

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030620\
 Data File : VY001899.D
 Acq On : 06 Mar 2020 14:32
 Operator : SY/MD
 Sample : L1837-02
 Misc : 6.68G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 06 22:08:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

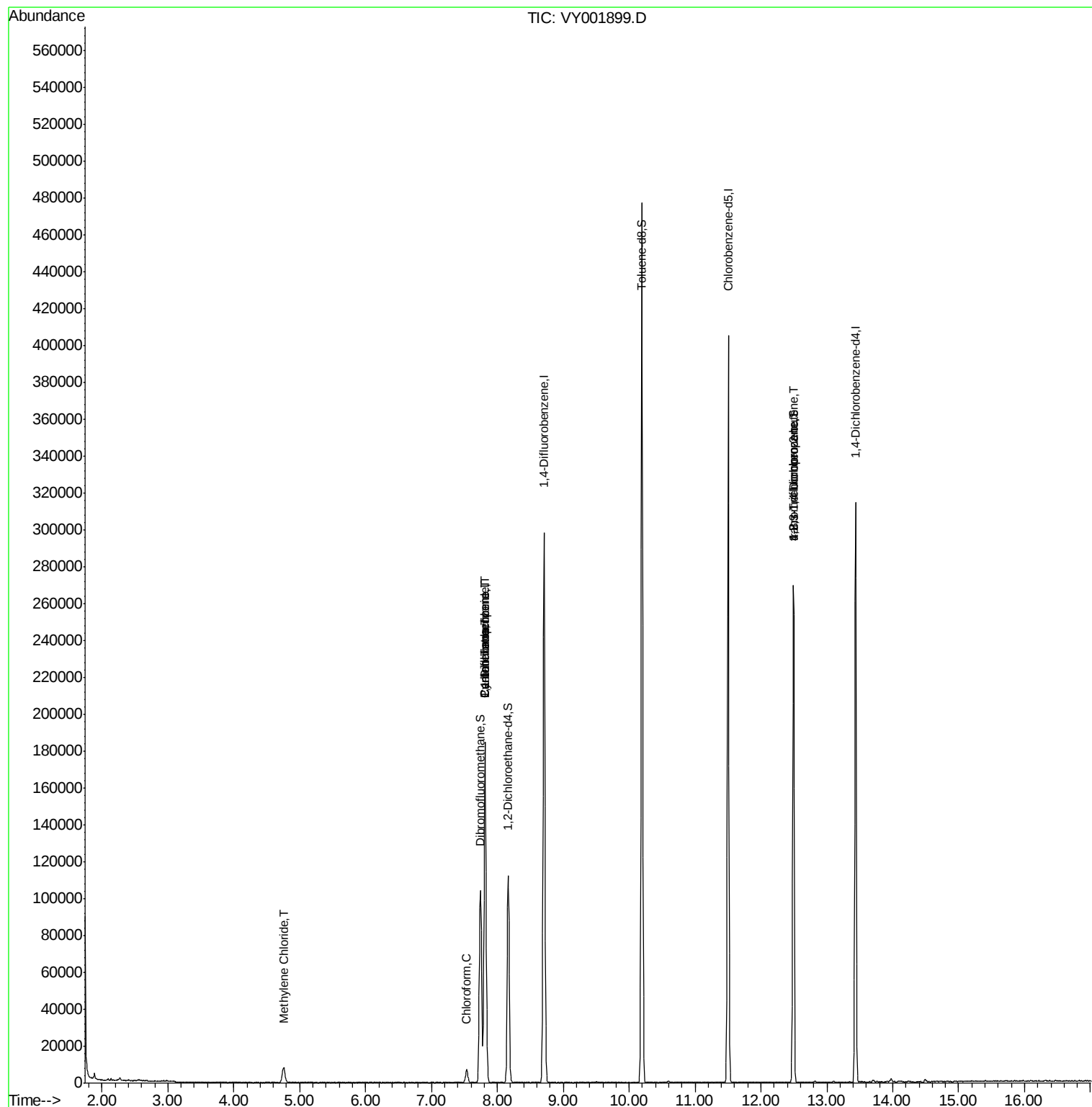
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	135560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	258556	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	218736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	75419	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	82886	57.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.54%	
35) Dibromofluoromethane	7.74	113	75552	53.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.02%	
50) Toluene-d8	10.19	98	306708	51.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.49	95	87741	42.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.78%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.76	84	6162	3.411	ug/l	94
30) Chloroform	7.53	83	7153	2.567	ug/l	99
31) Cyclohexane	7.81	56	3254	1.023	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	11835	4.757	ug/l #	49
38) Carbon Tetrachloride	7.81	117	13988	6.581	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	45254	50.569	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	45254	102.147	ug/l #	17

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001899.D

Acq: 06 Mar 2020 14:32

Instrument :

MSVOA_Y

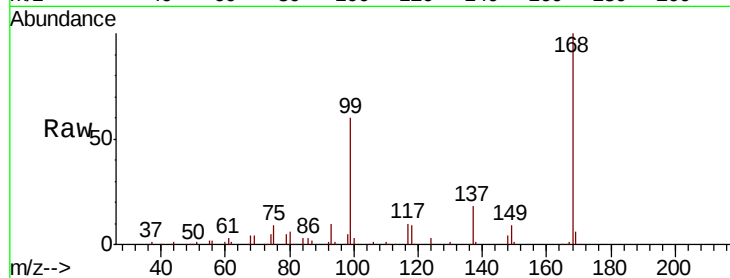
ClientSampleId :

