

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002471.D
 Acq On : 23 Apr 2020 19:38
 Operator : SY/MD
 Sample : L2359-02
 Misc : 6.54G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 24 01:34:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

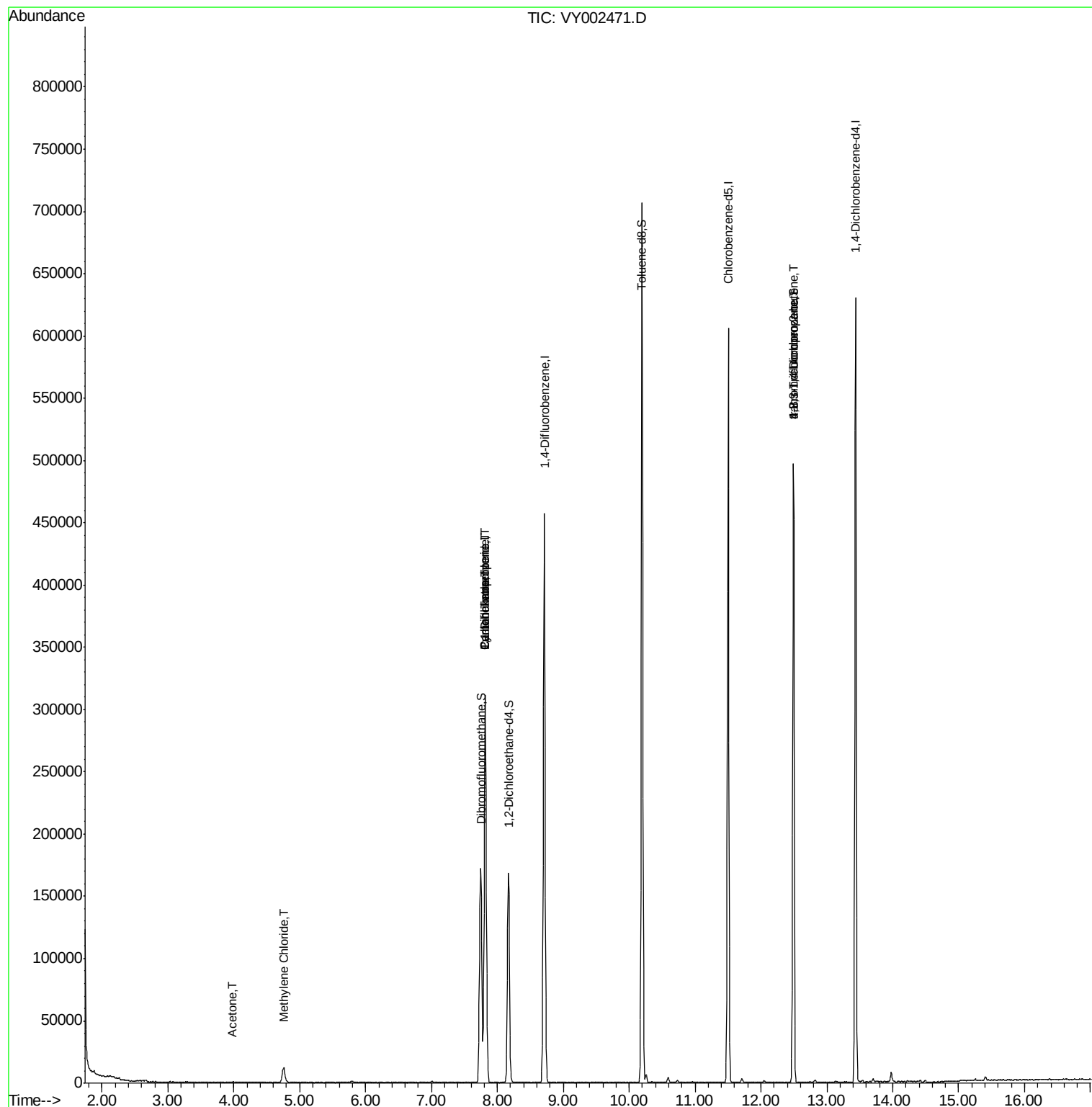
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	256028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	402711	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	355542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	170553	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	129510	57.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.74%	
35) Dibromofluoromethane	7.75	113	119601	52.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.30%	
50) Toluene-d8	10.19	98	472607	51.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.49	95	143443	46.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.64%	
Target Compounds						
16) Acetone	3.98	43	893	1.910	ug/l #	74
20) Methylene Chloride	4.75	84	9612	3.600	ug/l	97
31) Cyclohexane	7.81	56	4031	1.046	ug/l #	15
36) 1,1-Dichloropropene	7.82	75	16440	4.761	ug/l #	50
38) Carbon Tetrachloride	7.82	117	23645	5.955	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	74128	51.281	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	74128	94.894	ug/l #	15

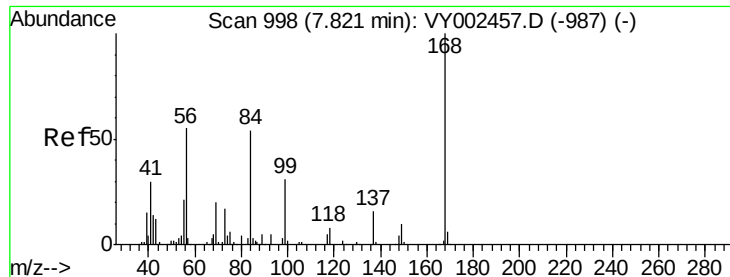
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY002471.D

