

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001657.D
 Acq On : 17 Feb 2020 19:20
 Operator : SY/MD
 Sample : L1546-18
 Misc : 7.20G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 18 00:38:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	159156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	283632	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	248984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	105549	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	85000	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
35) Dibromofluoromethane	7.75	113	82055	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
50) Toluene-d8	10.20	98	344386	54.11	ug/l	0.00
Spiked Amount			Recovery	=	108.22%	
62) 4-Bromofluorobenzene	12.50	95	111613	45.14	ug/l	0.00
Spiked Amount			Recovery	=	90.28%	

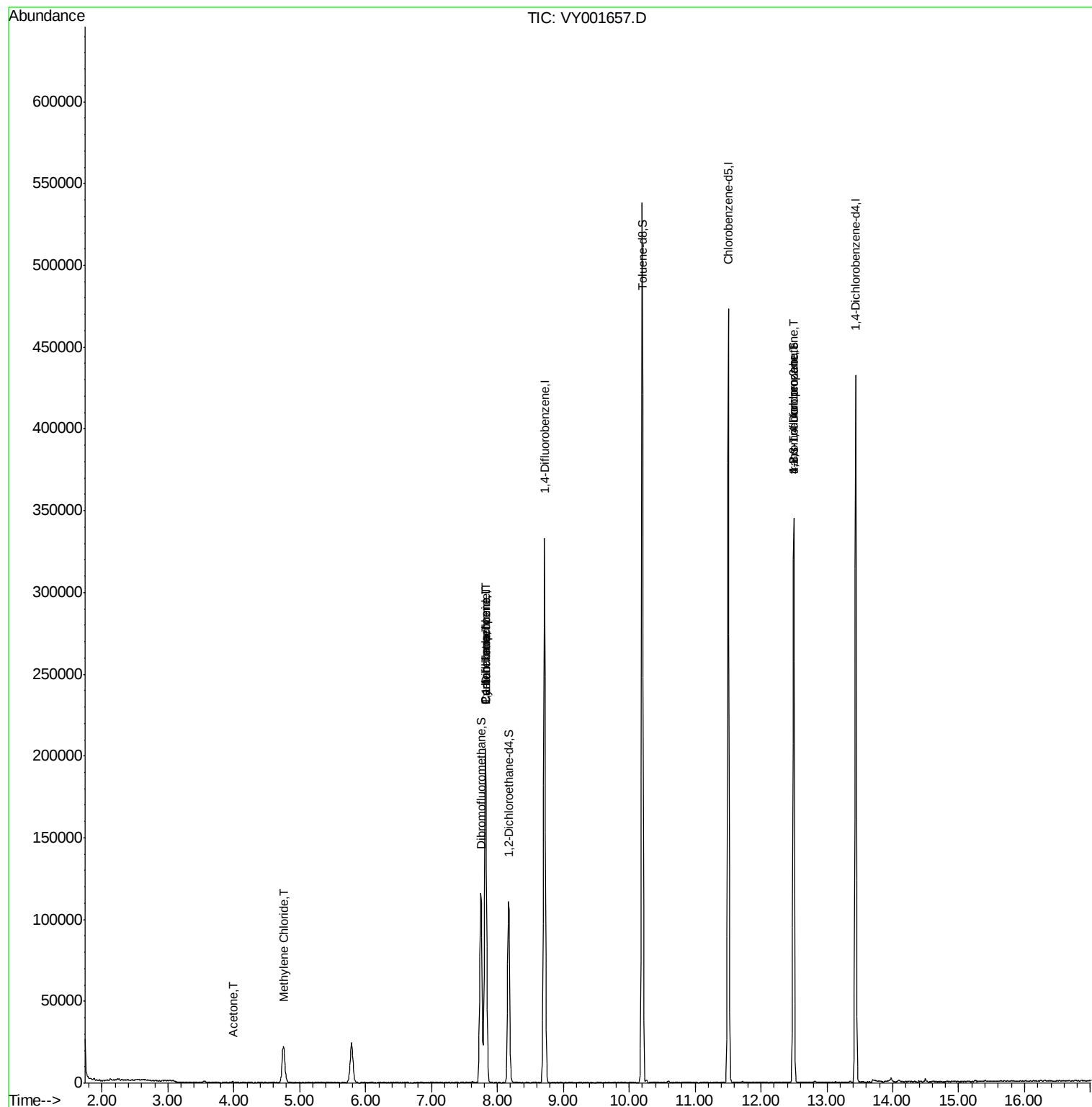
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	19	Below Cal	#	74
16) Acetone	3.98	43	1150	1.941	ug/l #	71
20) Methylene Chloride	4.75	84	17077	8.116	ug/l	94
31) Cyclohexane	7.82	56	3758	1.045	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	12944	4.778	ug/l #	50
38) Carbon Tetrachloride	7.82	117	15977	6.714	ug/l #	18
76) 1,2,3-Trichloropropane	12.50	75	56179	46.399	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	56179	88.027	ug/l #	17

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

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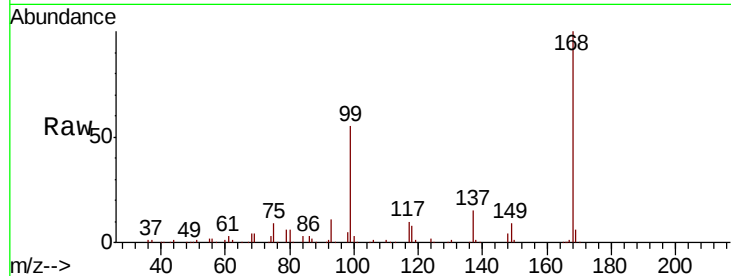


#1

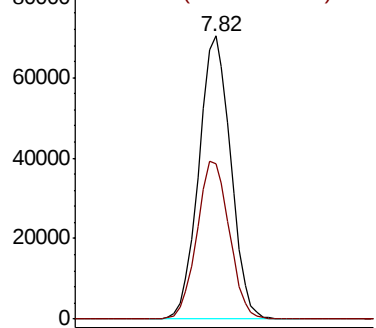
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. 0.01 min
 Lab File: VY001657.D
 Acq: 17 Feb 2020 19:20

