

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY031220\
 Data File : VY001958.D
 Acq On : 12 Mar 2020 14:14
 Operator : SY/MD
 Sample : L1907-05
 Misc : 6.59G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-9(3-4)

Quant Time: Mar 13 05:41:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	173811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	330180	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	297991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	133229	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	107789	58.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.18%	
35) Dibromofluoromethane	7.74	113	97478	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
50) Toluene-d8	10.19	98	403346	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
62) 4-Bromofluorobenzene	12.49	95	142531	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	

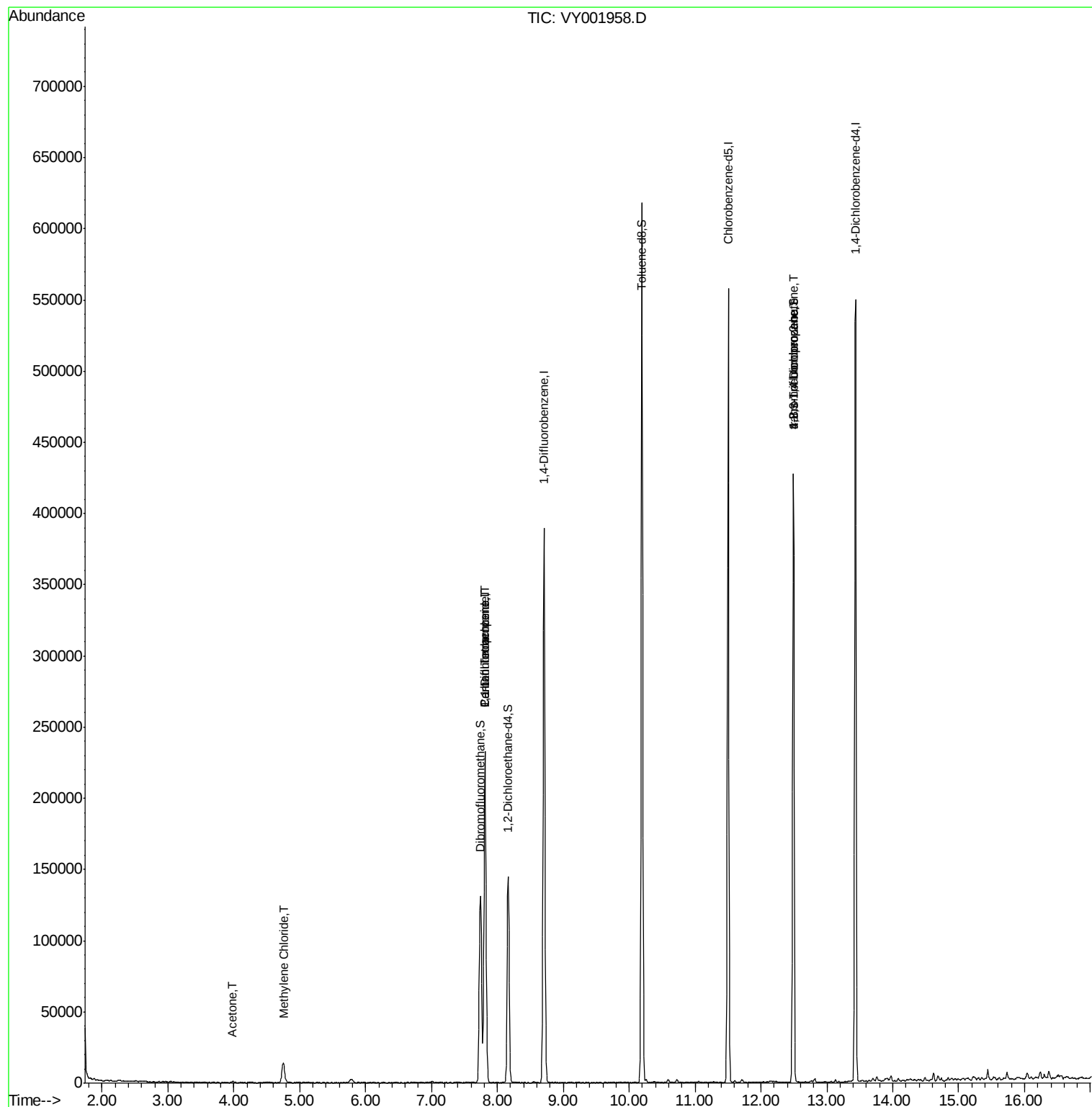
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.69	94	41	Below Cal	#	4
11) Tert butyl alcohol	4.99	59	268	Below Cal	#	74
16) Acetone	3.98	43	1697	3.14	ug/l	95
20) Methylene Chloride	4.75	84	10369	4.48	ug/l	# 91
36) 1,1-Dichloropropene	7.82	75	14497	4.56	ug/l	# 50
38) Carbon Tetrachloride	7.82	117	17843	6.57	ug/l	# 16
76) 1,2,3-Trichloropropane	12.49	75	70893	44.84	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.49	75	70893	90.58	ug/l	# 17

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001958.D

Acq: 12 Mar 2020 14:14

Instrument :

MSVOA_Y

ClientSampleId :

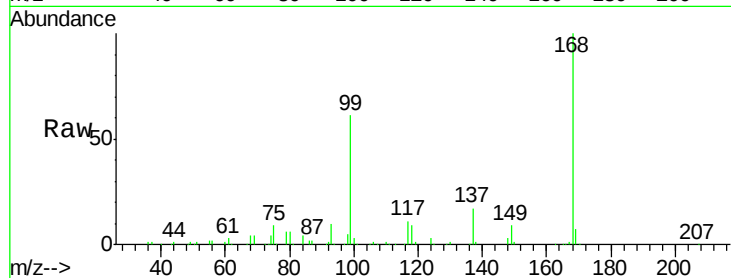
TP-9(3-4)

