

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091824\
 Data File : VY019611.D
 Acq On : 18 Sep 2024 17:18
 Operator : SY/MD
 Sample : P4087-21
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 19 01:26:52 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)

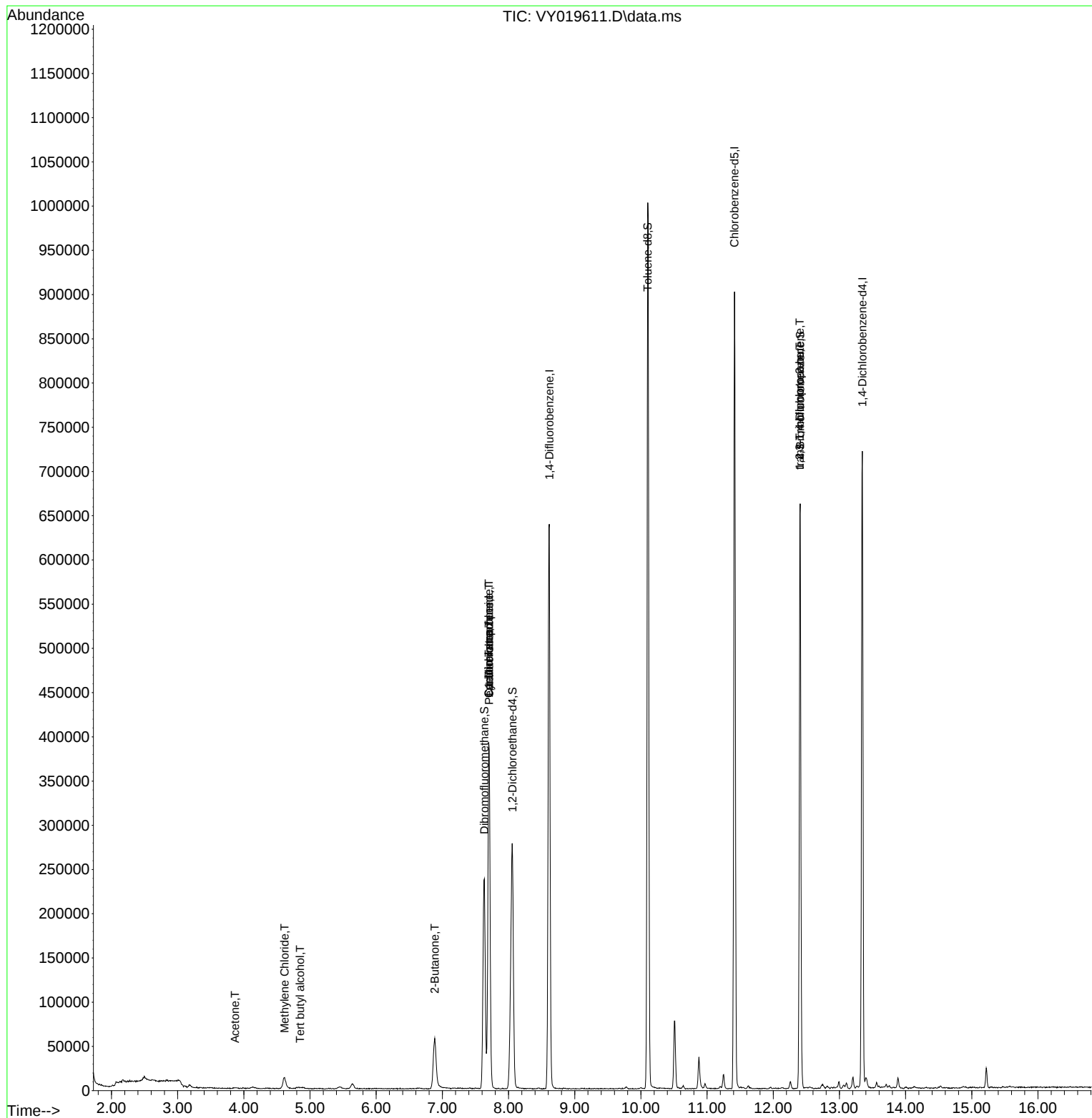
Internal Standards						
1) Pentafluorobenzene	7.707	168	289379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	544917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	476003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	178054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	178280	66.533	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.060%	
35) Dibromofluoromethane	7.634	113	170810	55.286	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.580%	
50) Toluene-d8	10.103	98	647812	56.688	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.380%	
62) 4-Bromofluorobenzene	12.408	95	205681	46.809	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 93.620%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	256	Below Cal	#	43
11) Tert butyl alcohol	4.848	59	1528	7.061	ug/l #	97
13) Acrolein	3.653	56	22	Below Cal	#	1
16) Acetone	3.867	43	1666	2.610	ug/l #	63
20) Methylene Chloride	4.616	84	8427	2.895	ug/l	94
25) 2-Butanone	6.884	43	3657	4.028	ug/l #	79
31) Cyclohexane	7.701	56	6951	1.449	ug/l #	4
36) 1,1-Dichloropropene	7.701	75	25855	6.150	ug/l #	49
38) Carbon Tetrachloride	7.701	117	30679	6.471	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	111938	67.074	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	111938	128.762	ug/l #	16

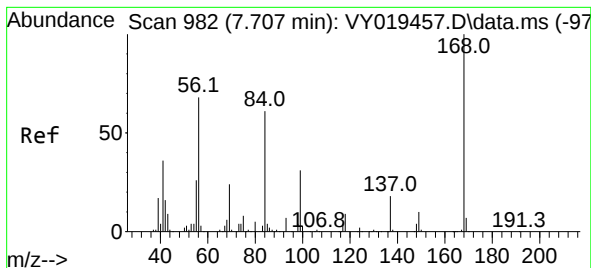
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091824\
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Quant Time: Sep 19 01:26:52 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: VY019611.D

Acq: 18 Sep 2024 17:18

Instrument :