Acq: 23 Apr 2020 19:38

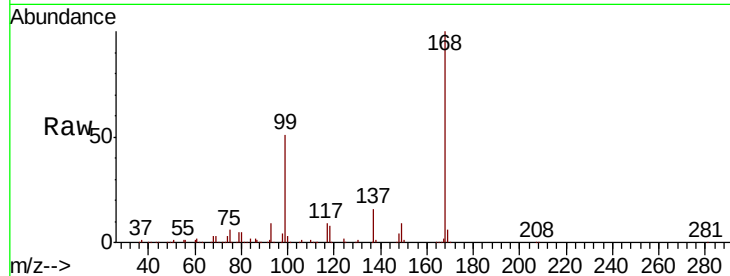
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 256028

Ion Ratio Lower Upper

168 100

99 50.6 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): VY002457.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY002457.D (-987) (-)

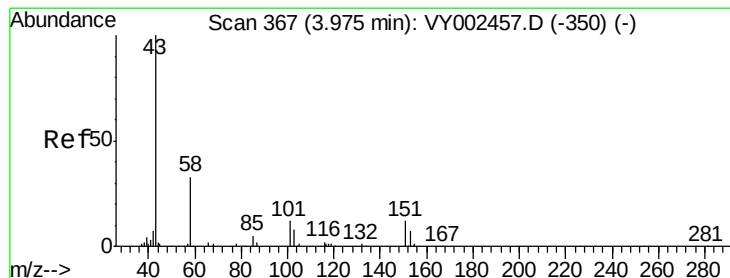
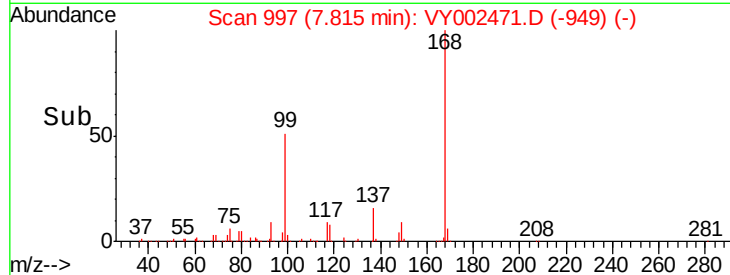
7.82

100000

50000

0

Time-->



#16

Acetone

Concen: 1.910 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY002471.D

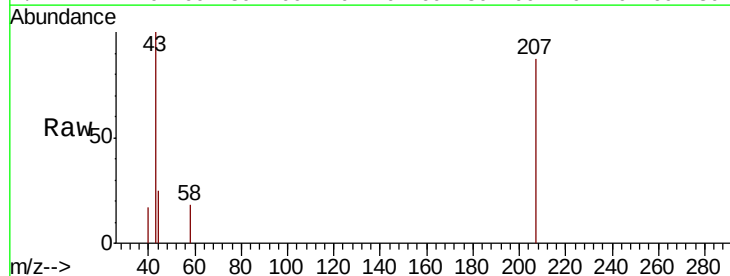
Acq: 23 Apr 2020 19:38

Tgt Ion: 43 Resp: 893

Ion Ratio Lower Upper

43 100

58 18.3 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VY002457.D (-350) (-)

Ion 58.00 (57.70 to 58.70): VY002457.D (-350) (-)

3.98

500

400

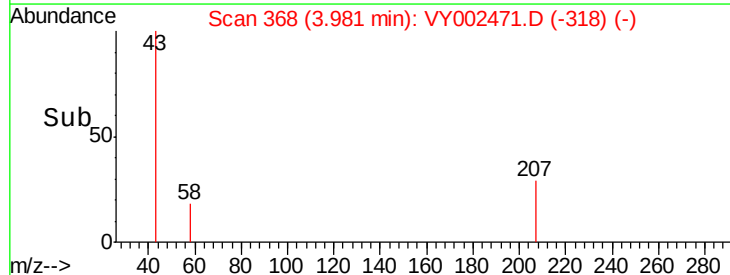
300

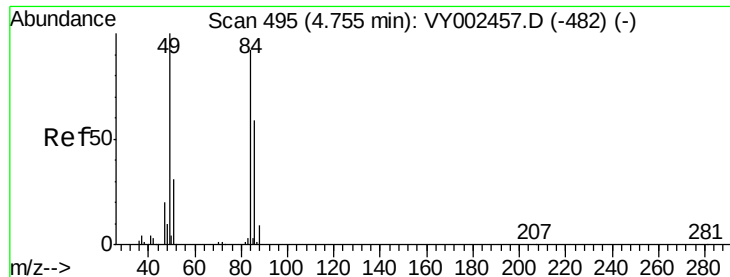
200

100

0

Time-->





#20

Methylene Chloride

Concen: 3.600 ug/l

RT: 4.75 min Scan# 495

Delta R.T. 0.00 min

Lab File: VY002471.D

Acq: 23 Apr 2020 19:38

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 84 Resp: 9612

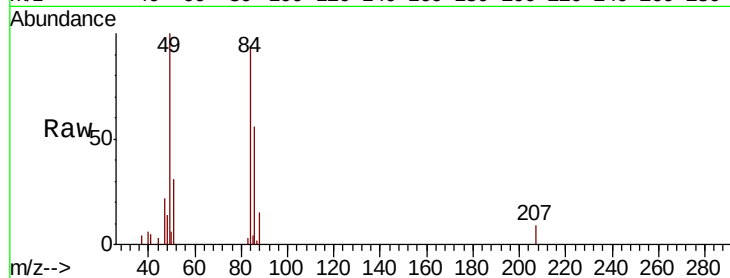
Ion	Ratio	Lower	Upper
84	100		
49	106.4	86.9	130.3
51	33.5	27.3	40.9
86	59.7	51.0	76.6

