

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
 Data File : VY001558.D
 Acq On : 07 Feb 2020 16:47
 Operator : SY/MD
 Sample : L1393-04RE
 Misc : 5.29G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 08 01:27:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	176732	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	315029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	262127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	91812	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	100941	56.73	ug/l	0.00
Spiked Amount			Recovery	=	113.46%	
35) Dibromofluoromethane	7.75	113	87675	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
50) Toluene-d8	10.19	98	371095	53.99	ug/l	0.00
Spiked Amount			Recovery	=	107.98%	
62) 4-Bromofluorobenzene	12.49	95	110381	40.77	ug/l	0.00
Spiked Amount			Recovery	=	81.54%	

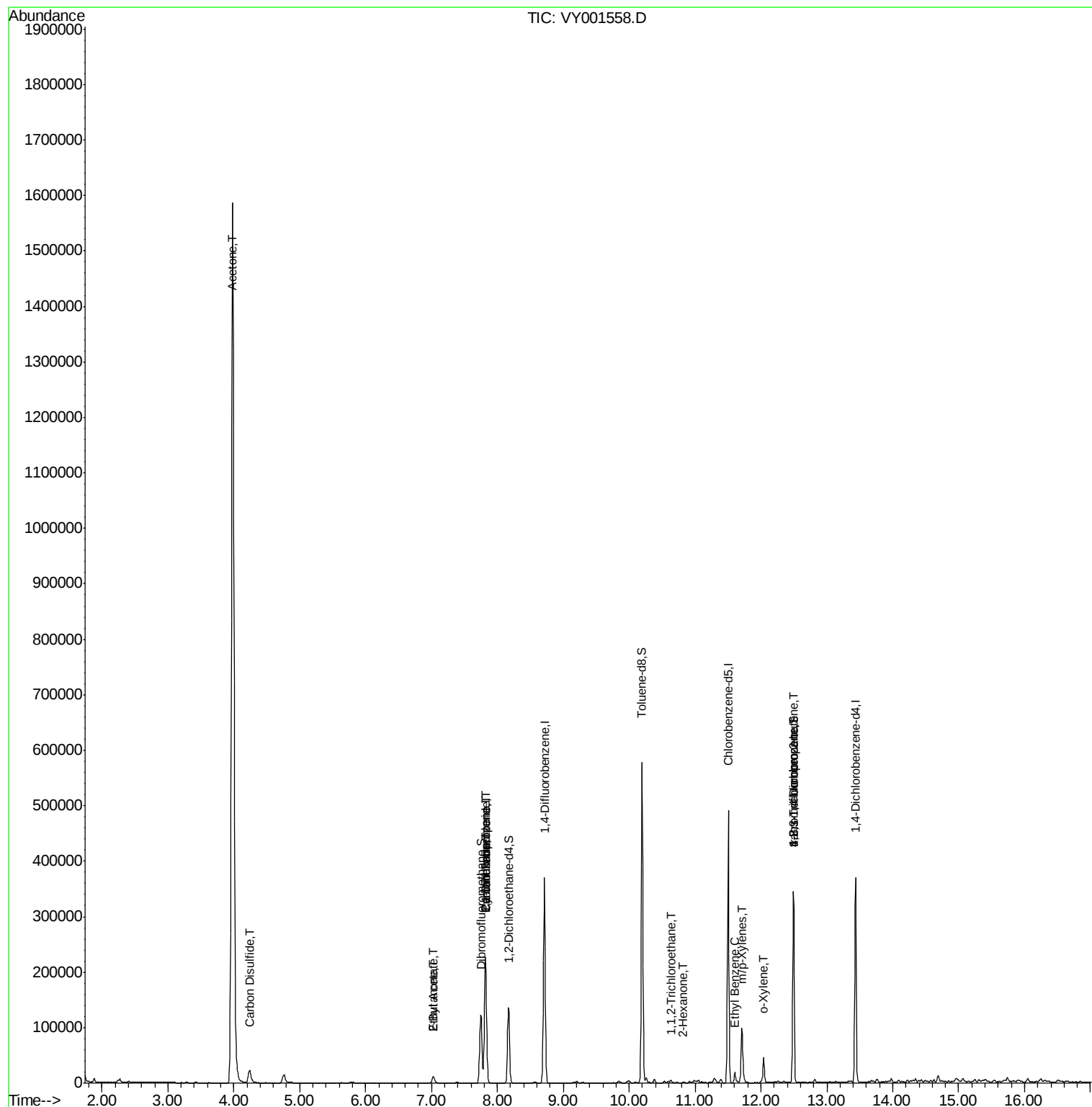
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.01	59	141	Below Cal	#	76
16) Acetone	3.98	43	2771549	5384.566	ug/l	97
17) Carbon Disulfide	4.23	76	21374	3.613	ug/l	97
25) 2-Butanone	7.03	43	19838	29.708	ug/l	92
31) Cyclohexane	7.82	56	4042	1.167	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	14319	4.969	ug/l #	48
37) Ethyl Acetate	7.03	43	19838	14.220	ug/l #	66
38) Carbon Tetrachloride	7.82	117	17732	6.360	ug/l #	16
55) 1,1,2-Trichloroethane	10.63	97	2160	1.351	ug/l #	21
59) 2-Hexanone	10.82	43	1414	1.430	ug/l #	22
67) Ethyl Benzene	11.61	91	13764	1.446	ug/l	92
68) m/p-Xylenes	11.71	106	28091	7.863	ug/l	99
69) o-Xylene	12.04	106	11567	3.434	ug/l	96
76) 1,2,3-Trichloropropane	12.49	75	56012	56.730	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	56012	109.769	ug/l #	16

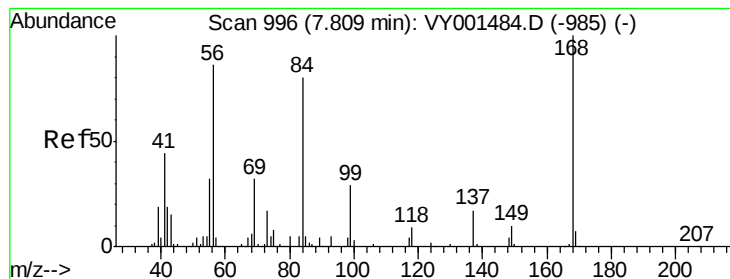
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001558.D

Acq: 07 Feb 2020 16:47

Instrument :

MSVOA_Y

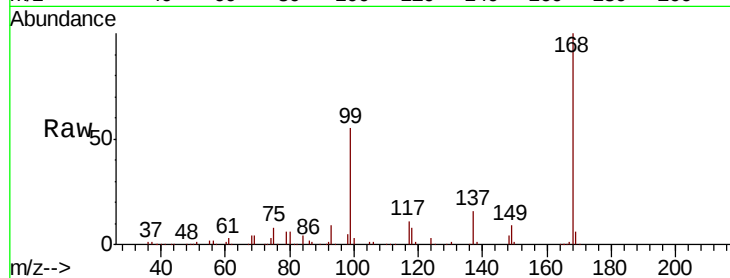
ClientSampled :

Tot Ion:168 Resp: 176732

Ion Ratio Lower Upper

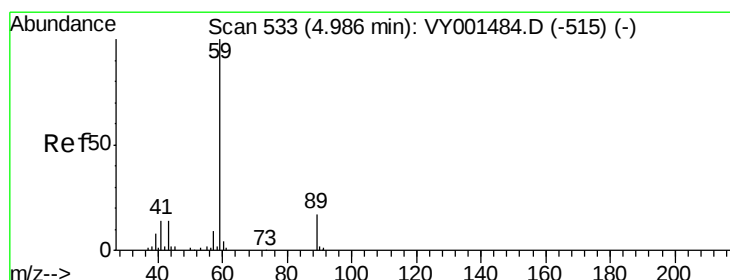
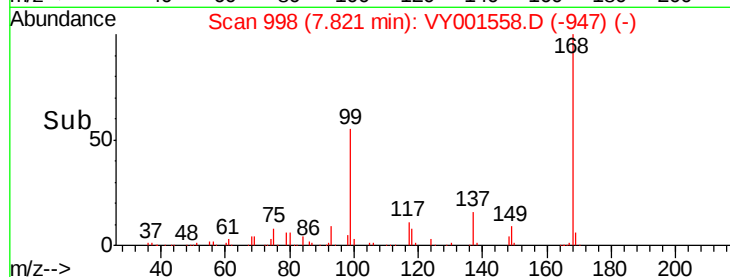
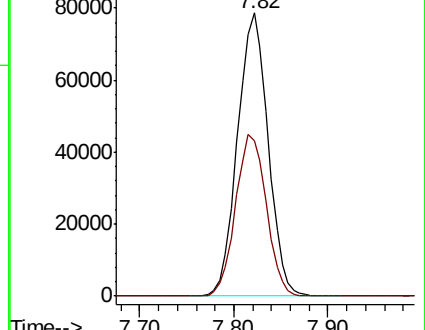
168 100