Tot Ion:168 Resp: 135560

Ion Ratio Lower Upper

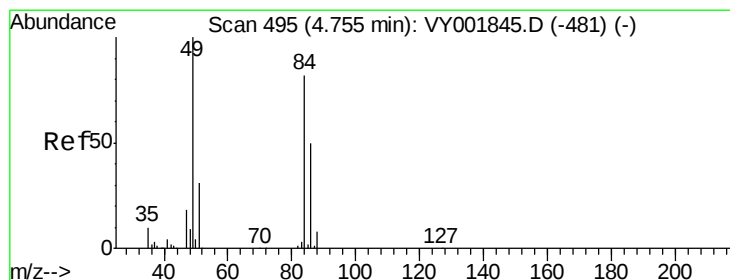
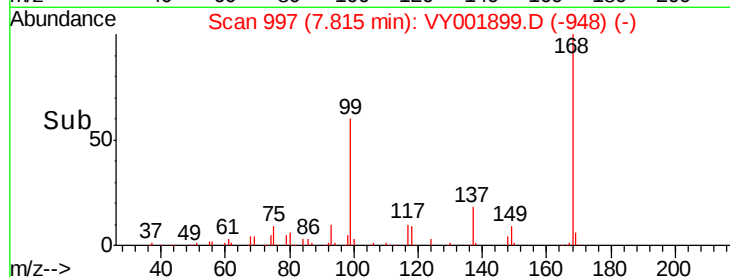
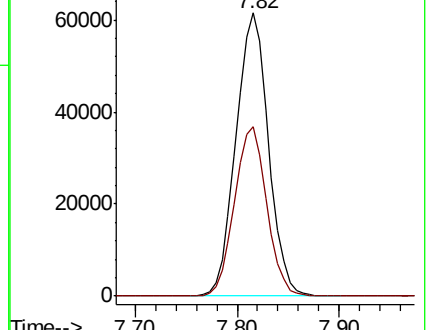
168 100

99 59.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#20

Methylene Chloride

Concen: 3.411 ug/l

RT: 4.76 min Scan# 495

Delta R.T. 0.00 min

Lab File: VY001899.D

Acq: 06 Mar 2020 14:32

Tgt Ion: 84 Resp: 6162

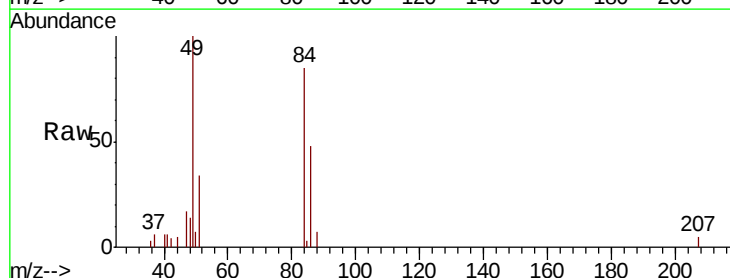
Ion Ratio Lower Upper

84 100

49 114.7 98.2 147.2

51 39.8 30.2 45.2

86 56.3 48.9 73.3

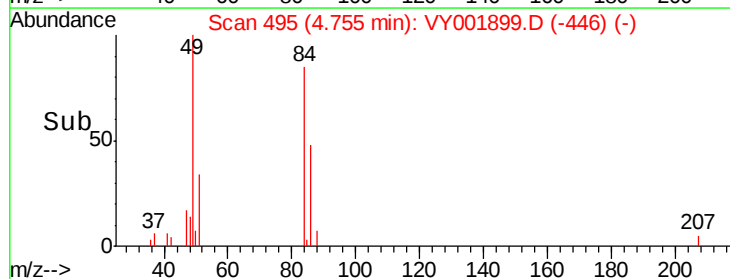
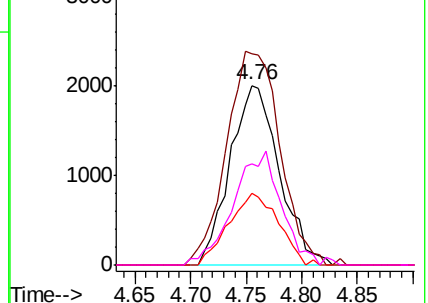


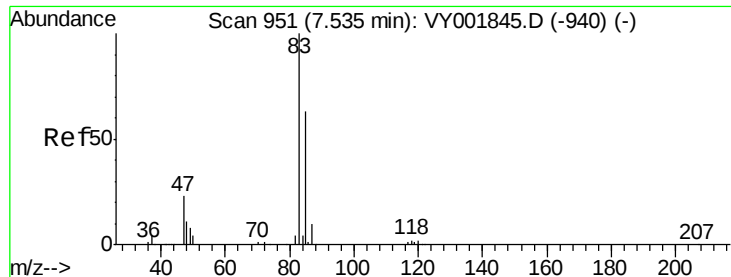
Abundance Ion 83.90 (83.60 to 84.60): VY001845.D (-481) (-)

Ion 48.90 (48.60 to 49.60): VY001845.D (-481) (-)

Ion 50.90 (50.60 to 51.60): VY001845.D (-481) (-)

Ion 85.90 (85.60 to 86.60): VY001845.D (-481) (-)

