

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052820\
 Data File : VY002786.D
 Acq On : 28 May 2020 12:33
 Operator : SY/MD
 Sample : L2790-02
 Misc : 6.71G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 28 16:47:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

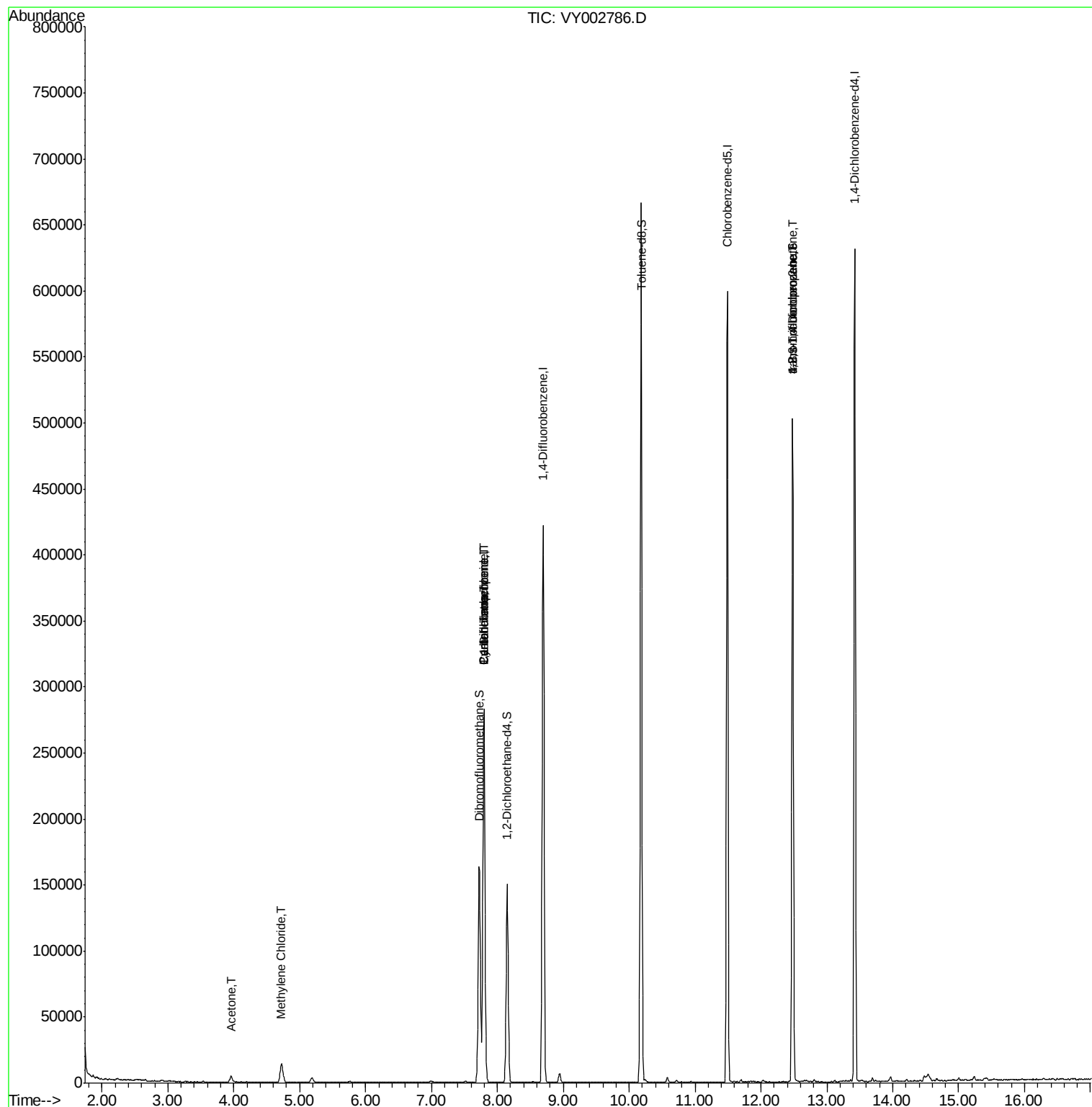
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	237997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	383003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	348478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	174163	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	117248	56.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.48%	
35) Dibromofluoromethane	7.72	113	116879	52.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.14%	
50) Toluene-d8	10.18	98	448503	49.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.48	95	147650	47.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.22%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.96	59	44	Below Cal	#	74
16) Acetone	3.96	43	8108	16.733	ug/l	98
18) Methyl Acetate	4.49	43	439	Below Cal	#	48
20) Methylene Chloride	4.72	84	11853	5.005	ug/l	95
31) Cyclohexane	7.80	56	3816	1.089	ug/l #	4
36) 1,1-Dichloropropene	7.80	75	14681	4.550	ug/l #	49
38) Carbon Tetrachloride	7.80	117	20860	5.820	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	70247	44.763	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	70247	84.333	ug/l #	17

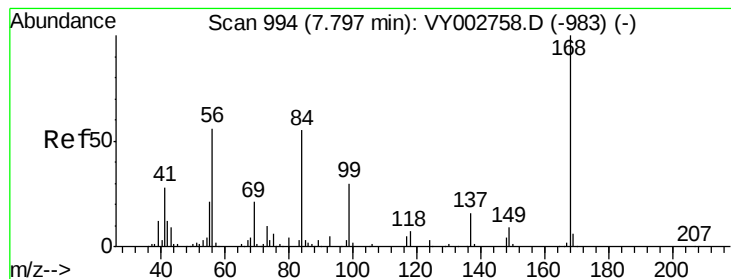
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002786.D

Acq: 28 May 2020 12:33

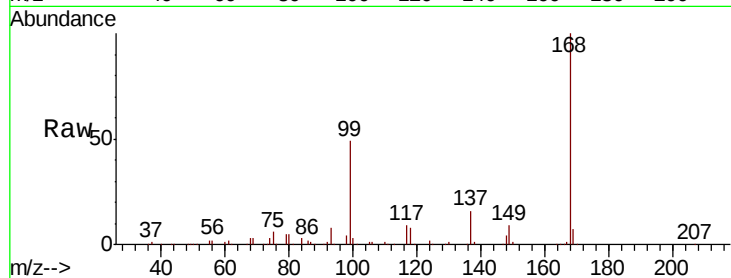
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 237997