99 55.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001558.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001558.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.01 min Scan# 537

Delta R.T. 0.02 min

Lab File: VY001558.D

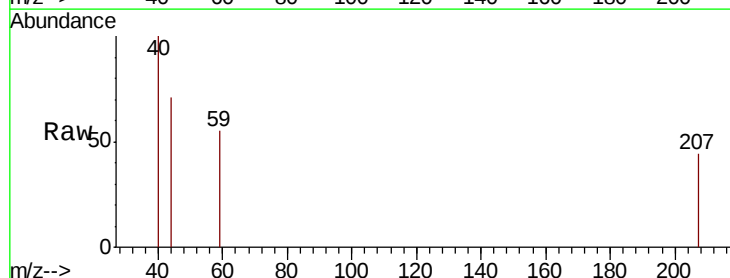
Acq: 07 Feb 2020 16:47

Tgt Ion: 59 Resp: 141

Ion Ratio Lower Upper

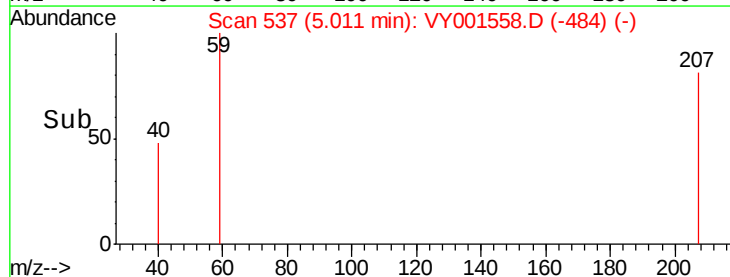
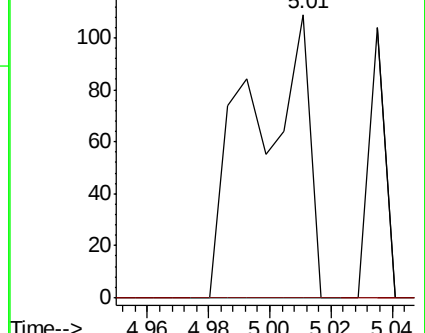
59 100

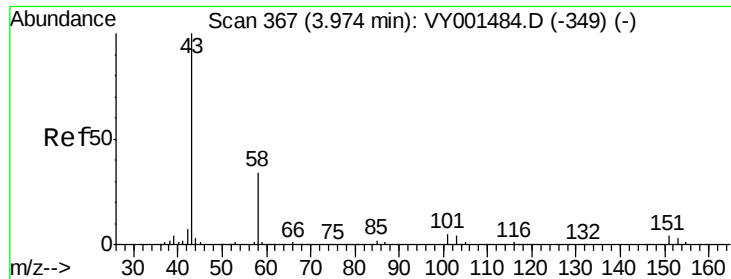
57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001558.D (-484) (-)

Ion 57.00 (56.70 to 57.70): VY001558.D (-484) (-)





#16

Acetone

Concen: 5384.566 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001558.D

Acq: 07 Feb 2020 16:47

Instrument :

MSVOA_Y

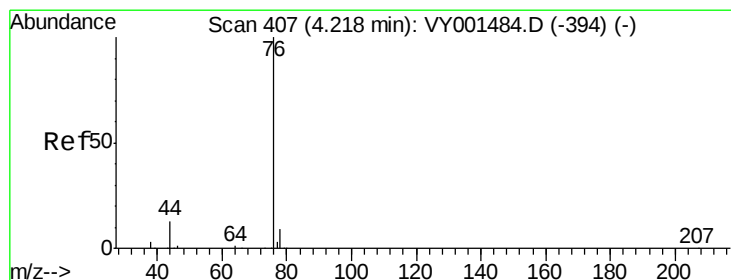
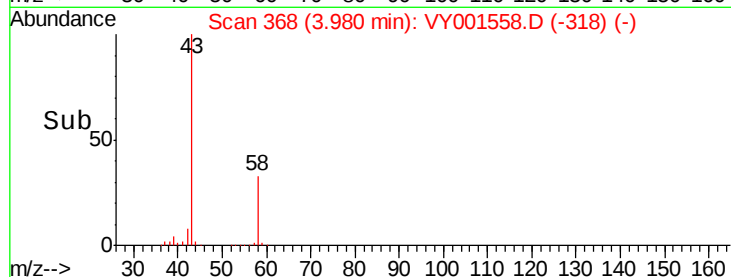
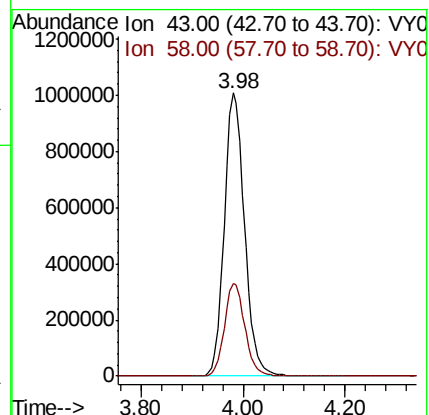
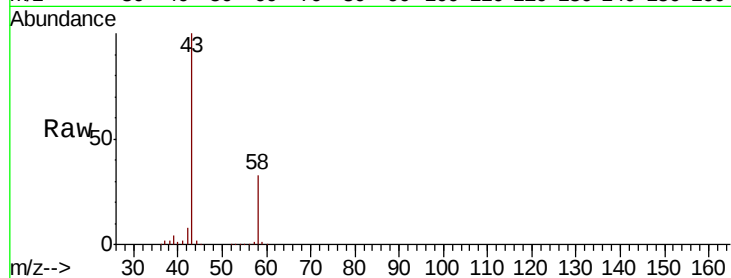
ClientSampleId :

Tot Ion: 43 Resp: 2771549

Ion Ratio Lower Upper

43 100

58 32.8 27.5 41.3



#17

Carbon Disulfide

Concen: 3.613 ug/l

RT: 4.23 min Scan# 409

Delta R.T. 0.01 min

Lab File: VY001558.D

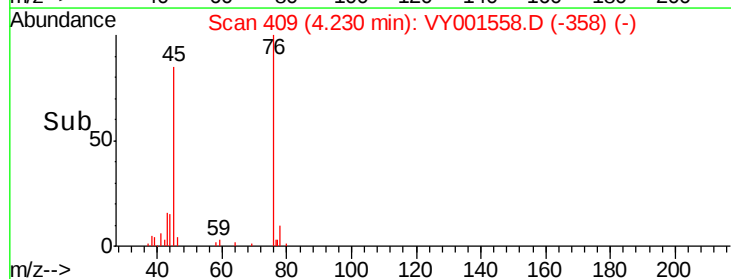
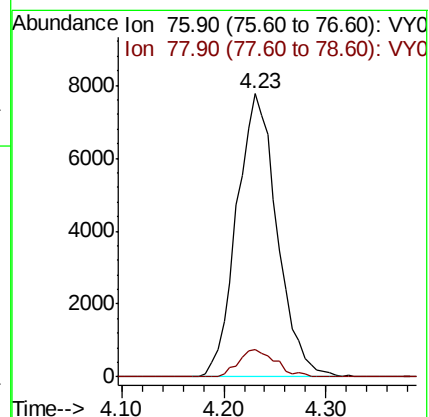
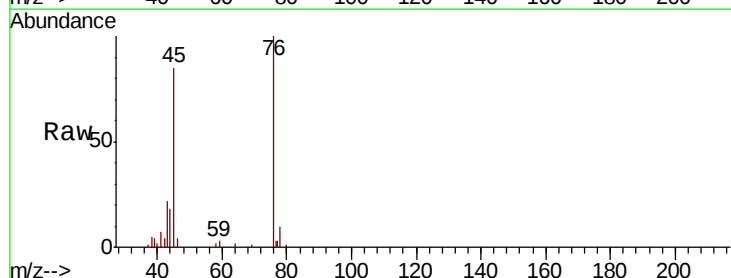
Acq: 07 Feb 2020 16:47