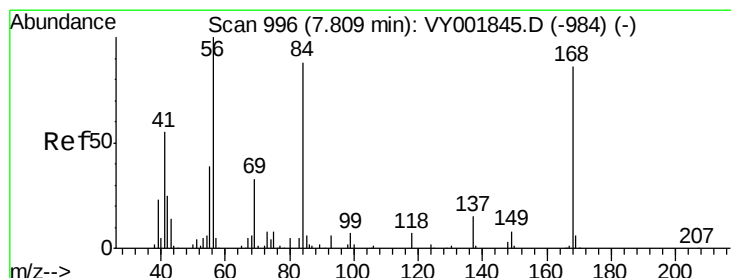
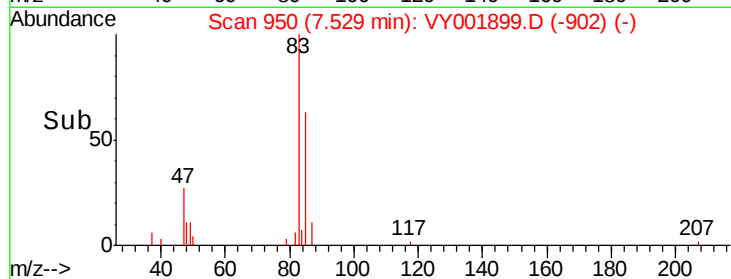
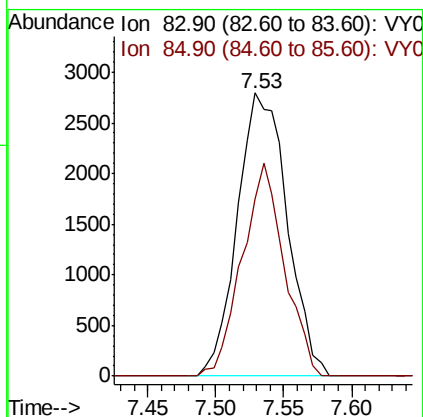
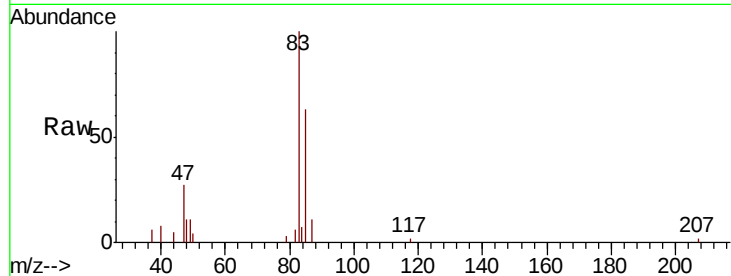




#30
Chloroform
Concen: 2.567 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001899.D
Acq: 06 Mar 2020 14:32

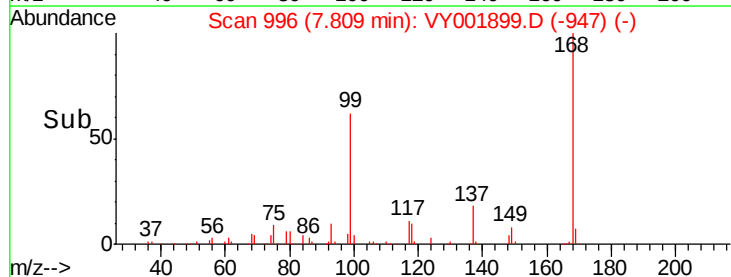
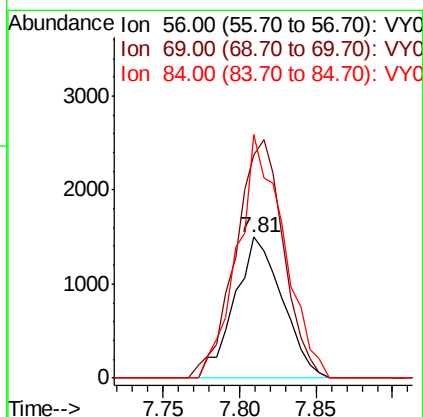
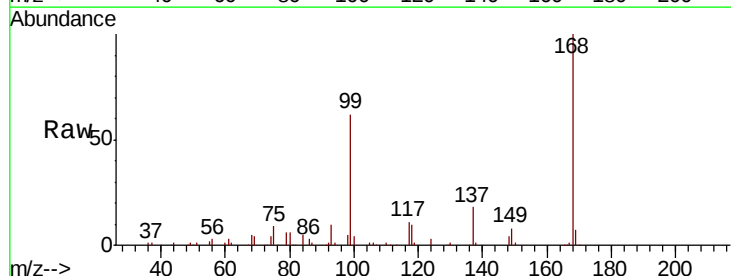
Instrument :
MSVOA_Y
ClientSampleId :

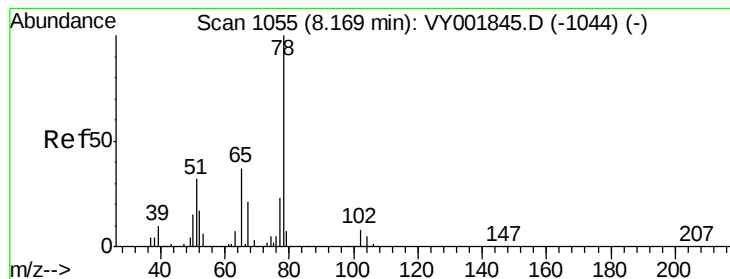
Tot Ion: 83 Resp: 7153
Ion Ratio Lower Upper
83 100
85 62.6 50.7 76.1



#31
Cyclohexane
Concen: 1.023 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY001899.D
Acq: 06 Mar 2020 14:32

Tgt Ion: 56 Resp: 3254
Ion Ratio Lower Upper
56 100
69 158.6 26.7 40.1#
84 173.2 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 57.274 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001899.D

