

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
 Data File : VY001571.D
 Acq On : 07 Feb 2020 21:35
 Operator : SY/MD
 Sample : L1499-03
 Misc : 5.01G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 08 01:29:23 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

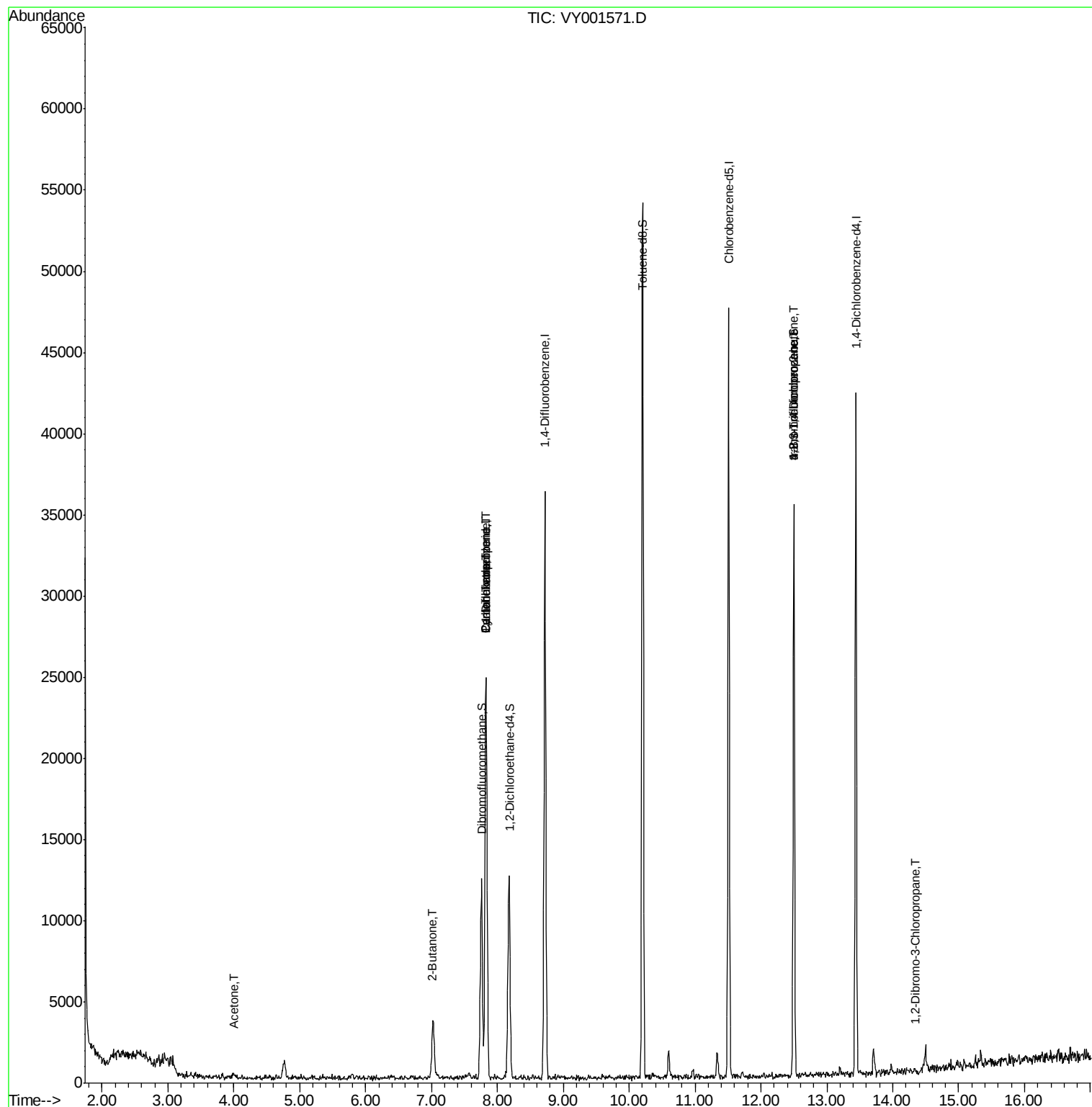
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	18658	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	30770	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.51	117	24392	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	10815	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.18	65	9443	50.27	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.54%	
35) Dibromofluoromethane	7.76	113	8598	48.46	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.92%	
50) Toluene-d8	10.21	98	35463	52.83	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.66%	
62) 4-Bromofluorobenzene	12.50	95	10251	38.76	ug/l	0.01
Spiked Amount	50.000		Recovery	=	77.52%	
Target Compounds						
					Qvalue	
16) Acetone	4.00	43	421	7.747	ug/l	90
20) Methylene Chloride	4.77	84	821	Below Cal	#	74
25) 2-Butanone	7.01	43	158	2.241	ug/l #	45
31) Cyclohexane	7.83	56	396	1.083	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	1451	5.155	ug/l #	47
38) Carbon Tetrachloride	7.82	117	1945	7.142	ug/l #	12
76) 1,2,3-Trichloropropane	12.50	75	5748	49.422	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	5748	95.629	ug/l #	16
92) 1,2-Dibromo-3-Chloropropan	14.34	75	45	1.555	ug/l #	3

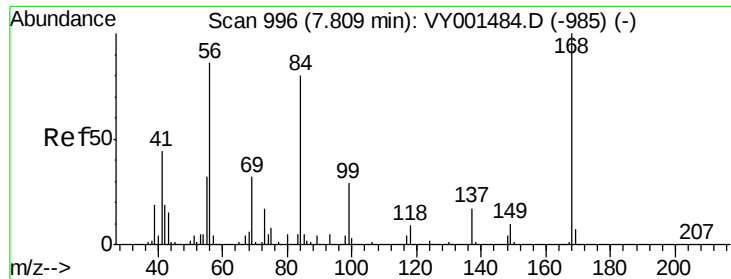
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.02 min

