

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
 Data File : VY001300.D
 Acq On : 20 Jan 2020 16:55
 Operator : SY/MD
 Sample : L1164-02
 Misc : 7.10G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 21 07:03:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 21 06:54:04 2020
 Response via : Initial Calibration

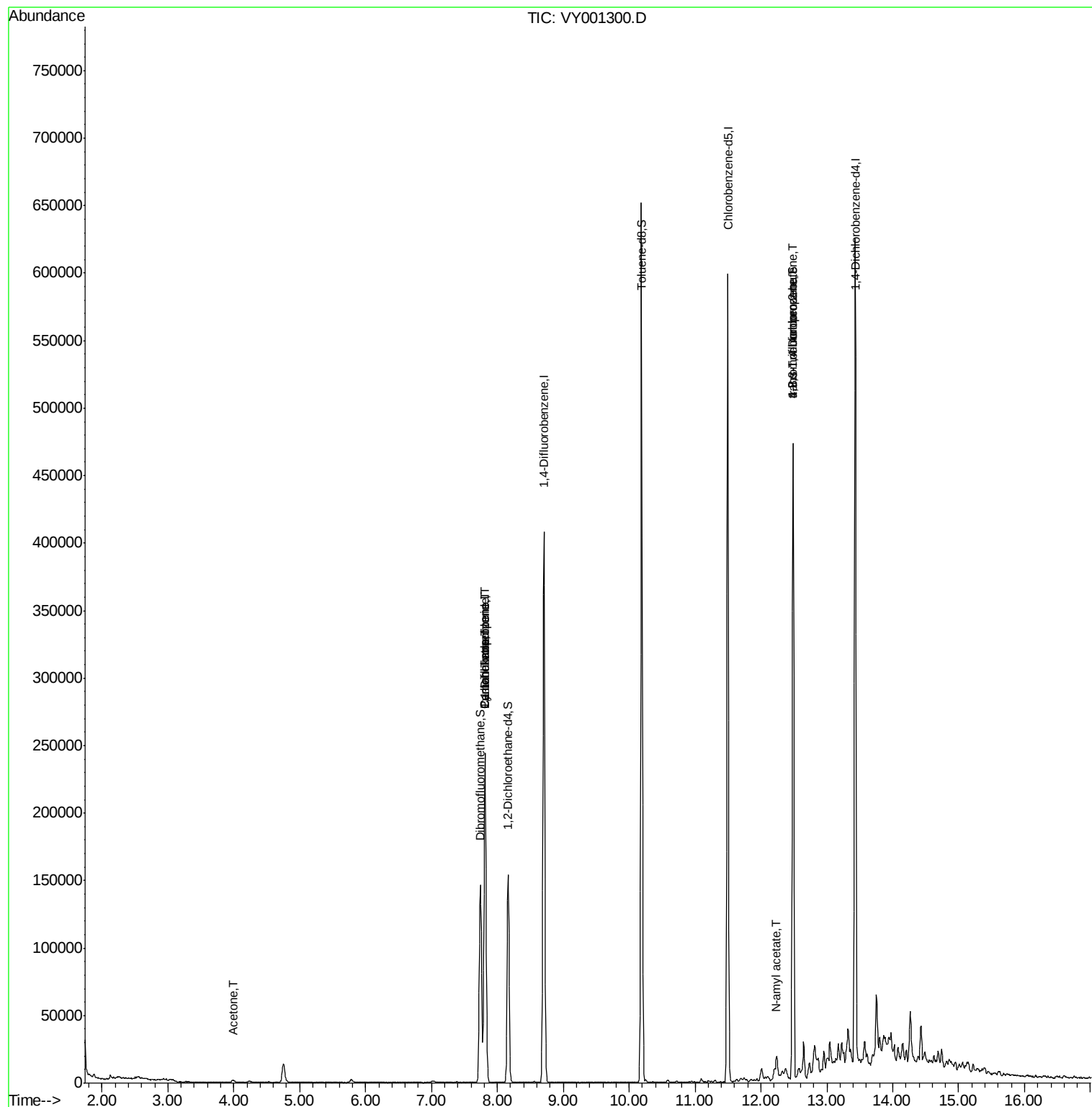
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	191570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	349837	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	324724	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	150585	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	113448	56.07	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	112.14%	
35) Dibromofluoromethane	7.74	113	104897	51.21	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.42%	
50) Toluene-d8	10.19	98	416738	52.80	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	105.60%	
62) 4-Bromofluorobenzene	12.49	95	157074	48.68	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	97.36%	
Target Compounds						
					Qvalue	
16) Acetone	3.99	43	3250	6.916	ug/l #	83
20) Methylene Chloride	4.75	84	10517	Below Cal		94
31) Cyclohexane	7.82	56	4219	1.078	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	14517	4.553	ug/l #	48
38) Carbon Tetrachloride	7.82	117	18703	6.400	ug/l #	14
74) N-amyl acetate	12.24	43	5378	1.522	ug/l #	59
76) 1,2,3-Trichloropropane	12.49	75	77590	48.132	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	77590	81.621	ug/l #	6

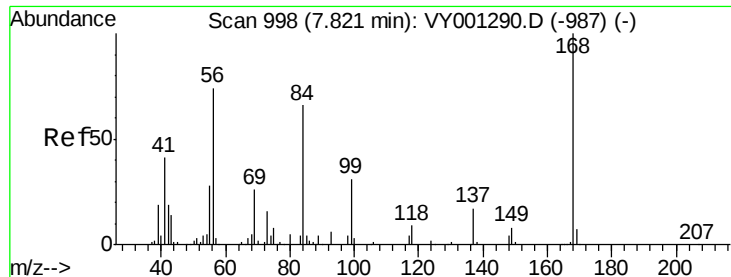
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 21 06:54:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY001300.D