Acq: 06 Mar 2020 14:32

Instrument :

MSVOA_Y

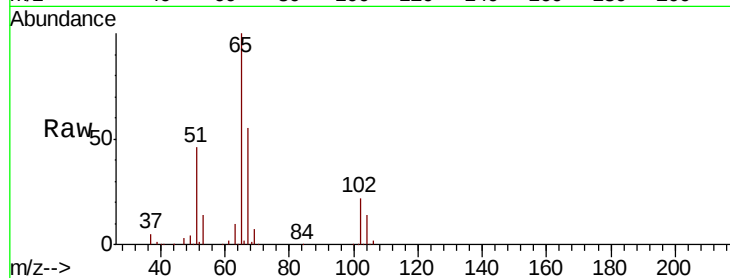
ClientSampleId :

Tot Ion: 65 Resp: 82886

Ion Ratio Lower Upper

65 100

67 54.4 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY001845.D (-1044) (-)

Ion 66.90 (66.60 to 67.60): VY001845.D (-1044) (-)

8.16

40000

30000

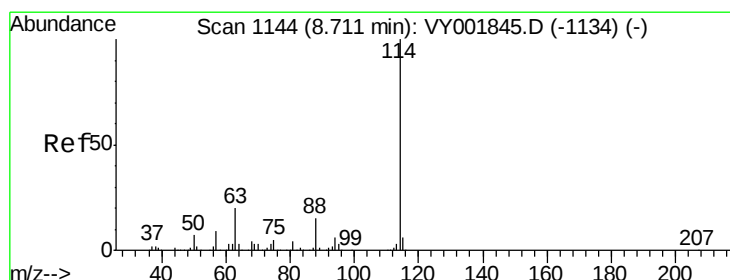
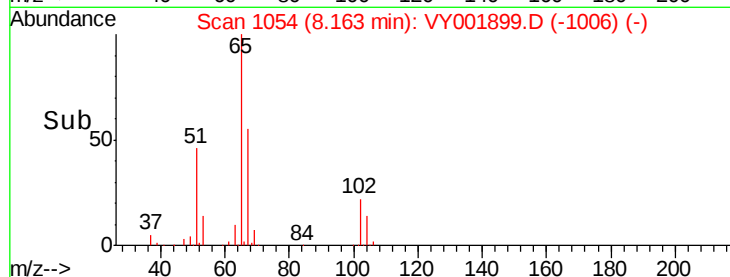
20000

10000

0

8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY001899.D

Acq: 06 Mar 2020 14:32

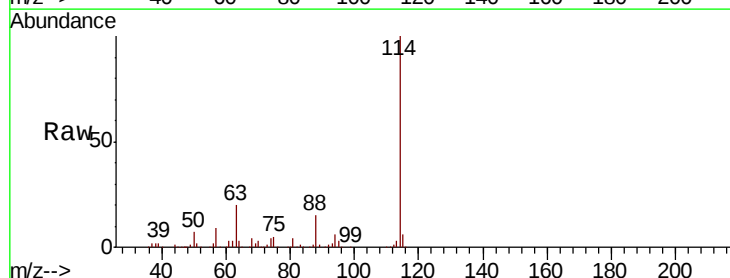
Tgt Ion: 114 Resp: 258556

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.4

88 15.4 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VY001845.D (-1134) (-)

Ion 63.00 (62.70 to 63.70): VY001845.D (-1134) (-)

Ion 87.90 (87.60 to 88.60): VY001845.D (-1134) (-)