84 100

49 106.4 86.9 130.3

51 33.5 27.3 40.9

86 59.7 51.0 76.6



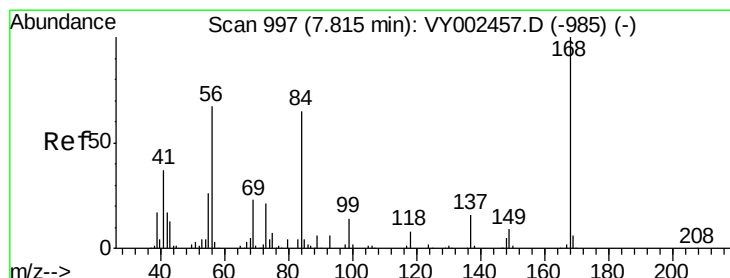
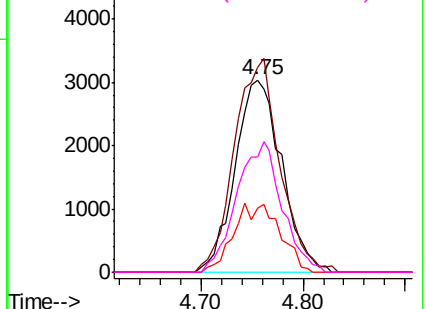
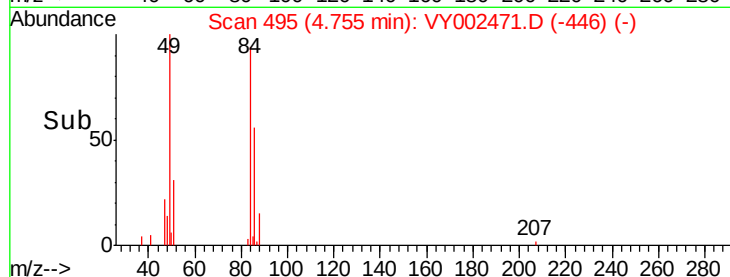
Abundance

Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#31

Cyclohexane

Concen: 1.046 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002471.D

Acq: 23 Apr 2020 19:38

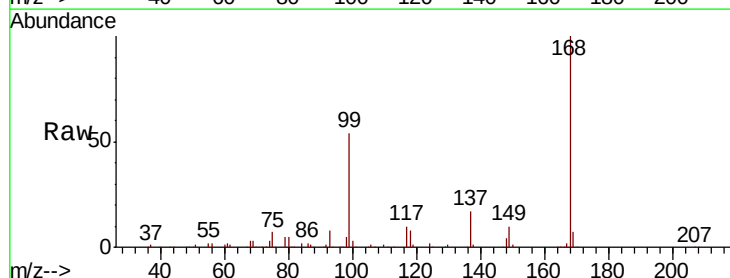
Tgt Ion: 56 Resp: 4031

Ion	Ratio	Lower	Upper
56	100		
69	165.3	27.0	40.6#
84	131.1	77.4	116.2#

56 100

69 165.3 27.0 40.6#

84 131.1 77.4 116.2#

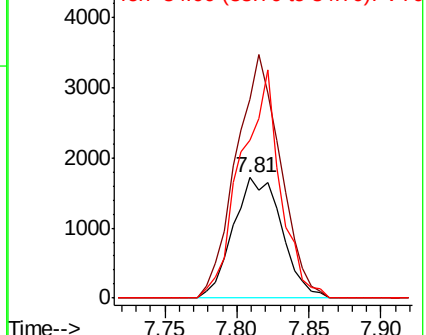
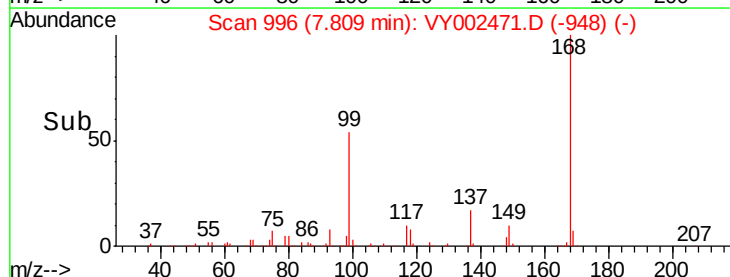