Acq: 20 Jan 2020 16:55

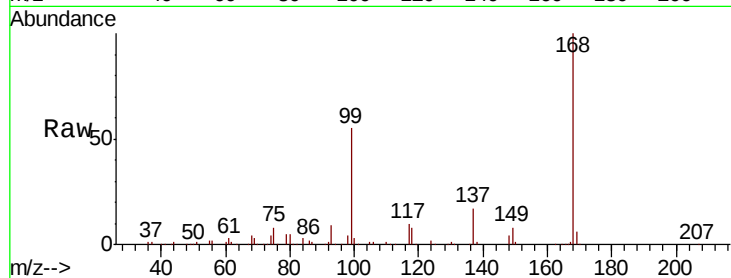
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 191570

Ion Ratio Lower Upper

168 100

99 55.0 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001290.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001290.D (-987) (-)

7.82

80000

60000

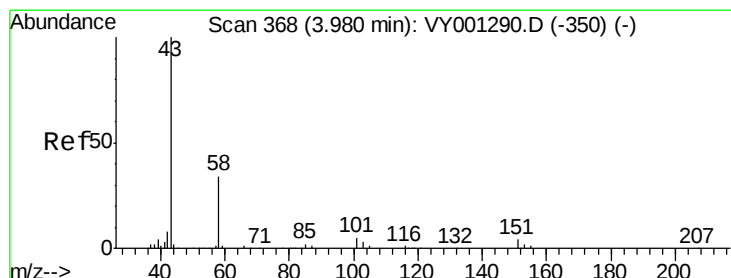
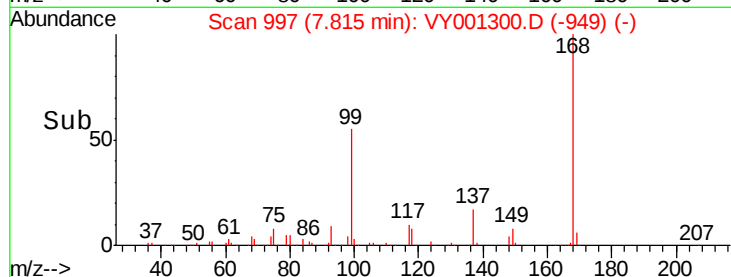
40000

20000

0

Time-->

7.70 7.80 7.90



#16

Acetone

Concen: 6.916 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001300.D

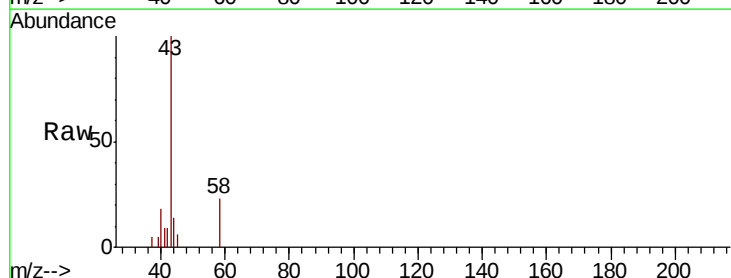
Acq: 20 Jan 2020 16:55

Tgt Ion: 43 Resp: 3250

Ion Ratio Lower Upper

43 100

58 22.7 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY001290.D (-350) (-)

Ion 58.00 (57.70 to 58.70): VY001290.D (-350) (-)

3.99

1500

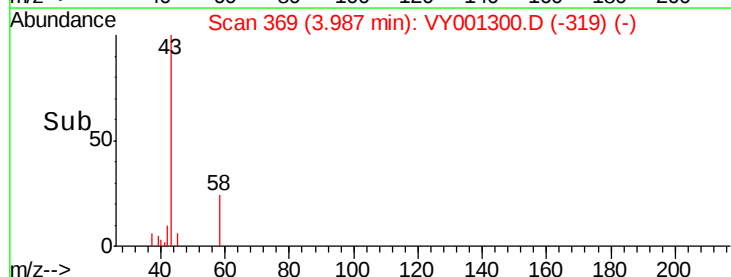
1000

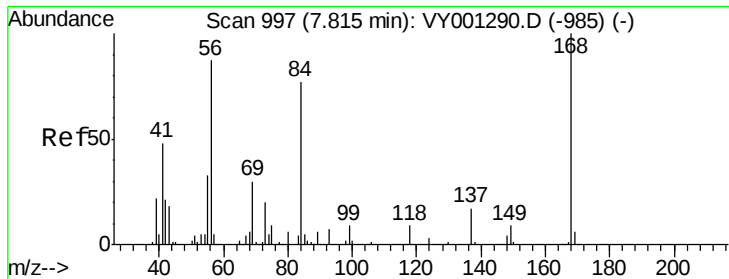
500

0

Time-->

3.90 3.95 4.00 4.05





#31

Cyclohexane

Concen: 1.078 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001300.D

Acq: 20 Jan 2020 16:55

Instrument :
MSVOA_Y
ClientSampled :