8.71

150000

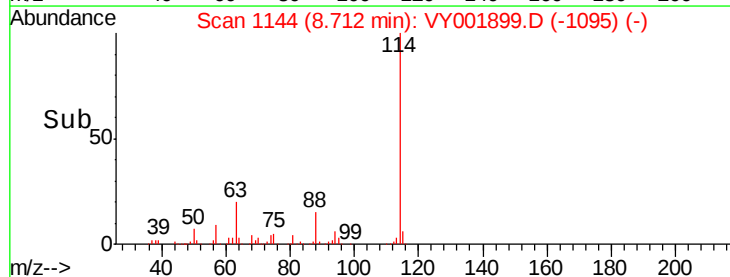
100000

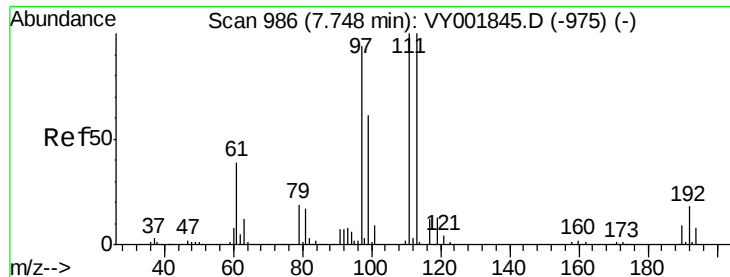
50000

0

8.60 8.70 8.80

Time-->

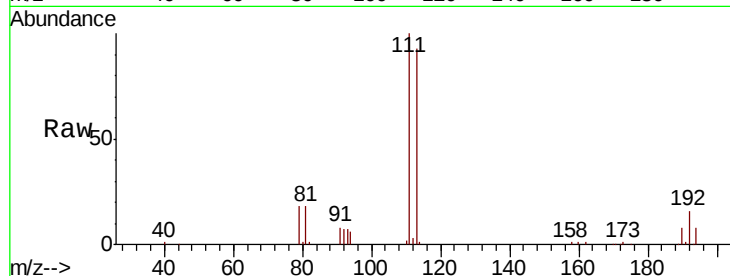




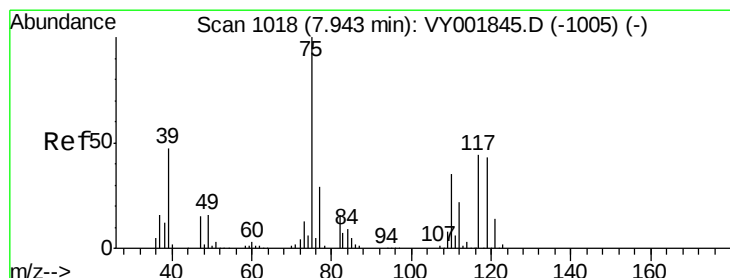
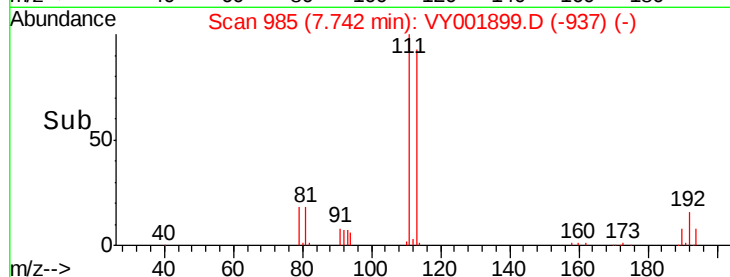
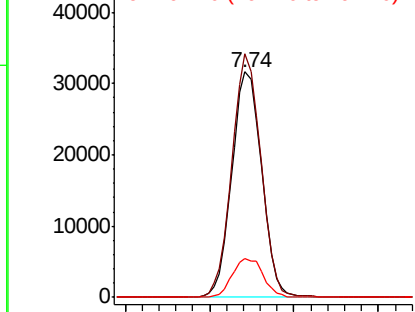
#35
 Dibromofluoromethane
 Concen: 53.513 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001899.D
 Acq: 06 Mar 2020 14:32

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 75552
 Ion Ratio Lower Upper
 113 100
 111 105.0 81.8 122.8
 192 17.8 14.2 21.2

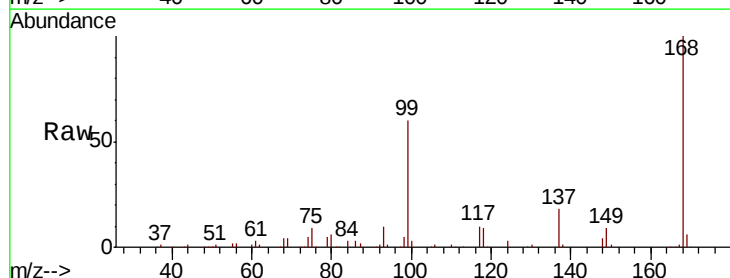


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

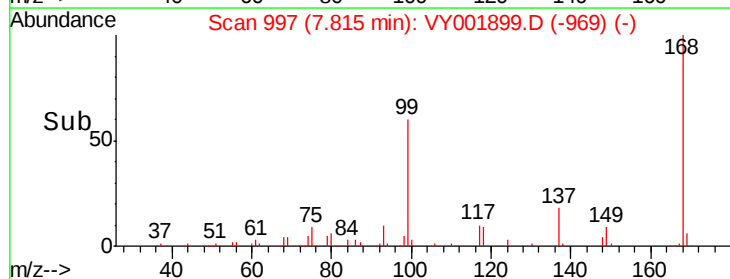
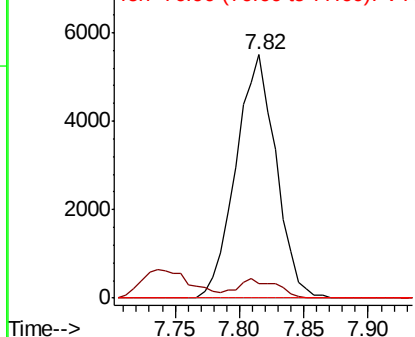


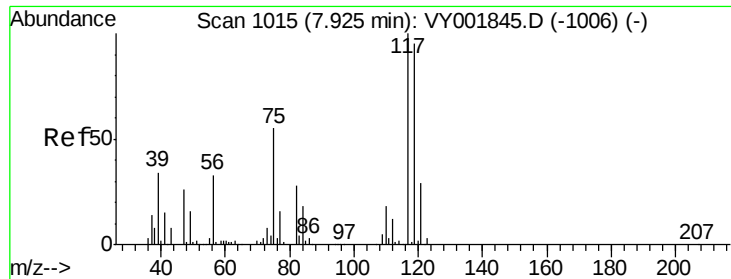
#36
 1,1-Dichloropropene
 Concen: 4.757 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001899.D
 Acq: 06 Mar 2020 14:32

Tgt Ion: 75 Resp: 11835
 Ion Ratio Lower Upper
 75 100
 110 7.9 17.4 52.2#
 77 0.0 24.2 36.2#



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: 6.581 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

Lab File: VY001899.D

Acq: 06 Mar 2020 14:32

Instrument :

MSVOA_Y

ClientSampled :