Ion Ratio Lower Upper

168 100

99 48.5 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002758.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002758.D (-983) (-)

7.80

100000

80000

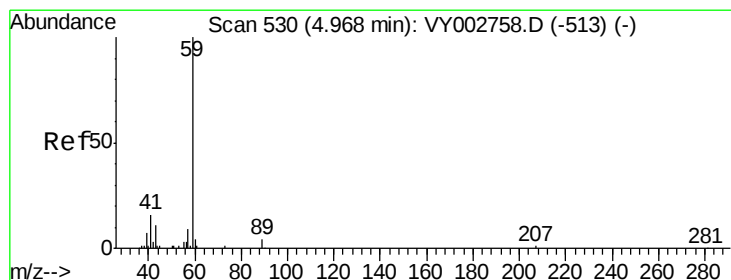
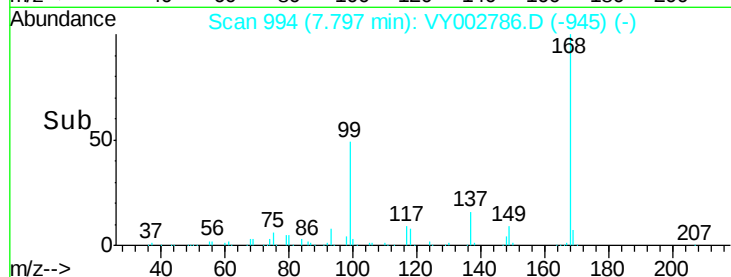
60000

40000

20000

0

Time--> 7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002786.D

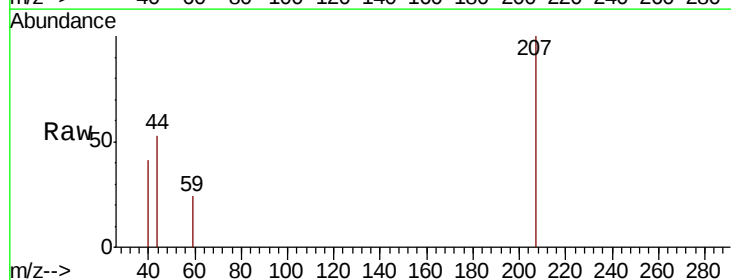
Acq: 28 May 2020 12:33

Tgt Ion: 59 Resp: 44

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002758.D (-513) (-)

Ion 57.00 (56.70 to 57.70): VY002758.D (-513) (-)

4.96

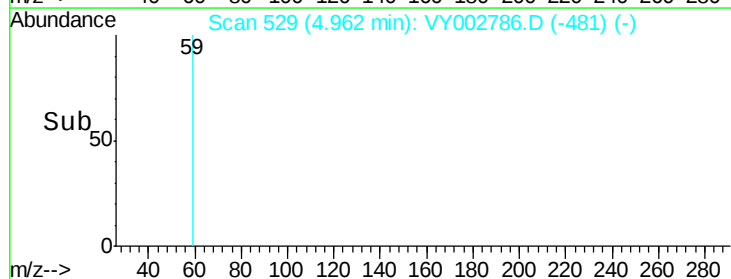
60

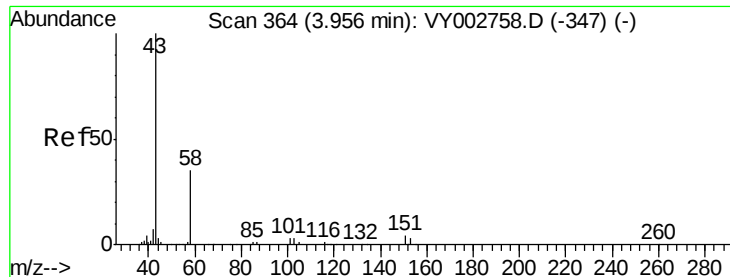
40

20

0

Time--> 4.94 4.96 4.98





#16

Acetone

Concen: 16.733 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY002786.D

Acq: 28 May 2020 12:33

Instrument :

MSVOA_Y

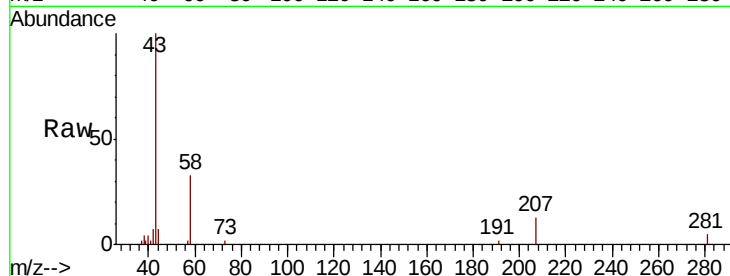
ClientSampleId :