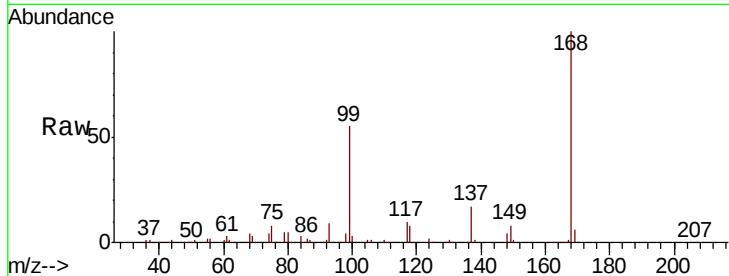
Tot Ion: 56 Resp: 4219

Ion Ratio Lower Upper

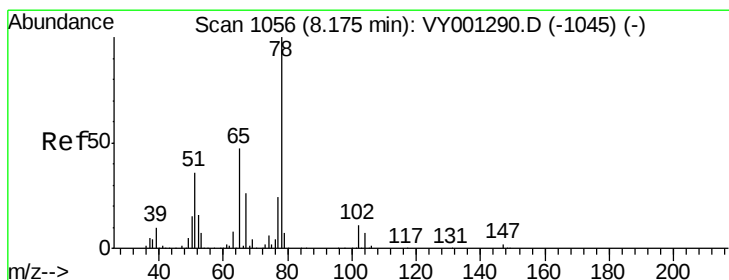
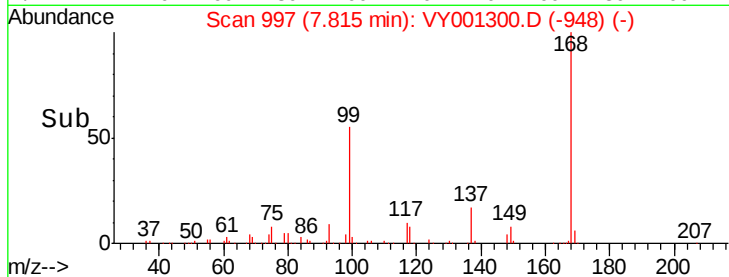
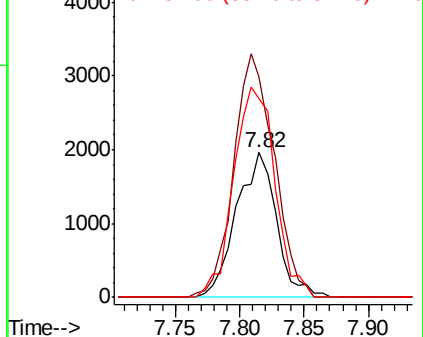
56 100

69 153.0 27.8 41.8#

84 138.0 68.9 103.3#



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: 56.070 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001300.D

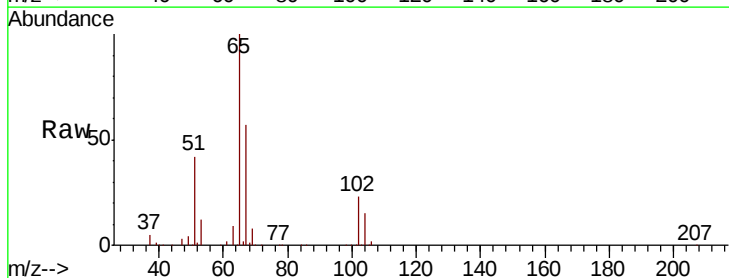
Acq: 20 Jan 2020 16:55

Tgt Ion: 65 Resp: 113448

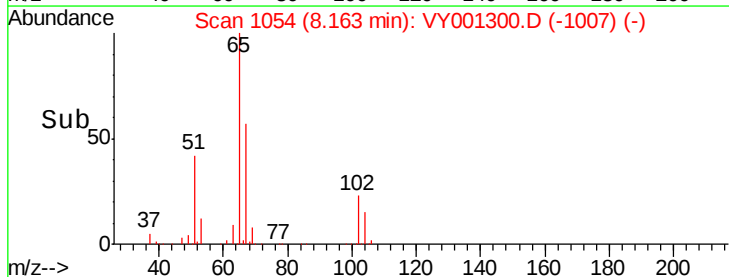
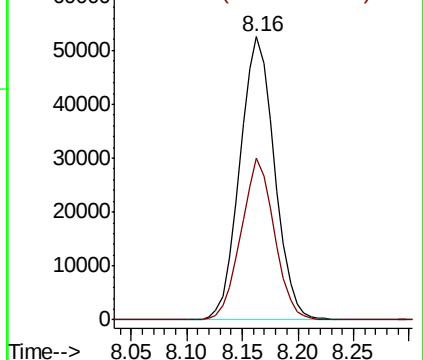
Ion Ratio Lower Upper

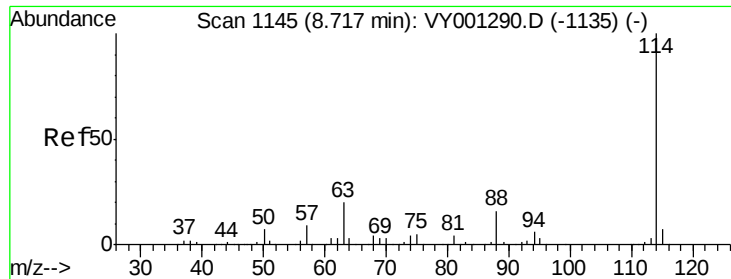
65 100

67 54.8 0.0 105.2



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# 1143

Delta R.T. -0.01 min

Lab File: VY001300.D

Acq: 20 Jan 2020 16:55

Instrument :

MSVOA_Y

ClientSampleId :