MSVOA_Y

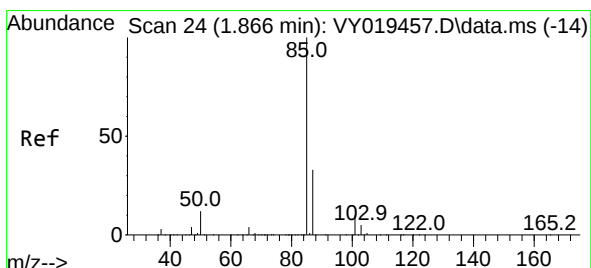
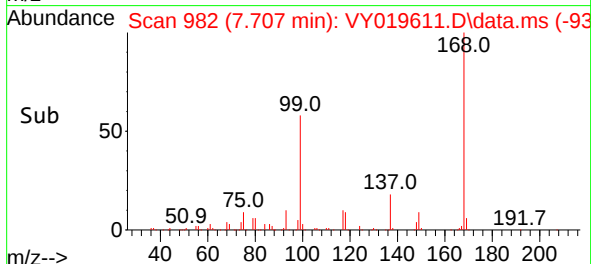
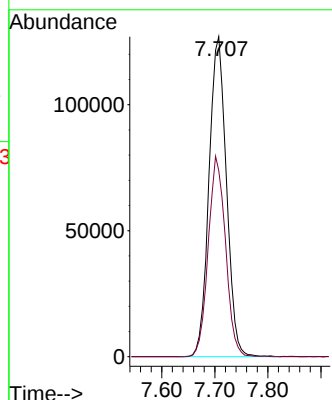
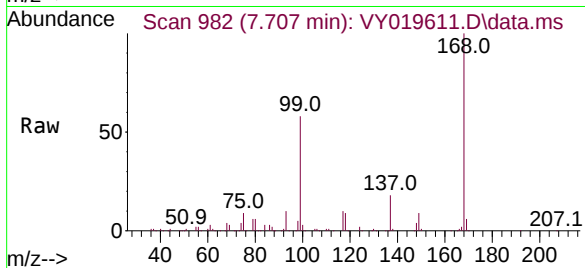
ClientSampleId :

Tgt Ion:168 Resp: 289379

Ion Ratio Lower Upper

168 100

99 58.2 39.1 58.7



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.867 min Scan# 24

Delta R.T. 0.001 min

Lab File: VY019611.D

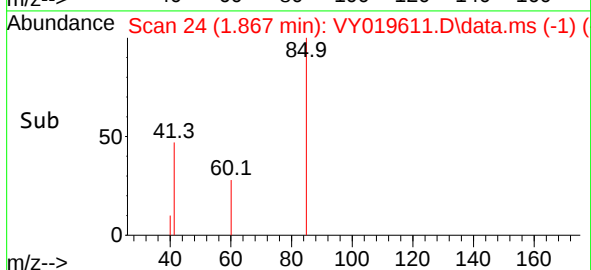
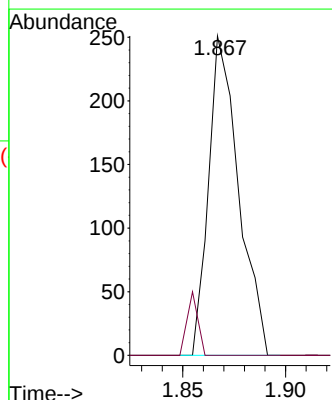
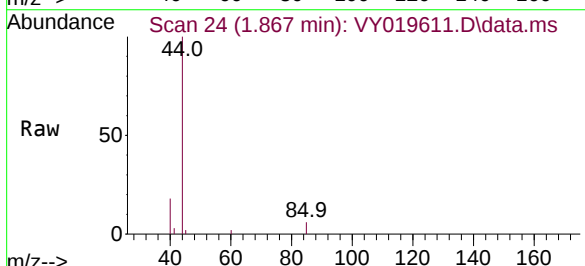
Acq: 18 Sep 2024 17:18

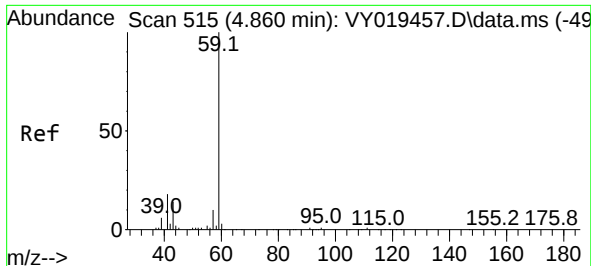
Tgt Ion: 85 Resp: 256

Ion Ratio Lower Upper

85 100

87 0.0 16.0 48.0#





#11

Tert butyl alcohol

Concen: 7.061 ug/l

RT: 4.848 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY019611.D

Acq: 18 Sep 2024 17:18

Instrument :

MSVOA_Y

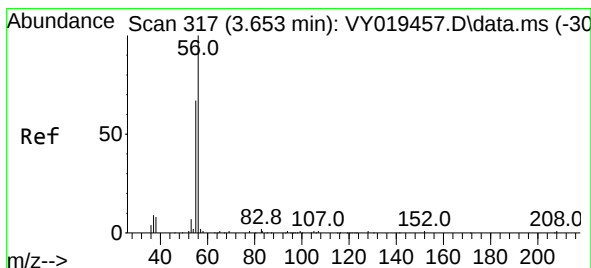
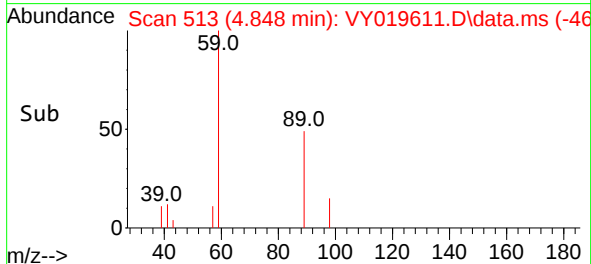
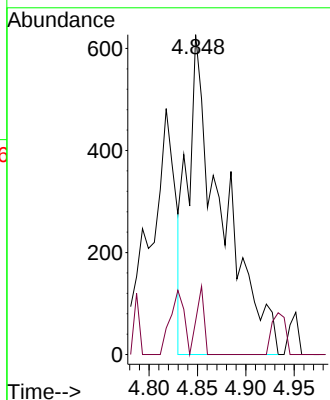
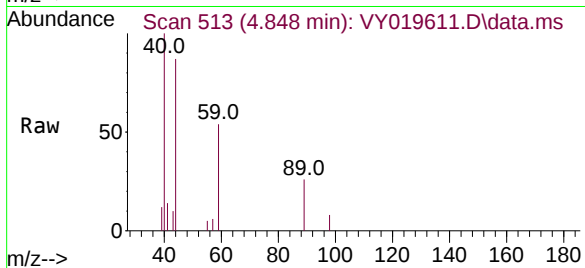
ClientSampleId :