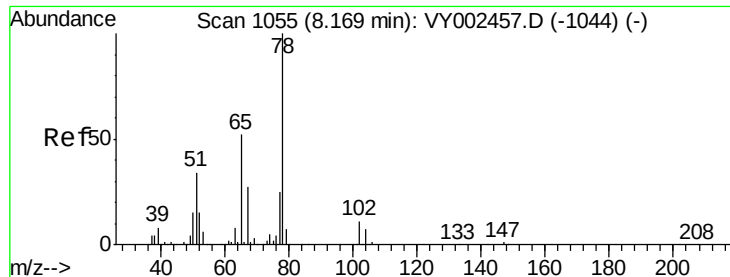
Abundance

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

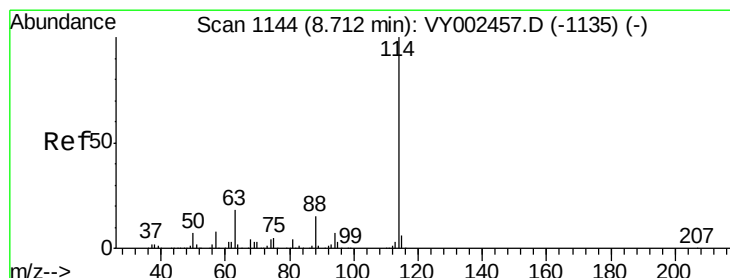
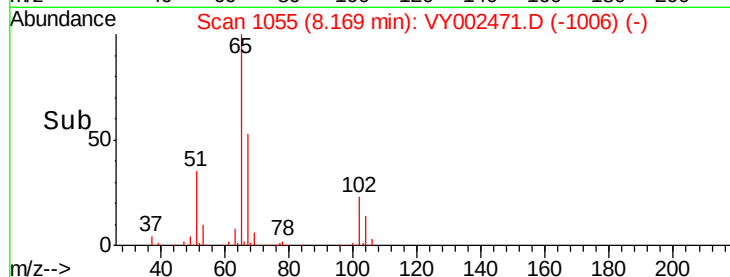
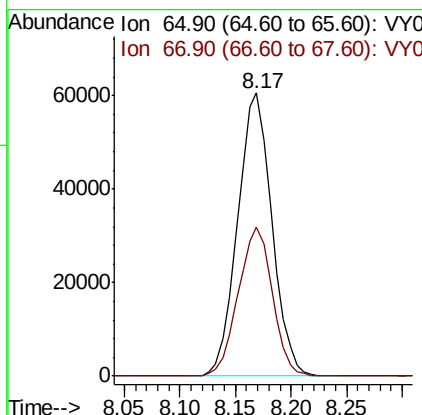
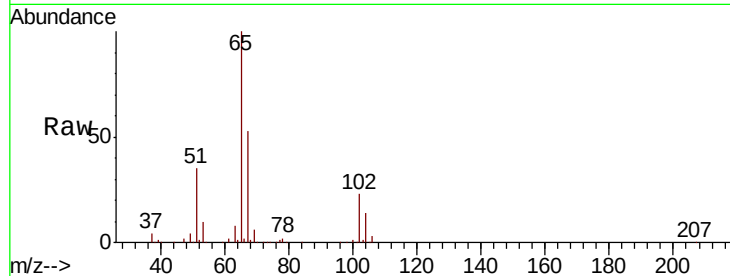




#33
 1,2-Dichloroethane-d4
 Concen: 57.875 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY002471.D
 Acq: 23 Apr 2020 19:38

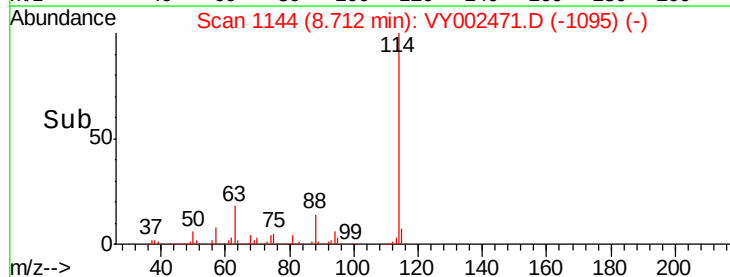
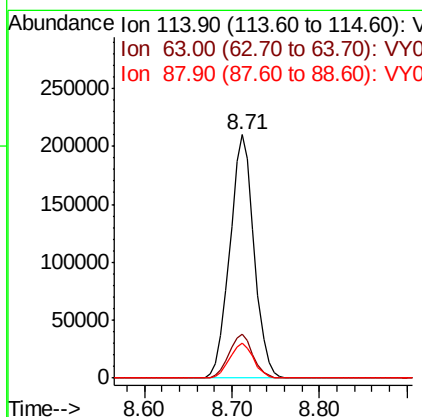
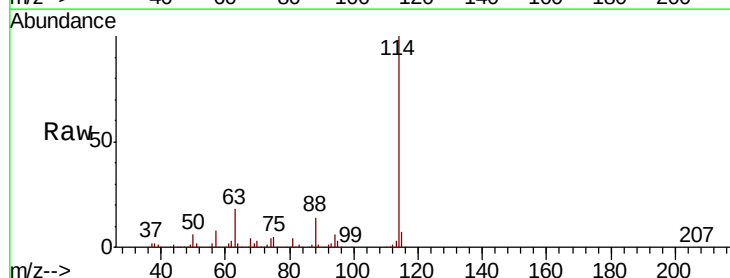
Instrument :
 MSVOA_Y
 ClientSampleId :

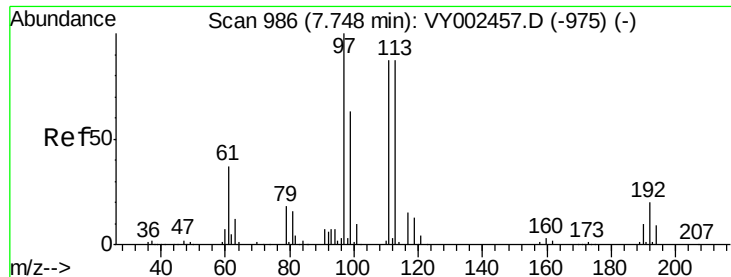
Tot Ion: 65 Resp: 129510
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY002471.D
 Acq: 23 Apr 2020 19:38

Tgt Ion: 114 Resp: 402711
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.6
 88 14.4 0.0 29.4