Tot Ion: 43 Resp: 8108

Ion Ratio Lower Upper

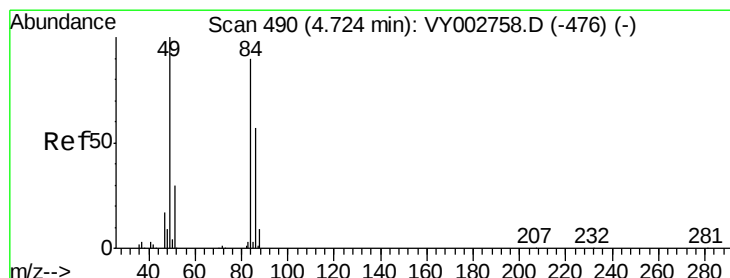
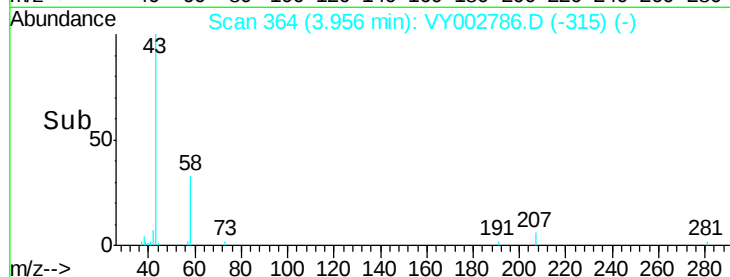
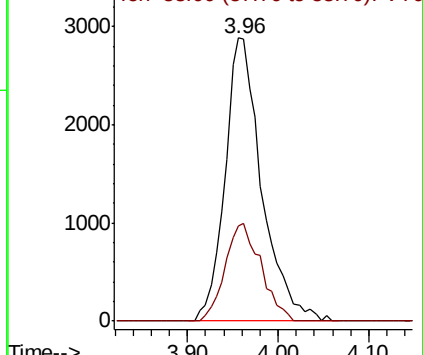
43 100

58 33.4 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VY002786.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VY002786.D (-315) (-)



#20

Methylene Chloride

Concen: 5.005 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY002786.D

Acq: 28 May 2020 12:33

Tgt Ion: 84 Resp: 11853

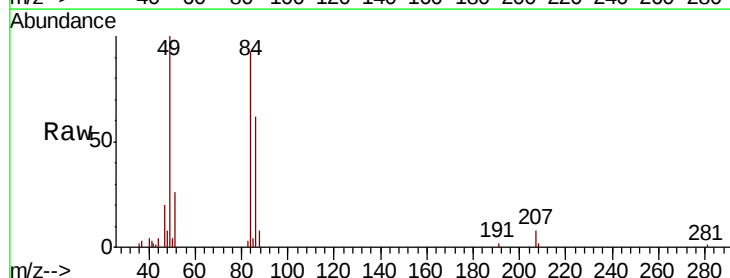
Ion Ratio Lower Upper

84 100

49 107.3 88.5 132.7

51 27.6 26.8 40.2

86 66.9 50.6 75.8

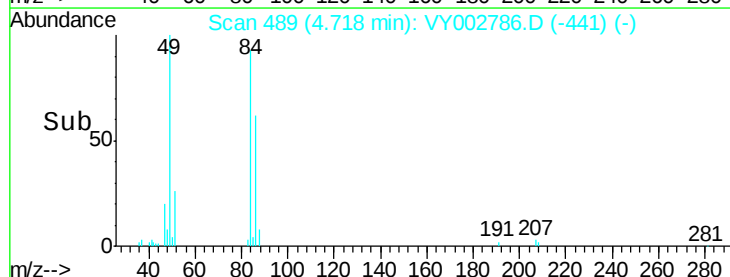
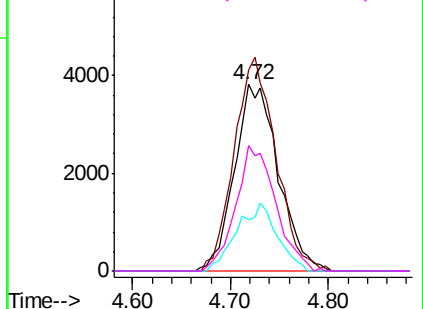


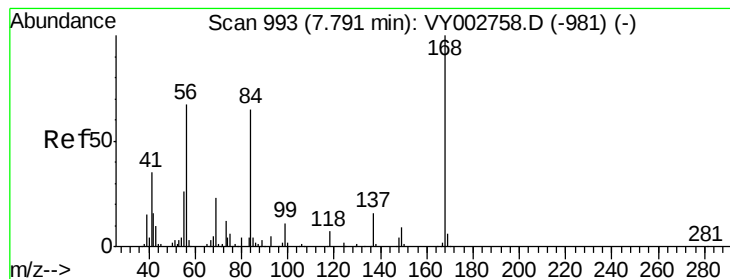
Abundance Ion 83.90 (83.60 to 84.60): VY002786.D (-441) (-)

Ion 48.90 (48.60 to 49.60): VY002786.D (-441) (-)

Ion 50.90 (50.60 to 51.60): VY002786.D (-441) (-)

Ion 85.90 (85.60 to 86.60): VY002786.D (-441) (-)