Lab File: VY001571.D

Acq: 07 Feb 2020 21:35

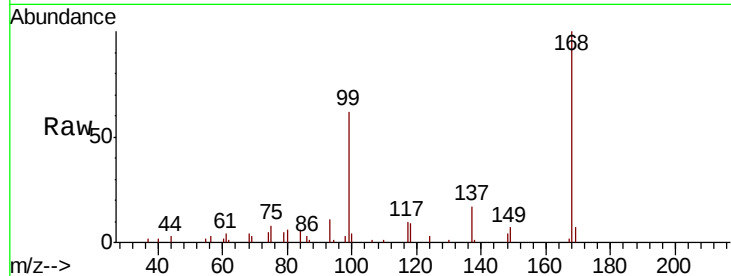
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 18658

Ion Ratio Lower Upper

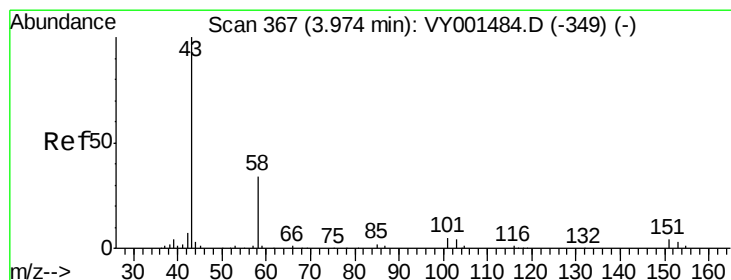
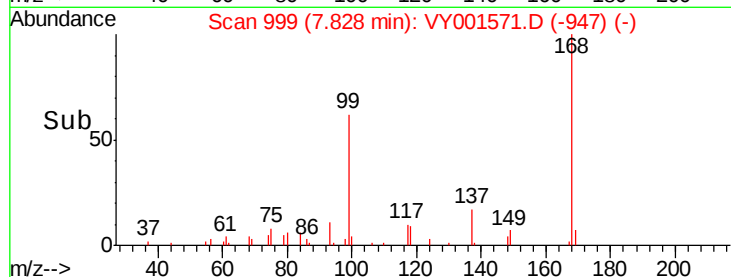
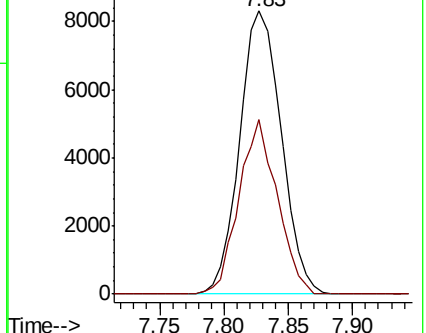
168 100

99 61.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001571.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001571.D (-947) (-)



#16

Acetone

Concen: 7.747 ug/l

RT: 4.00 min Scan# 371

Delta R.T. 0.02 min

Lab File: VY001571.D

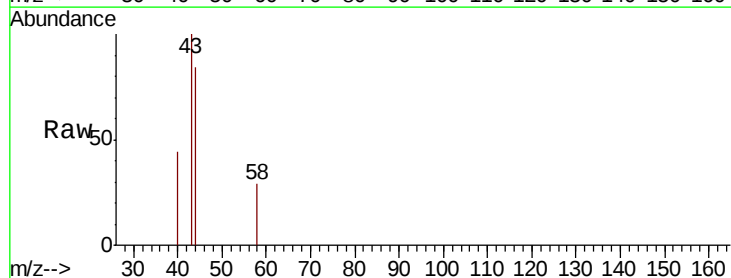
Acq: 07 Feb 2020 21:35

Tgt Ion: 43 Resp: 421

Ion Ratio Lower Upper

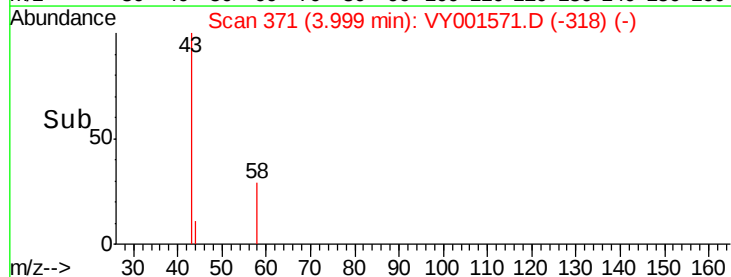
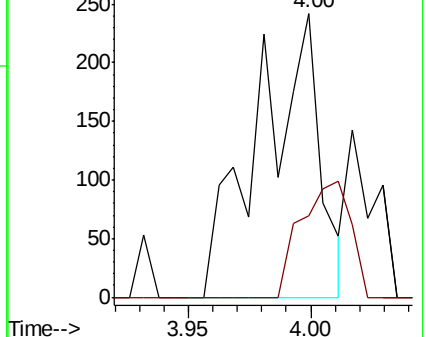
43 100

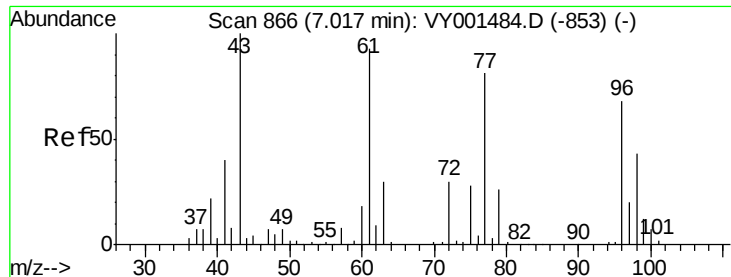
58 28.9 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY001571.D (-318) (-)

Ion 58.00 (57.70 to 58.70): VY001571.D (-318) (-)