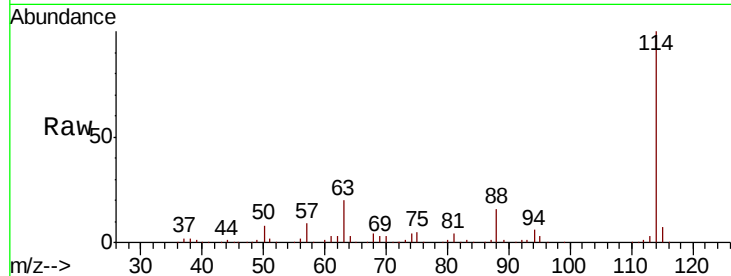
Tot Ion:114 Resp: 349837

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

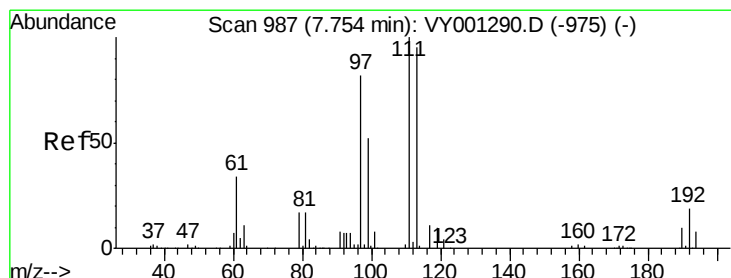
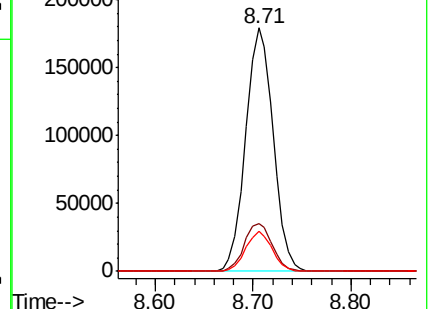
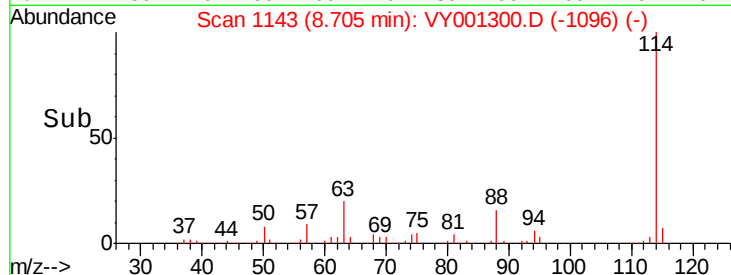
88 16.5 0.0 32.4



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



#35

Dibromofluoromethane

Concen: 51.212 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001300.D

Acq: 20 Jan 2020 16:55

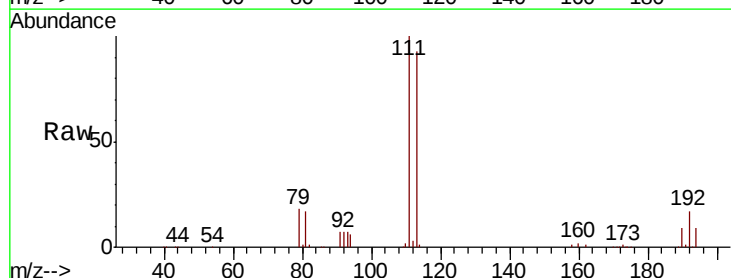
Tgt Ion:113 Resp: 104897

Ion Ratio Lower Upper

113 100

111 101.8 82.9 124.3

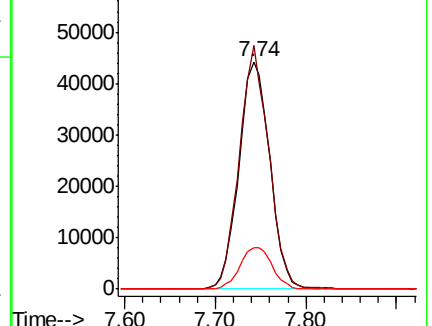
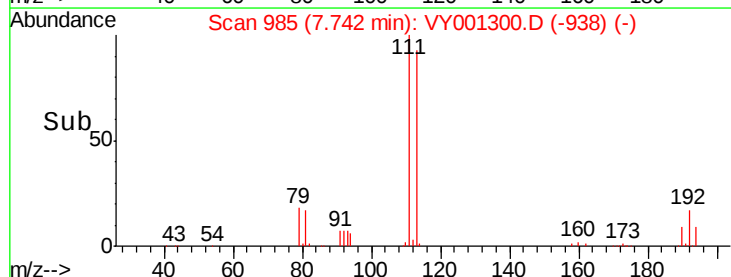
192 18.9 15.4 23.2

