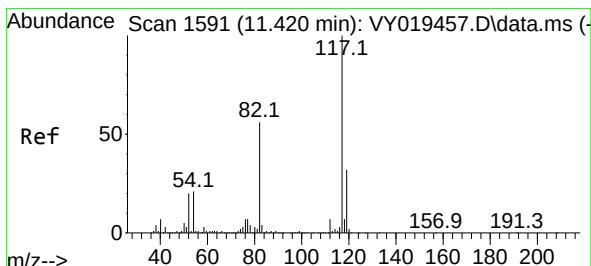
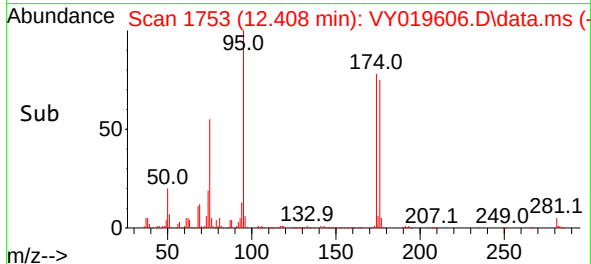
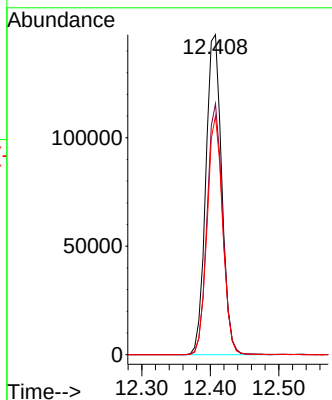
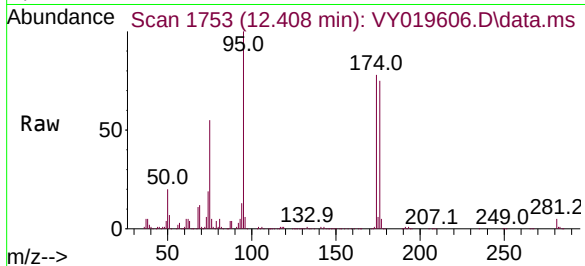




#62
4-Bromofluorobenzene
Concen: 48.208 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019606.D
Acq: 18 Sep 2024 15:21

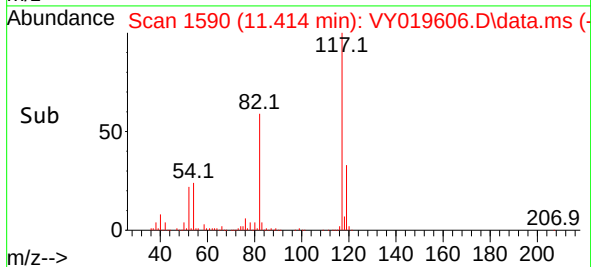
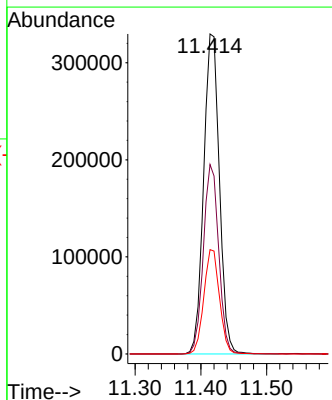
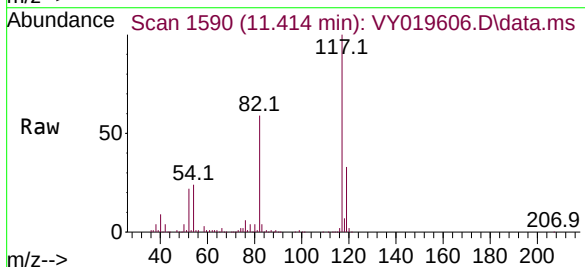
Instrument :
MSVOA_Y
ClientSampleId :

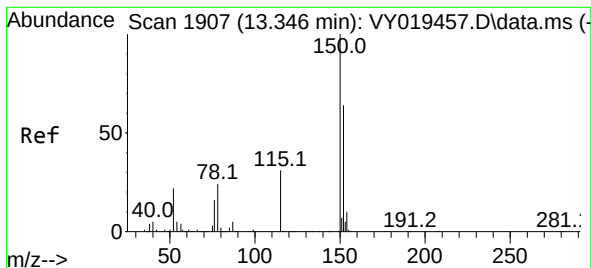
Tgt Ion: 95 Resp: 238629
Ion Ratio Lower Upper
95 100
174 76.3 0.0 175.6
176 72.7 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019606.D
Acq: 18 Sep 2024 15:21

Tgt Ion: 117 Resp: 549354
Ion Ratio Lower Upper
117 100
82 59.2 42.4 63.6
119 32.6 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: VY019606.D

Acq: 18 Sep 2024 15:21

Instrument :

MSVOA_Y

ClientSampleId :