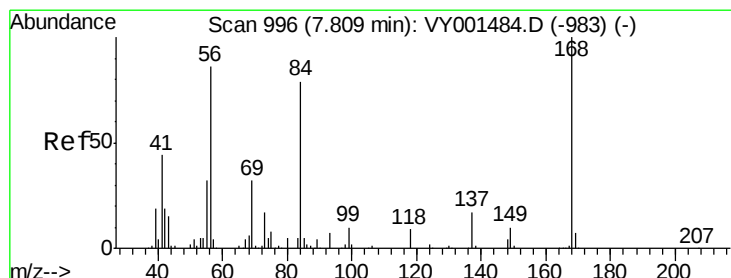
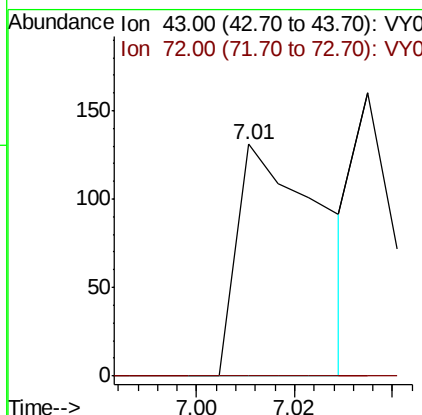
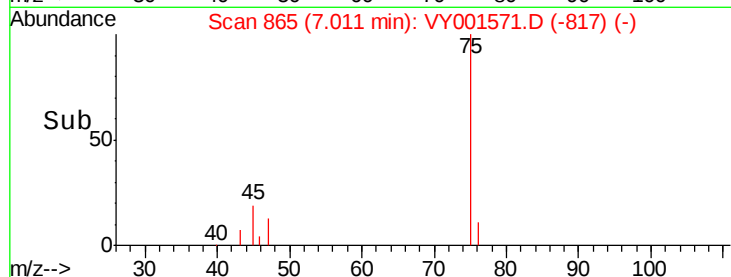
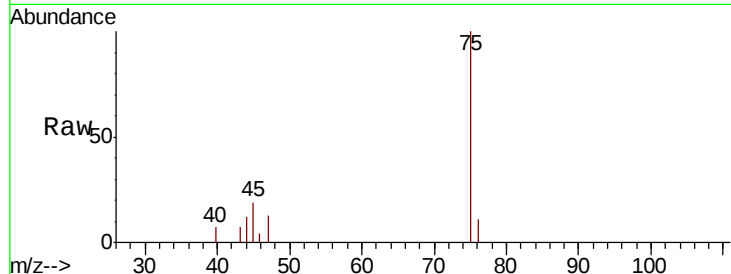




#25
2-Butanone
Concen: 2.241 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001571.D
Acq: 07 Feb 2020 21:35

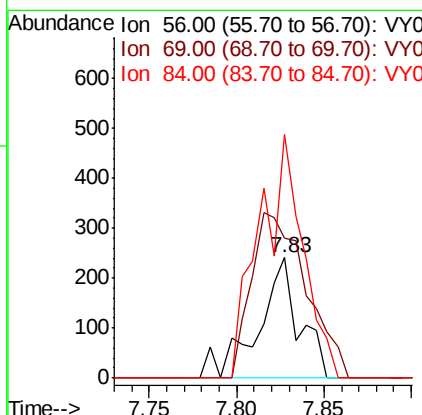
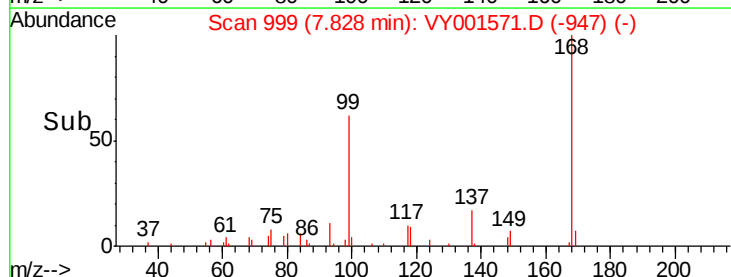
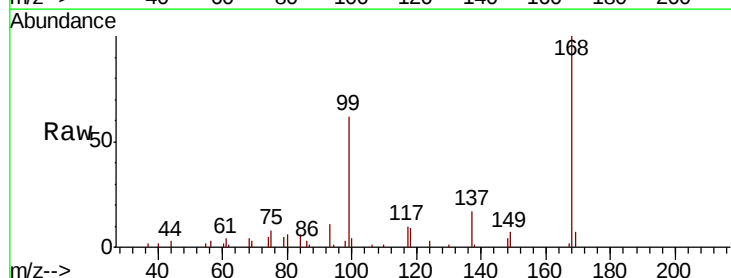
Instrument :
MSVOA_Y
ClientSampleId :

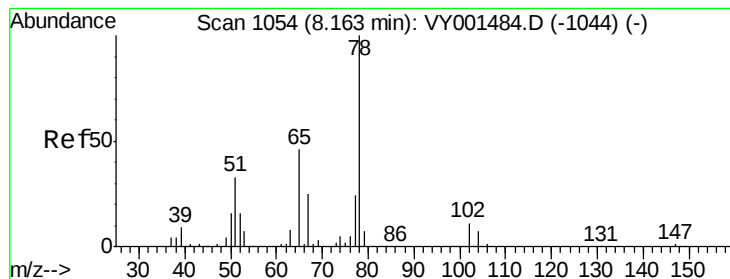
Tot Ion: 43 Resp: 158
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.8#



#31
Cyclohexane
Concen: 1.083 ug/l
RT: 7.83 min Scan# 999
Delta R.T. 0.02 min
Lab File: VY001571.D
Acq: 07 Feb 2020 21:35

Tgt Ion: 56 Resp: 396
Ion Ratio Lower Upper
56 100
69 116.6 29.6 44.4#
84 202.5 73.6 110.4#





#33

1,2-Dichloroethane-d4

Concen: 50.266 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001571.D

Acq: 07 Feb 2020 21:35

Instrument :

MSVOA_Y

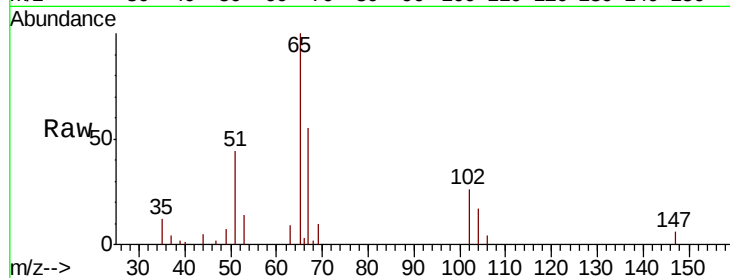
ClientSampleId :