Instrument :
 MSVOA_Y
 ClientSampleId :

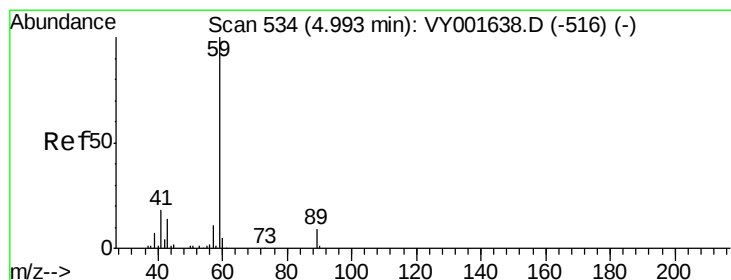
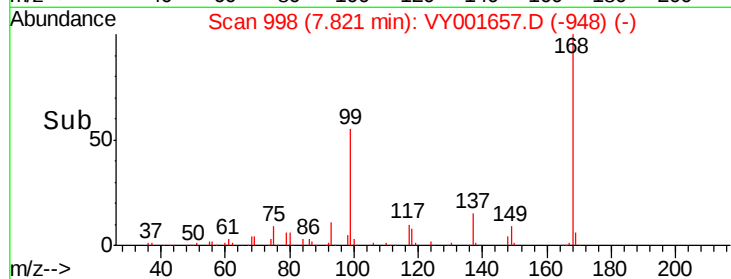
Tot Ion:168 Resp: 159156
 Ion Ratio Lower Upper
 168 100
 99 55.0 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)
 Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)



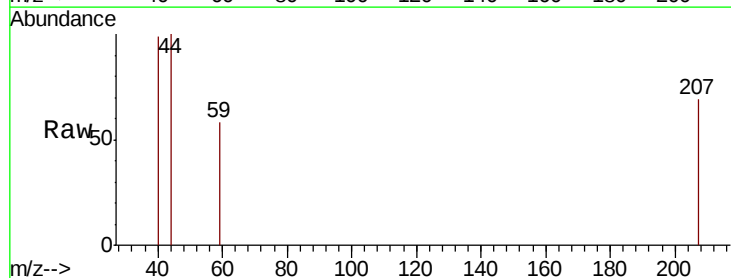
Time--> 7.70 7.80 7.90



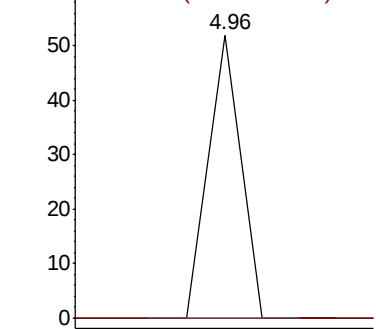
#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.96 min Scan# 529
 Delta R.T. -0.03 min
 Lab File: VY001657.D
 Acq: 17 Feb 2020 19:20

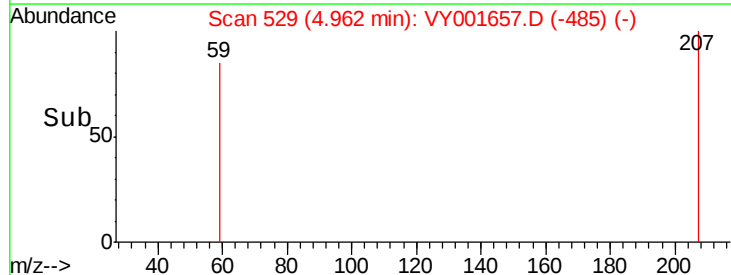
Tgt Ion: 59 Resp: 19
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

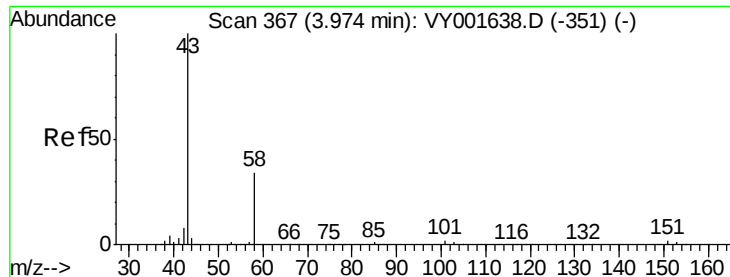


Abundance Ion 59.00 (58.70 to 59.70): VY001638.D (-516) (-)
 Ion 57.00 (56.70 to 57.70): VY001638.D (-516) (-)



Time--> 4.94 4.95 4.96 4.97 4.98





#16

Acetone

Concen: 1.941 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001657.D

Acq: 17 Feb 2020 19:20

Instrument :

MSVOA_Y

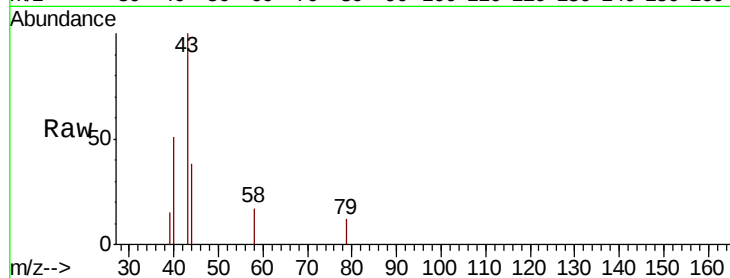
ClientSampleId :