#31

Cyclohexane

Concen: 1.089 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY002786.D

Acq: 28 May 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

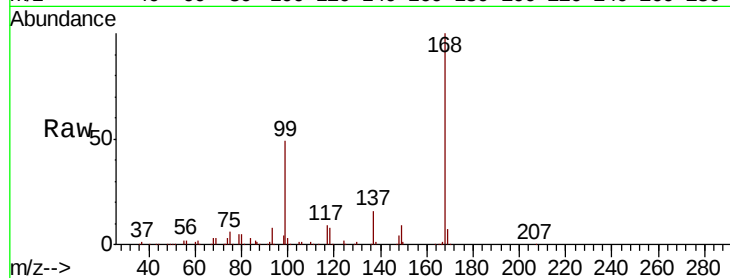
Tot Ion: 56 Resp: 3816

Ion Ratio Lower Upper

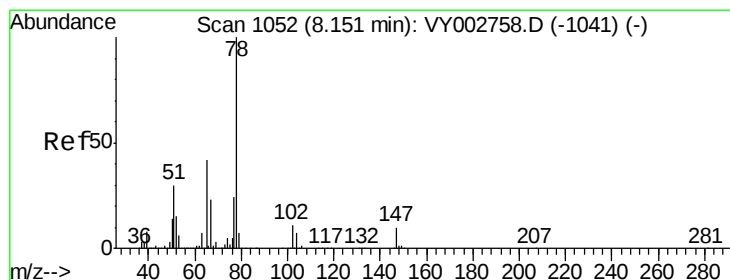
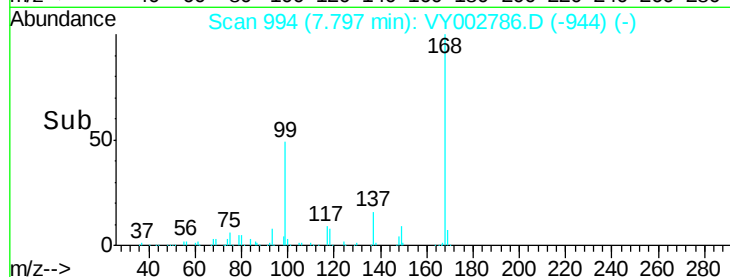
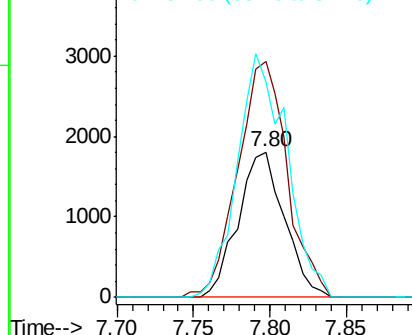
56 100

69 162.4 28.0 42.0#

84 148.0 77.7 116.5#



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: 56.738 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY002786.D

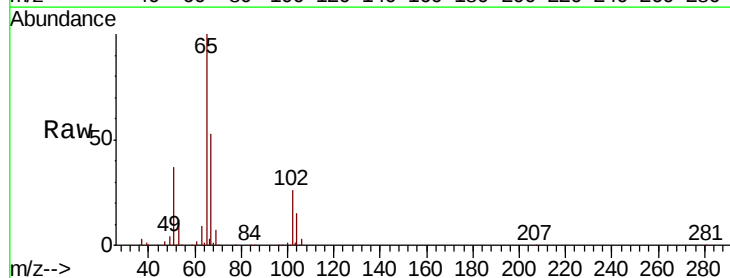
Acq: 28 May 2020 12:33

Tgt Ion: 65 Resp: 117248

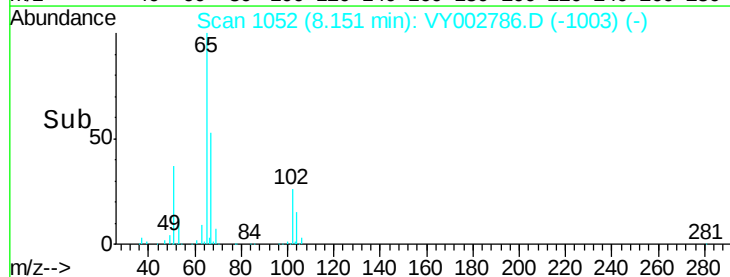
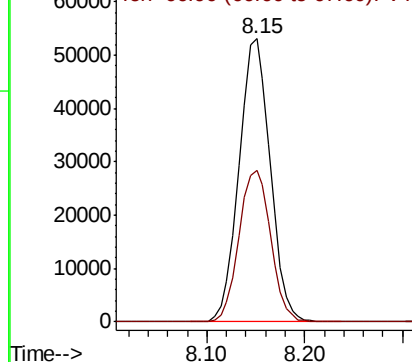
Ion Ratio Lower Upper

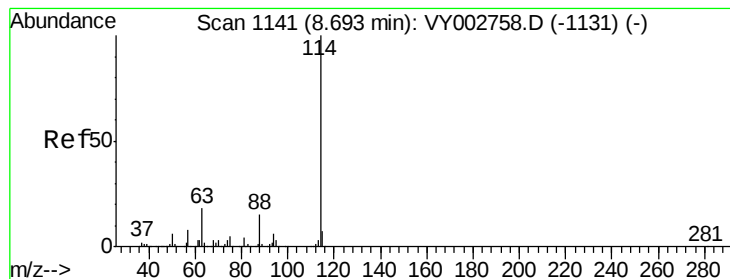
65 100

67 54.6 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: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY002786.D

Acq: 28 May 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

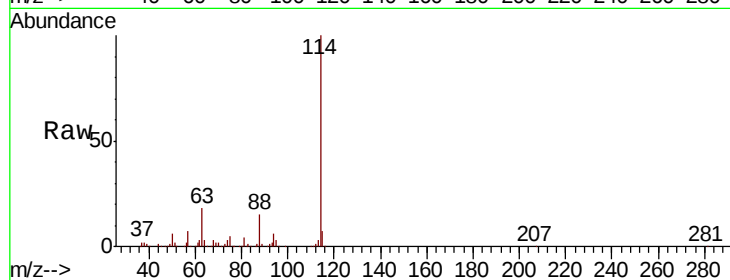
Tot Ion:114 Resp: 383003

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.2

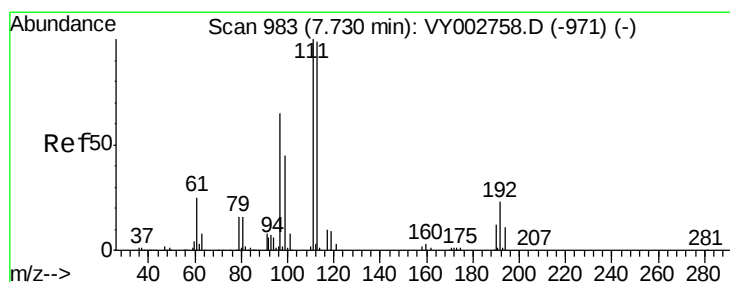
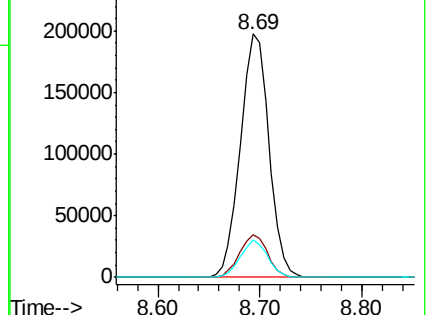
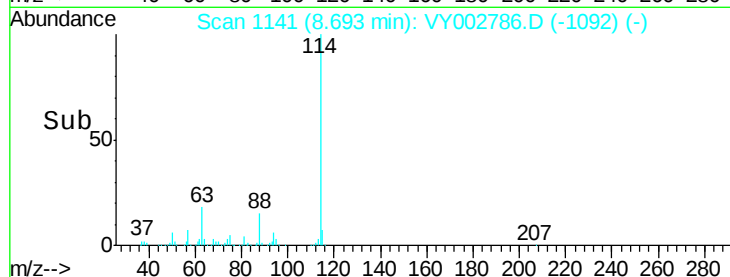
88 15.3 0.0 29.2