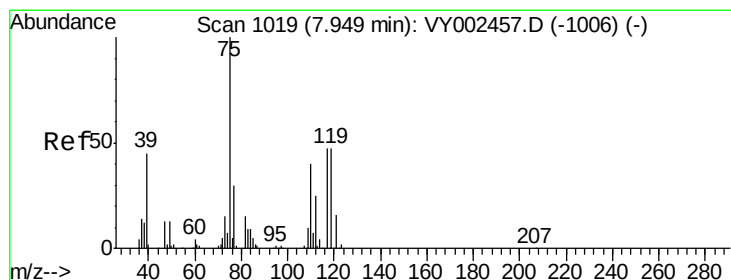
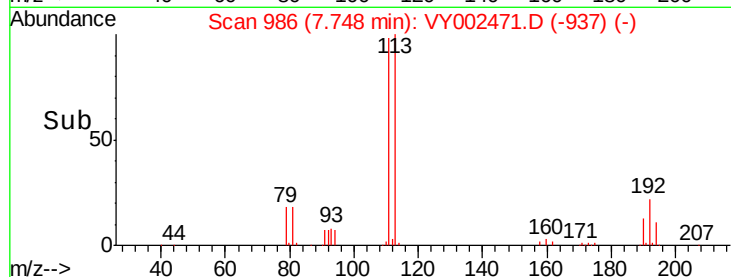
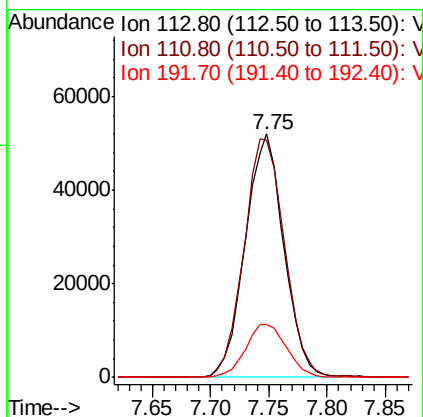
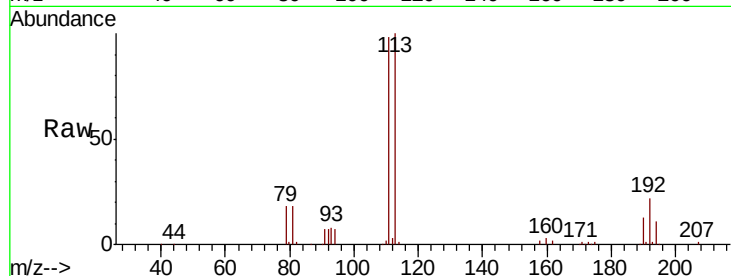




#35
 Dibromofluoromethane
 Concen: 52.653 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY002471.D
 Acq: 23 Apr 2020 19:38

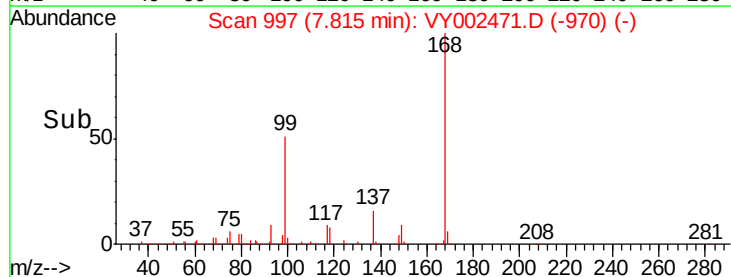
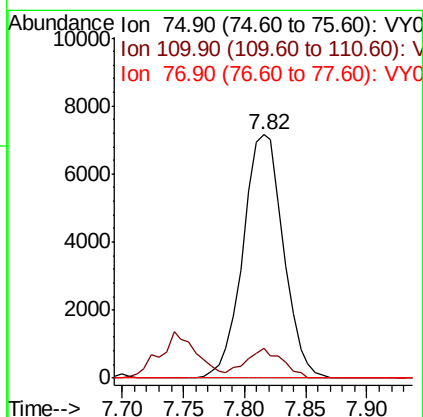
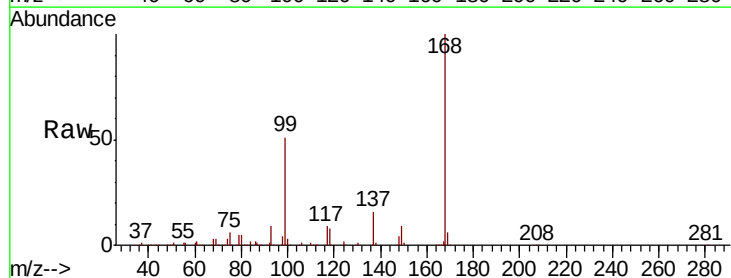
Instrument :
 MSVOA_Y
 ClientSampleId :

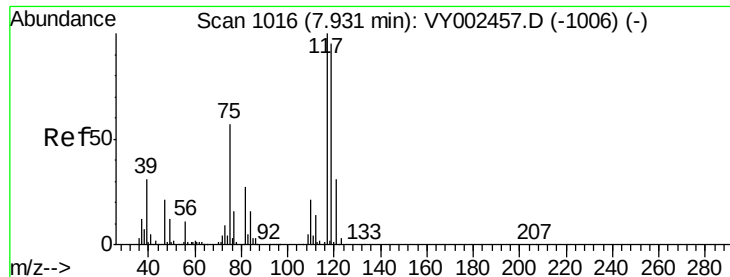
Tot Ion:113 Resp: 119601
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.0 121.4
 192 23.0 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 4.761 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY002471.D
 Acq: 23 Apr 2020 19:38

Tgt Ion: 75 Resp: 16440
 Ion Ratio Lower Upper
 75 100
 110 11.0 19.4 58.4#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.955 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.12 min

Lab File: VY002471.D

Acq: 23 Apr 2020 19:38

Instrument :

MSVOA_Y

ClientSampleId :