Tot Ion: 43 Resp: 1150

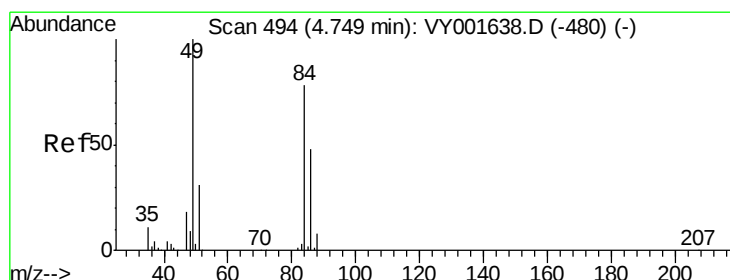
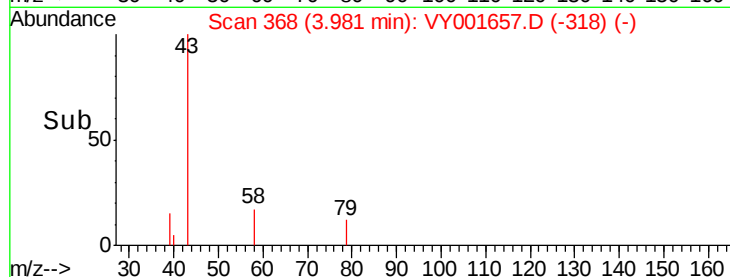
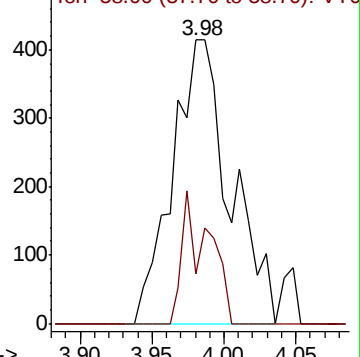
Ion Ratio Lower Upper

43 100

58 17.4 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VY001638.D (-351) (-)



#20

Methylene Chloride

Concen: 8.116 ug/l

RT: 4.75 min Scan# 495

Delta R.T. 0.01 min

Lab File: VY001657.D

Acq: 17 Feb 2020 19:20

Tgt Ion: 84 Resp: 17077

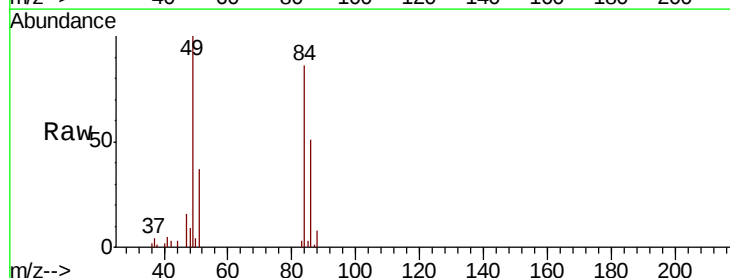
Ion Ratio Lower Upper

84 100

49 116.6 99.2 148.8

51 42.7 31.5 47.3

86 59.0 51.0 76.6

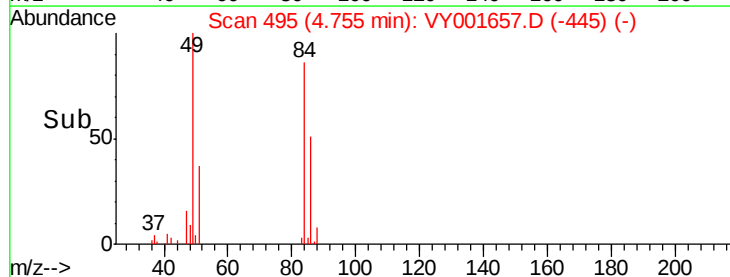
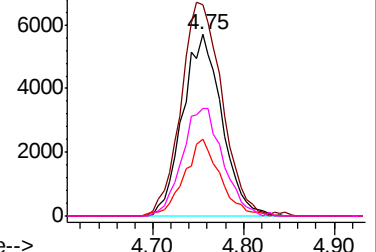


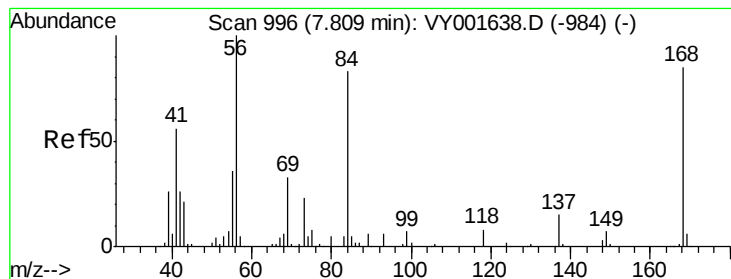
Abundance Ion 83.90 (83.60 to 84.60): VY001638.D (-480) (-)

Ion 48.90 (48.60 to 49.60): VY001638.D (-480) (-)

Ion 50.90 (50.60 to 51.60): VY001638.D (-480) (-)

Ion 85.90 (85.60 to 86.60): VY001638.D (-480) (-)





#31

Cyclohexane

Concen: 1.045 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001657.D

Acq: 17 Feb 2020 19:20

Instrument :

MSVOA_Y

ClientSampleId :