Tgt Ion: 59 Resp: 1528

Ion Ratio Lower Upper

59 100

57 4.8 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY019611.D

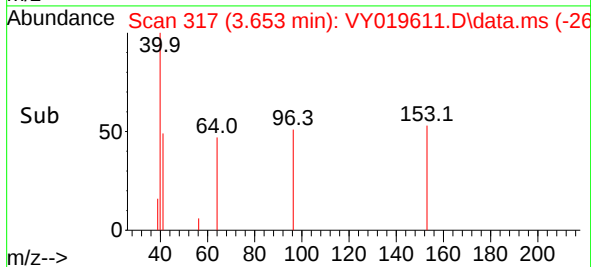
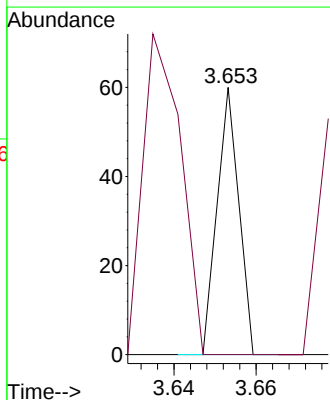
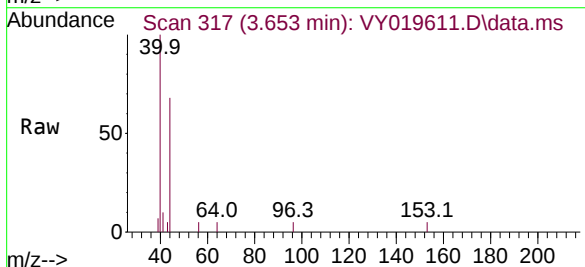
Acq: 18 Sep 2024 17:18

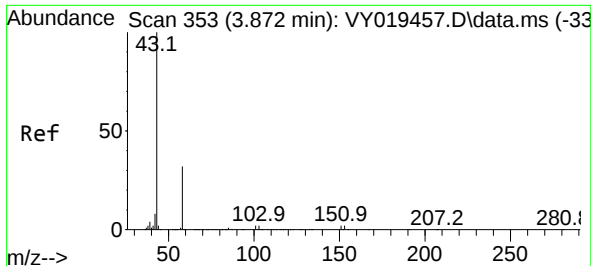
Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 209.1 55.7 83.5#

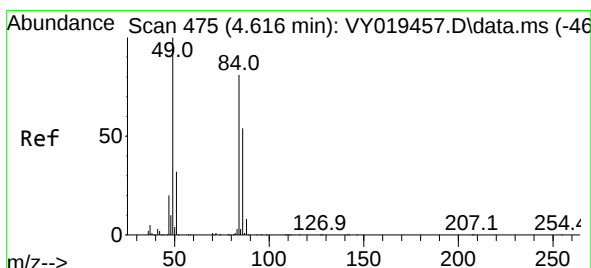
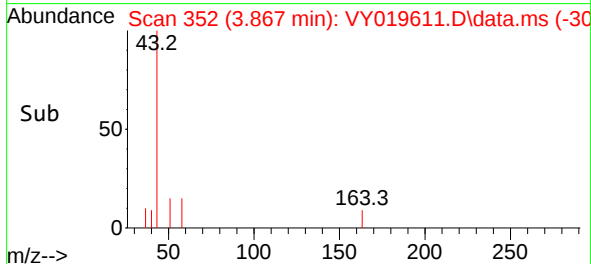
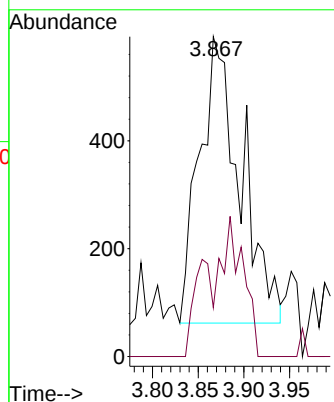
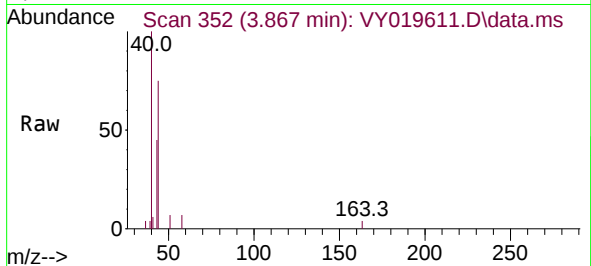




#16
Acetone
Concen: 2.610 ug/l
RT: 3.867 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY019611.D
Acq: 18 Sep 2024 17:18

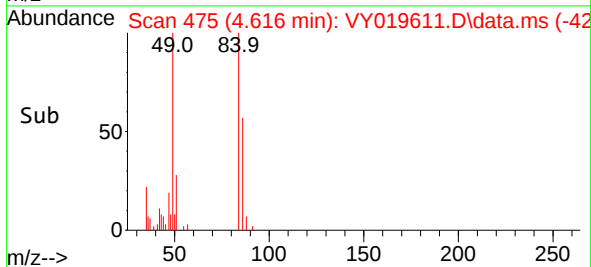
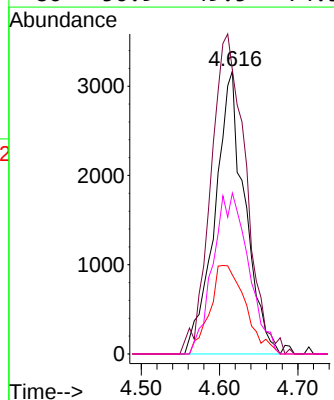
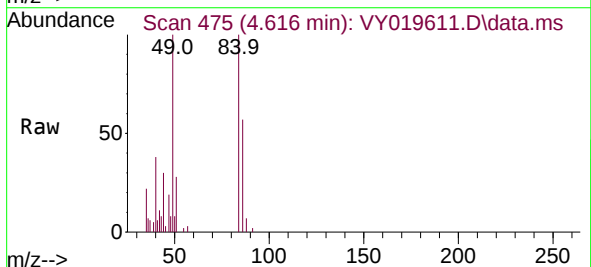
Instrument :
MSVOA_Y
ClientSampleId :