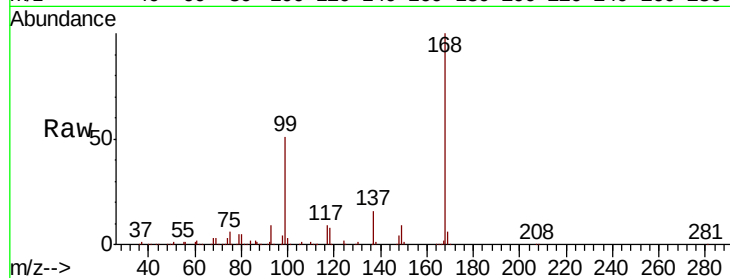
Tot Ion:117 Resp: 23645

Ion Ratio Lower Upper

117 100

119 4.3 75.9 113.9#

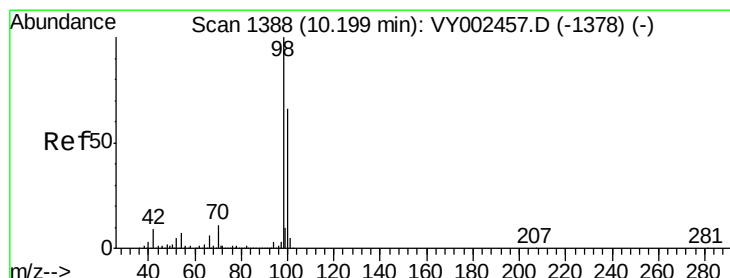
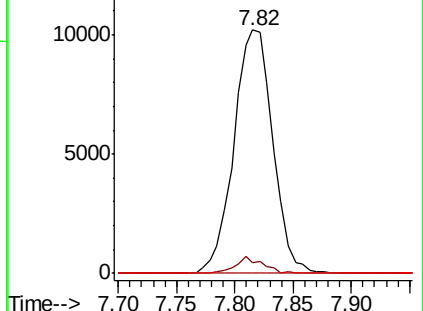
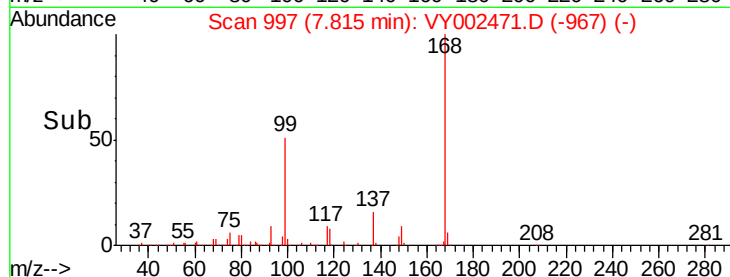
121 0.0 24.5 36.7#



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: 51.766 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VY002471.D

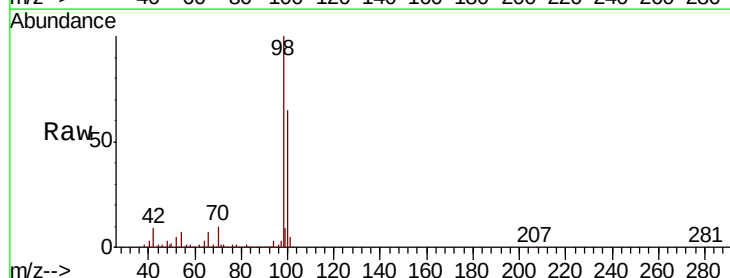
Acq: 23 Apr 2020 19:38

Tgt Ion: 98 Resp: 472607

Ion Ratio Lower Upper

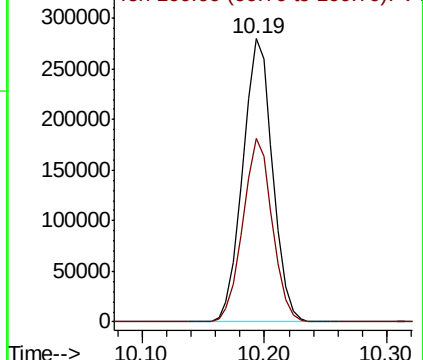
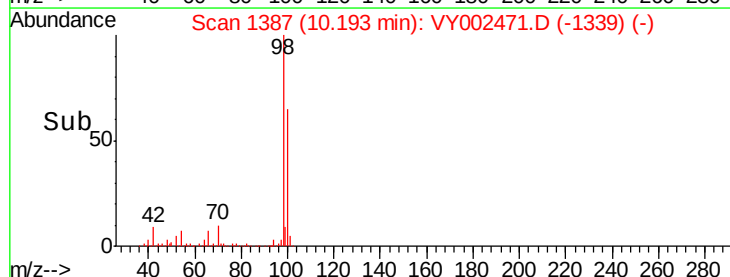
98 100

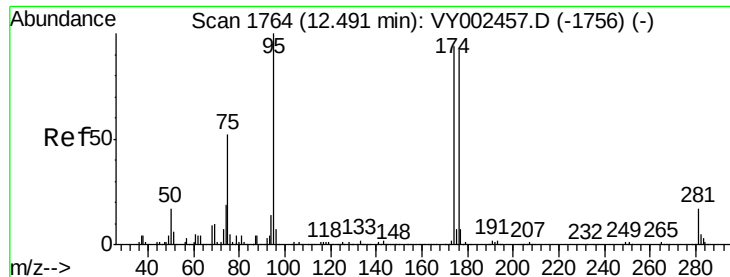
100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 46.825 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002471.D

Acq: 23 Apr 2020 19:38

Instrument :

MSVOA_Y

ClientSampleId :