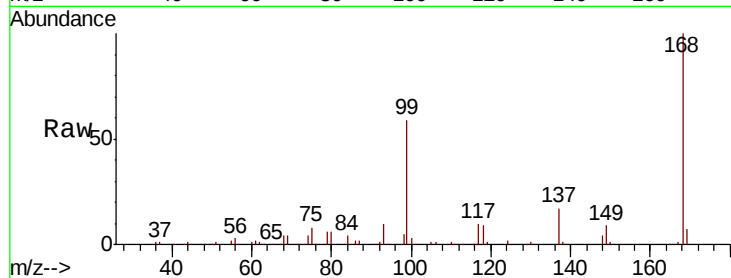
Tot Ion: 56 Resp: 3758

Ion Ratio Lower Upper

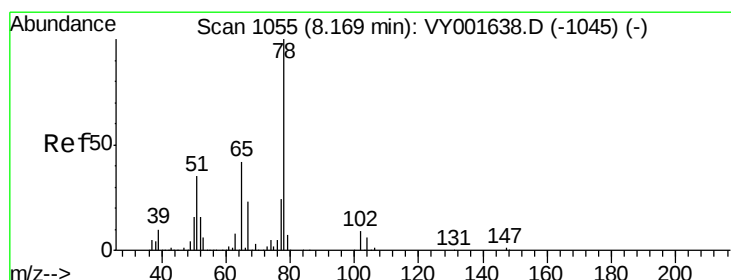
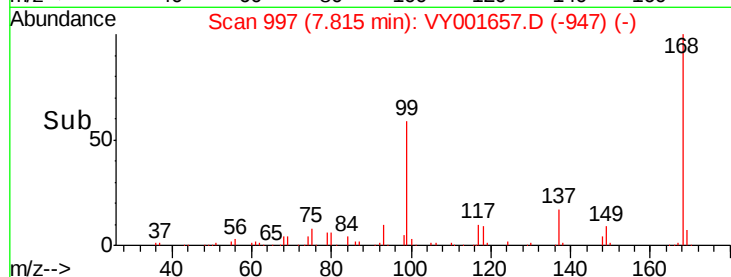
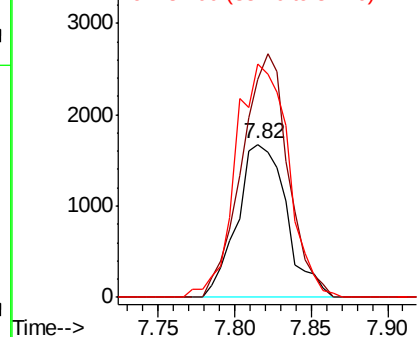
56 100

69 143.0 25.1 37.7#

84 153.0 66.9 100.3#



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: 49.651 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VY001657.D

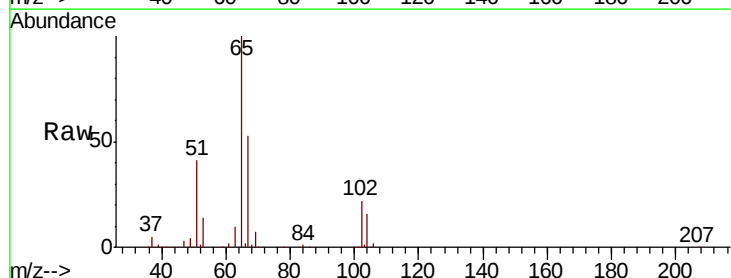
Acq: 17 Feb 2020 19:20

Tgt Ion: 65 Resp: 85000

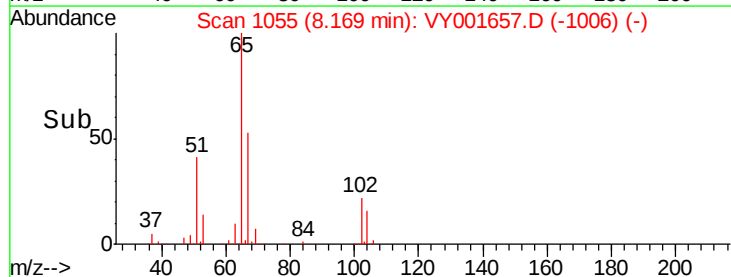
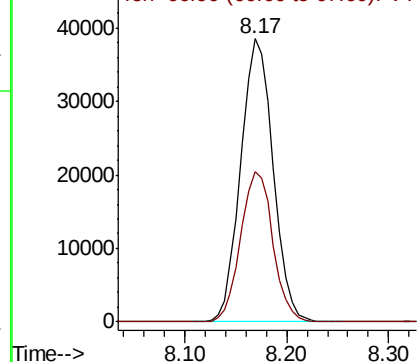
Ion Ratio Lower Upper

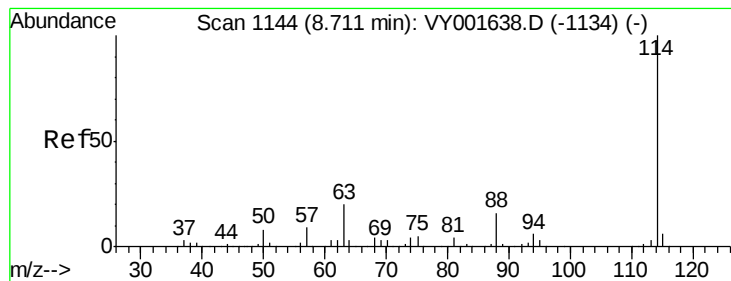
65 100

67 52.8 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VY001657.D

Acq: 17 Feb 2020 19:20

Instrument :

MSVOA_Y

ClientSampleId :

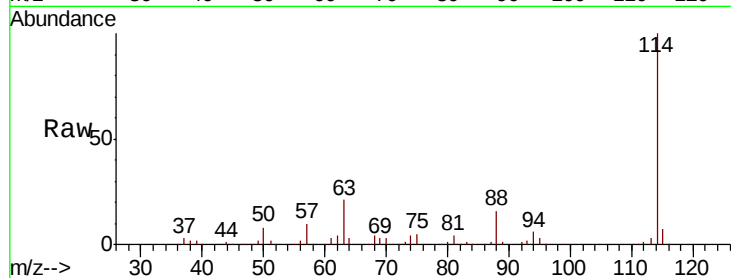
Tot Ion:114 Resp: 283632

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.4

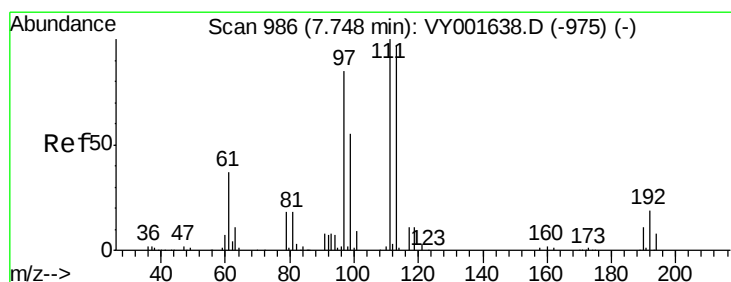
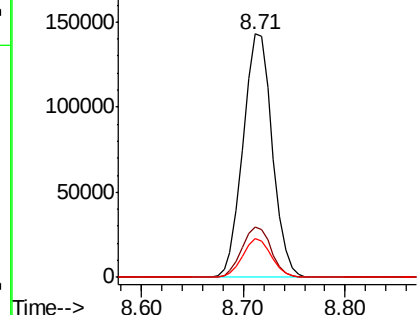
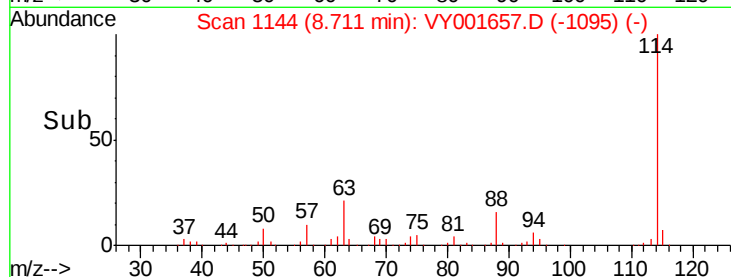
88 16.1 0.0 32.8