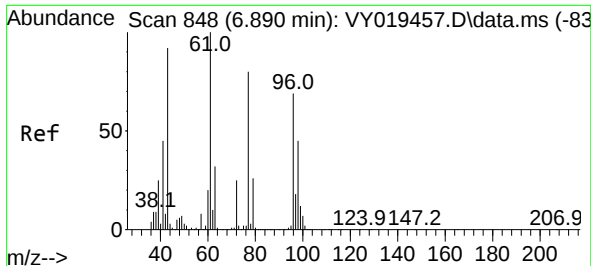
Tgt Ion: 43 Resp: 1666
Ion Ratio Lower Upper
43 100
58 17.1 31.7 47.5#



#20
Methylene Chloride
Concen: 2.895 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY019611.D
Acq: 18 Sep 2024 17:18

Tgt Ion: 84 Resp: 8427
Ion Ratio Lower Upper
84 100
49 100.5 84.4 126.6
51 28.0 26.0 39.0
86 56.9 49.5 74.3





#25

2-Butanone

Concen: 4.028 ug/l

RT: 6.884 min Scan# 84

Delta R.T. -0.006 min

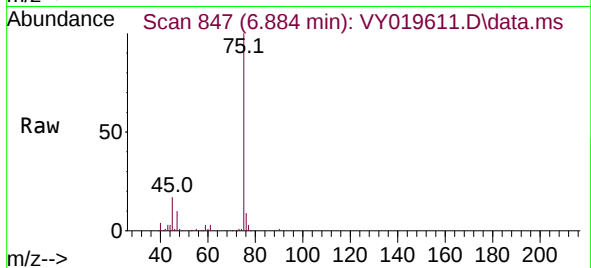
Lab File: VY019611.D

Acq: 18 Sep 2024 17:18

Instrument :

MSVOA_Y

ClientSampleId :

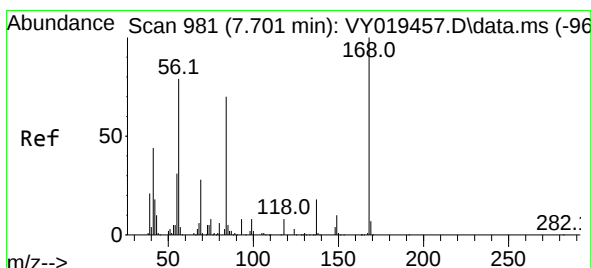
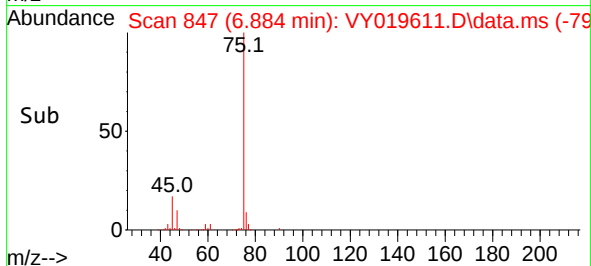
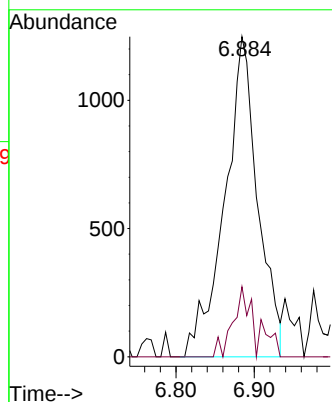


Tgt Ion: 43 Resp: 3657

Ion Ratio Lower Upper

43 100

72 21.9 27.3 40.9#



#31

Cyclohexane

Concen: 1.449 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY019611.D

Acq: 18 Sep 2024 17:18

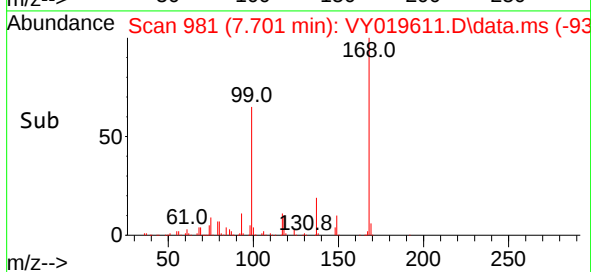
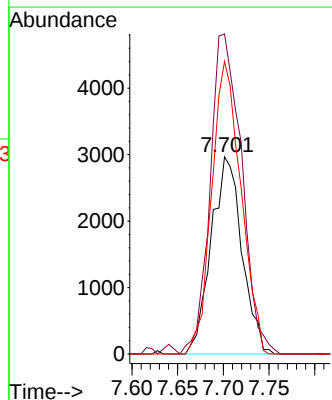
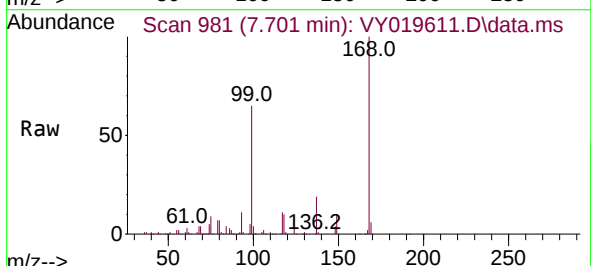
Tgt Ion: 56 Resp: 6951