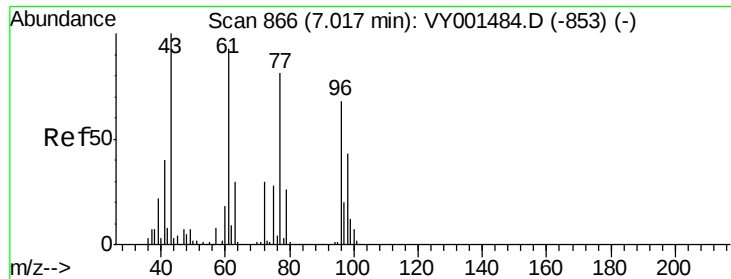
Tgt Ion: 76 Resp: 21374

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.6





#25

2-Butanone

Concen: 29.708 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.01 min

Lab File: VY001558.D

Acq: 07 Feb 2020 16:47

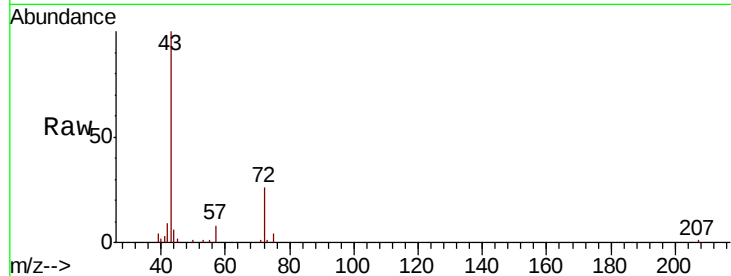
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 19838

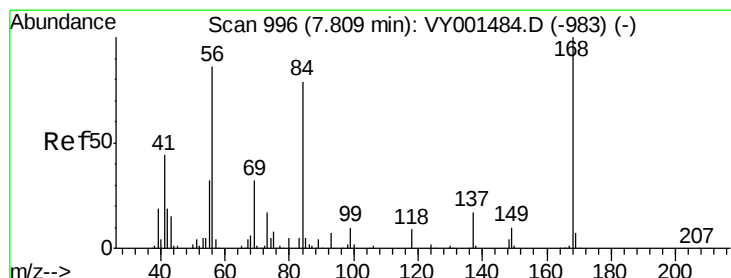
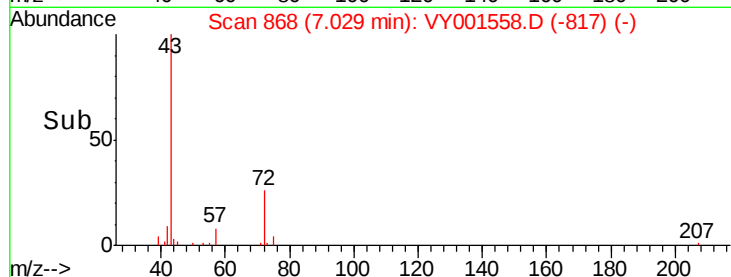
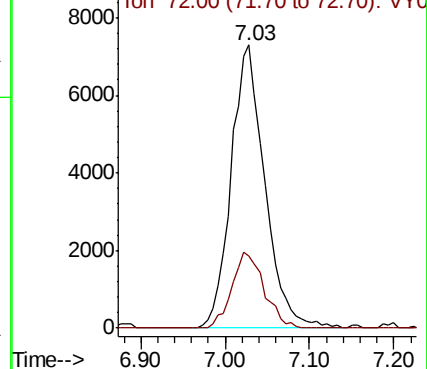
Ion Ratio Lower Upper

43 100

72 25.7 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 1.167 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001558.D

Acq: 07 Feb 2020 16:47

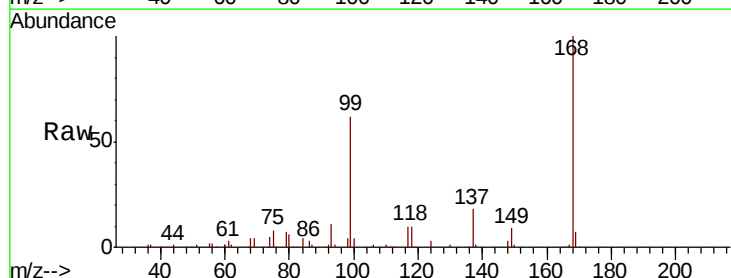
Tgt Ion: 56 Resp: 4042

Ion Ratio Lower Upper

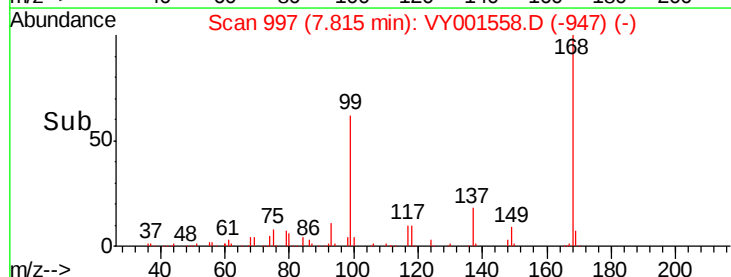
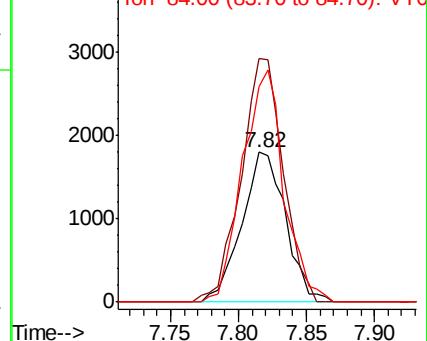
56 100

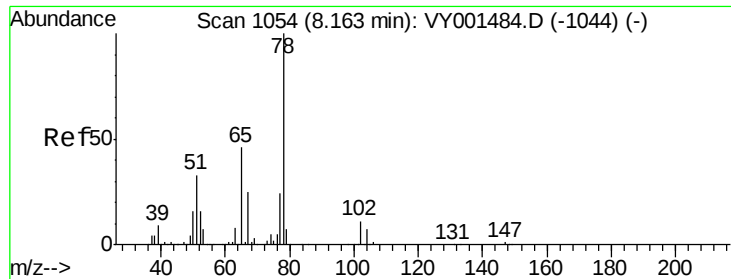
69 162.8 29.6 44.4#

84 144.2 73.6 110.4#



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 56.726 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY001558.D

Acq: 07 Feb 2020 16:47

Instrument :

MSVOA_Y

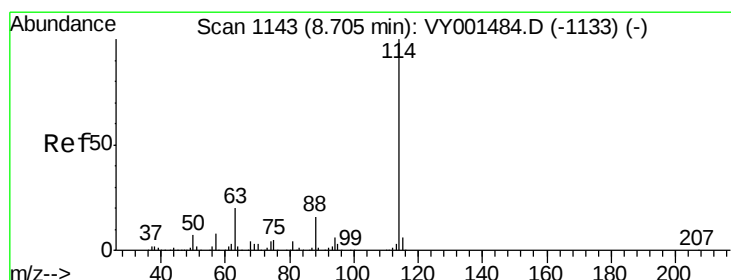
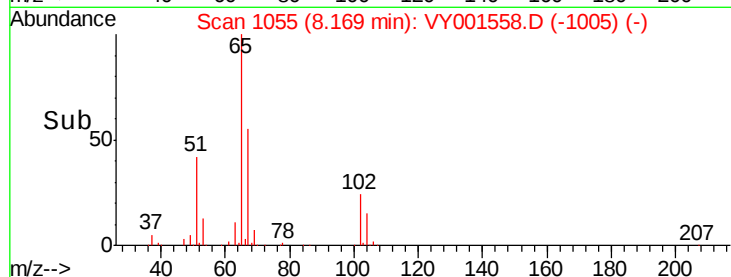
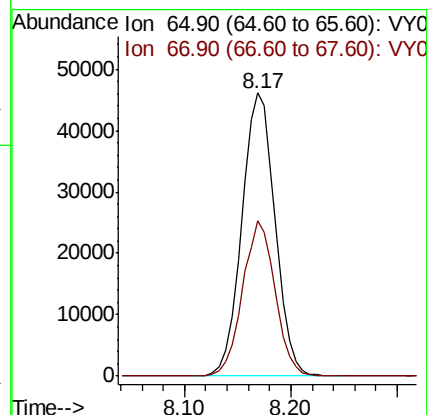
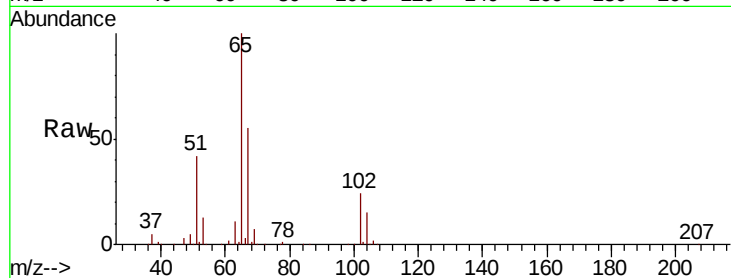
ClientSampled :