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: 52.071 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002786.D

Acq: 28 May 2020 12:33

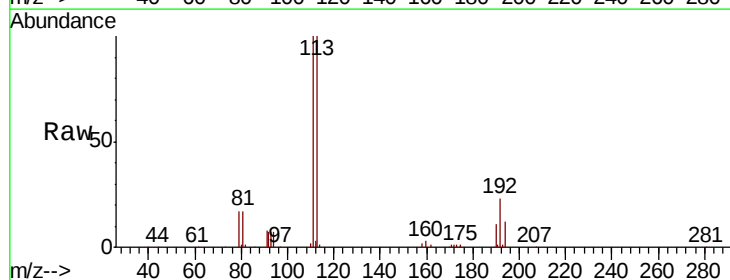
Tgt Ion:113 Resp: 116879

Ion Ratio Lower Upper

113 100

111 101.1 82.0 123.0

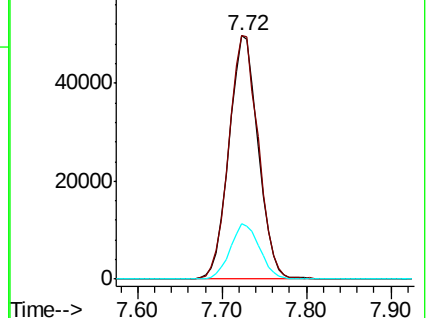
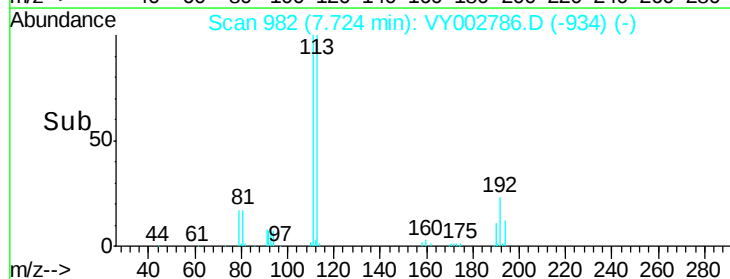
192 22.8 18.9 28.3

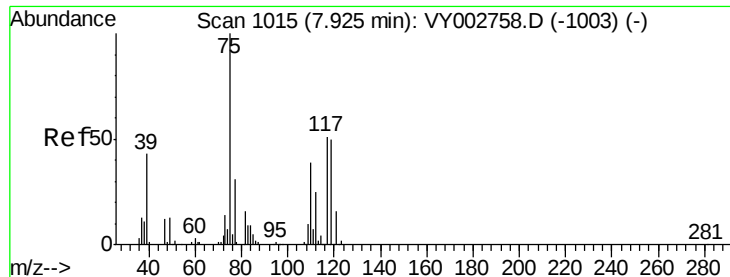


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

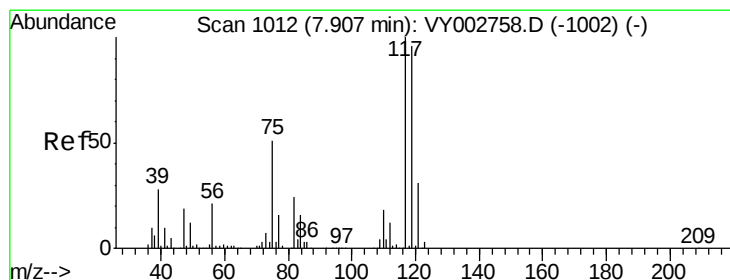
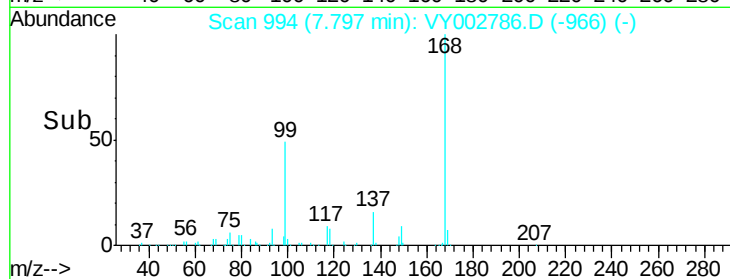
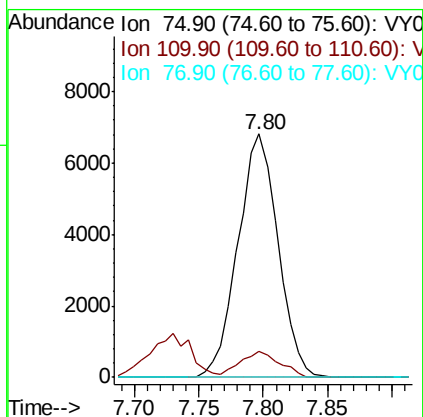
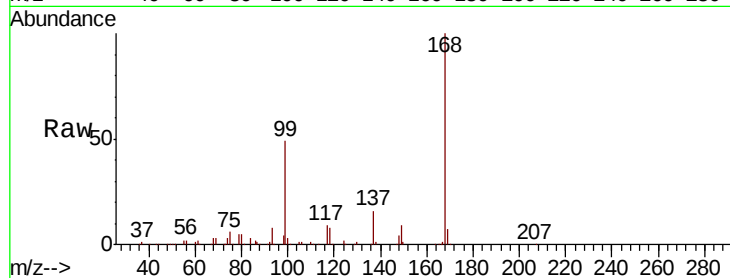




#36
 1,1-Dichloropropene
 Concen: 4.550 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002786.D
 Acq: 28 May 2020 12:33