Tot Ion: 65 Resp: 9443

Ion Ratio Lower Upper

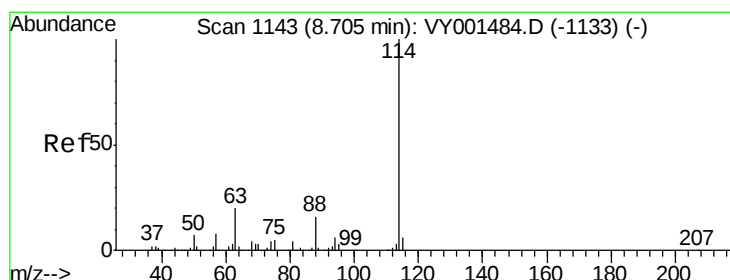
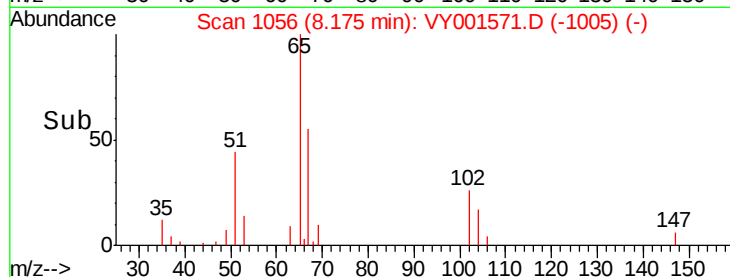
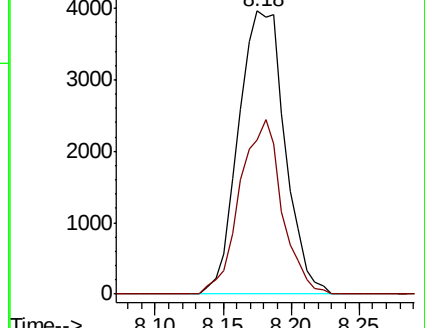
65 100

67 56.1 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY001484.D (-1044) (-)

Ion 66.90 (66.60 to 67.60): VY001484.D (-1044) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY001571.D

Acq: 07 Feb 2020 21:35

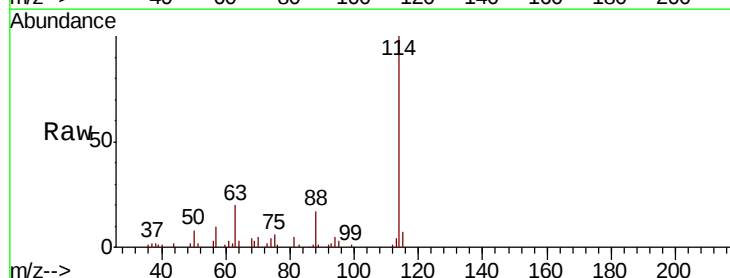
Tgt Ion: 114 Resp: 30770

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.8

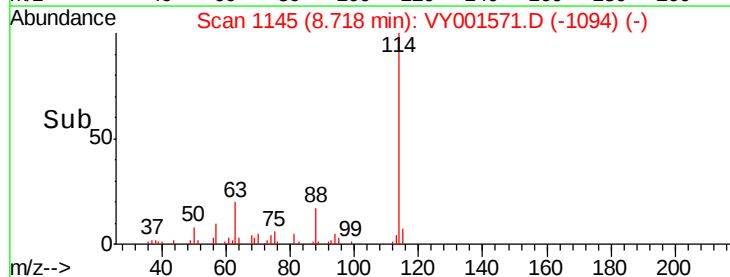
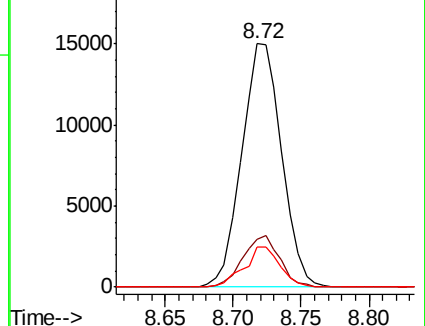
88 16.5 0.0 32.6

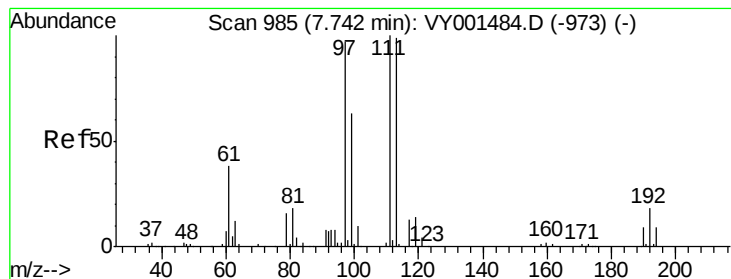


Abundance Ion 113.90 (113.60 to 114.60): VY001484.D (-1133) (-)

Ion 63.00 (62.70 to 63.70): VY001484.D (-1133) (-)

Ion 87.90 (87.60 to 88.60): VY001484.D (-1133) (-)





#35

Dibromofluoromethane

Concen: 48.457 ug/l

RT: 7.76 min Scan# 988

Delta R.T. 0.02 min

Lab File: VY001571.D

Acq: 07 Feb 2020 21:35

Instrument :

MSVOA_Y

ClientSampleId :