Tgt Ion:168 Resp: 173811

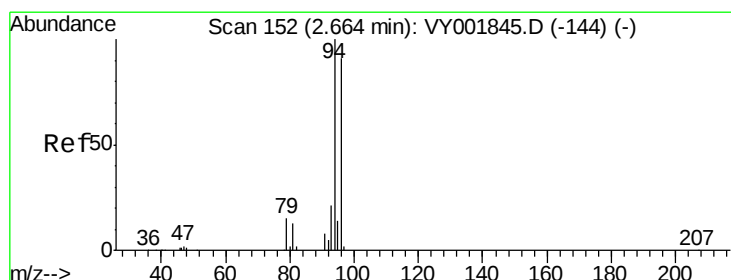
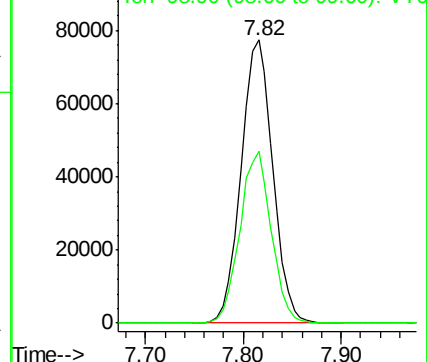
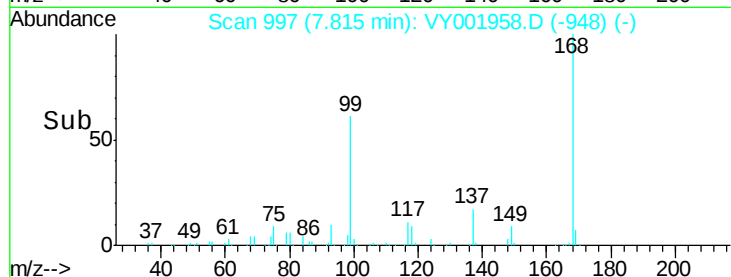
Ion Ratio Lower Upper

168 100

99 61.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001958.D (-948) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.69 min Scan# 156

Delta R.T. 0.03 min

Lab File: VY001958.D

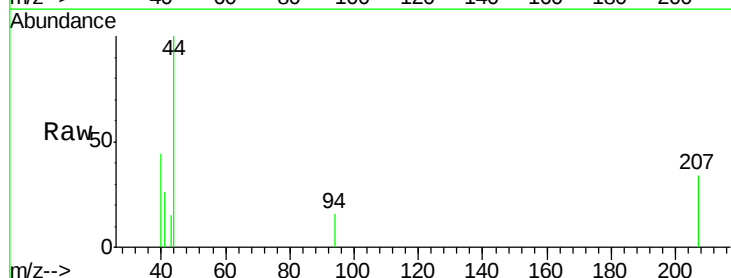
Acq: 12 Mar 2020 14:14

Tgt Ion: 94 Resp: 41

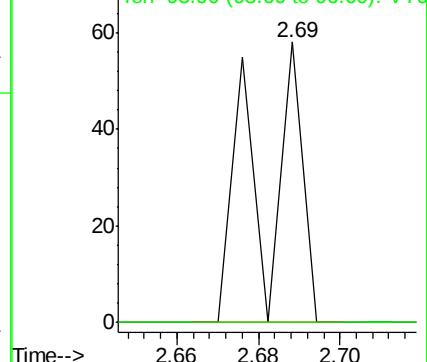
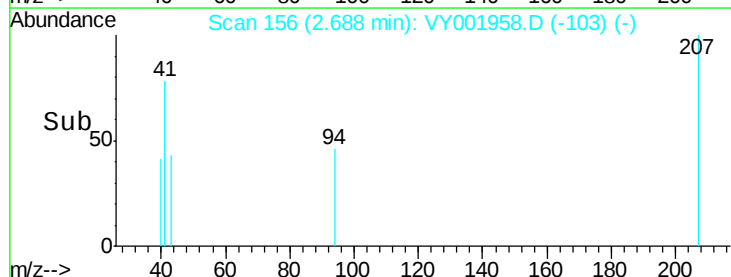
Ion Ratio Lower Upper

94 100

96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001958.D (-103) (-)



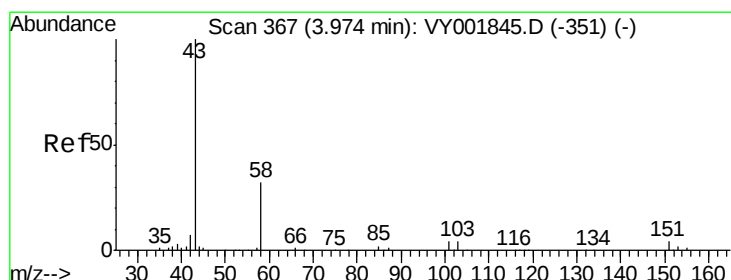
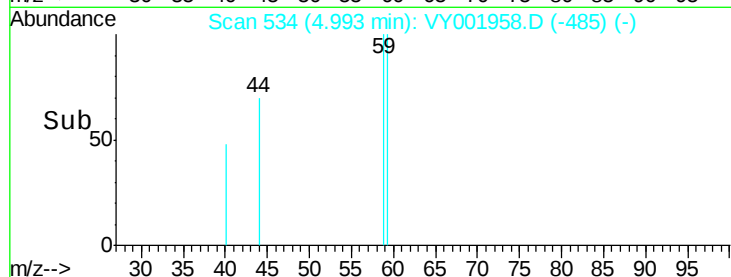
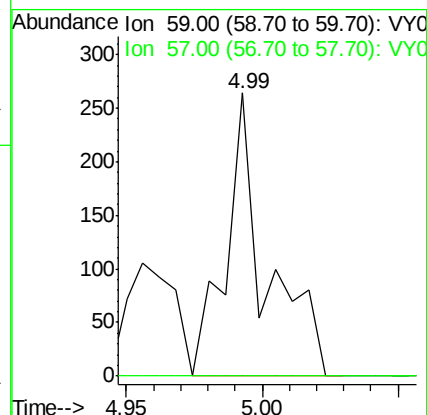
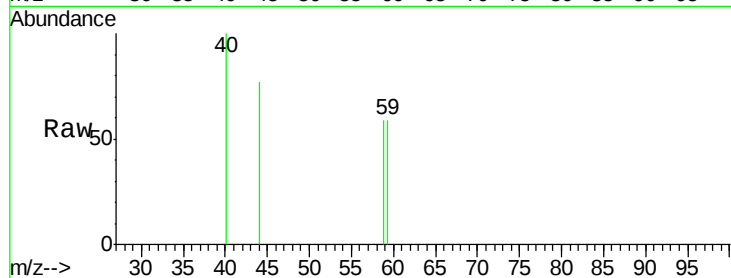