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



#35

Dibromofluoromethane

Concen: 50.510 ug/l

RT: 7.75 min Scan# 986

Delta R.T. -0.00 min

Lab File: VY001657.D

Acq: 17 Feb 2020 19:20

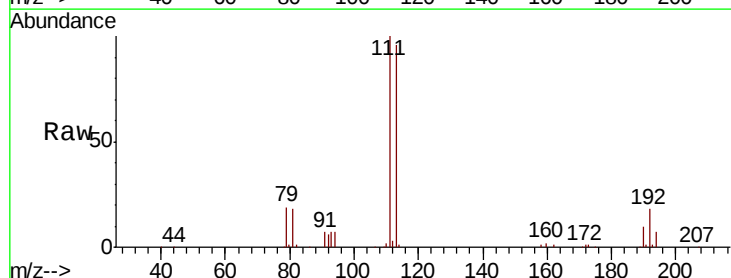
Tgt Ion:113 Resp: 82055

Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

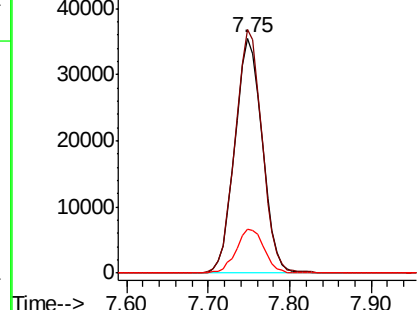
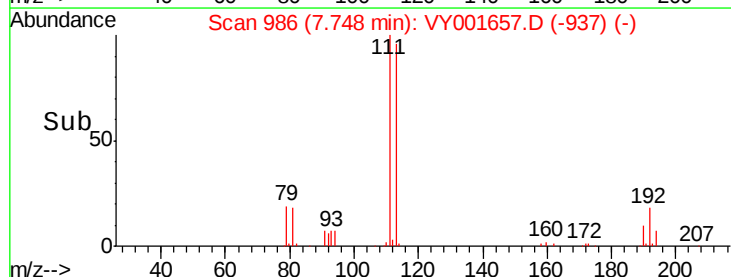
192 19.0 14.3 21.5

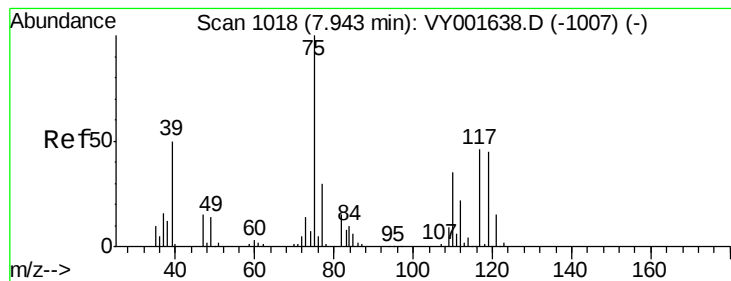


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.778 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.12 min

Lab File: VY001657.D

Acq: 17 Feb 2020 19:20

Instrument :

MSVOA_Y

ClientSampleId :

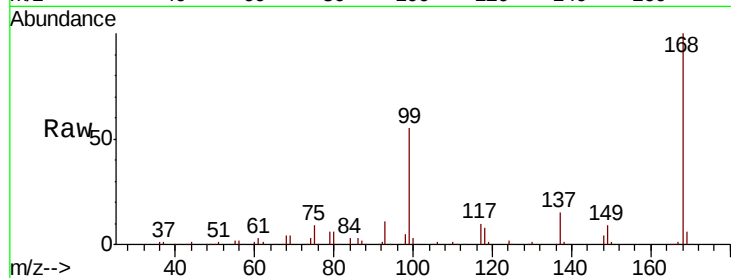
Tot Ion: 75 Resp: 12944

Ion Ratio Lower Upper

75 100

110 8.7 17.2 51.6#

77 0.0 24.8 37.2#

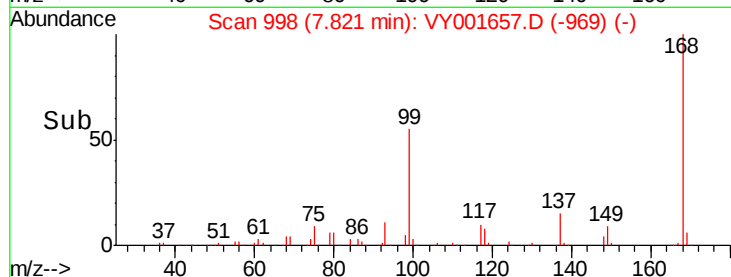


Abundance Ion 74.90 (74.60 to 75.60): VY001638.D (-1007) (-)

Ion 109.90 (109.60 to 110.60): VY001638.D (-1007) (-)

Ion 76.90 (76.60 to 77.60): VY001638.D (-1007) (-)

Time-->

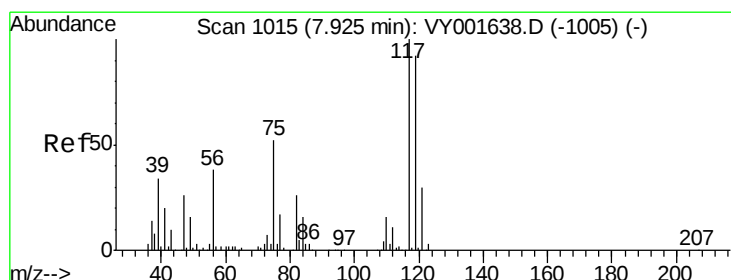


Abundance Ion 74.90 (74.60 to 75.60): VY001657.D (-969) (-)