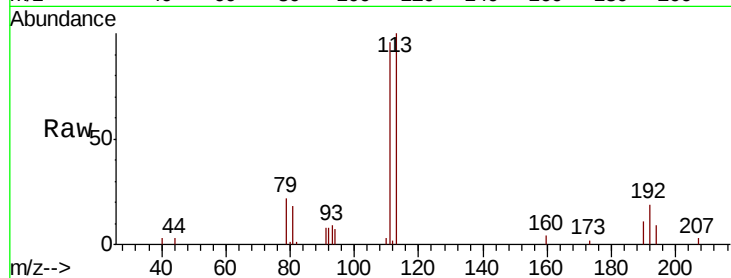
Tot Ion:113 Resp: 8598

Ion Ratio Lower Upper

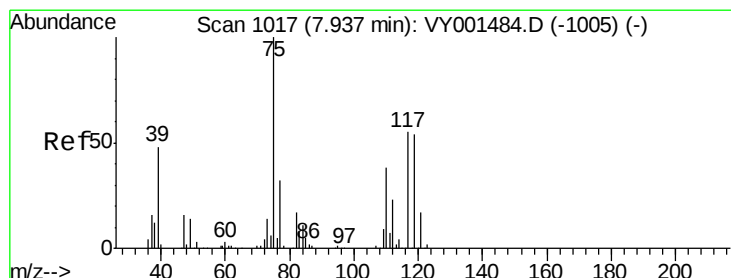
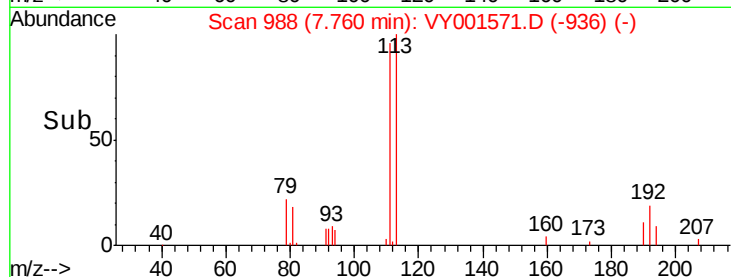
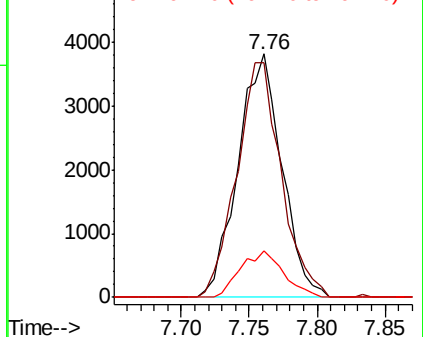
113 100

111 98.0 82.9 124.3

192 18.7 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: 5.155 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.12 min

Lab File: VY001571.D

Acq: 07 Feb 2020 21:35

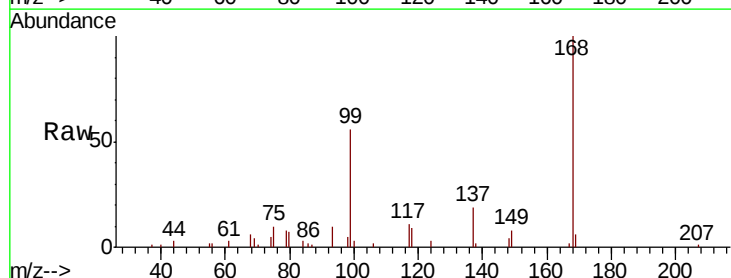
Tgt Ion: 75 Resp: 1451

Ion Ratio Lower Upper

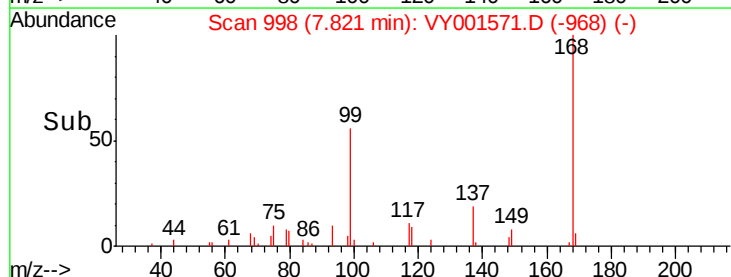
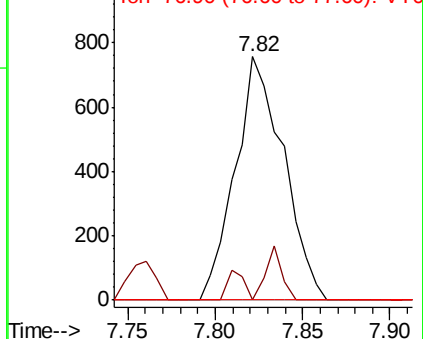
75 100

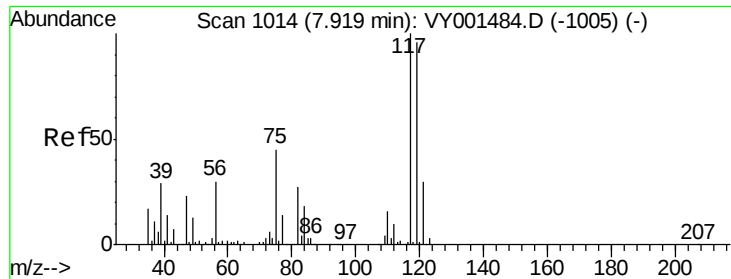
110 7.3 18.2 54.6#

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





#38

Carbon Tetrachloride

Concen: 7.142 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY001571.D

Acq: 07 Feb 2020 21:35

Instrument :

MSVOA_Y

ClientSampleId :