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.99 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VY001958.D
 Acq: 12 Mar 2020 14:14

Instrument :
 MSVOA_Y
 ClientSampled :
 TP-9(3-4)

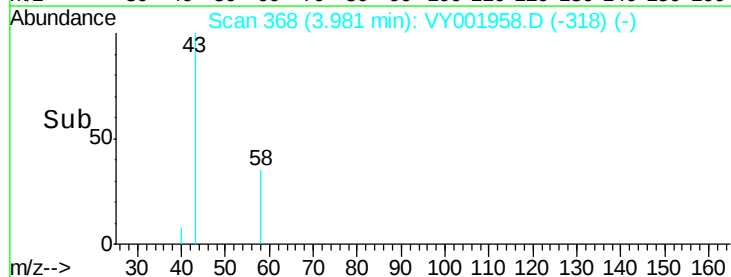
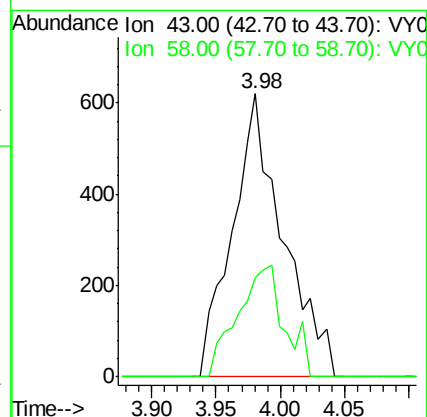
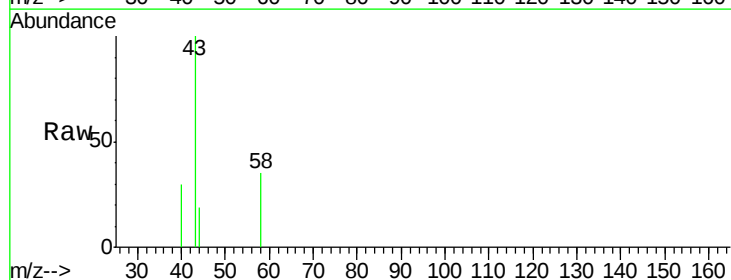
Tgt Ion: 59 Resp: 268
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

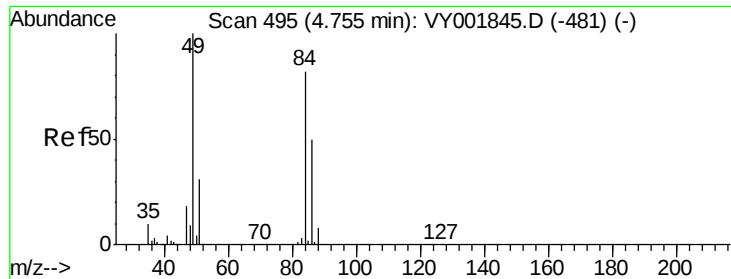


#16

Acetone
 Concen: 3.14 ug/l
 RT: 3.98 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VY001958.D
 Acq: 12 Mar 2020 14:14

Tgt Ion: 43 Resp: 1697
 Ion Ratio Lower Upper
 43 100
 58 35.2 25.9 38.9

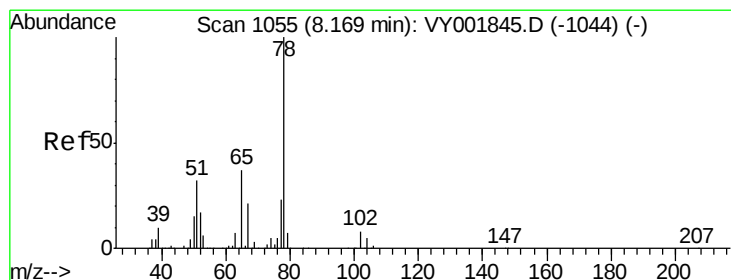
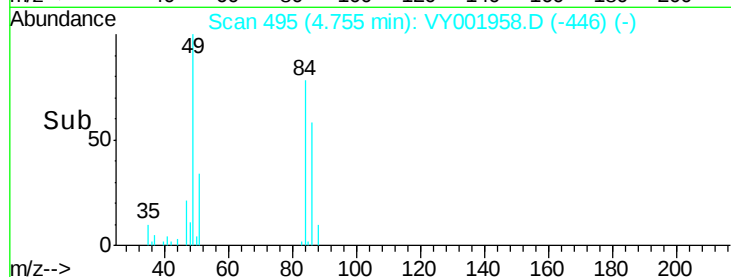
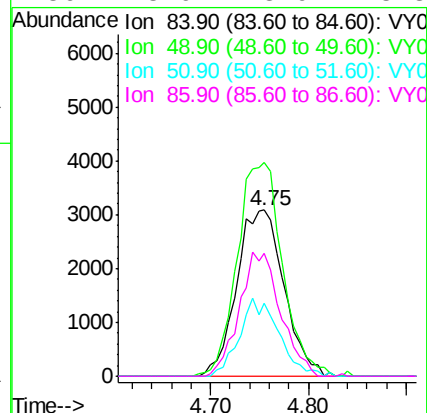
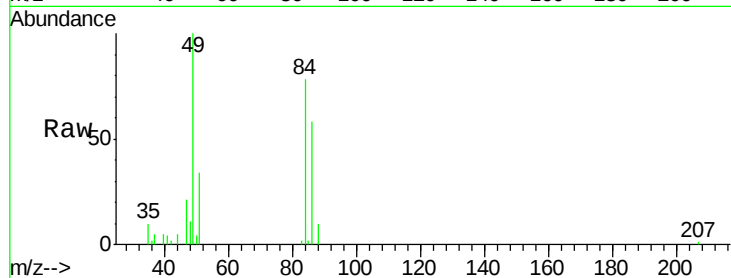