Tot Ion: 65 Resp: 100941

Ion Ratio Lower Upper

65 100

67 53.7 0.0 108.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VY001558.D

Acq: 07 Feb 2020 16:47

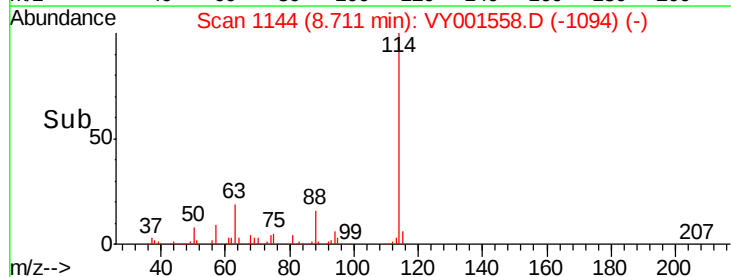
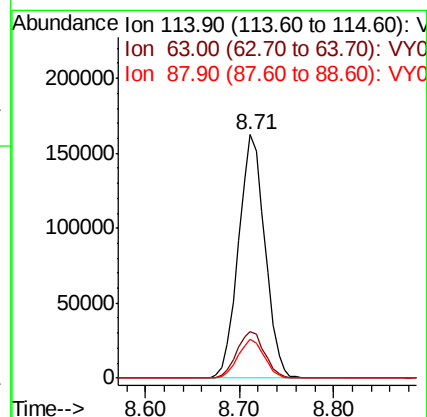
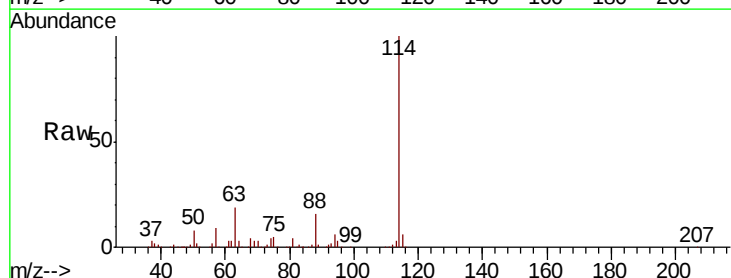
Tgt Ion: 114 Resp: 315029

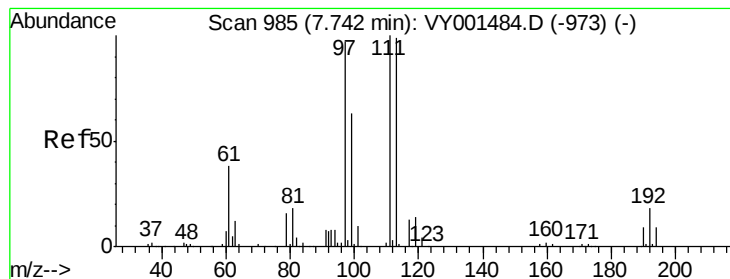
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.8

88 16.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.263 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY001558.D

Acq: 07 Feb 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :

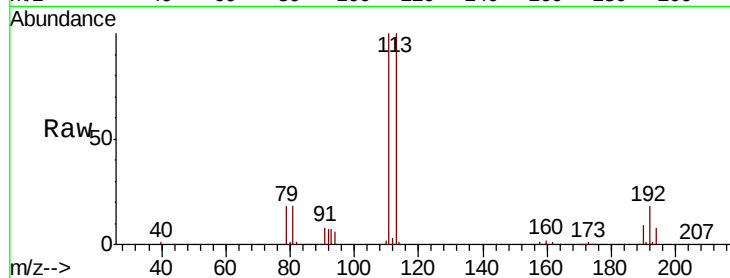
Tot Ion:113 Resp: 87675

Ion Ratio Lower Upper

113 100

111 102.2 82.9 124.3

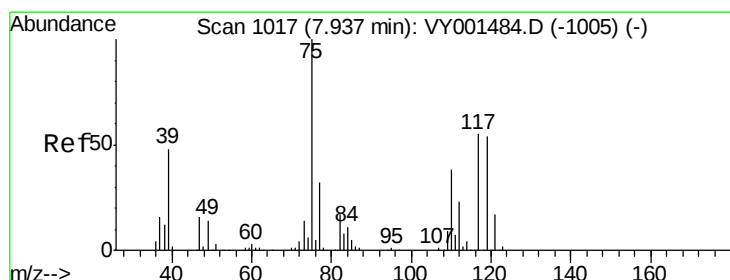
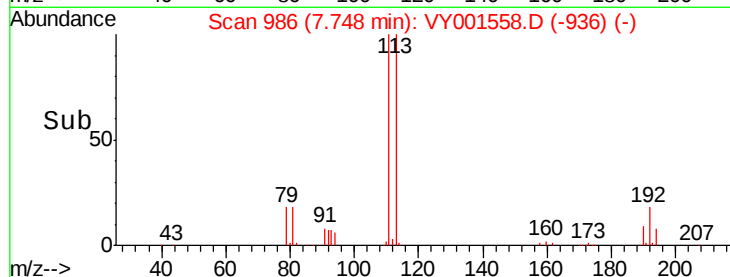
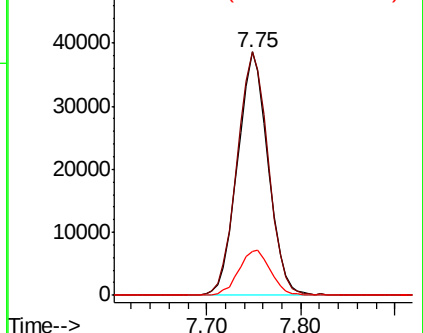
192 19.2 14.6 22.0



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



#36

1,1-Dichloropropene

Concen: 4.969 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.12 min

Lab File: VY001558.D

Acq: 07 Feb 2020 16:47

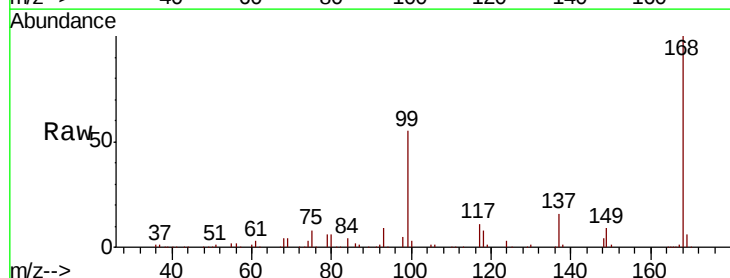
Tgt Ion: 75 Resp: 14319

Ion Ratio Lower Upper

75 100

110 7.5 18.2 54.6#

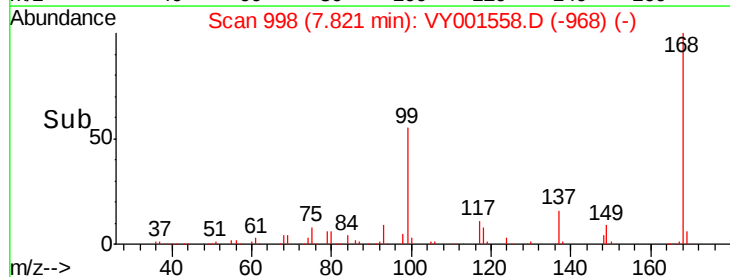
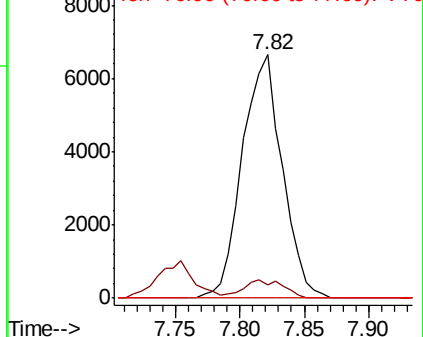
77 0.0 25.0 37.4#