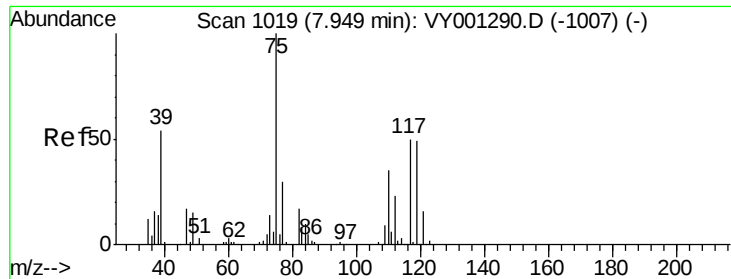


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

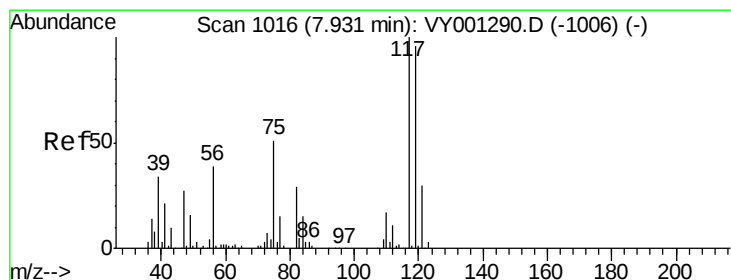
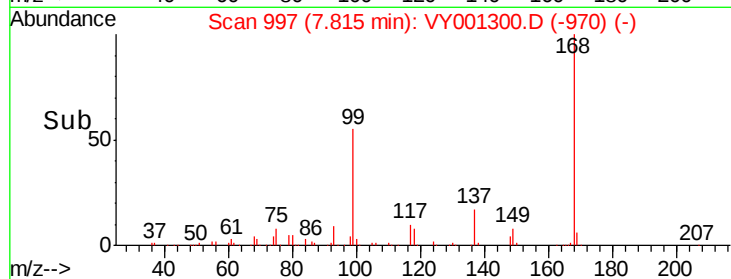
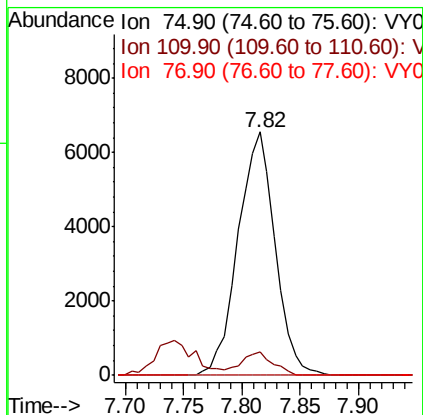
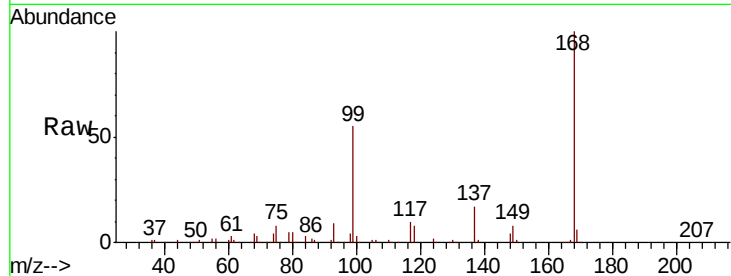




#36
 1,1-Dichloropropene
 Concen: 4.553 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001300.D
 Acq: 20 Jan 2020 16:55

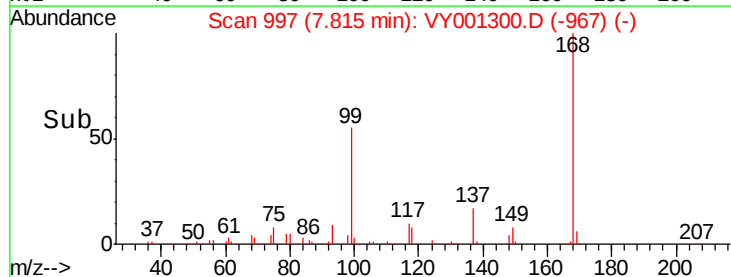
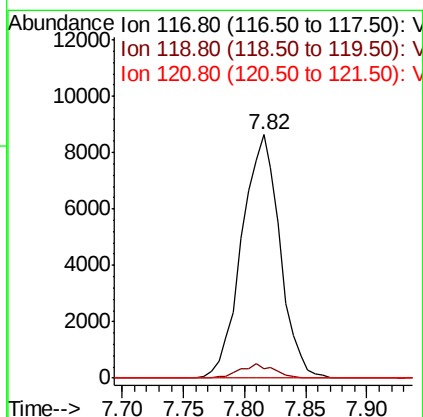
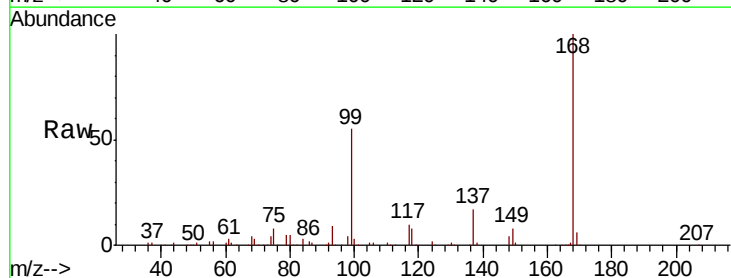
Instrument :
 MSVOA_Y
 ClientSampleId :

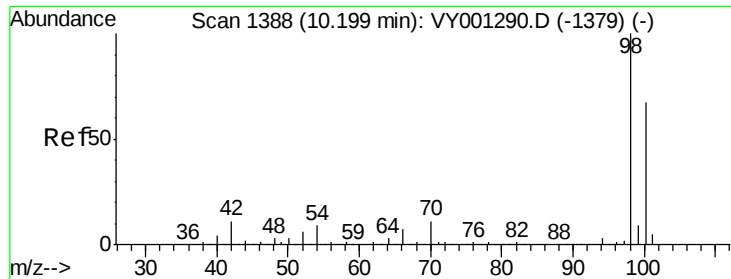
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.3	54.8#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.400 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY001300.D
 Acq: 20 Jan 2020 16:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.7	78.3	117.5#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 52.803 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001300.D