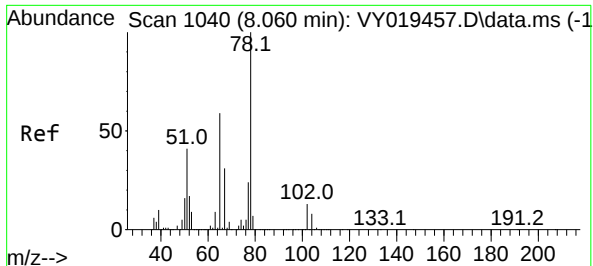
Ion Ratio Lower Upper

56 100

69 162.4 28.7 43.1#

84 148.5 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 66.533 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019611.D

Acq: 18 Sep 2024 17:18

Instrument :

MSVOA_Y

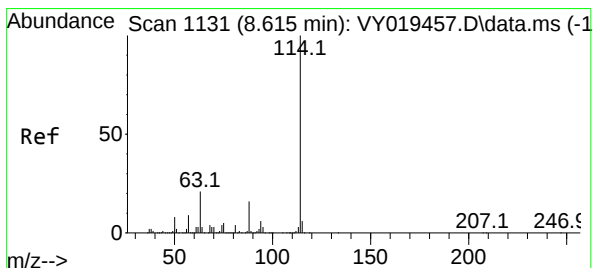
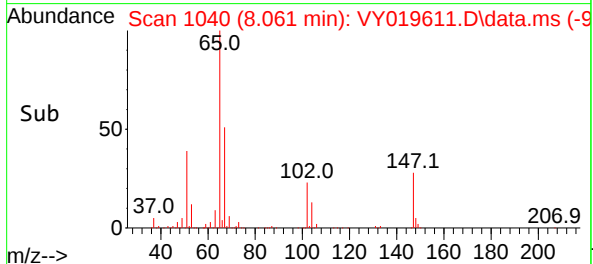
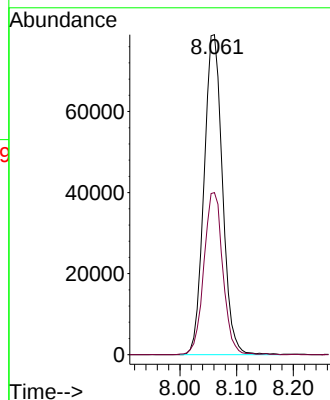
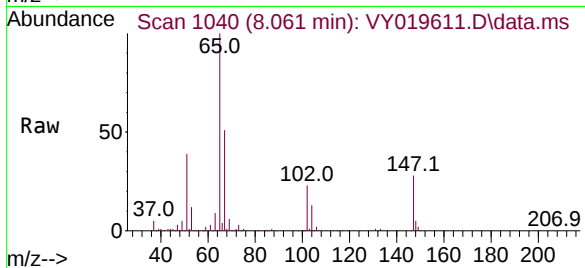
ClientSampleId :

Tgt Ion: 65 Resp: 178280

Ion Ratio Lower Upper

65 100

67 52.1 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: VY019611.D

Acq: 18 Sep 2024 17:18

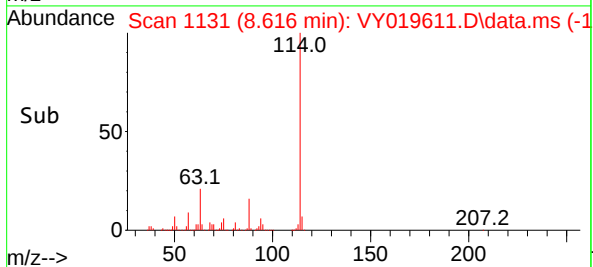
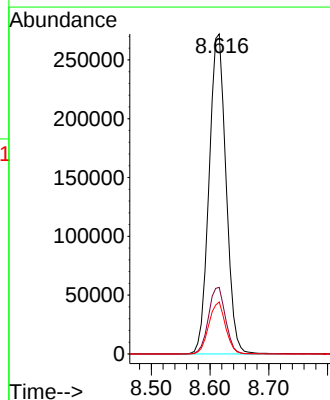
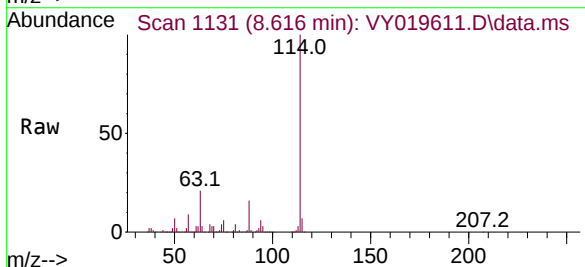
Tgt Ion:114 Resp: 544917

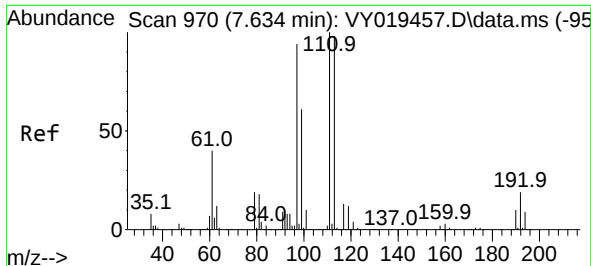
Ion Ratio Lower Upper

114 100

63 20.8 0.0 35.0

88 16.2 0.0 27.2

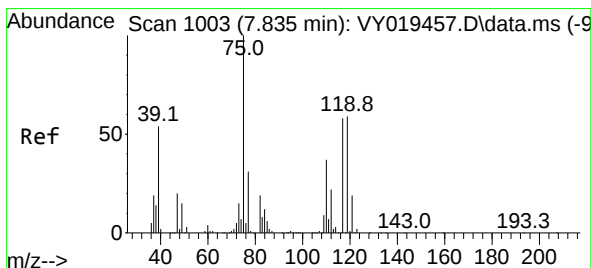
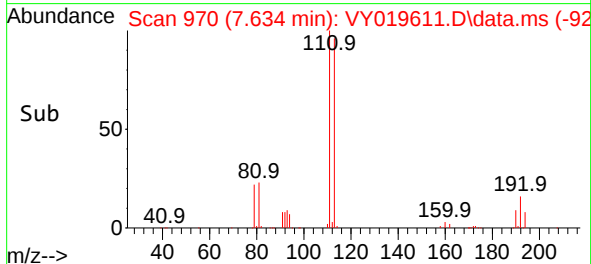
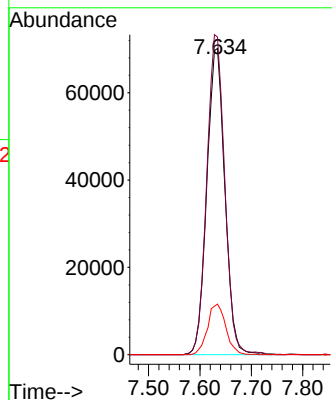
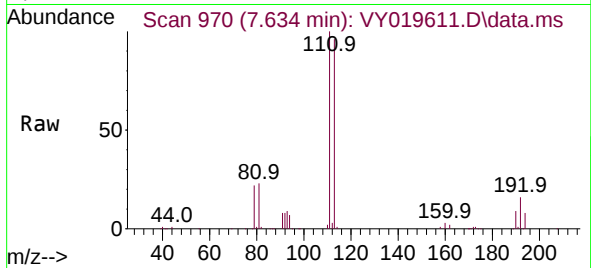