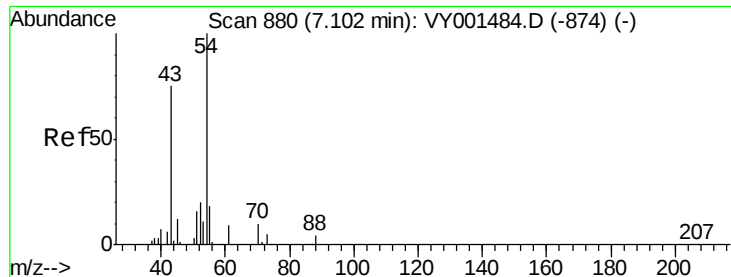


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

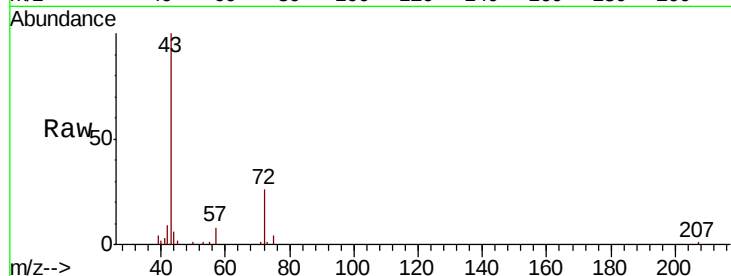




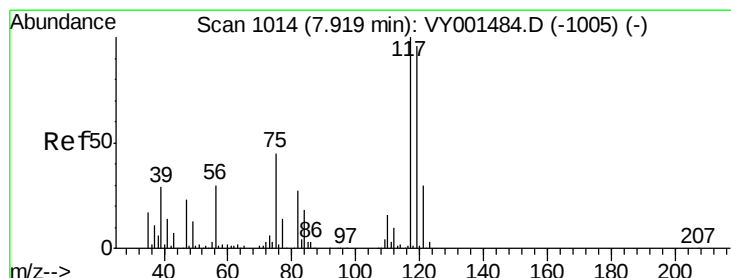
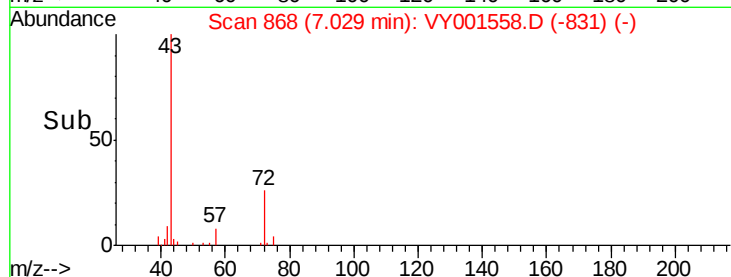
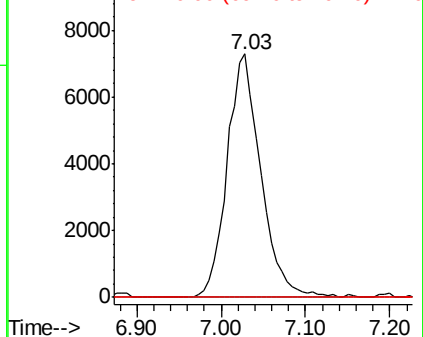
#37
Ethyl Acetate
Concen: 14.220 ug/l
RT: 7.03 min Scan# 868
Delta R.T. -0.07 min
Lab File: VY001558.D
Acq: 07 Feb 2020 16:47

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 19838
Ion Ratio Lower Upper
43 100
61 0.0 12.0 18.0#
70 0.0 10.2 15.4#

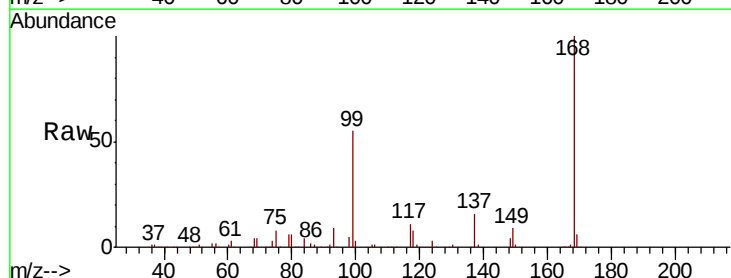


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

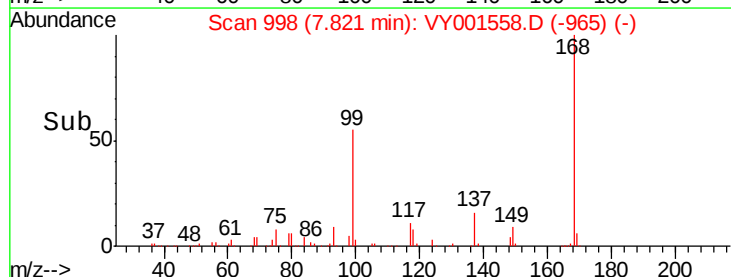
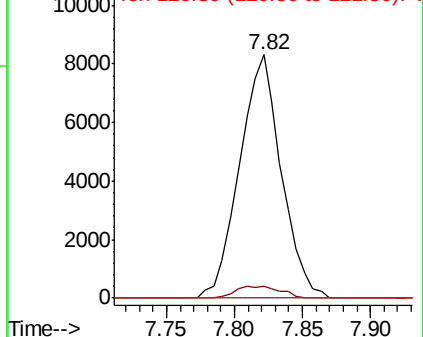


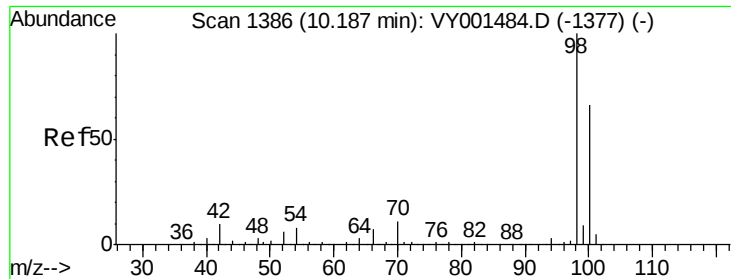
#38
Carbon Tetrachloride
Concen: 6.360 ug/l
RT: 7.82 min Scan# 998
Delta R.T. -0.10 min
Lab File: VY001558.D
Acq: 07 Feb 2020 16:47

Tgt Ion: 117 Resp: 17732
Ion Ratio Lower Upper
117 100
119 4.8 76.4 114.6#
121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 53.993 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001558.D

Acq: 07 Feb 2020 16:47

Instrument :

MSVOA_Y

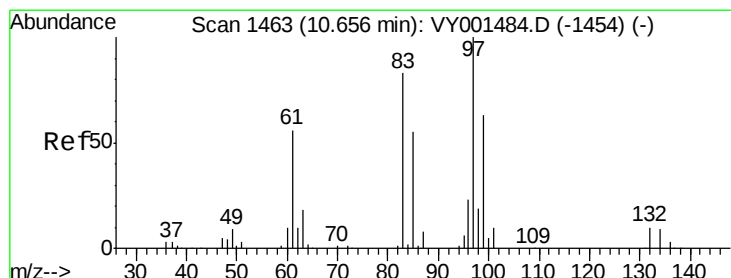
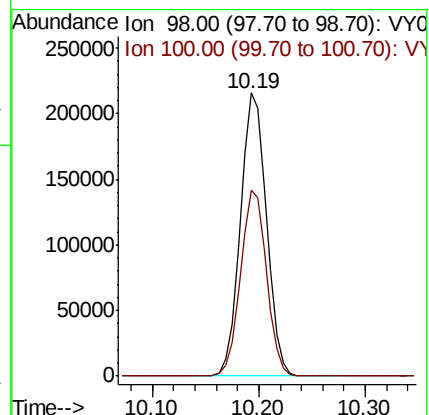
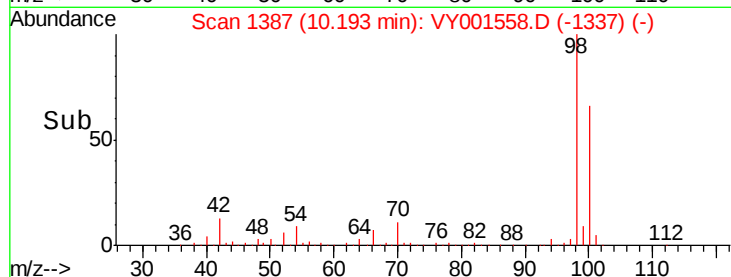
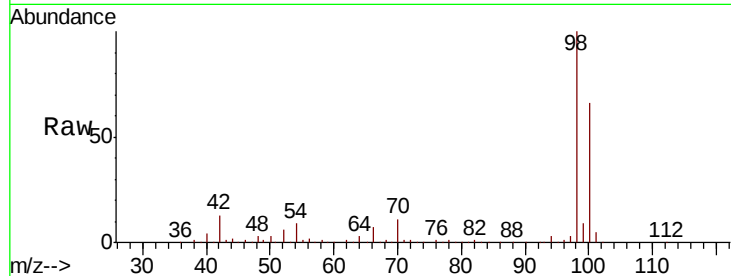
ClientSampleId :