#20
Methylene Chloride
Concen: 4.48 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.00 min
Lab File: VY001958.D
Acq: 12 Mar 2020 14:14

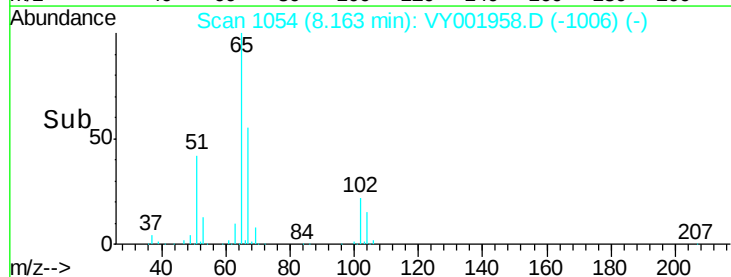
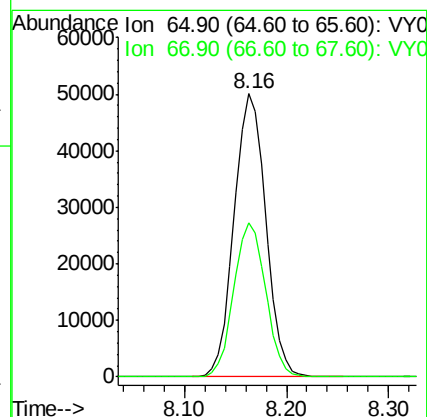
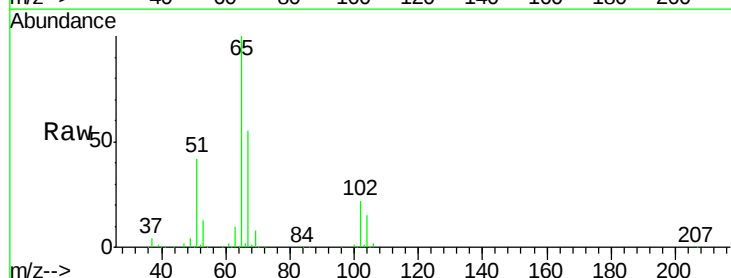
Instrument :
MSVOA_Y
ClientSampled :
TP-9(3-4)

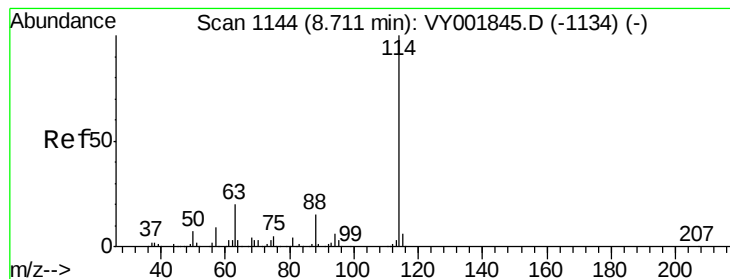
Tgt Ion: 84 Resp: 10369
Ion Ratio Lower Upper
84 100
49 128.6 98.2 147.2
51 43.9 30.2 45.2
86 73.9 48.9 73.3#



#33
1,2-Dichloroethane-d4
Concen: 58.09 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY001958.D
Acq: 12 Mar 2020 14:14

Tgt Ion: 65 Resp: 107789
Ion Ratio Lower Upper
65 100
67 54.7 0.0 110.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY001958.D

Acq: 12 Mar 2020 14:14

Instrument :

MSVOA_Y

ClientSampleId :

TP-9(3-4)

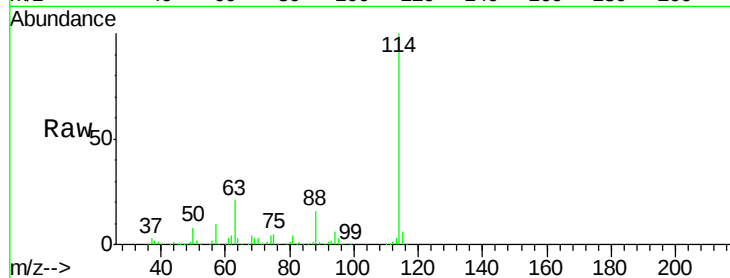
Tgt Ion:114 Resp: 330180

Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.4

88 16.2 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

200000

150000

100000

50000

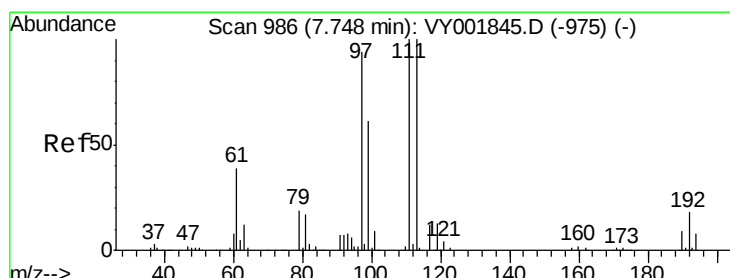
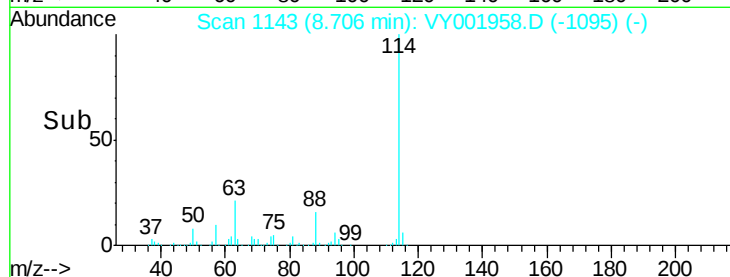
0