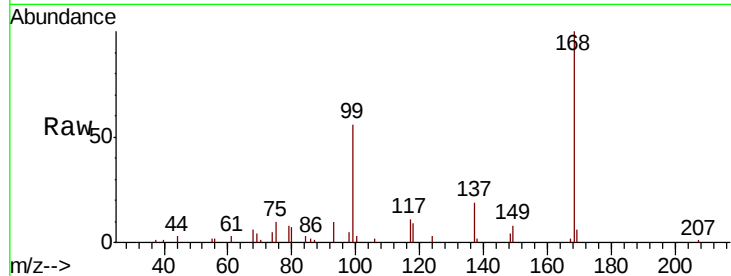
Tot Ion:117 Resp: 1945

Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

121 0.0 24.2 36.4#

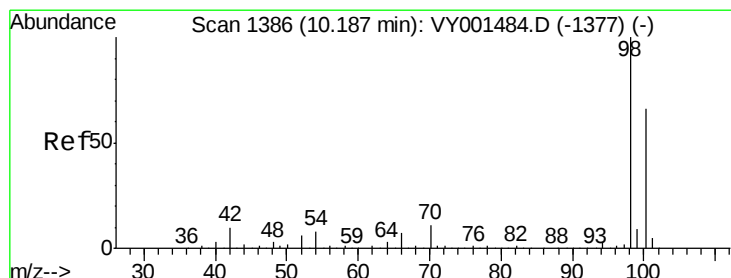
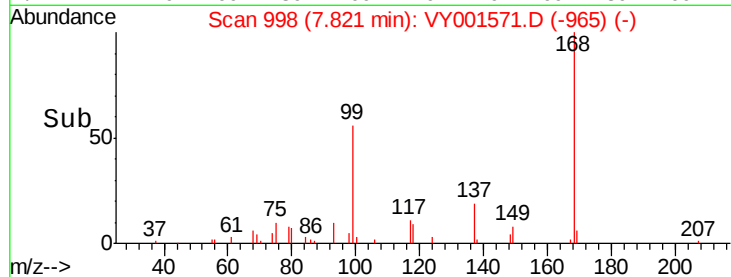
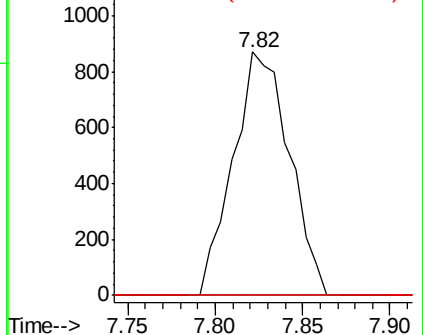


Abundance

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: 52.826 ug/l

RT: 10.21 min Scan# 1389

Delta R.T. 0.02 min

Lab File: VY001571.D

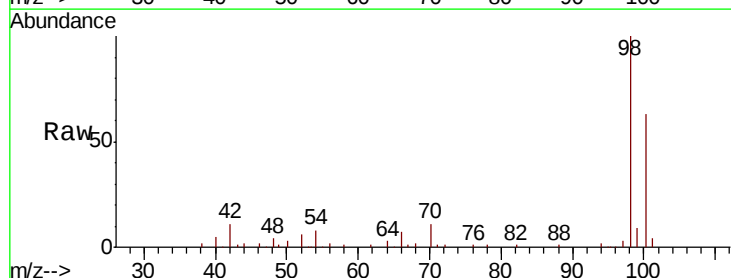
Acq: 07 Feb 2020 21:35

Tgt Ion: 98 Resp: 35463

Ion Ratio Lower Upper

98 100

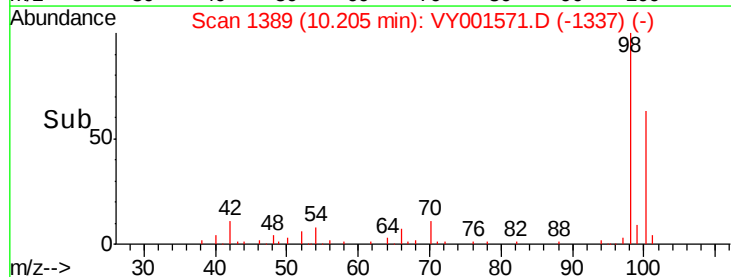
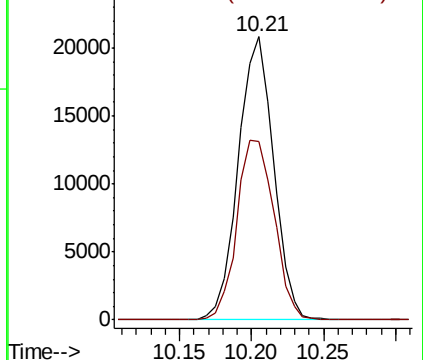
100 67.0 53.0 79.6

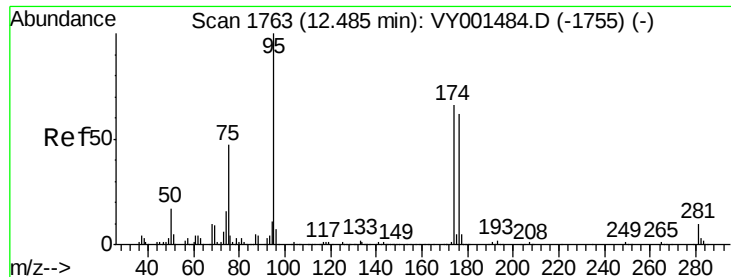


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

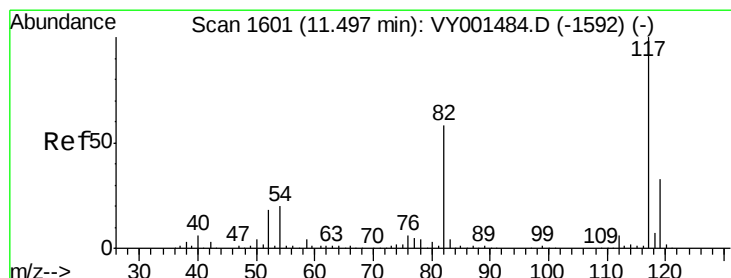
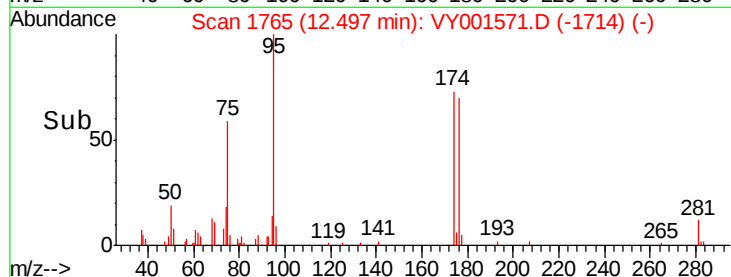
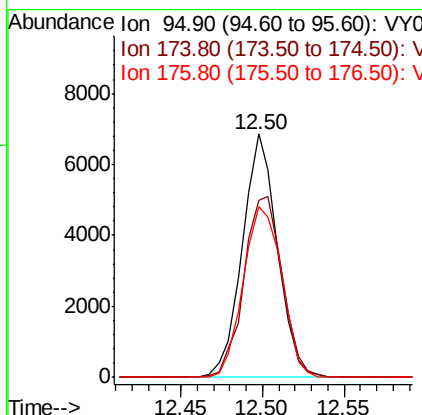
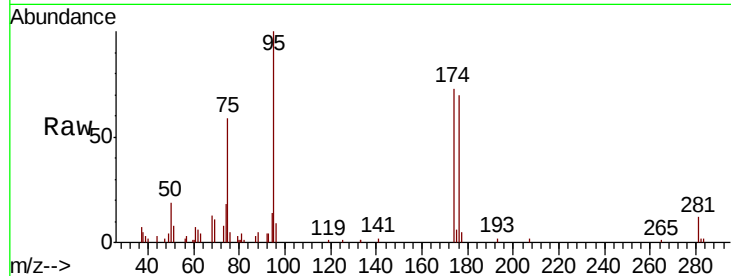