Tot Ion: 98 Resp: 371095

Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.6



#55

1,1,2-Trichloroethane

Concen: 1.351 ug/l

RT: 10.63 min Scan# 1459

Delta R.T. -0.02 min

Lab File: VY001558.D

Acq: 07 Feb 2020 16:47

Tgt Ion: 97 Resp: 2160

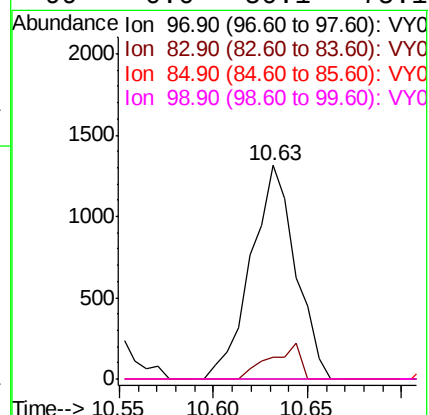
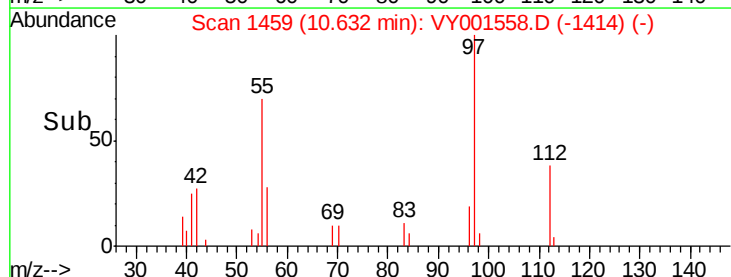
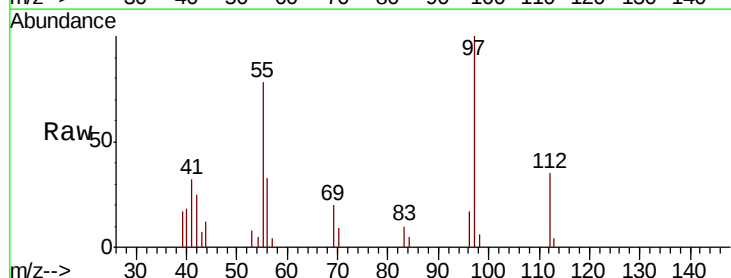
Ion Ratio Lower Upper

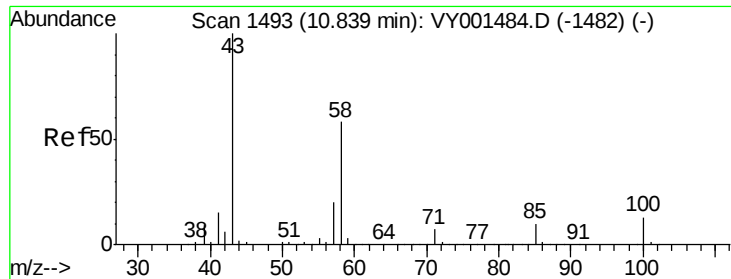
97 100

83 10.4 66.2 99.2#

85 0.0 43.8 65.6#

99 0.0 50.1 75.1#





#59

2-Hexanone

Concen: 1.430 ug/l

RT: 10.82 min Scan# 1490

Delta R.T. -0.02 min

Lab File: VY001558.D

Acq: 07 Feb 2020 16:47

Instrument :

MSVOA_Y

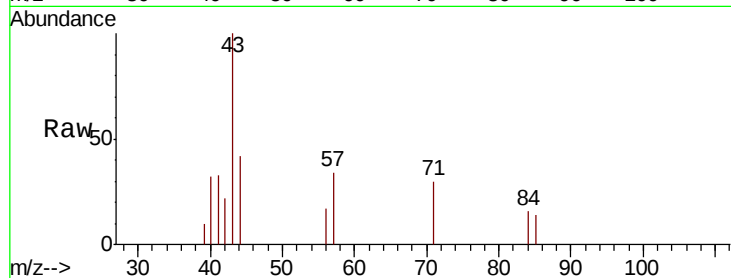
ClientSampleId :

Tot Ion: 43 Resp: 1414

Ion Ratio Lower Upper

43 100

58 0.0 29.0 87.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.82

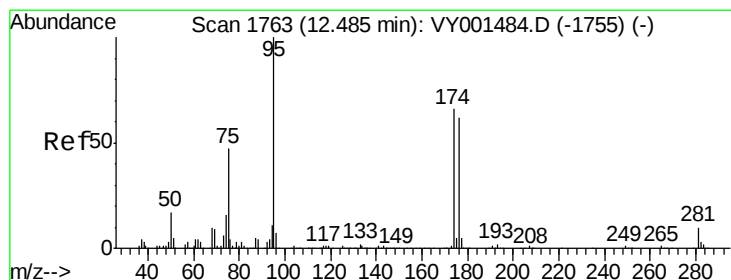
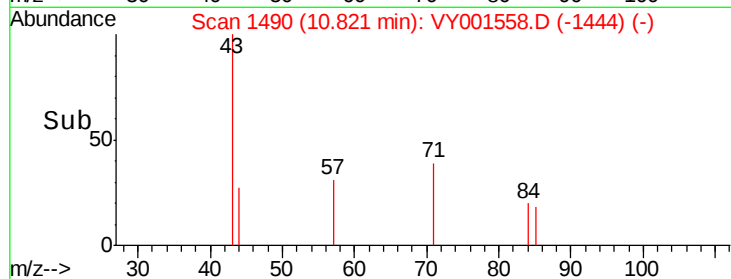
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 40.767 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001558.D