8.60

8.70

8.80

Time-->



#35

Dibromofluoromethane

Concen: 54.07 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001958.D

Acq: 12 Mar 2020 14:14

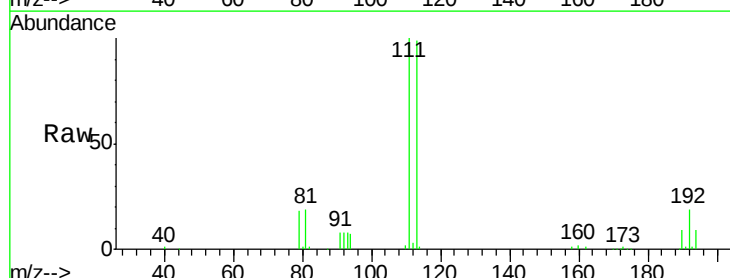
Tgt Ion:113 Resp: 97478

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.8

192 17.9 14.2 21.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

50000

40000

30000

20000

10000

0

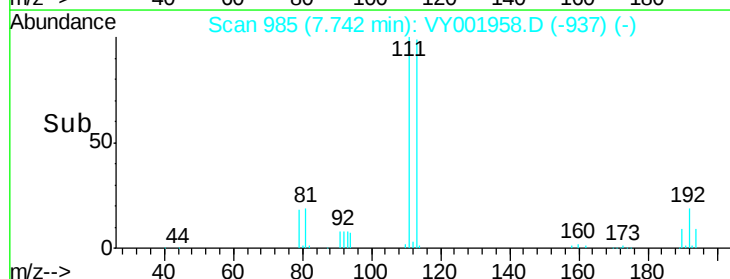
7.60

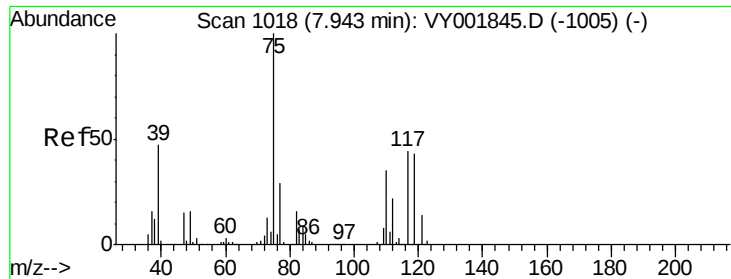
7.70

7.80

7.90

Time-->

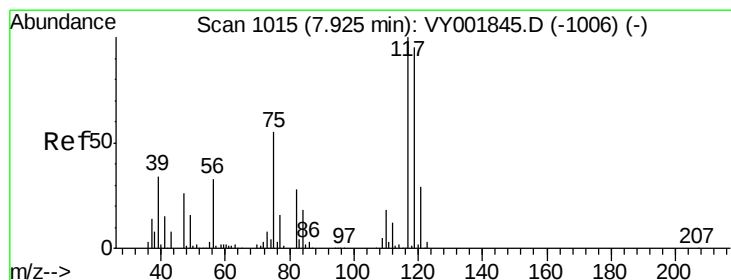
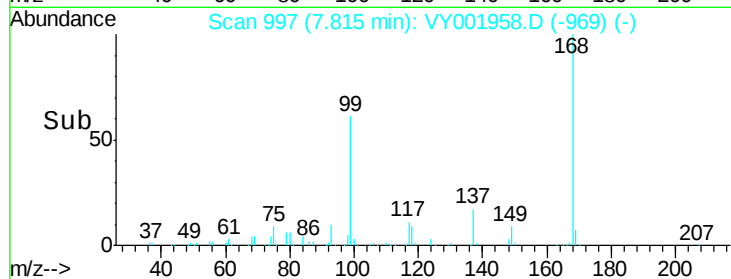
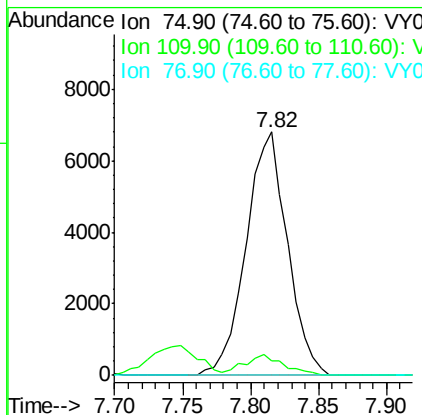
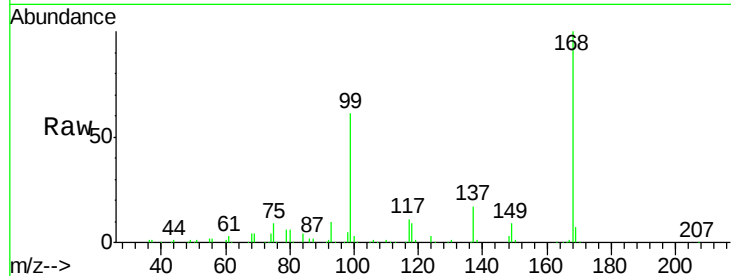