Ion 109.90 (109.60 to 110.60): VY001657.D (-969) (-)

Ion 76.90 (76.60 to 77.60): VY001657.D (-969) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.714 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.11 min

Lab File: VY001657.D

Acq: 17 Feb 2020 19:20

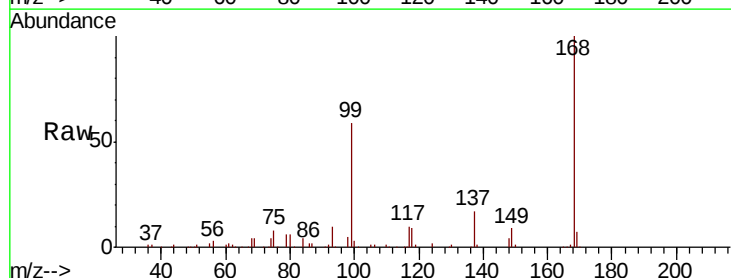
Tgt Ion: 117 Resp: 15977

Ion Ratio Lower Upper

117 100

119 6.7 74.8 112.2#

121 0.0 23.8 35.6#

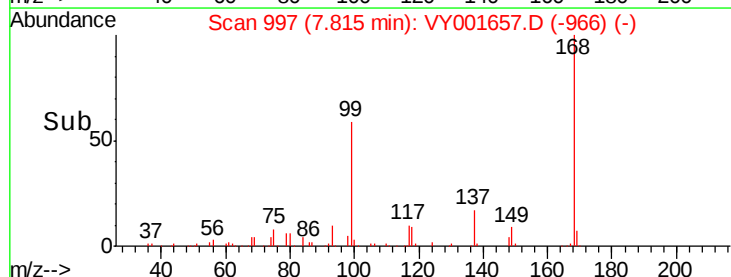


Abundance Ion 116.80 (116.50 to 117.50): VY001638.D (-1005) (-)

Ion 118.80 (118.50 to 119.50): VY001638.D (-1005) (-)

Ion 120.80 (120.50 to 121.50): VY001638.D (-1005) (-)

Time-->

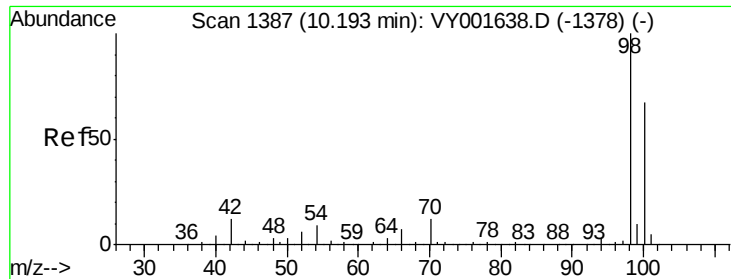


Abundance Ion 116.80 (116.50 to 117.50): VY001657.D (-966) (-)

Ion 118.80 (118.50 to 119.50): VY001657.D (-966) (-)

Ion 120.80 (120.50 to 121.50): VY001657.D (-966) (-)

Time-->



#50

Toluene-d8

Concen: 54.112 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001657.D

Acq: 17 Feb 2020 19:20

Instrument :

MSVOA_Y

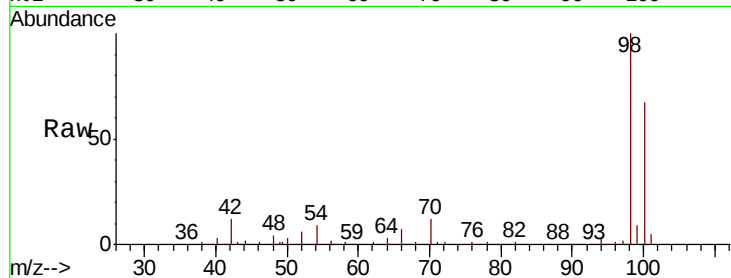
ClientSampled :

Tot Ion: 98 Resp: 344386

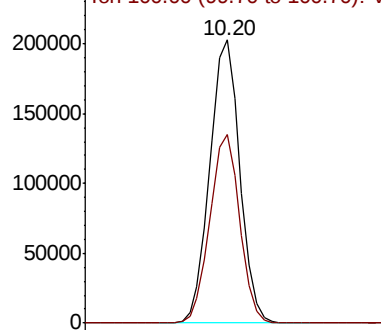
Ion Ratio Lower Upper

98 100

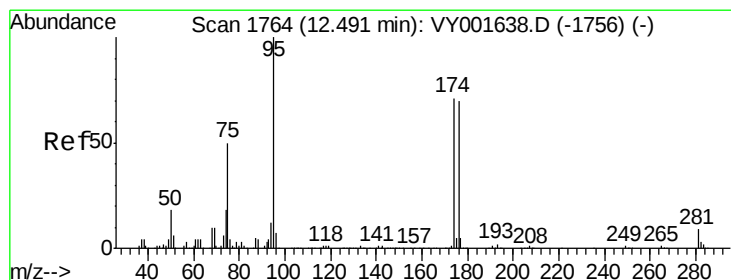
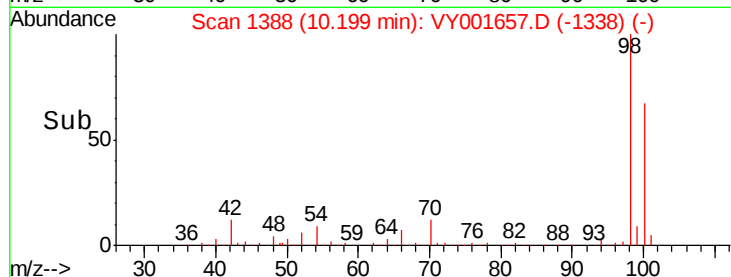
100 66.3 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001638.D (-1378) (-)