#35
Dibromofluoromethane
Concen: 55.286 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019611.D
Acq: 18 Sep 2024 17:18

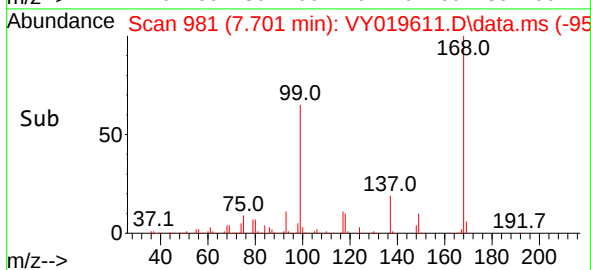
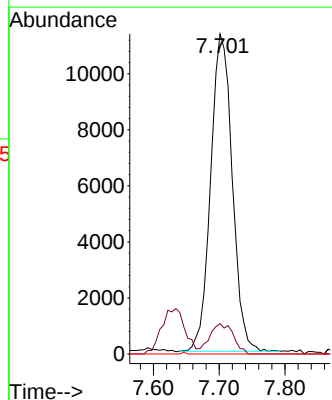
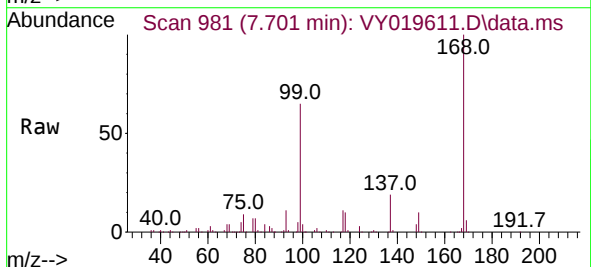
Instrument :
MSVOA_Y
ClientSampleId :

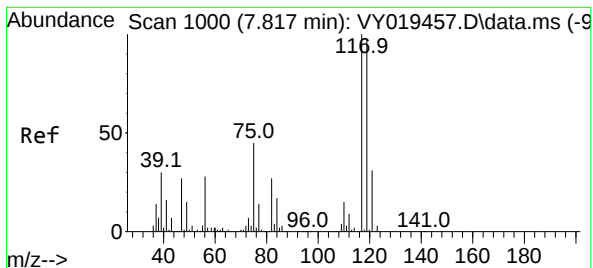
Tgt Ion:113 Resp: 170810
Ion Ratio Lower Upper
113 100
111 104.2 82.2 123.4
192 16.9 15.9 23.9



#36
1,1-Dichloropropene
Concen: 6.150 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY019611.D
Acq: 18 Sep 2024 17:18

Tgt Ion: 75 Resp: 25855
Ion Ratio Lower Upper
75 100
110 10.3 19.0 57.0#
77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.471 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.115 min

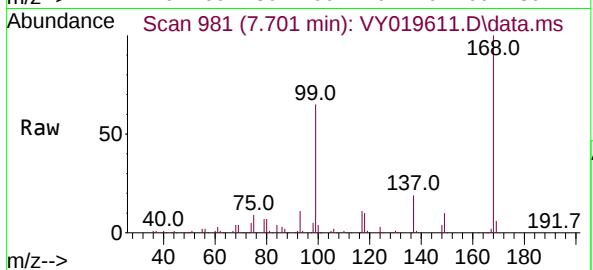
Lab File: VY019611.D

Acq: 18 Sep 2024 17:18

Instrument :

MSVOA_Y

ClientSampleId :



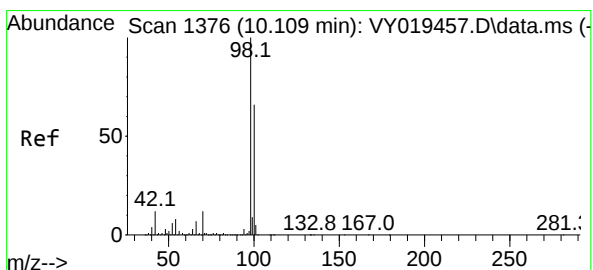
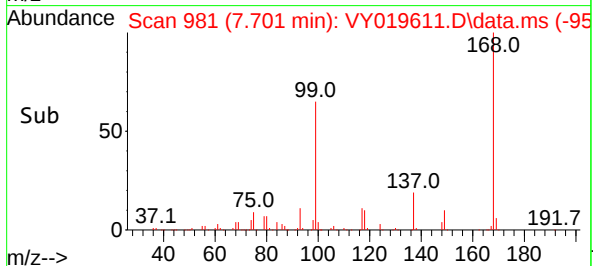
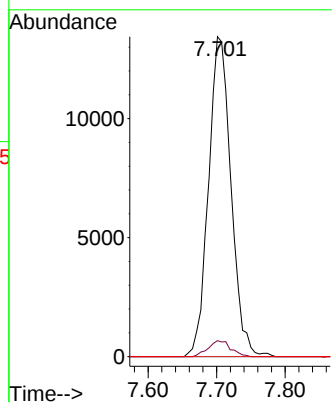
Tgt Ion:117 Resp: 30679

Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.6#

121 0.0 24.0 36.0#



#50

Toluene-d8

Concen: 56.688 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY019611.D

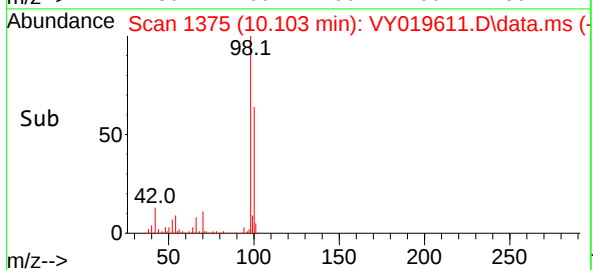
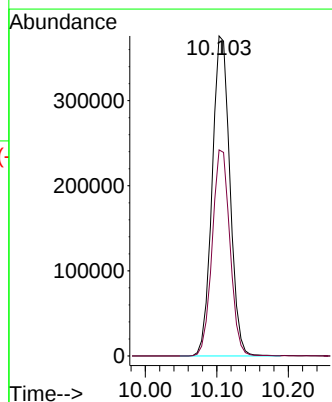
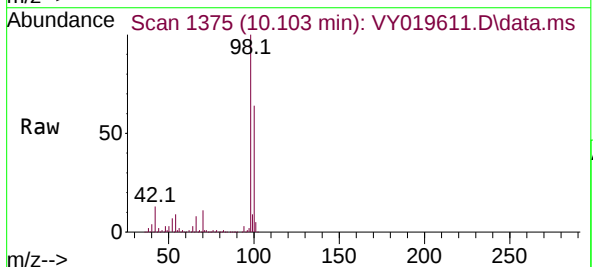
Acq: 18 Sep 2024 17:18

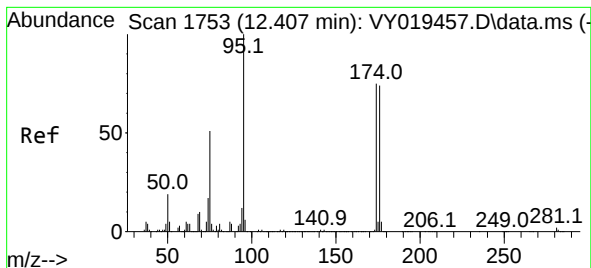
Tgt Ion: 98 Resp: 647812

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0

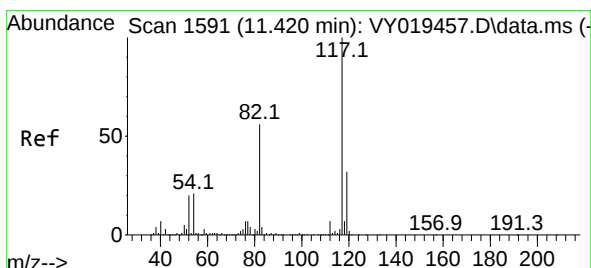
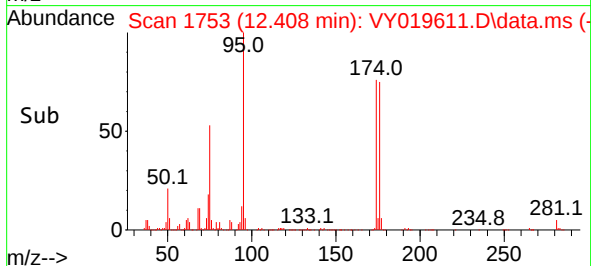
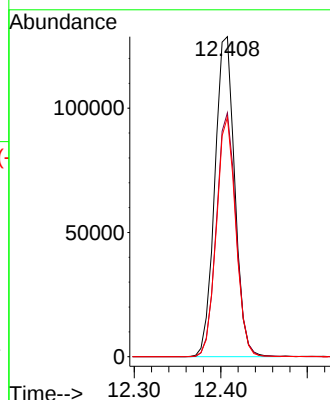
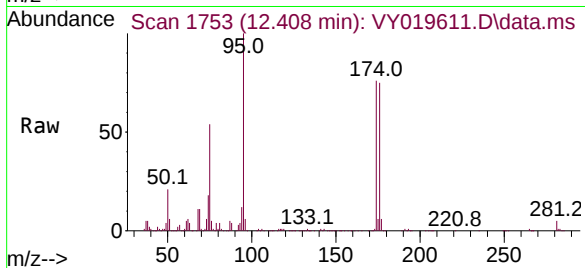




#62
4-Bromofluorobenzene
Concen: 46.809 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019611.D
Acq: 18 Sep 2024 17:18

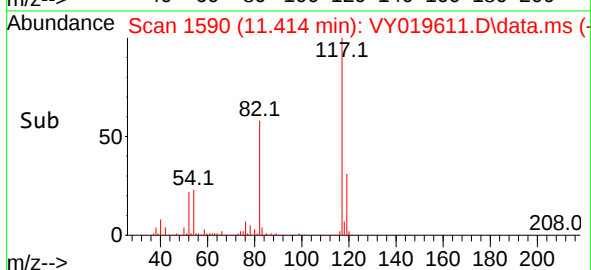
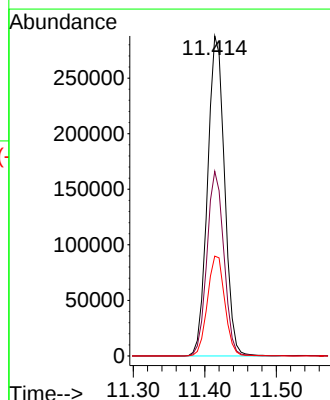
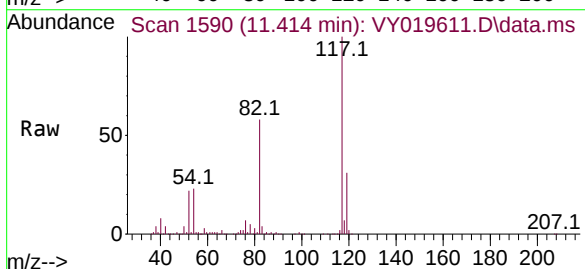
Instrument :
MSVOA_Y
ClientSampleId :