Acq: 07 Feb 2020 16:47

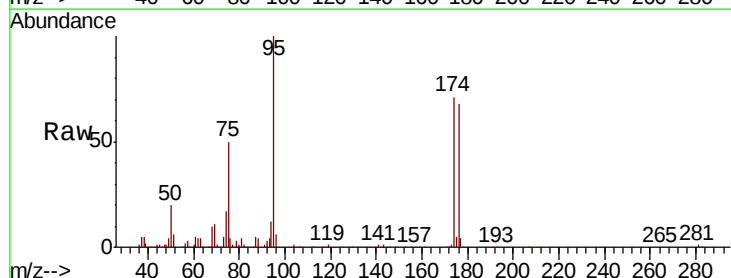
Tgt Ion: 95 Resp: 110381

Ion Ratio Lower Upper

95 100

174 76.6 0.0 141.4

176 71.6 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

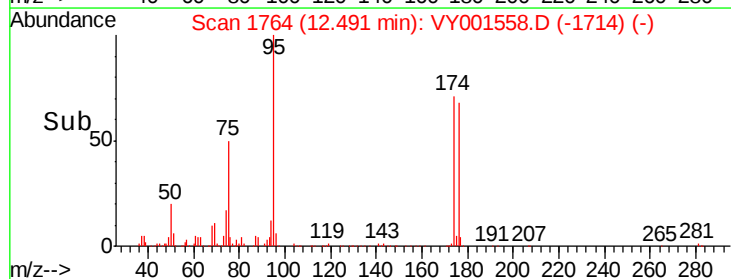
60000

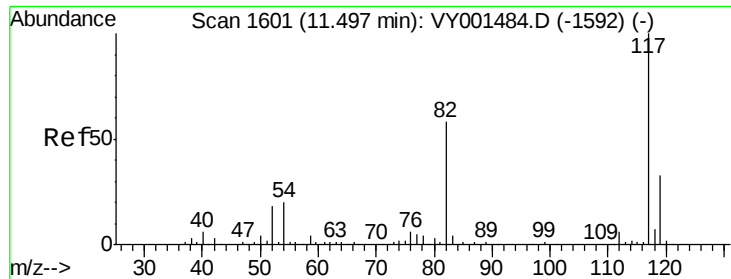
40000

20000

0

Time-->

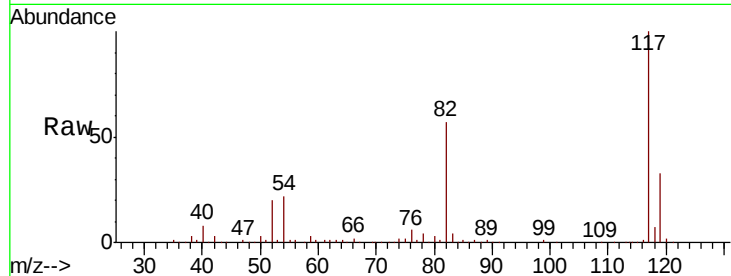




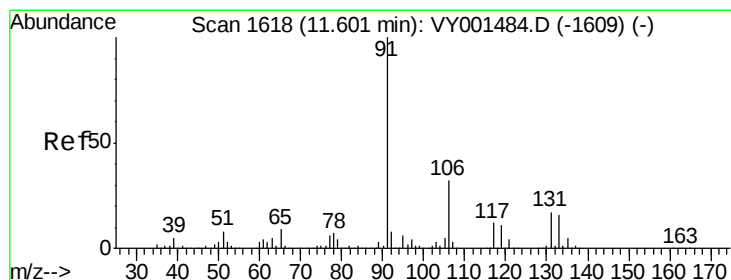
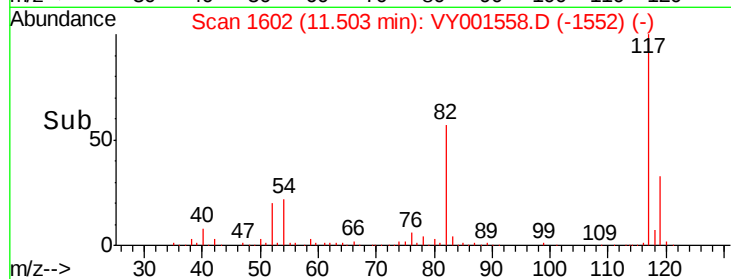
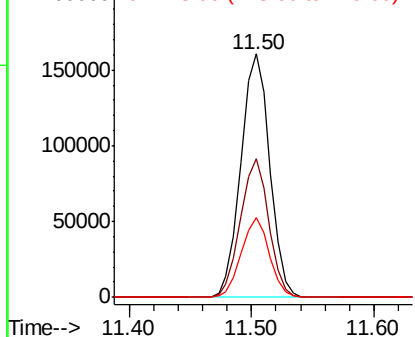
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001558.D
Acq: 07 Feb 2020 16:47

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 262127
Ion Ratio Lower Upper
117 100
82 56.9 46.1 69.1
119 32.9 26.1 39.1

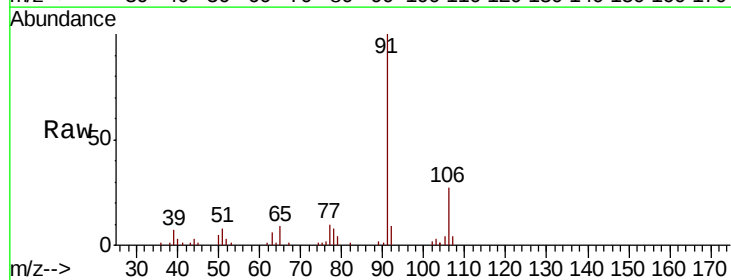


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

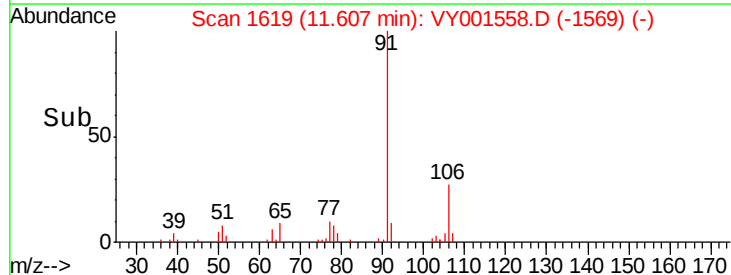
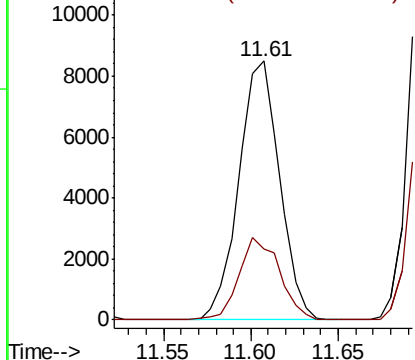


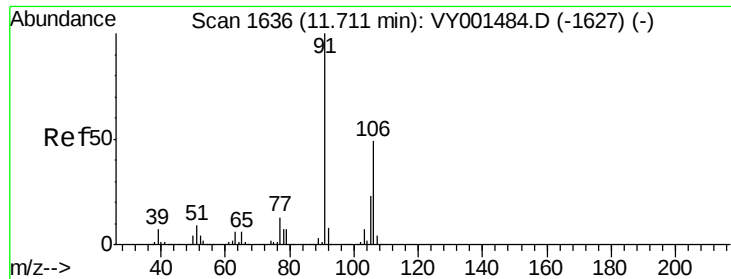
#67
Ethyl Benzene
Concen: 1.446 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001558.D
Acq: 07 Feb 2020 16:47

Tgt Ion: 91 Resp: 13764
Ion Ratio Lower Upper
91 100
106 27.3 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 106.00 (105.70 to 106.70): V

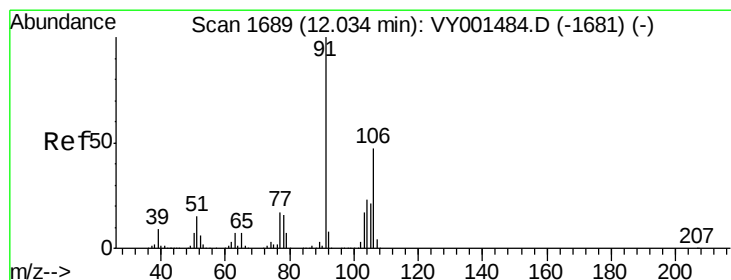
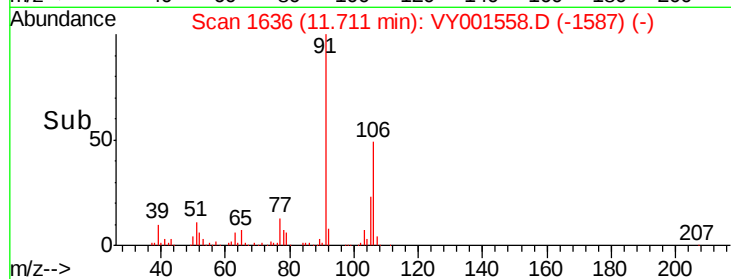
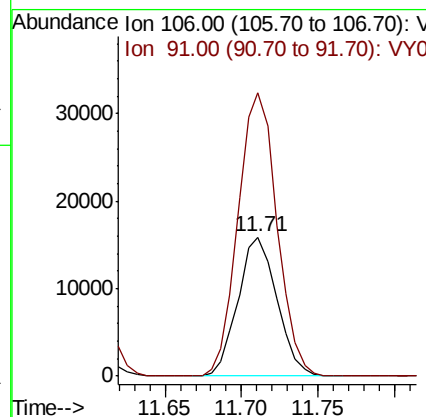
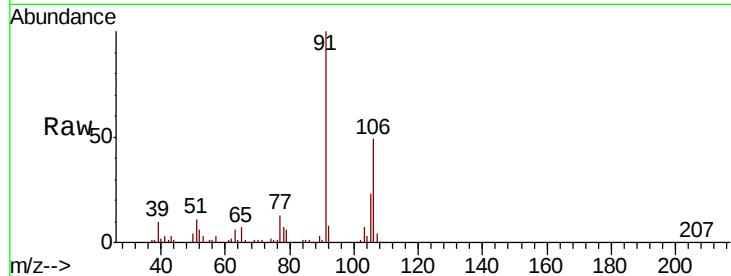




#68
m/p-Xvlenes
Concen: 7.863 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY001558.D
Acq: 07 Feb 2020 16:47