Time-->



#62

4-Bromofluorobenzene

Concen: 45.142 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001657.D

Acq: 17 Feb 2020 19:20

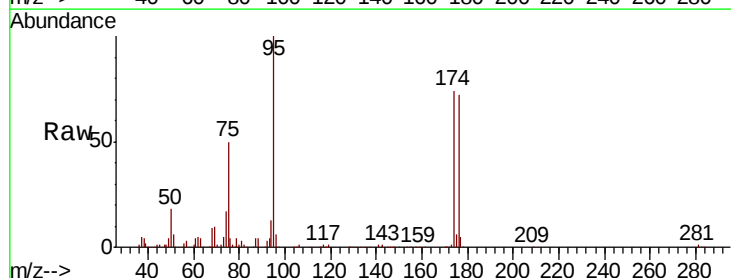
Tgt Ion: 95 Resp: 111613

Ion Ratio Lower Upper

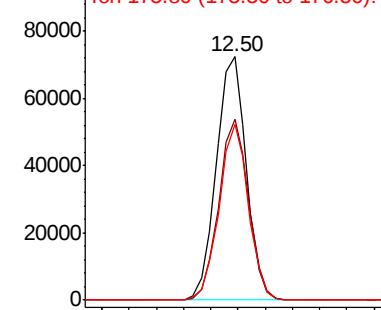
95 100

174 74.3 0.0 138.4

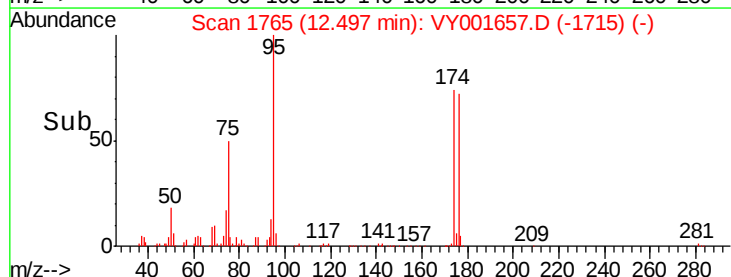
176 70.6 0.0 131.8

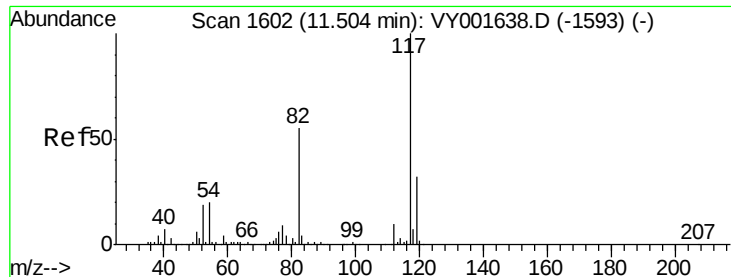


Abundance Ion 94.90 (94.60 to 95.60): VY001638.D (-1756) (-)



Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. -0.00 min

Lab File: VY001657.D

Acq: 17 Feb 2020 19:20

Instrument :

MSVOA_Y

ClientSampleId :

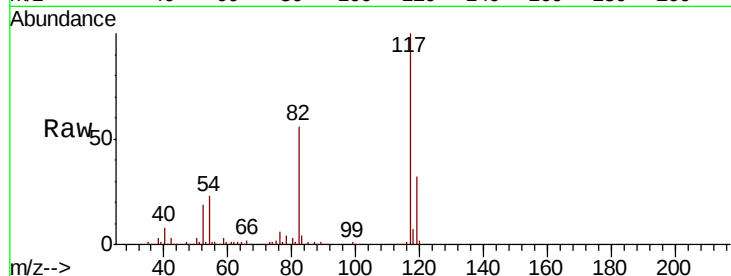
Tot Ion:117 Resp: 248984

Ion Ratio Lower Upper

117 100

82 56.1 45.5 68.3

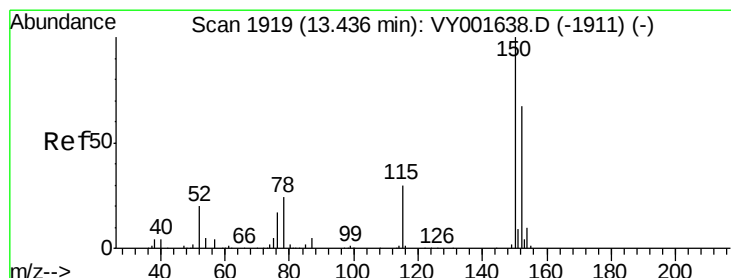
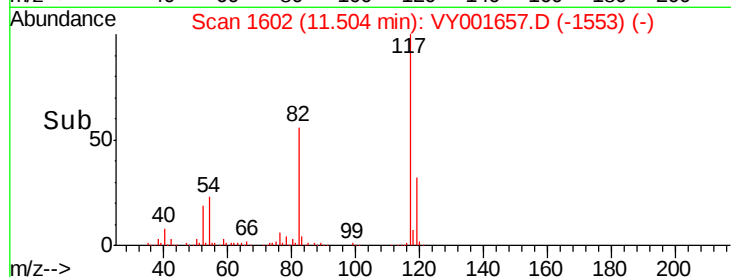
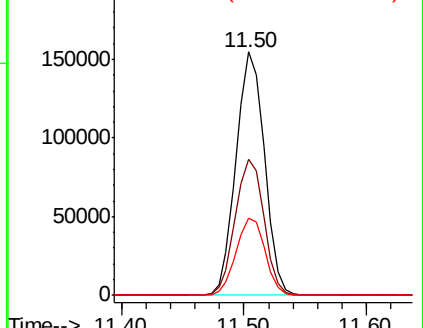
119 32.0 25.8 38.6



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: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY001657.D