#36
 1,1-Dichloropropene
 Concen: 4.56 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001958.D
 Acq: 12 Mar 2020 14:14

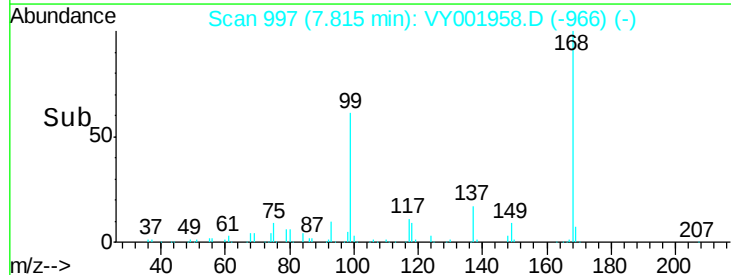
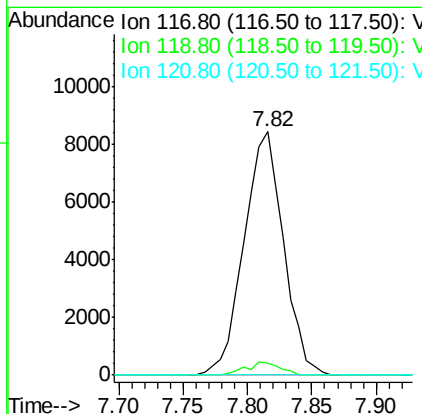
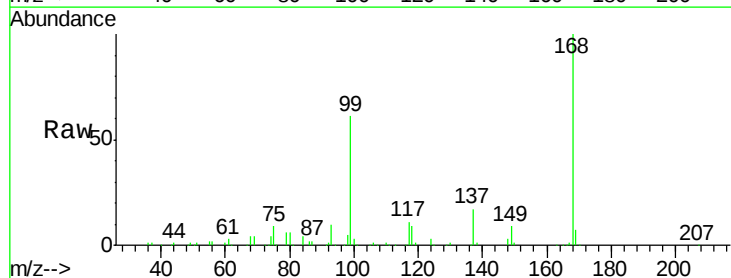
Instrument :
 MSVOA_Y
 ClientSampled :
 TP-9(3-4)

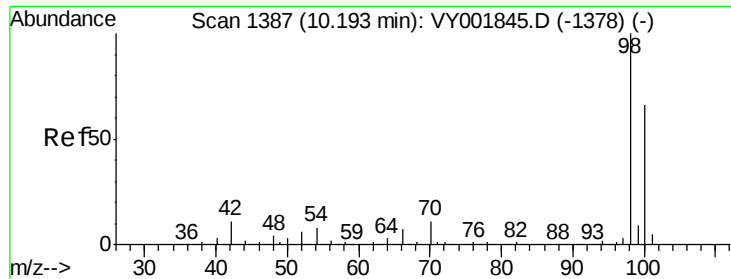
Tgt Ion: 75 Resp: 14497
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.4 52.2#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.57 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001958.D
 Acq: 12 Mar 2020 14:14

Tgt Ion: 117 Resp: 17843
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.3 114.5#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 53.05 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001958.D

Acq: 12 Mar 2020 14:14

Instrument :

MSVOA_Y

ClientSampleId :

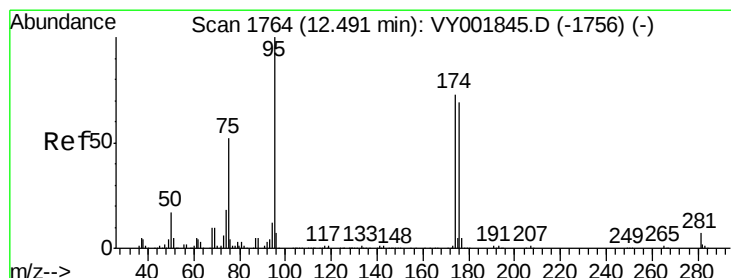
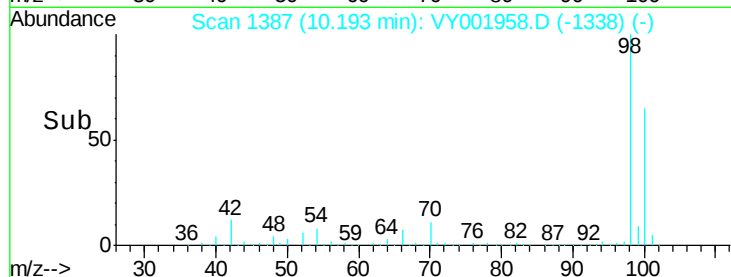
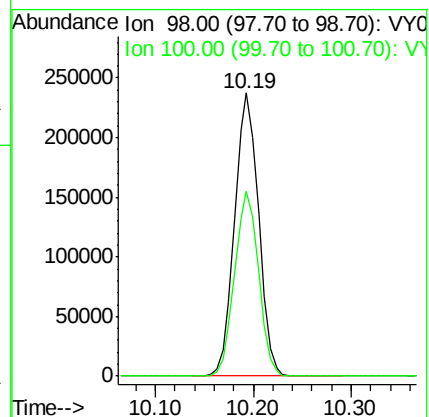
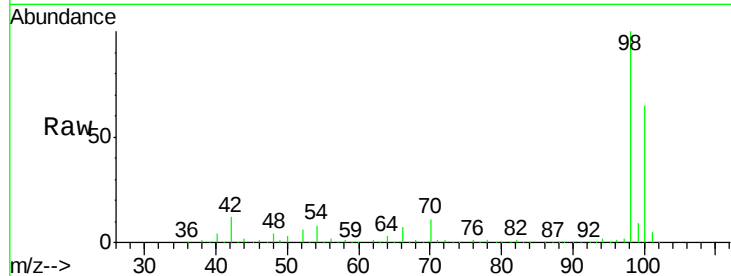
TP-9(3-4)