Acq: 20 Jan 2020 16:55

Instrument :

MSVOA_Y

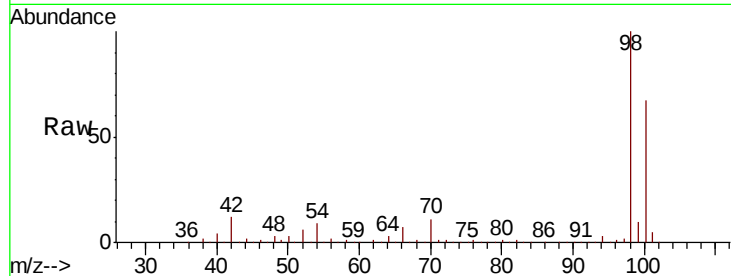
ClientSampleId :

Tot Ion: 98 Resp: 416738

Ion Ratio Lower Upper

98 100

100 66.2 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY001290.D (-1379) (-)

Ion 100.00 (99.70 to 100.70): VY001300.D (-1339) (-)

10.19

250000

200000

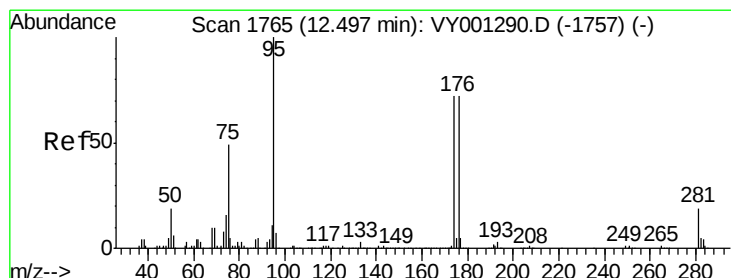
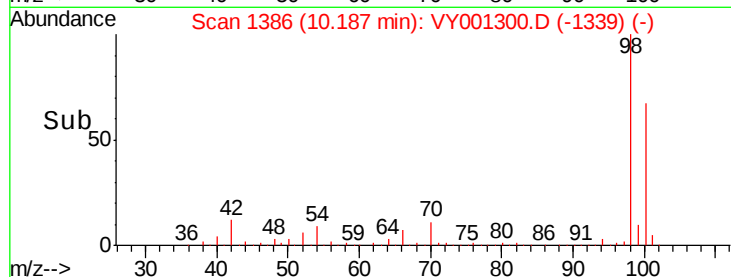
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.680 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001300.D

Acq: 20 Jan 2020 16:55

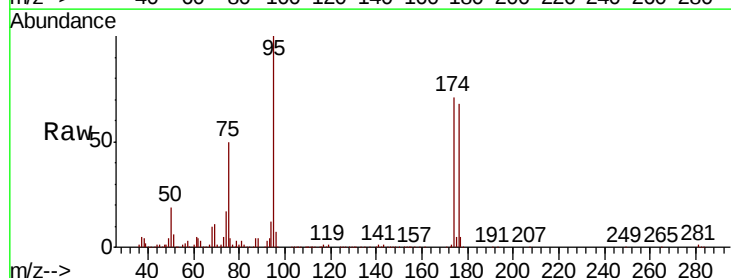
Tgt Ion: 95 Resp: 157074

Ion Ratio Lower Upper

95 100

174 74.3 0.0 143.2

176 70.9 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VY001290.D (-1757) (-)

Ion 173.80 (173.50 to 174.50): VY001300.D (-1716) (-)

Ion 175.80 (175.50 to 176.50): VY001300.D (-1716) (-)