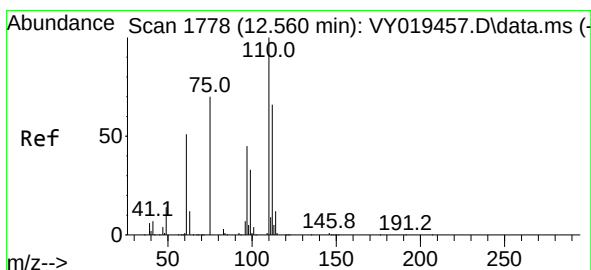
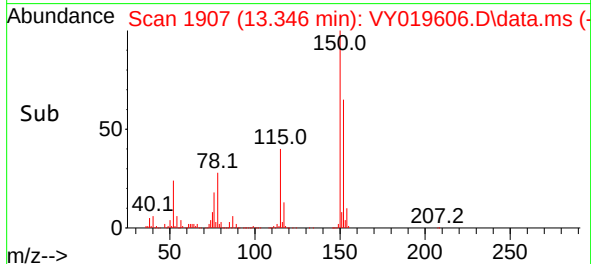
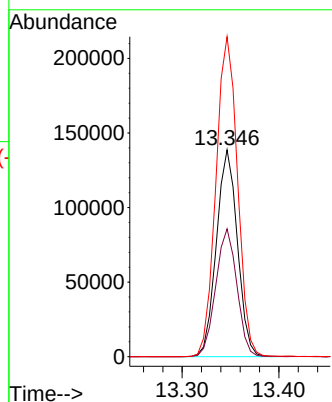
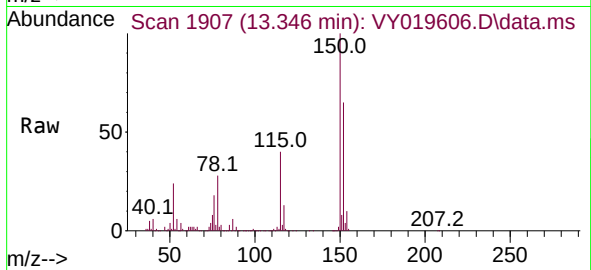
Tgt Ion:152 Resp: 209351

Ion Ratio Lower Upper

152 100

115 62.1 28.2 84.7

150 158.5 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 66.595 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019606.D

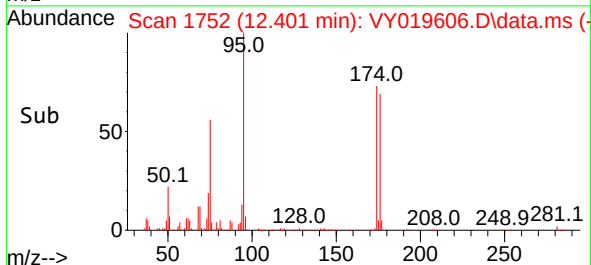
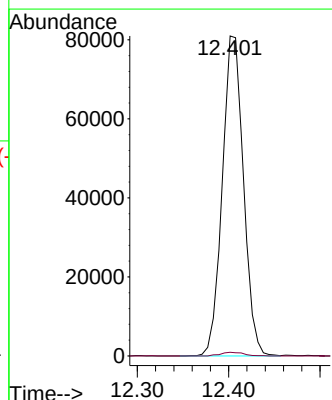
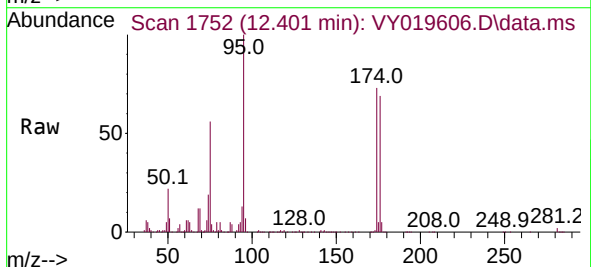
Acq: 18 Sep 2024 15:21

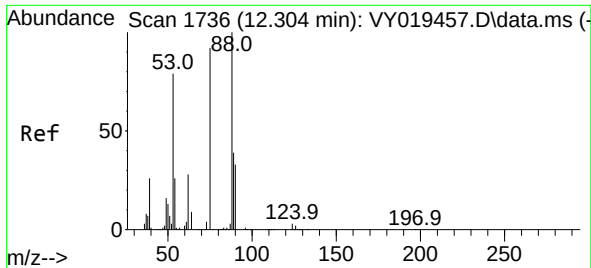
Tgt Ion: 75 Resp: 130674

Ion Ratio Lower Upper

75 100

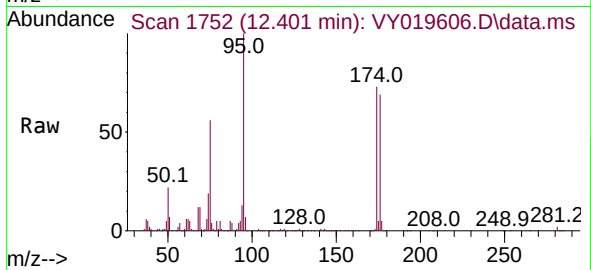
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.843 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY019606.D
 Acq: 18 Sep 2024 15:21

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 130674
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.1 35.8 53.6#