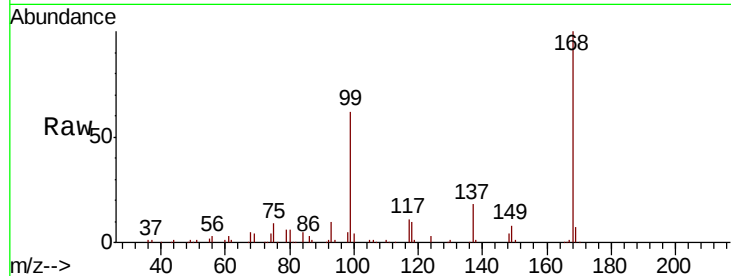
Tot Ion:117 Resp: 13988

Ion Ratio Lower Upper

117 100

119 5.7 76.3 114.5#

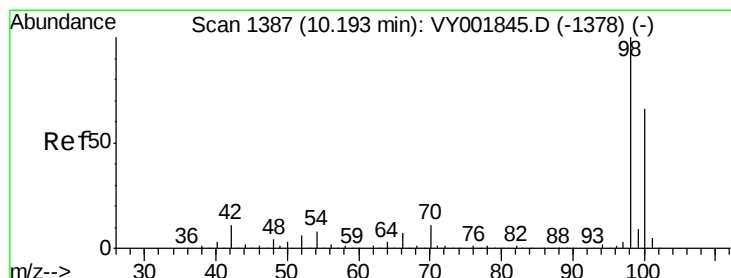
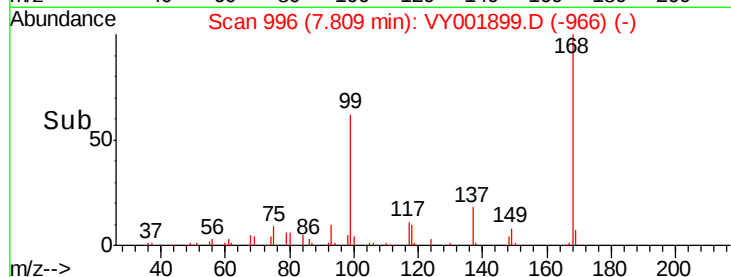
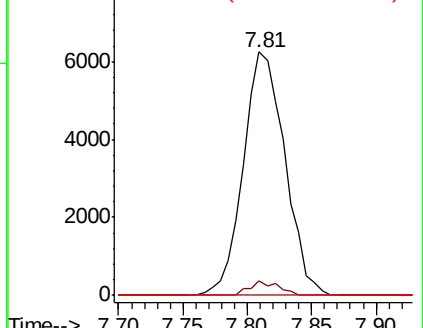
121 0.0 23.5 35.3#



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: 51.518 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001899.D

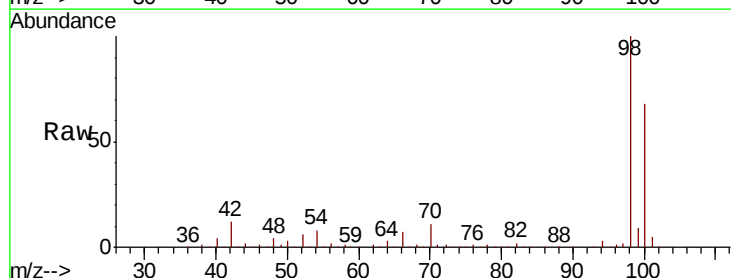
Acq: 06 Mar 2020 14:32

Tgt Ion: 98 Resp: 306708

Ion Ratio Lower Upper

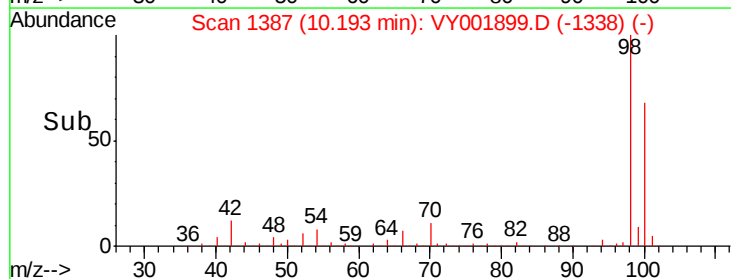
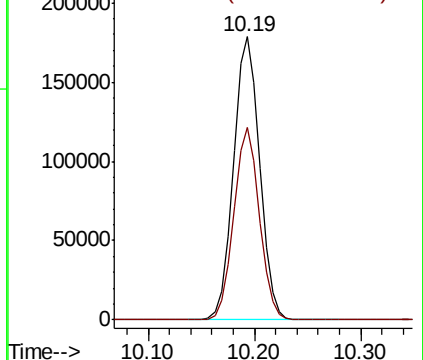
98 100

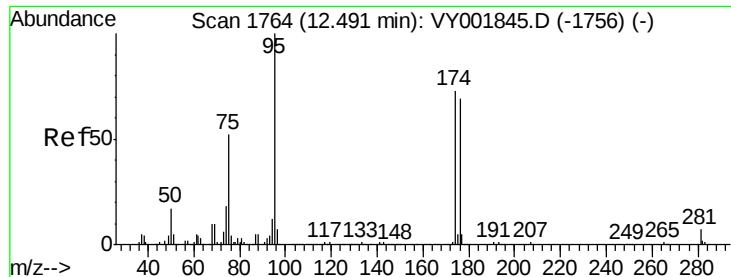
100 66.5 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 42.385 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001899.D