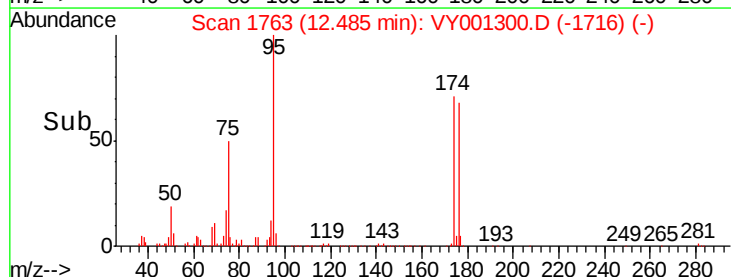
12.49

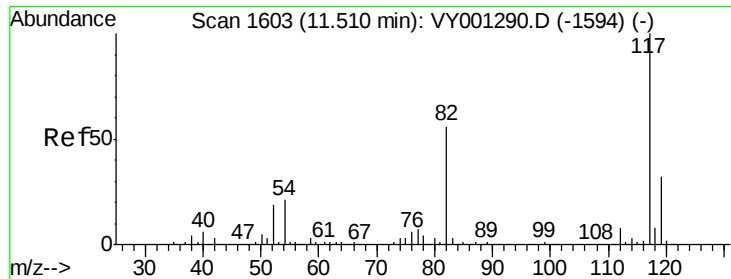
100000

50000

0

Time-->

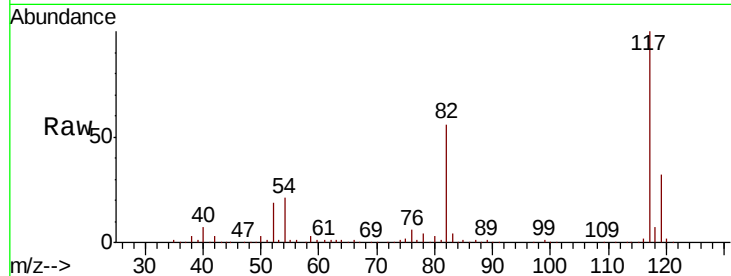




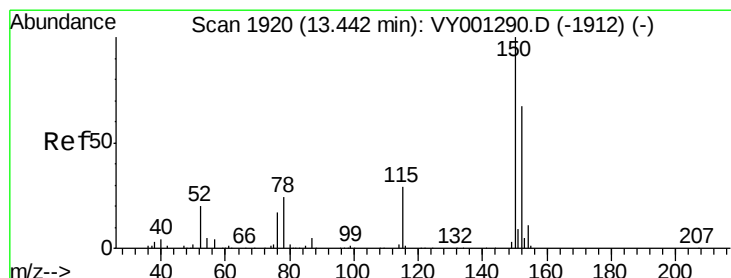
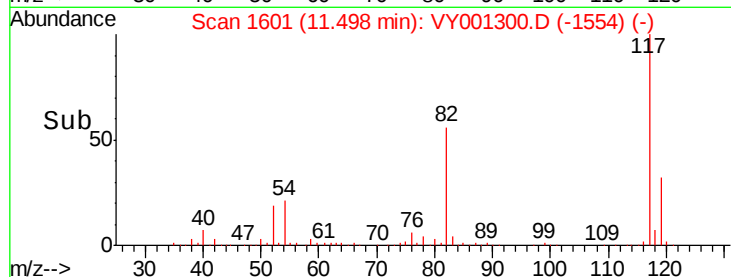
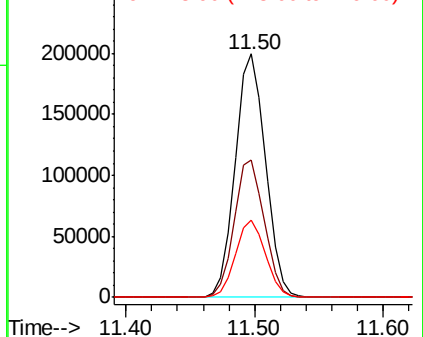
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001300.D
Acq: 20 Jan 2020 16:55

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 324724
Ion Ratio Lower Upper
117 100
82 56.3 44.9 67.3
119 31.7 25.7 38.5

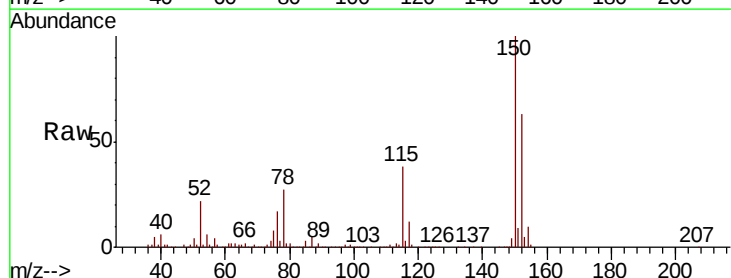


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

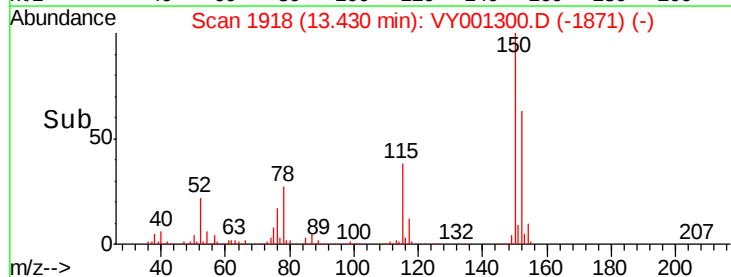
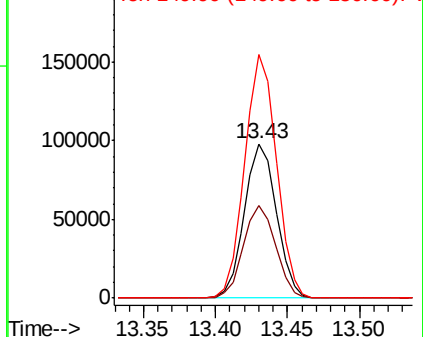


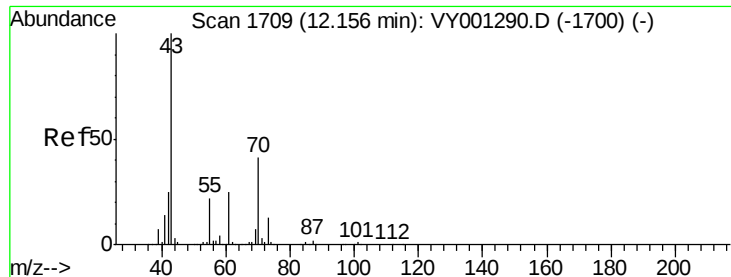
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001300.D
Acq: 20 Jan 2020 16:55

Tgt Ion:152 Resp: 150585
Ion Ratio Lower Upper
152 100
115 60.2 30.9 92.5
150 156.7 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