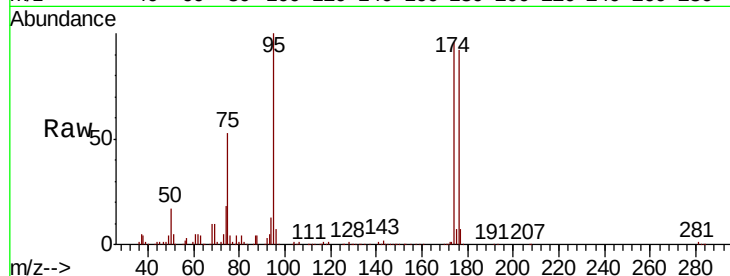
Tot Ion: 95 Resp: 143443

Ion Ratio Lower Upper

95 100

174 97.8 0.0 193.0

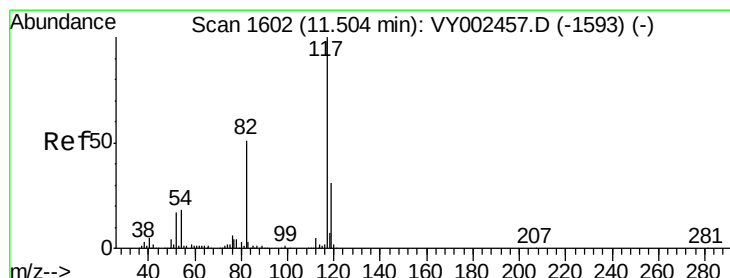
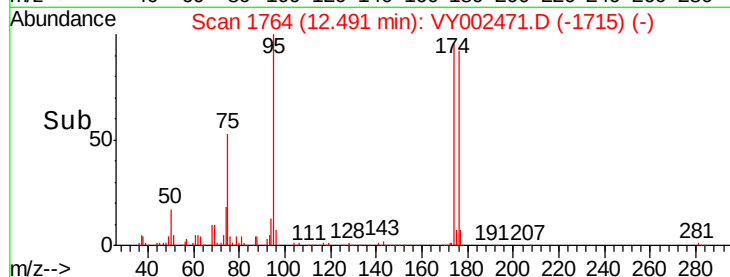
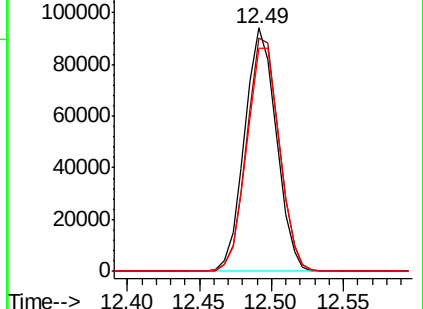
176 95.1 0.0 190.4



Abundance Ion 94.90 (94.60 to 95.60): VY002457.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY002457.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY002457.D (-1756) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY002471.D

Acq: 23 Apr 2020 19:38

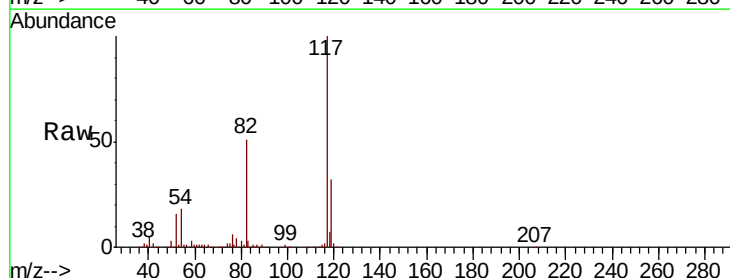
Tgt Ion: 117 Resp: 355542

Ion Ratio Lower Upper

117 100

82 50.5 40.8 61.2

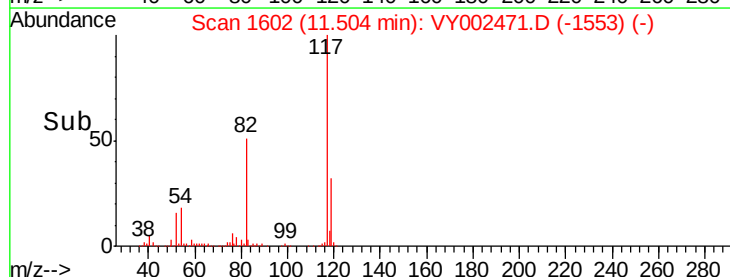
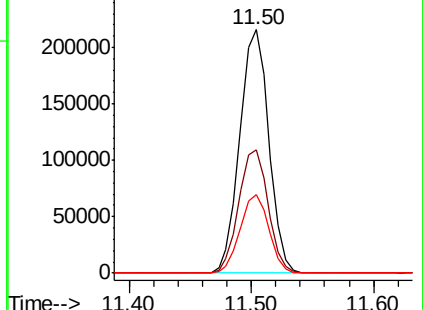
119 32.4 25.2 37.8

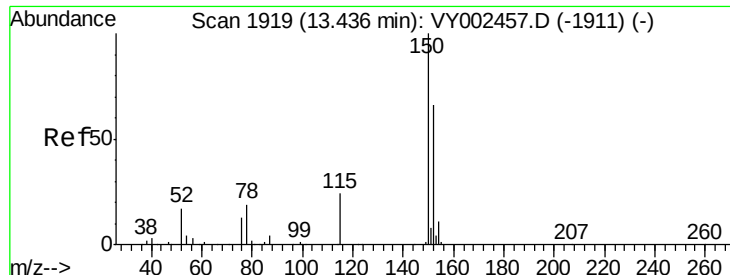


Abundance Ion 116.90 (116.60 to 117.60): VY002457.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY002457.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY002457.D (-1593) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY002471.D

Acq: 23 Apr 2020 19:38

Instrument :

MSVOA_Y

ClientSampleId :