Acq: 06 Mar 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

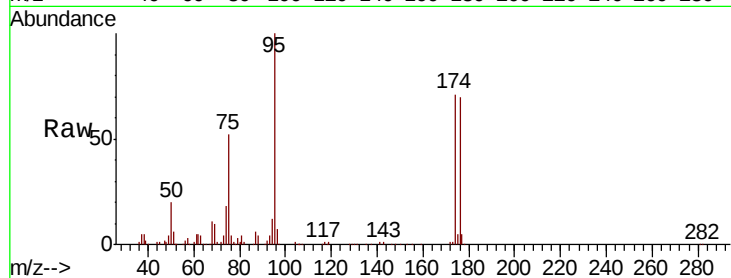
Tot Ion: 95 Resp: 87741

Ion Ratio Lower Upper

95 100

174 73.4 0.0 145.0

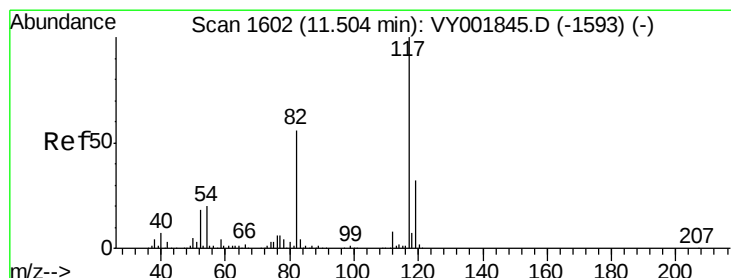
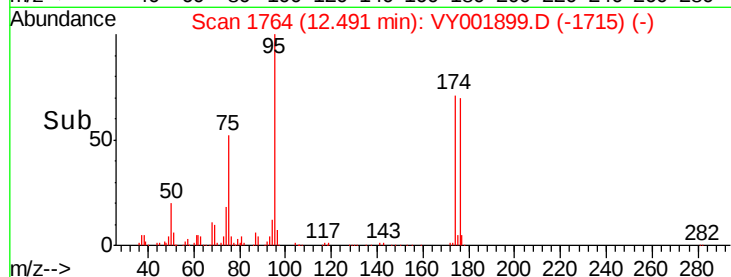
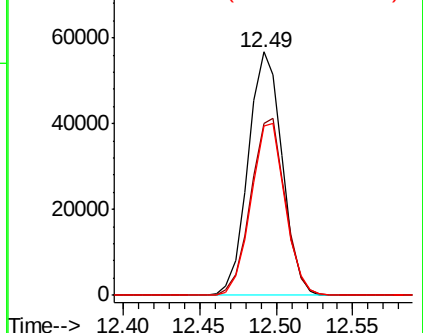
176 70.9 0.0 137.4



Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001845.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY001899.D

Acq: 06 Mar 2020 14:32

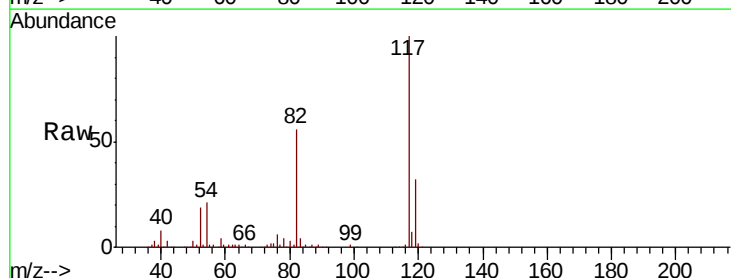
Tgt Ion: 117 Resp: 218736

Ion Ratio Lower Upper

117 100

82 56.4 44.5 66.7

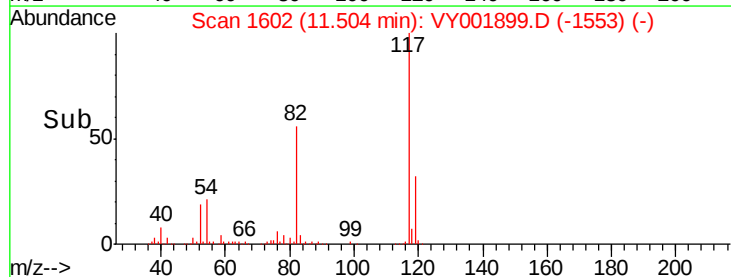
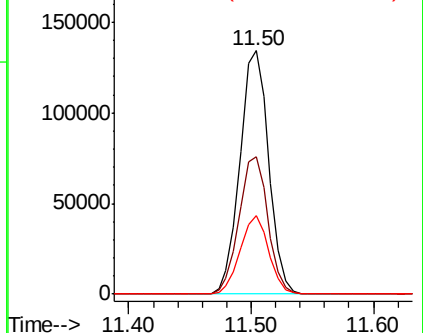
119 32.5 25.7 38.5

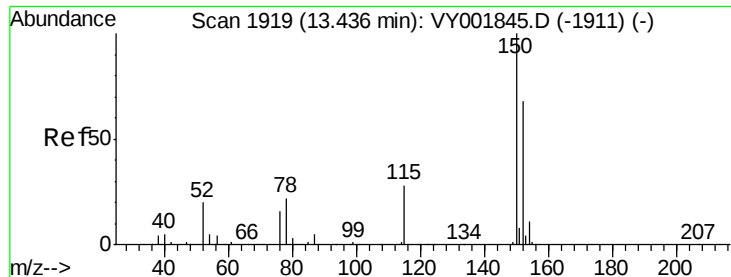


Abundance Ion 116.90 (116.60 to 117.60): VY001845.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY001845.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY001845.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: VY001899.D