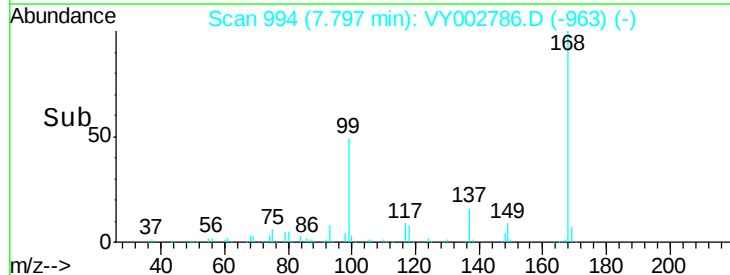
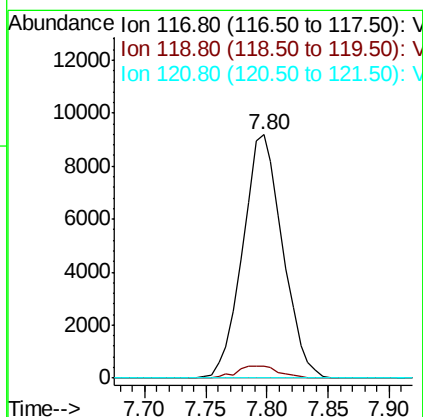
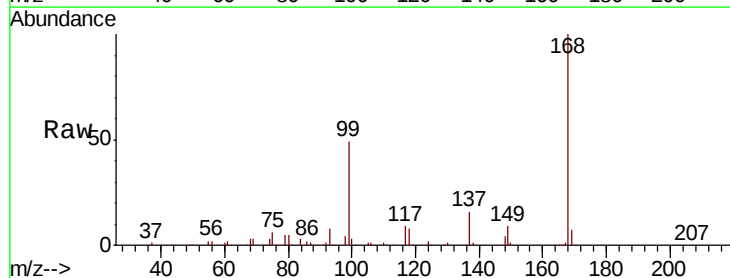
Instrument :
 MSVOA_Y
 ClientSampled :

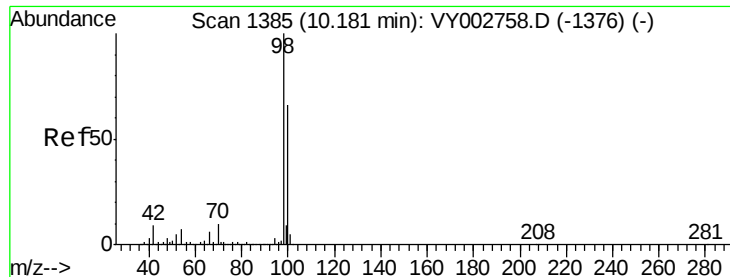
Tot Ion	75	Resp	14681
Ion Ratio	100	Lower	Upper
75	100		
110	10.5	19.3	57.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.820 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY002786.D
 Acq: 28 May 2020 12:33

Tgt Ion	117	Resp	20860
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.8	76.8	115.2#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 49.419 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002786.D

Acq: 28 May 2020 12:33

Instrument :

MSVOA_Y

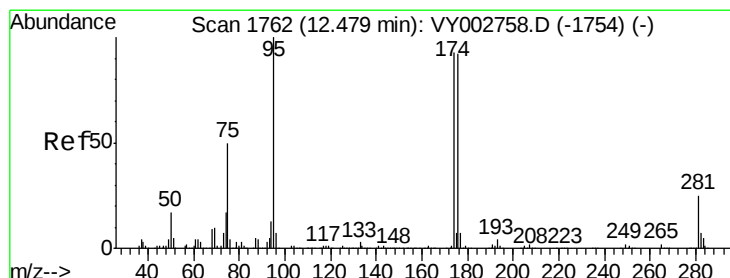
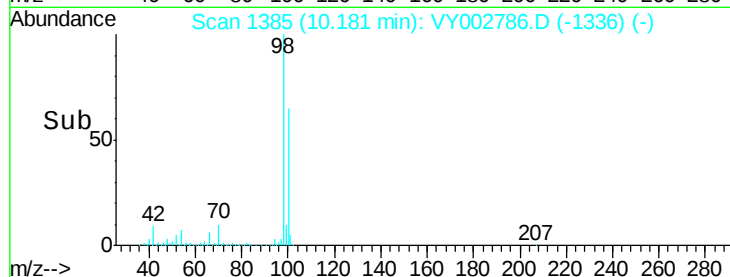
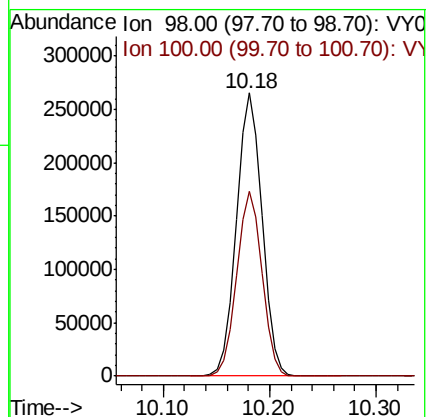
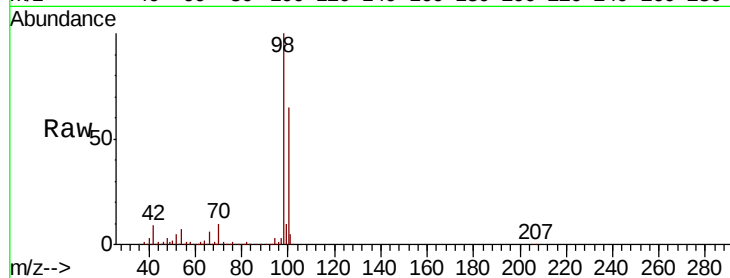
ClientSampleId :

Tot Ion: 98 Resp: 448503

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 47.605 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002786.D