#74

N-amvl acetate

Concen: 1.522 ug/l

RT: 12.24 min Scan# 1723

Delta R.T. 0.09 min

Lab File: VY001300.D

Acq: 20 Jan 2020 16:55

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 43 Resp: 5378

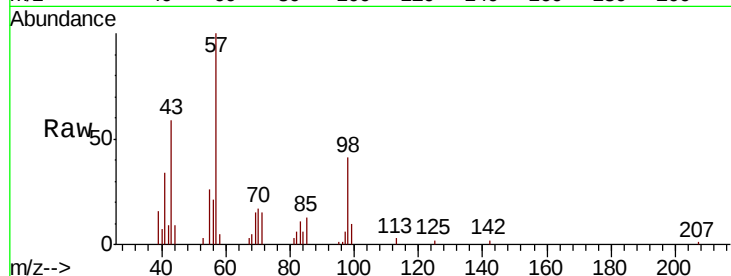
Ion Ratio Lower Upper

43 100

70 27.9 35.0 52.6#

55 52.7 18.4 27.6#

61 0.0 20.1 30.1#

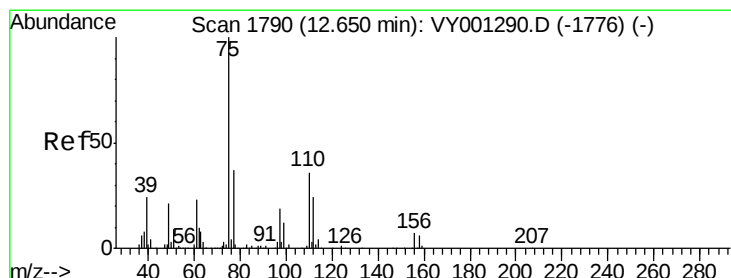
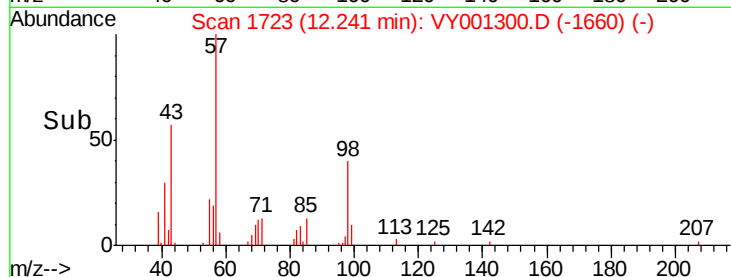
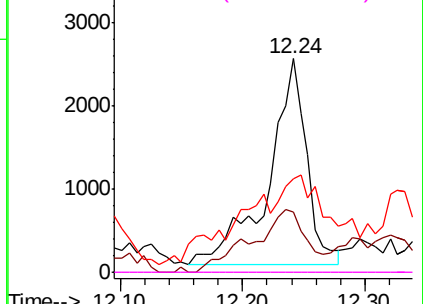


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0



#76

1,2,3-Trichloropropane

Concen: 48.132 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001300.D

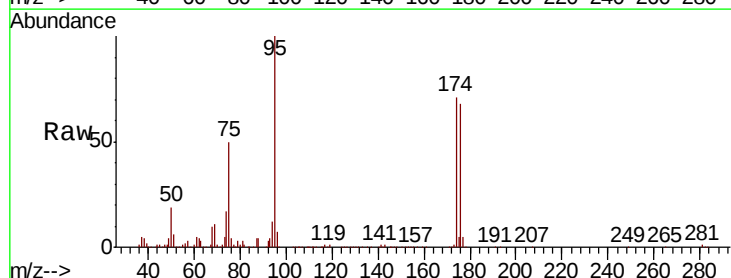
Acq: 20 Jan 2020 16:55

Tgt Ion: 75 Resp: 77590

Ion Ratio Lower Upper

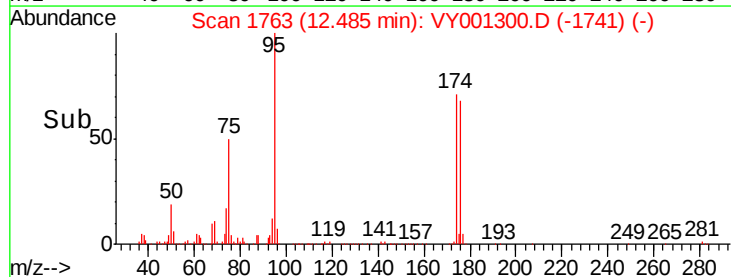
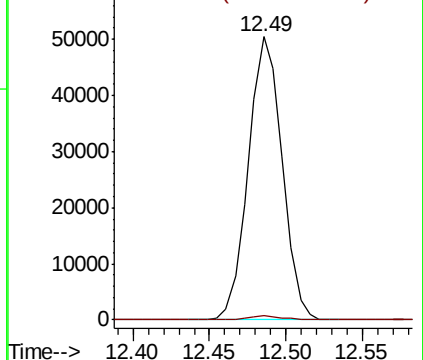
75 100

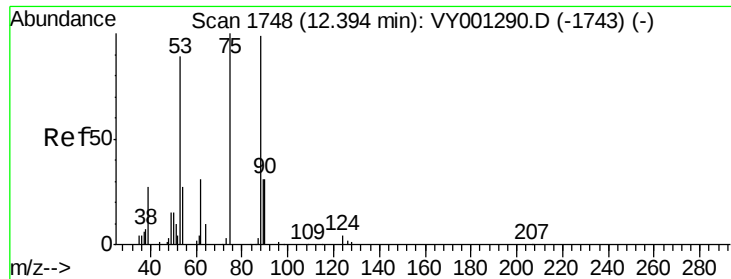
77 1.4 0.0 0.0#



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: 81.621 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.09 min

Lab File: VY001300.D

Acq: 20 Jan 2020 16:55

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 77590

Ion Ratio Lower Upper

75 100

53 0.4 69.4 104.2#

89 0.0 0.0 0.0