Acq: 06 Mar 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

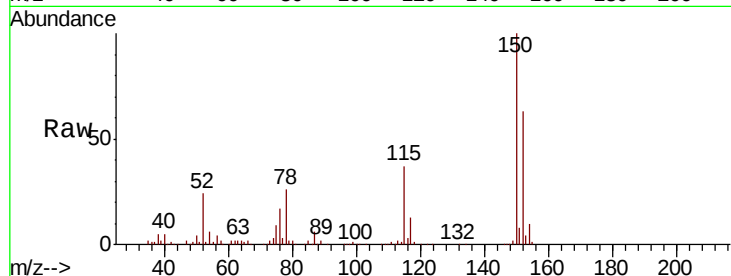
Tot Ion:152 Resp: 75419

Ion Ratio Lower Upper

152 100

115 61.0 29.9 89.7

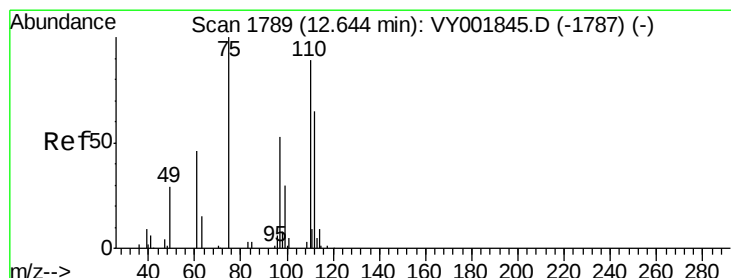
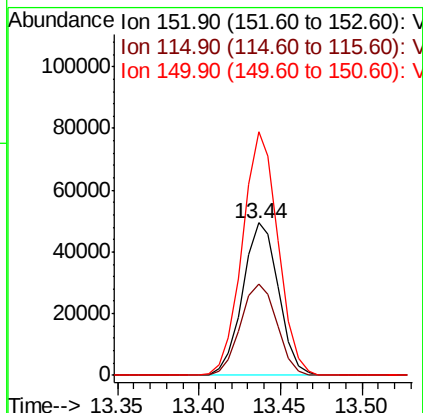
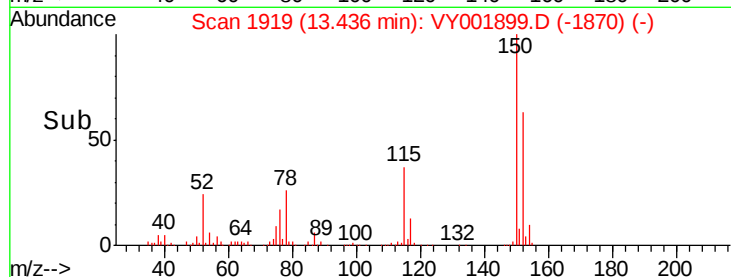
150 159.0 0.0 340.6



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: 50.569 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001899.D

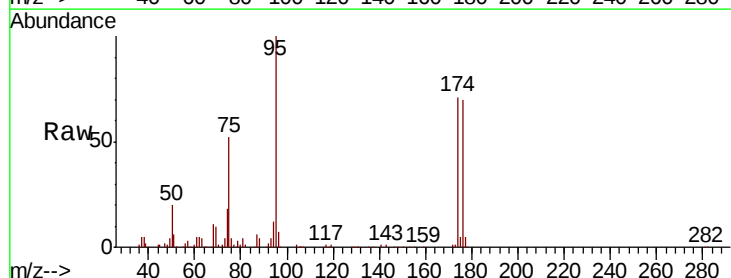
Acq: 06 Mar 2020 14:32

Tgt Ion: 75 Resp: 45254

Ion Ratio Lower Upper

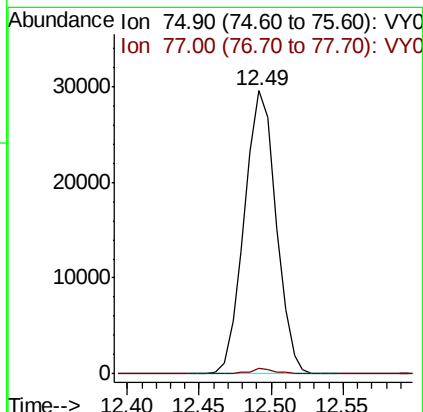
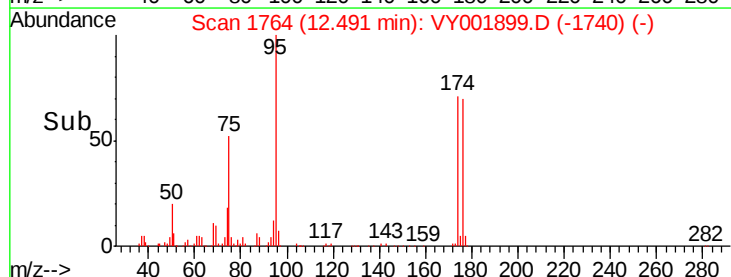
75 100

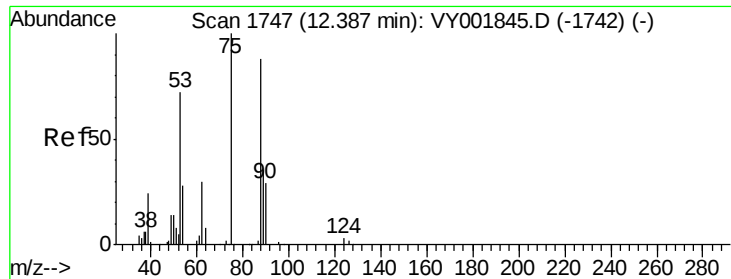
77 1.4 0.0 0.0#



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: 102.147 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001899.D

Acq: 06 Mar 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 45254

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#