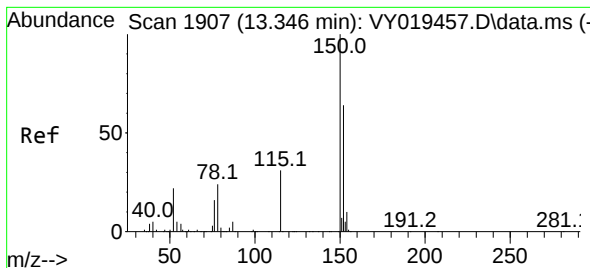
Tgt Ion: 95 Resp: 205681
Ion Ratio Lower Upper
95 100
174 74.8 0.0 175.6
176 72.5 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019611.D
Acq: 18 Sep 2024 17:18

Tgt Ion: 117 Resp: 476003
Ion Ratio Lower Upper
117 100
82 57.7 42.4 63.6
119 31.2 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: VY019611.D

Acq: 18 Sep 2024 17:18

Instrument :

MSVOA_Y

ClientSampleId :

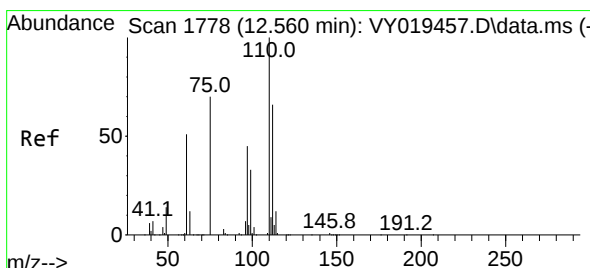
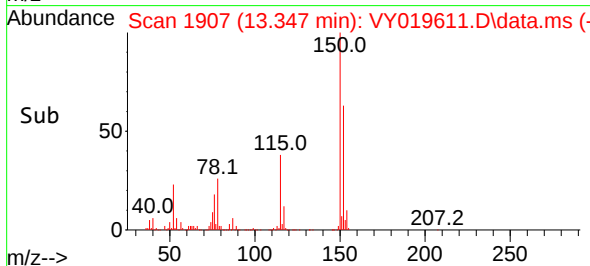
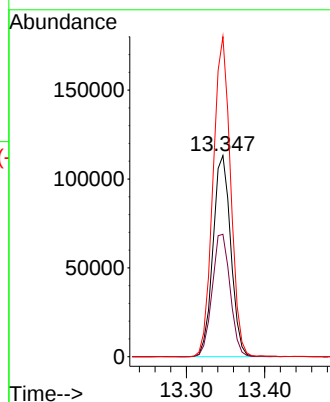
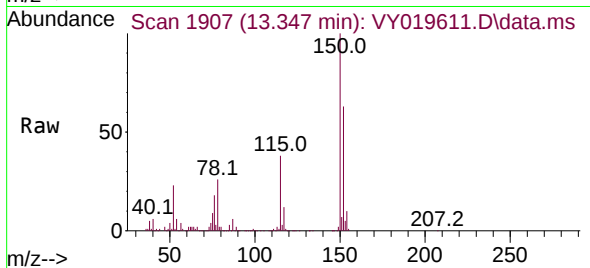
Tgt Ion:152 Resp: 178054

Ion Ratio Lower Upper

152 100

115 61.6 28.2 84.7

150 156.8 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 67.074 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019611.D

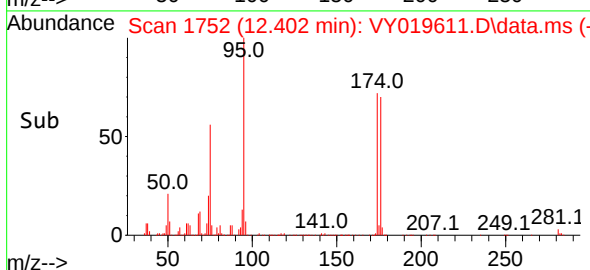
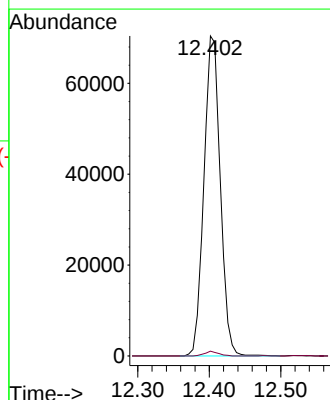
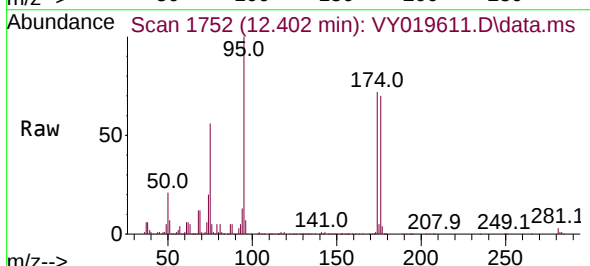
Acq: 18 Sep 2024 17:18

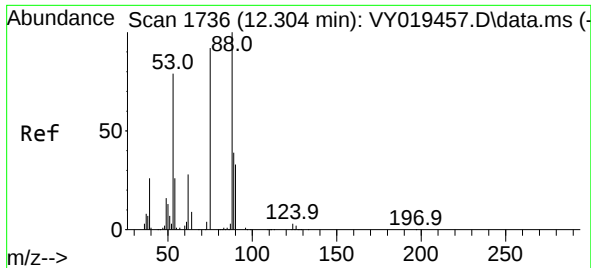
Tgt Ion: 75 Resp: 111938

Ion Ratio Lower Upper

75 100

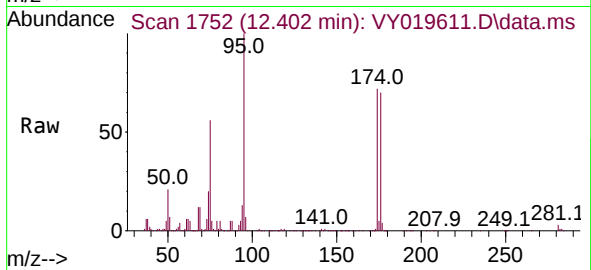
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.762 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY019611.D
 Acq: 18 Sep 2024 17:18

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 111938
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.8 100.2#
 89 0.0 35.8 53.6#