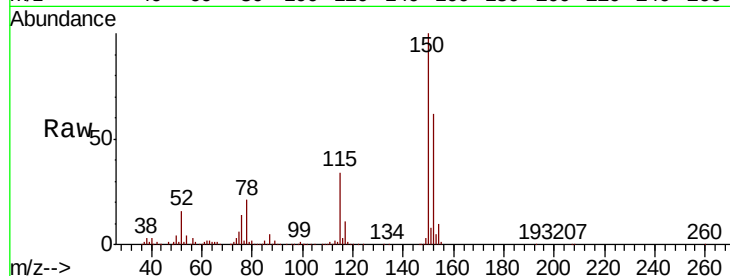
Tot Ion:152 Resp: 170553

Ion Ratio Lower Upper

152 100

115 54.4 27.3 81.8

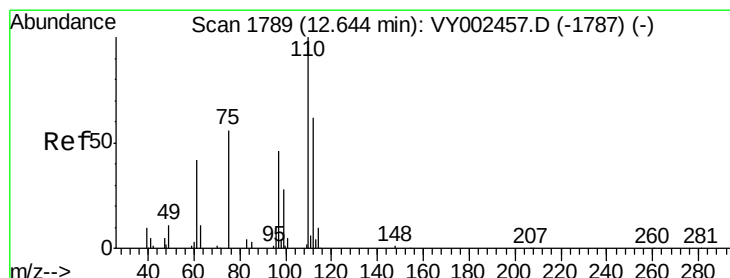
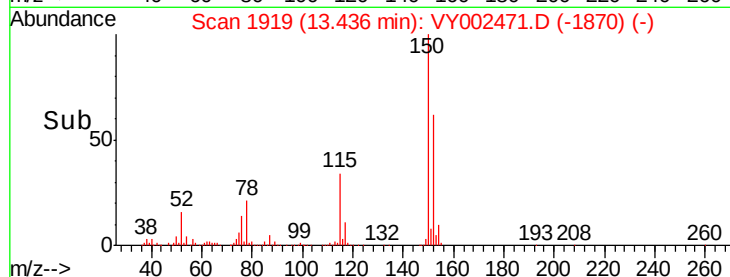
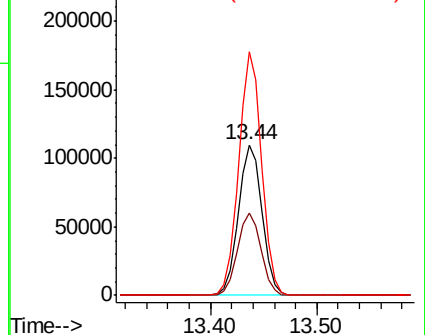
150 157.0 0.0 346.8



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: 51.281 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002471.D

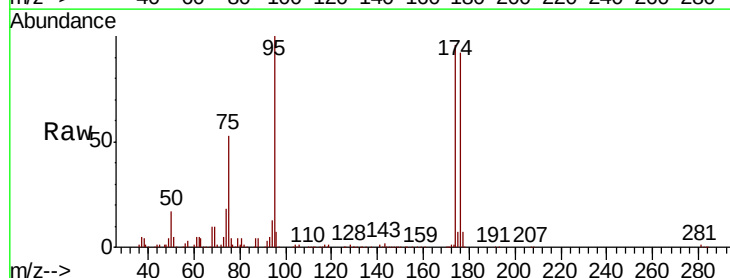
Acq: 23 Apr 2020 19:38

Tgt Ion: 75 Resp: 74128

Ion Ratio Lower Upper

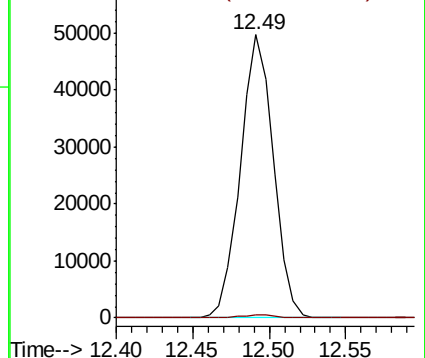
75 100

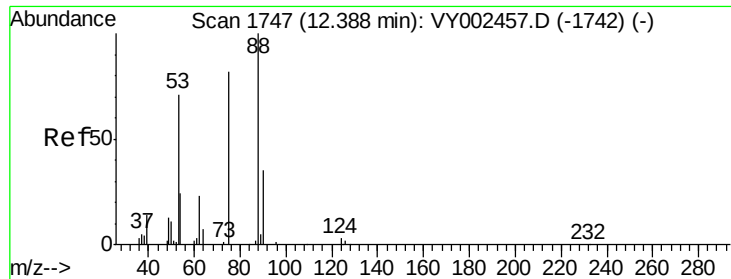
77 1.3 0.0 0.0#



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: 94.894 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002471.D

Acq: 23 Apr 2020 19:38

Instrument :

MSVOA_Y

ClientSampleId :

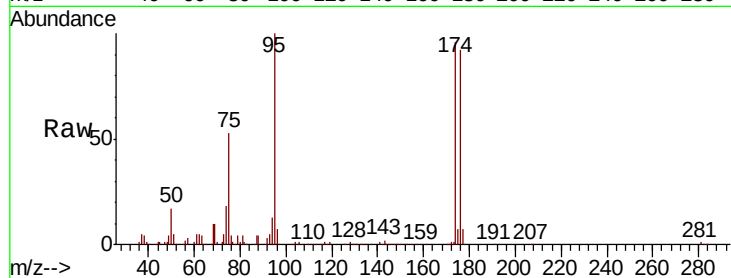
Tot Ion: 75 Resp: 74128

Ion Ratio Lower Upper

75 100

53 0.0 70.0 105.0#

89 0.0 34.9 52.3#



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