Tgt Ion: 98 Resp: 403346

Ion Ratio Lower Upper

98 100

100 65.1 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 53.92 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001958.D

Acq: 12 Mar 2020 14:14

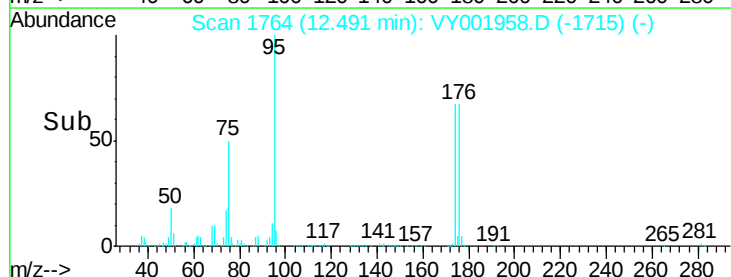
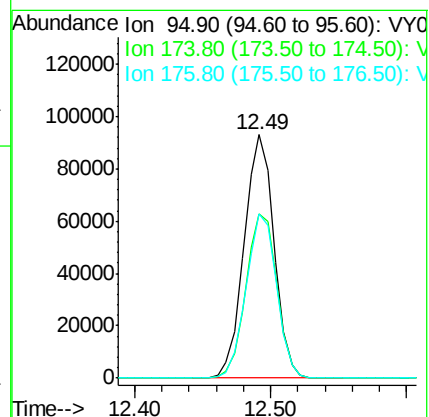
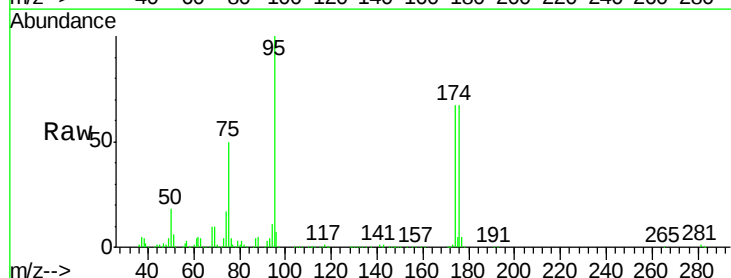
Tgt Ion: 95 Resp: 142531

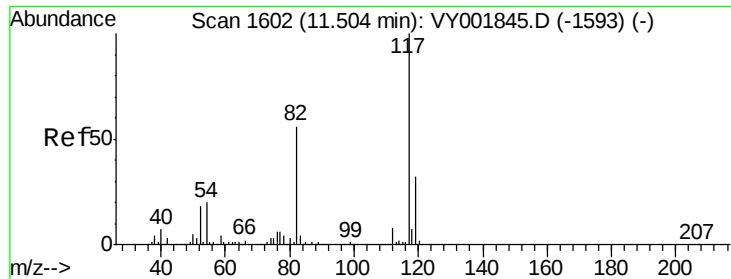
Ion Ratio Lower Upper

95 100

174 70.4 0.0 145.0

176 69.1 0.0 137.4

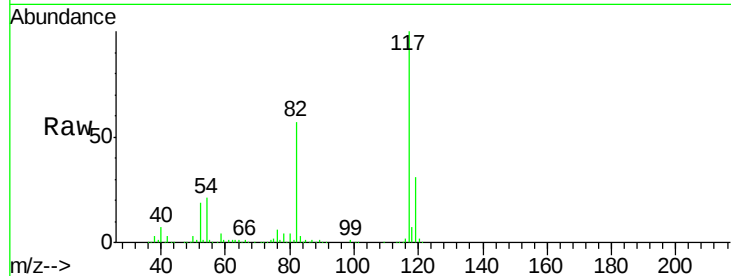




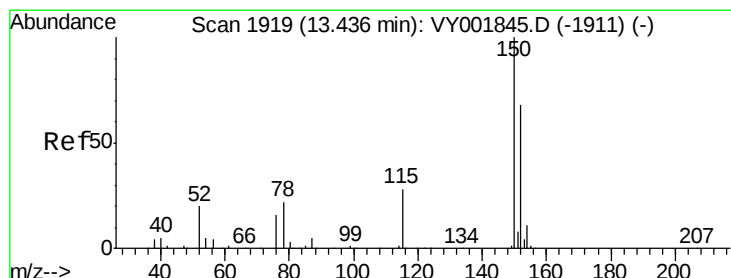
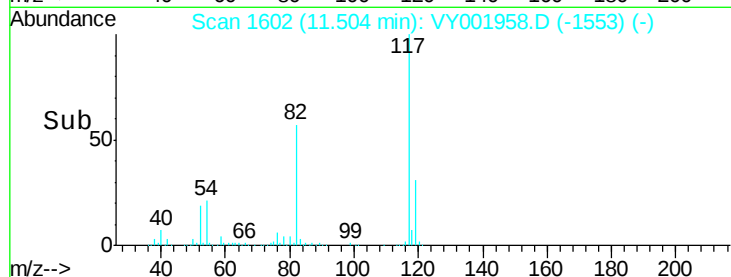
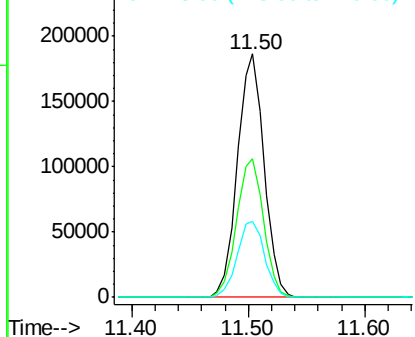
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001958.D
Acq: 12 Mar 2020 14:14

Instrument :
MSVOA_Y
ClientSampleId :
TP-9(3-4)

Tgt Ion:117 Resp: 297991
Ion Ratio Lower Upper
117 100
82 56.7 44.5 66.7
119 31.0 25.7 38.5