#62
4-Bromofluorobenzene
Concen: 38.762 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY001571.D
Acq: 07 Feb 2020 21:35

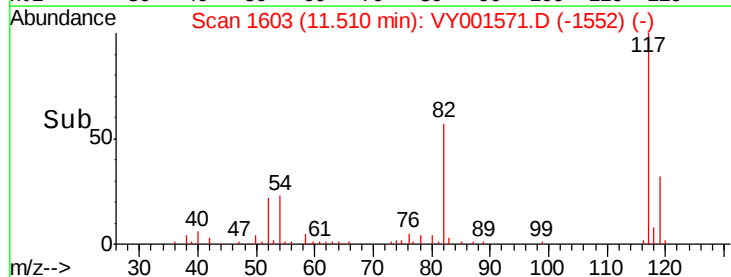
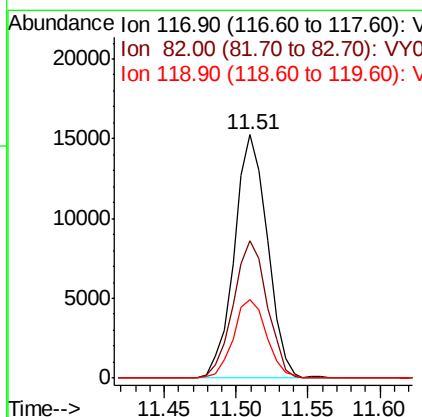
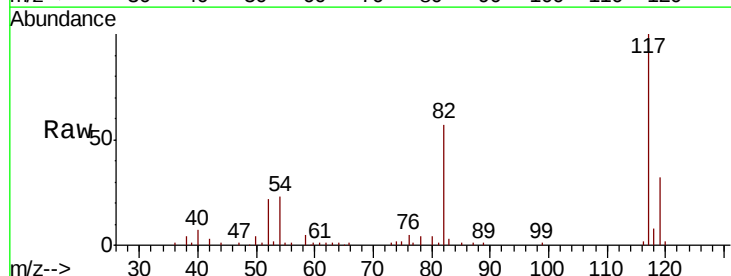
Instrument :
MSVOA_Y
ClientSampleId :

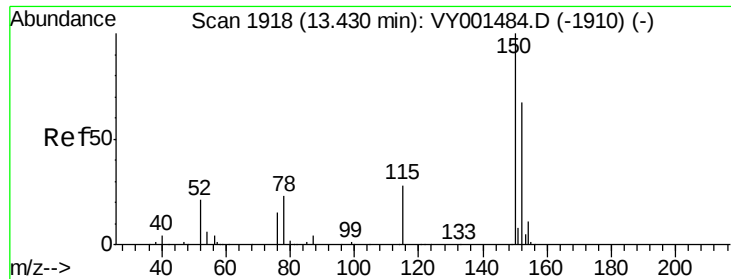
Tot Ion: 95 Resp: 10251
Ion Ratio Lower Upper
95 100
174 81.5 0.0 141.4
176 77.2 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY001571.D
Acq: 07 Feb 2020 21:35

Tgt Ion: 117 Resp: 24392
Ion Ratio Lower Upper
117 100
82 56.6 46.1 69.1
119 32.3 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.01 min

Lab File: VY001571.D

Acq: 07 Feb 2020 21:35

Instrument :

MSVOA_Y

ClientSampled :

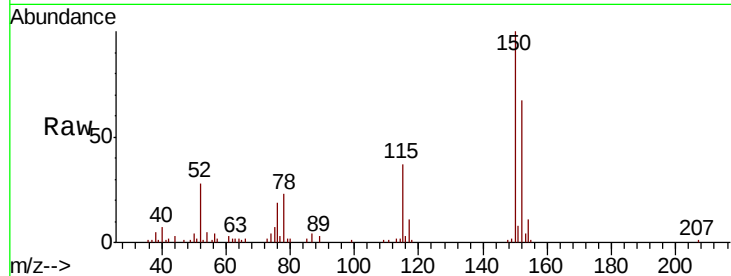
Tot Ion:152 Resp: 10815

Ion Ratio Lower Upper

152 100

115 60.4 31.4 94.3

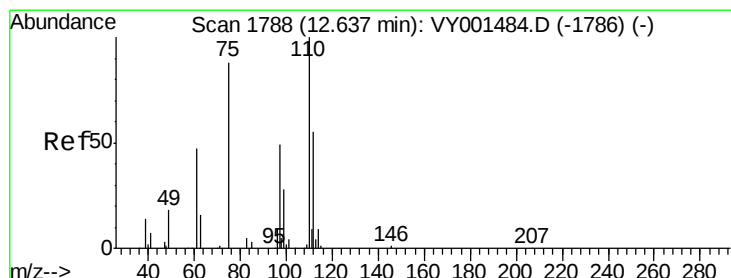
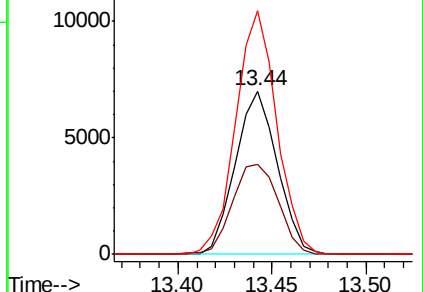
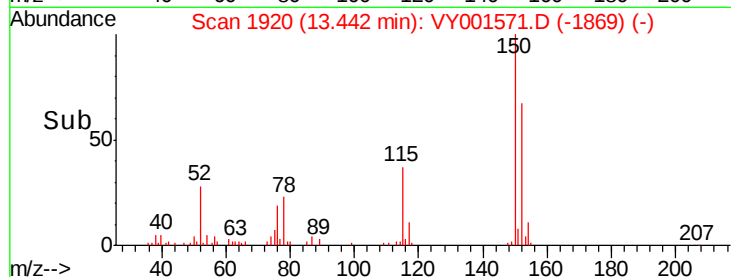
150 146.0 0.0 346.8