Acq: 28 May 2020 12:33

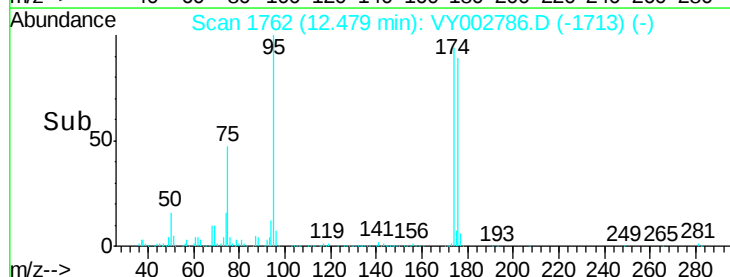
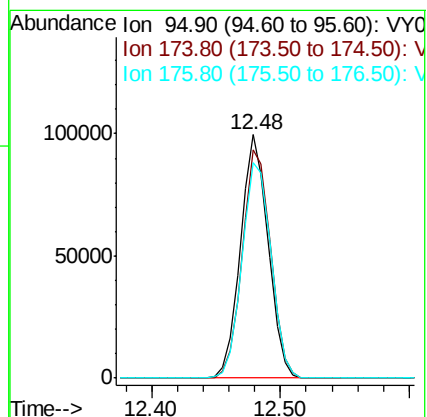
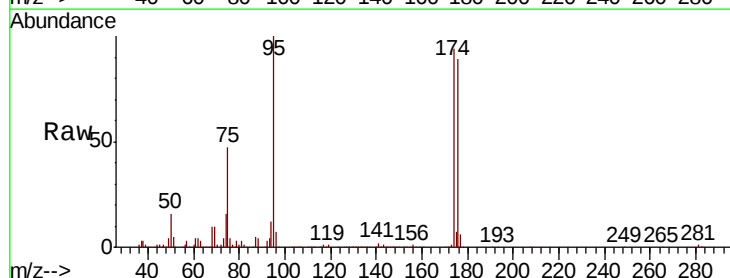
Tgt Ion: 95 Resp: 147650

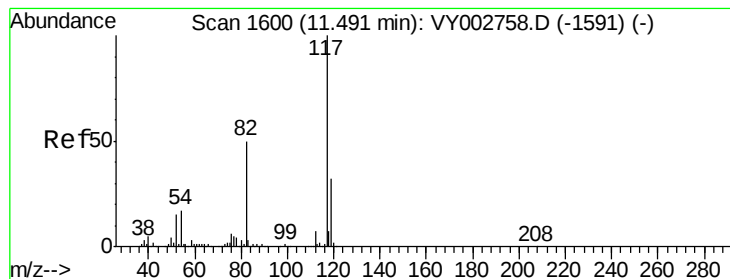
Ion Ratio Lower Upper

95 100

174 96.1 0.0 191.2

176 92.7 0.0 188.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY002786.D

Acq: 28 May 2020 12:33

Instrument :

MSVOA_Y

ClientSampled :

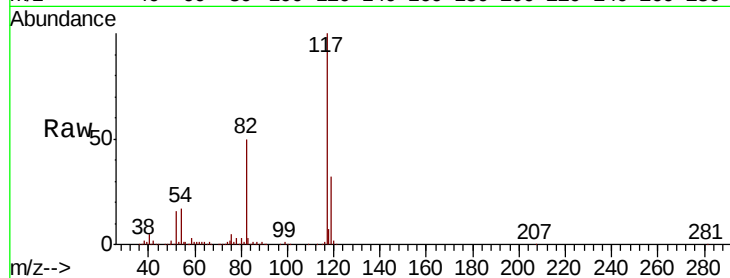
Tot Ion:117 Resp: 348478

Ion Ratio Lower Upper

117 100

82 50.2 40.2 60.4

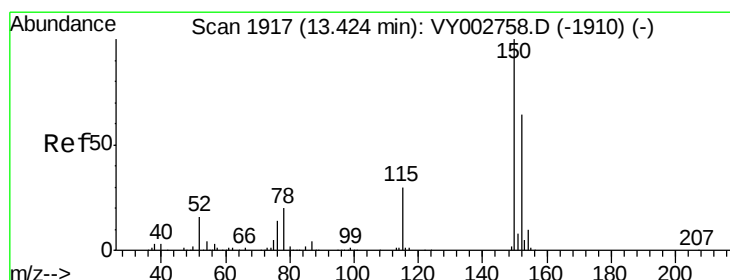
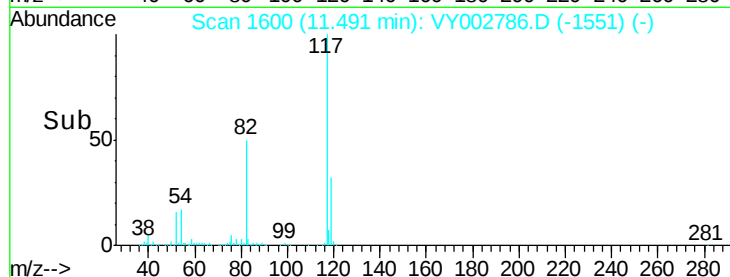
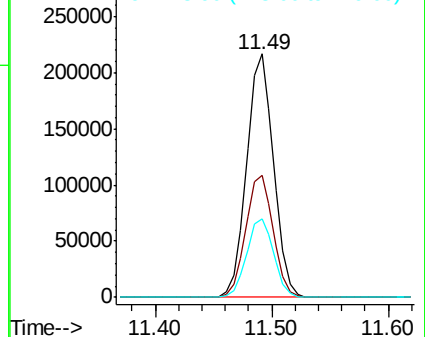
119 32.2 25.8 38.8



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: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY002786.D