Acq: 17 Feb 2020 19:20

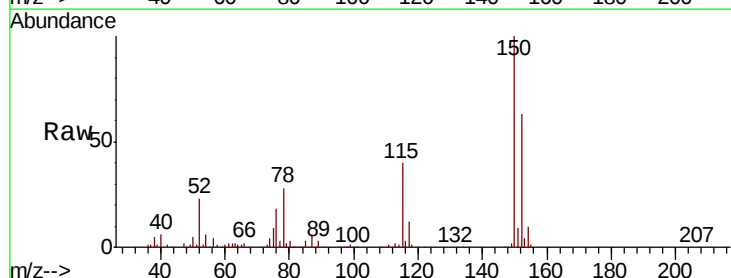
Tgt Ion:152 Resp: 105549

Ion Ratio Lower Upper

152 100

115 60.6 31.4 94.2

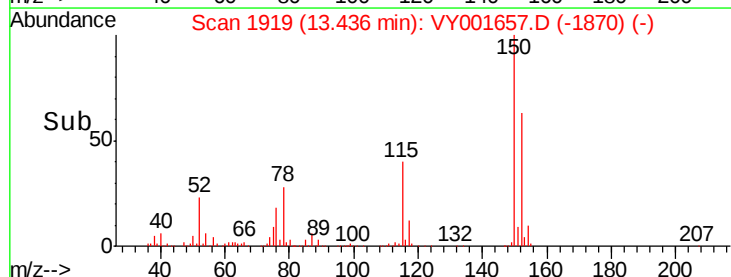
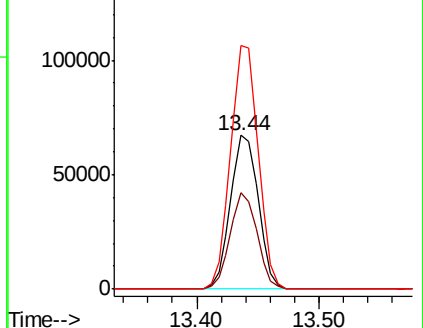
150 157.1 0.0 407.2

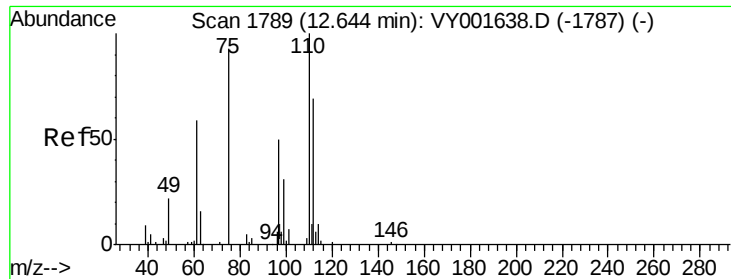


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 46.399 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.15 min

Lab File: VY001657.D

Acq: 17 Feb 2020 19:20

Instrument :

MSVOA_Y

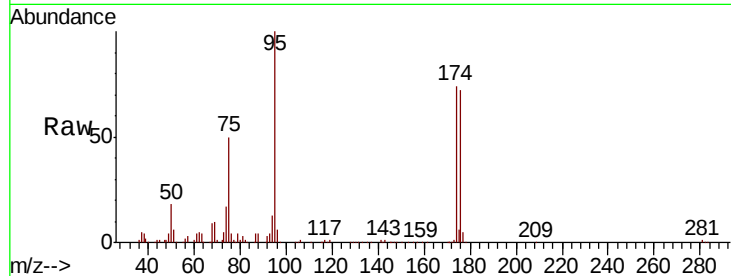
ClientSampleId :

Tot Ion: 75 Resp: 56179

Ion Ratio Lower Upper

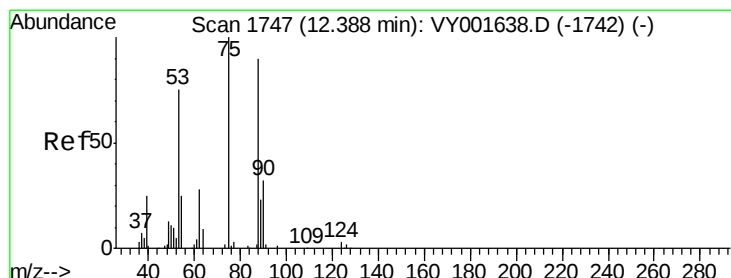
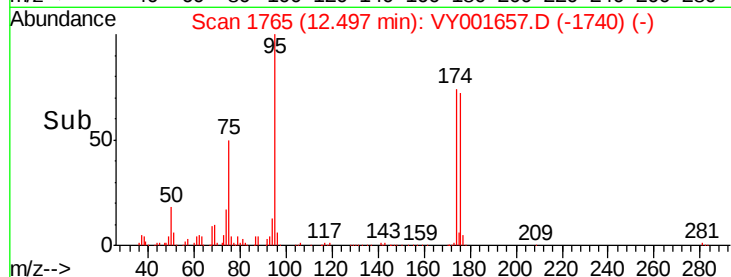
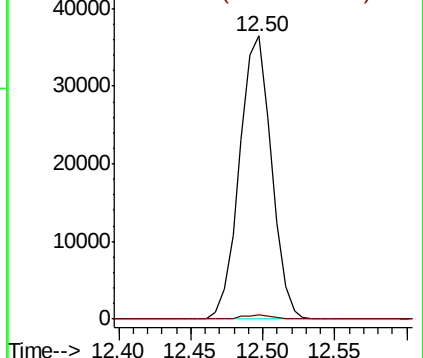
75 100

77 1.5 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: 88.027 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY001657.D

Acq: 17 Feb 2020 19:20

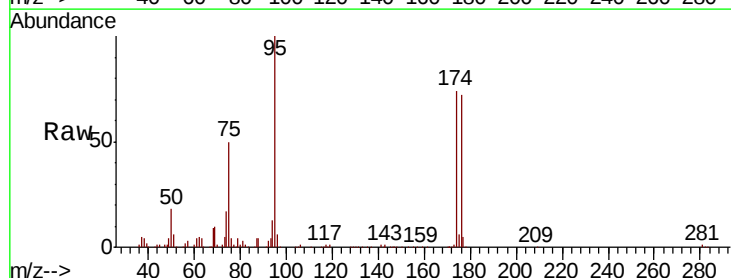
Tgt Ion: 75 Resp: 56179

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.1 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