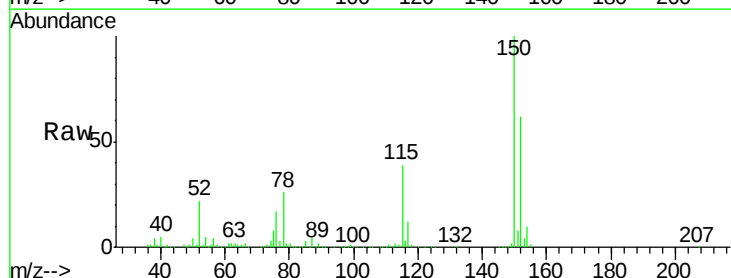


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

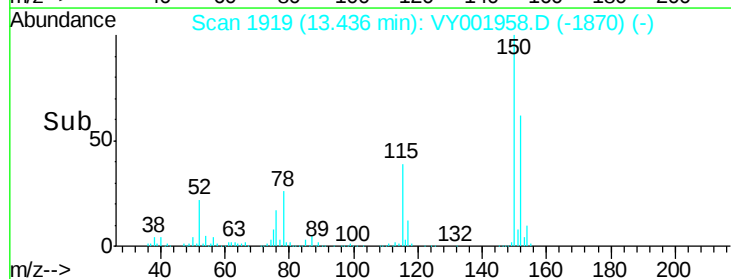
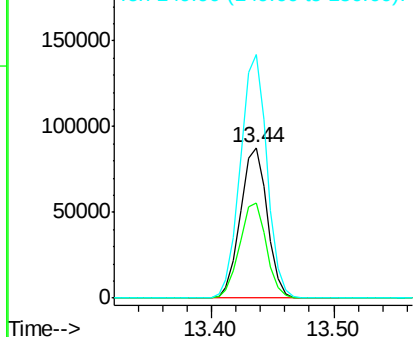


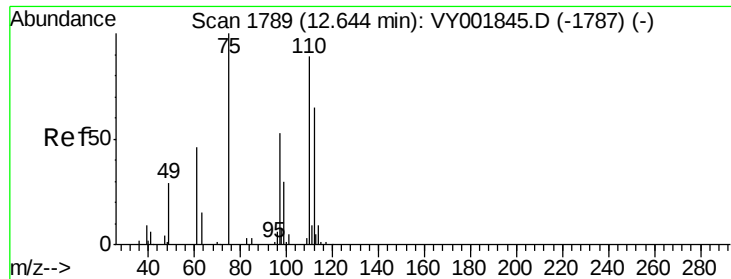
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY001958.D
Acq: 12 Mar 2020 14:14

Tgt Ion:152 Resp: 133229
Ion Ratio Lower Upper
152 100
115 62.7 29.9 89.7
150 160.2 0.0 340.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 44.84 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001958.D

Acq: 12 Mar 2020 14:14

Instrument :

MSVOA_Y

ClientSampleId :

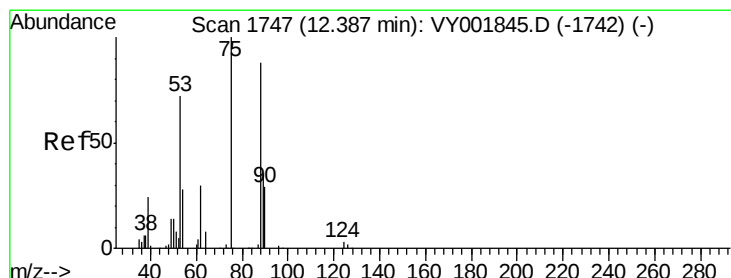
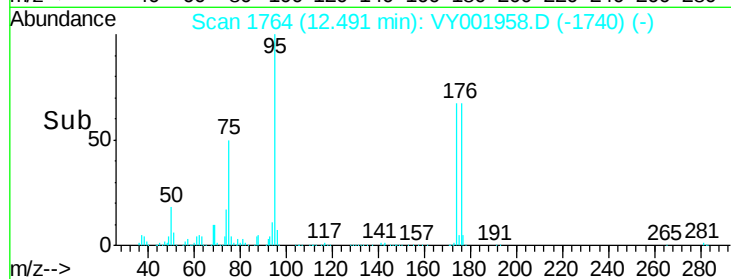
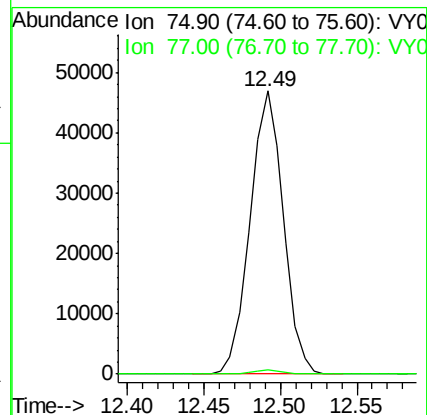
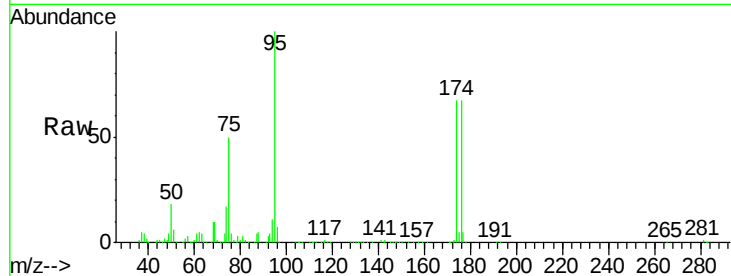
TP-9(3-4)

Tgt Ion: 75 Resp: 70893

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.58 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001958.D

Acq: 12 Mar 2020 14:14

Tgt Ion: 75 Resp: 70893

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.1 36.0 54.0#