Acq: 28 May 2020 12:33

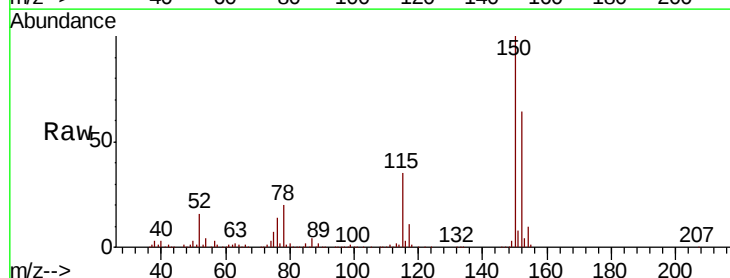
Tgt Ion:152 Resp: 174163

Ion Ratio Lower Upper

152 100

115 52.9 27.0 81.0

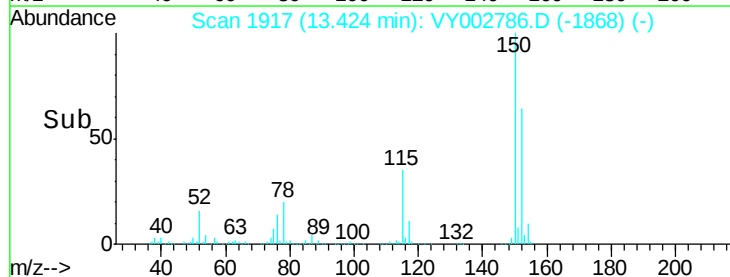
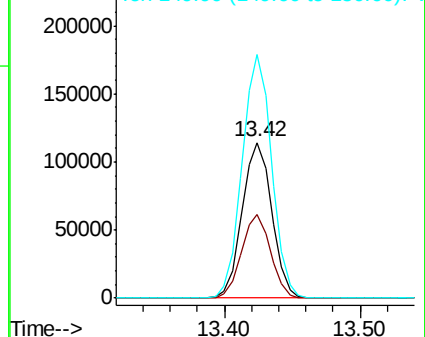
150 155.4 0.0 344.8

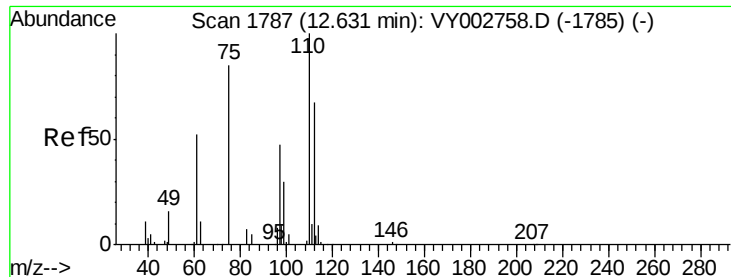


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 44.763 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002786.D

Acq: 28 May 2020 12:33

Instrument :

MSVOA_Y

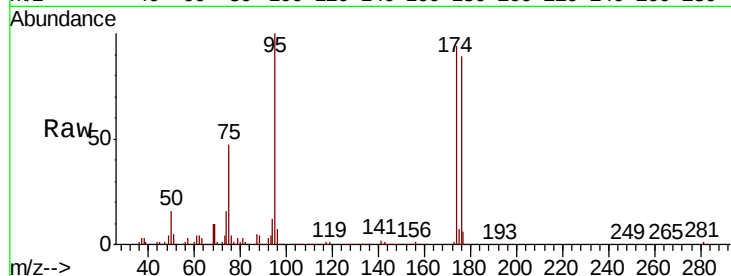
ClientSampled :

Tot Ion: 75 Resp: 70247

Ion Ratio Lower Upper

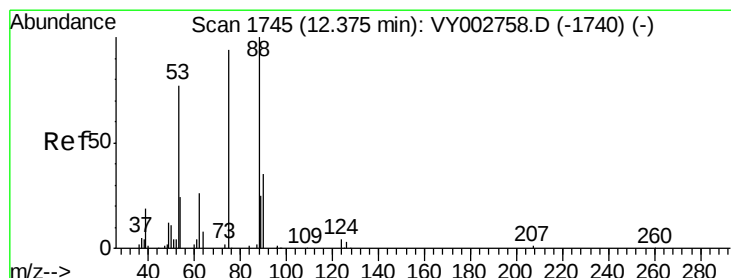
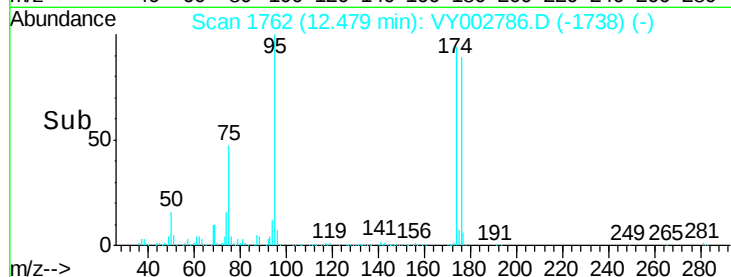
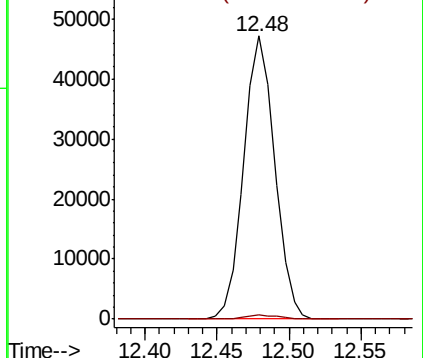
75 100

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: 84.333 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002786.D

Acq: 28 May 2020 12:33

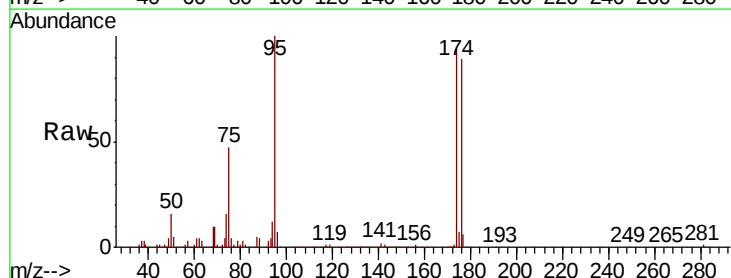
Tgt Ion: 75 Resp: 70247

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

89 0.1 37.4 56.2#



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