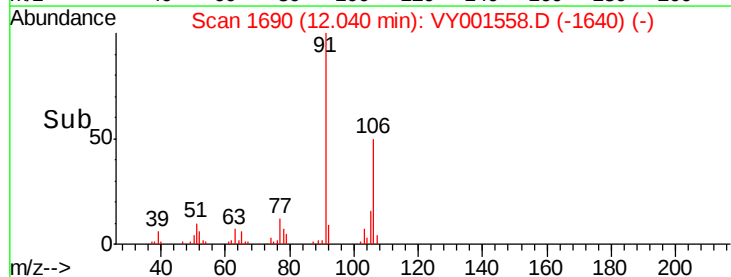
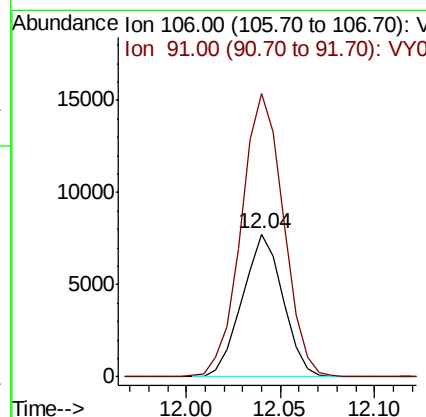
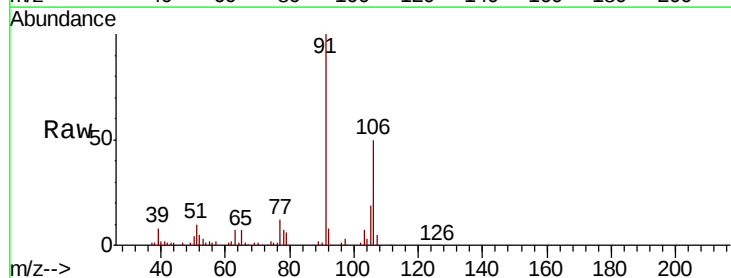
Instrument :
MSVOA_Y
ClientSampleId :

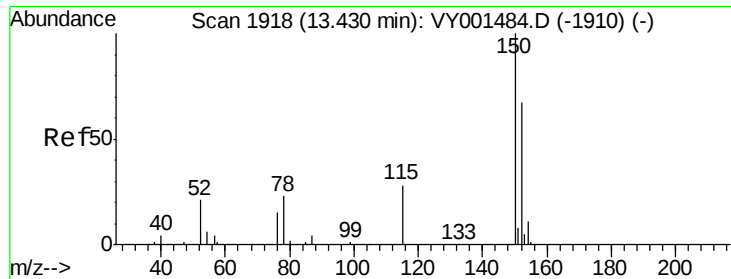
Tot Ion:106 Resp: 28091
Ion Ratio Lower Upper
106 100
91 203.2 163.6 245.4



#69
o-Xylene
Concen: 3.434 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001558.D
Acq: 07 Feb 2020 16:47

Tgt Ion:106 Resp: 11567
Ion Ratio Lower Upper
106 100
91 206.5 106.0 318.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001558.D

Acq: 07 Feb 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :

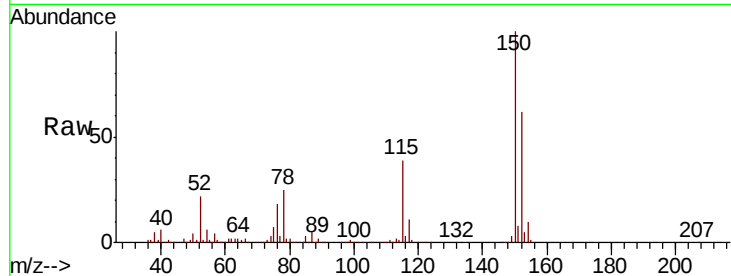
Tot Ion:152 Resp: 91812

Ion Ratio Lower Upper

152 100

115 59.7 31.4 94.3

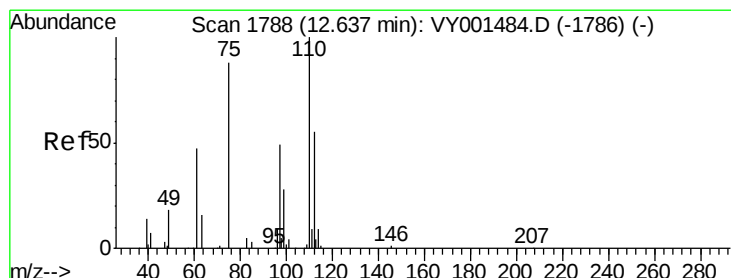
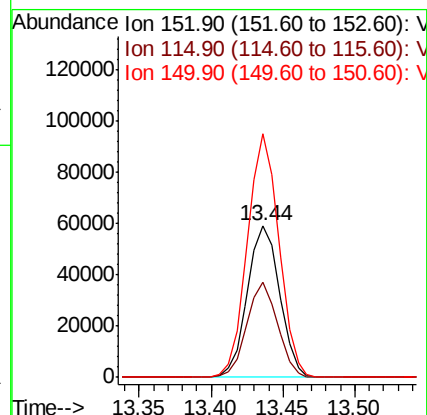
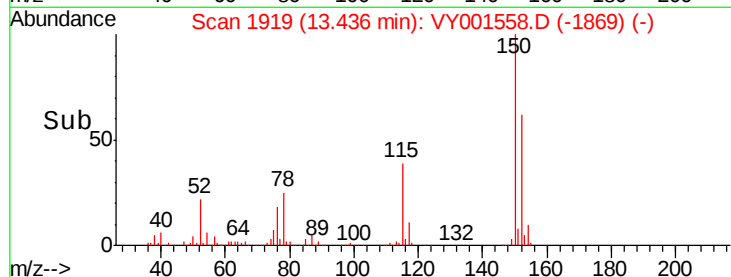
150 156.4 0.0 346.8



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: 56.730 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001558.D

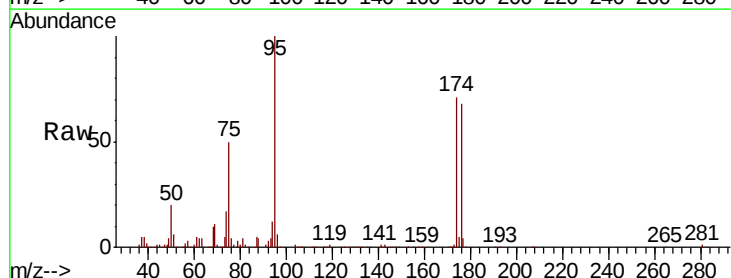
Acq: 07 Feb 2020 16:47

Tgt Ion: 75 Resp: 56012

Ion Ratio Lower Upper

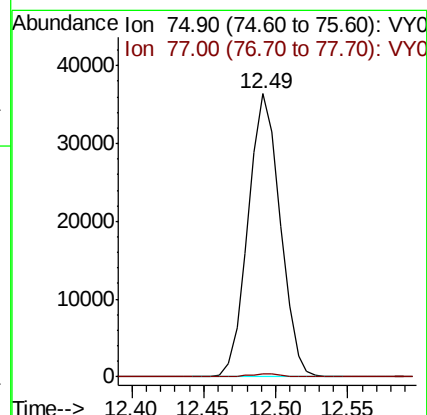
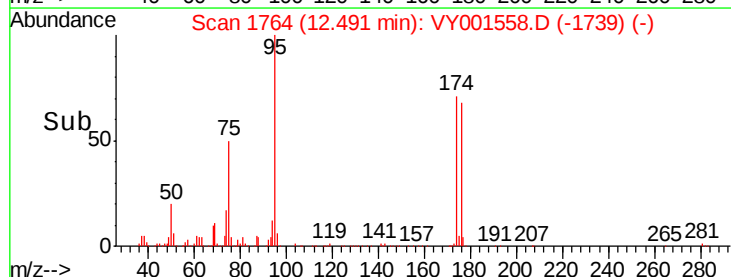
75 100

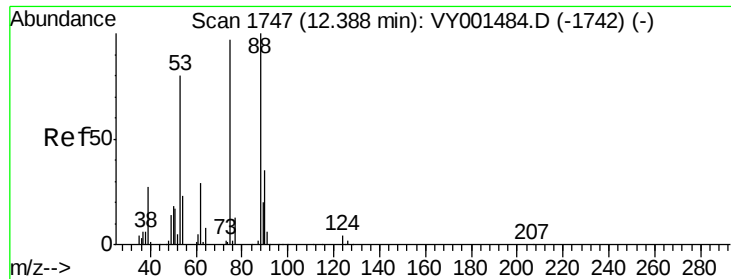
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.769 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY001558.D
 Acq: 07 Feb 2020 16:47

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 56012
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.7 101.5#
 89 0.1 34.6 52.0#