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: 49.422 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.14 min

Lab File: VY001571.D

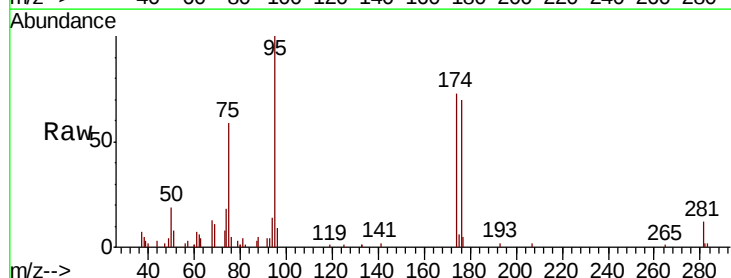
Acq: 07 Feb 2020 21:35

Tgt Ion: 75 Resp: 5748

Ion Ratio Lower Upper

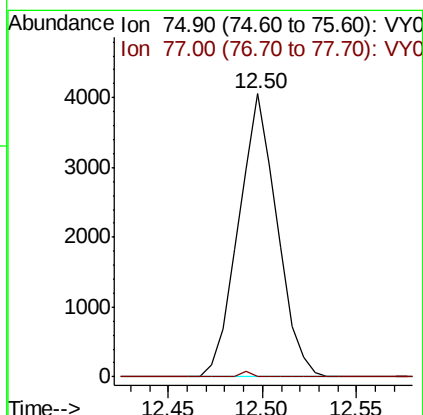
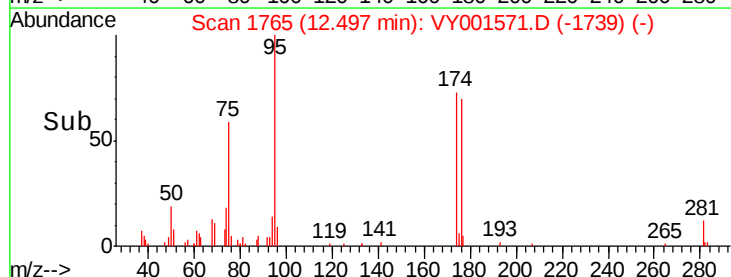
75 100

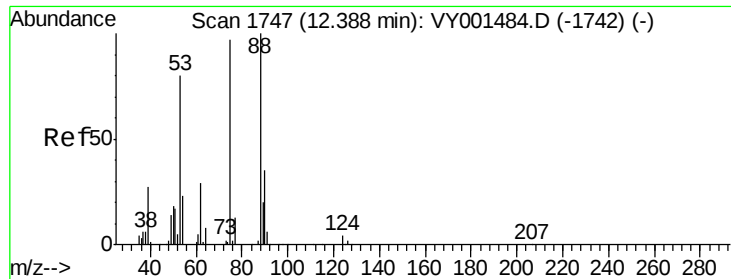
77 0.5 0.0 0.0#



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: 95.629 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY001571.D

Acq: 07 Feb 2020 21:35

Instrument :

MSVOA_Y

ClientSampled :

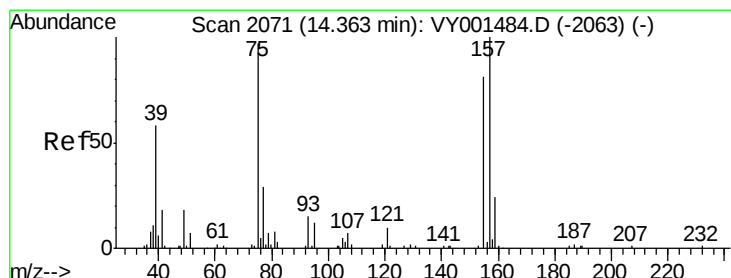
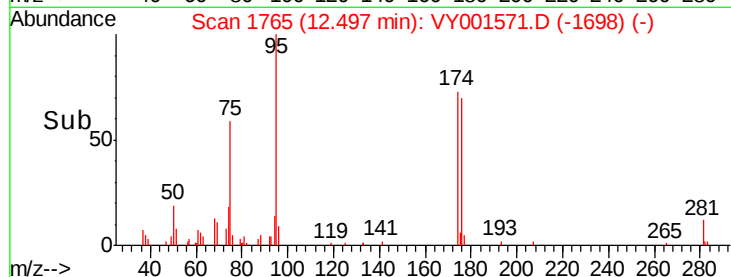
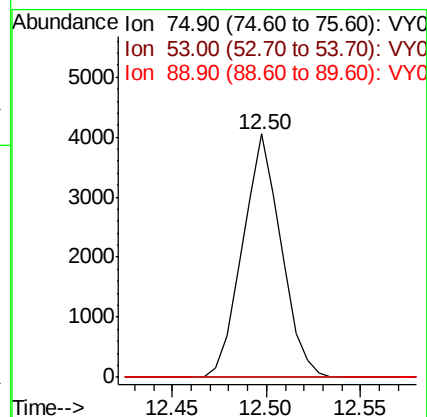
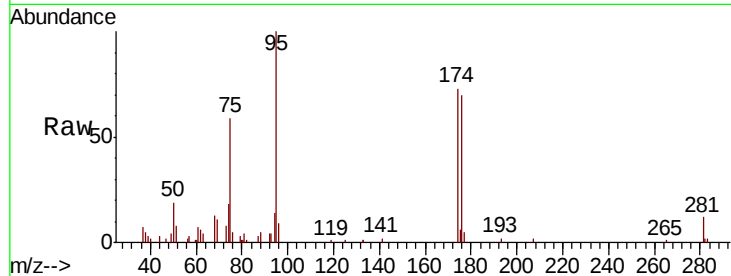
Tot Ion: 75 Resp: 5748

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 34.6 52.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.555 ug/l

RT: 14.34 min Scan# 2067

Delta R.T. -0.02 min

Lab File: VY001571.D

Acq: 07 Feb 2020 21:35

Tgt Ion: 75 Resp: 45

Ion Ratio Lower Upper

75 100

155 0.0 40.7 122.1#

157 0.0 52.3 157.1#

