

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY060320\
 Data File : VY002822.D
 Acq On : 03 Jun 2020 10:41
 Operator : SY/MD
 Sample : VY0603SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0603SBL01

Quant Time: Jun 03 12:54:49 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	308966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	500135	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	466443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	230249	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	148753	55.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.90%	
35) Dibromofluoromethane	7.72	113	154559	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
50) Toluene-d8	10.18	98	581213	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
62) 4-Bromofluorobenzene	12.48	95	201147	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

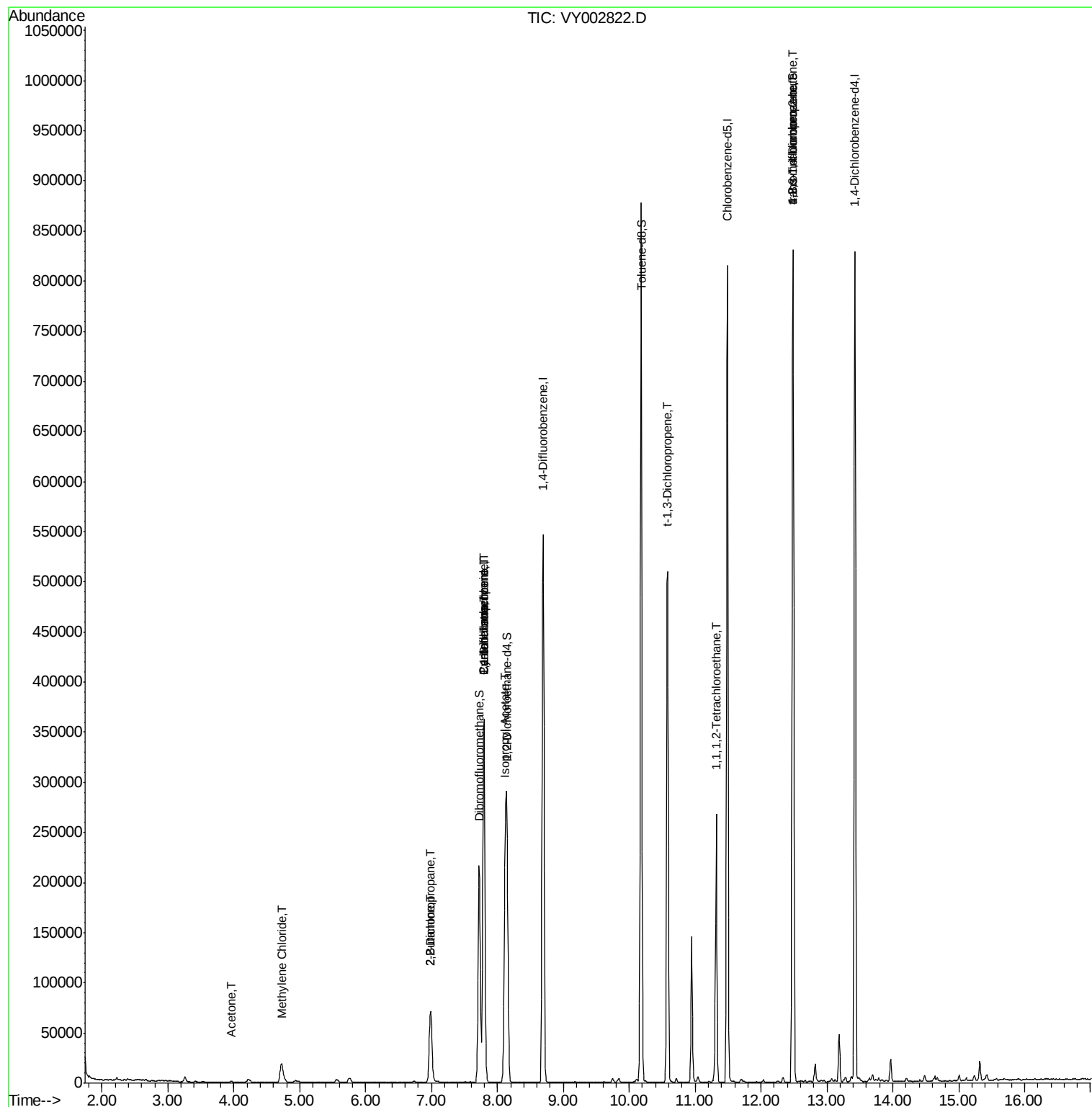
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.94	59	1475	Below Cal	#	74
16) Acetone	3.96	43	1723	2.74	ug/l	# 76
18) Methyl Acetate	4.50	43	833	Below Cal	#	54
20) Methylene Chloride	4.72	84	15186	4.94	ug/l	# 99
25) 2-Butanone	6.99	43	3520	3.59	ug/l	# 74
26) 2,2-Dichloropropane	6.99	77	5504	1.25	ug/l	# 51
31) Cyclohexane	7.79	56	4733	1.04	ug/l	# 1
36) 1,1-Dichloropropene	7.80	75	19433	4.61	ug/l	# 48
38) Carbon Tetrachloride	7.80	117	27076	5.79	ug/l	# 16
43) Isopropyl Acetate	8.11	43	4452	1.02	ug/l	# 3
53) t-1,3-Dichloropropene	10.58	75	5407	1.18	ug/l	# 58
66) 1,1,1,2-Tetrachloroethane	11.32	131	4385	1.26	ug/l	# 1
76) 1,2,3-Trichloropropane	12.48	75	96403	46.47	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.48	75	96403	87.54	ug/l	# 17

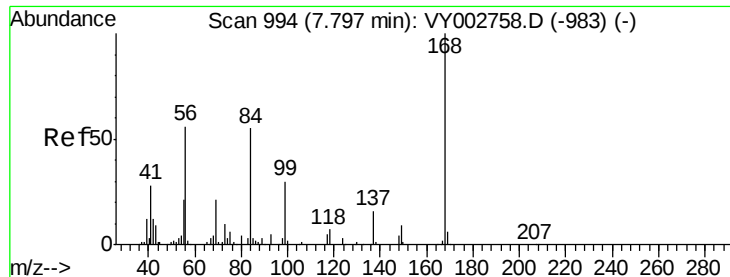
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002822.D

Acq: 03 Jun 2020 10:41

Instrument :

MSVOA_Y

ClientSampleId :

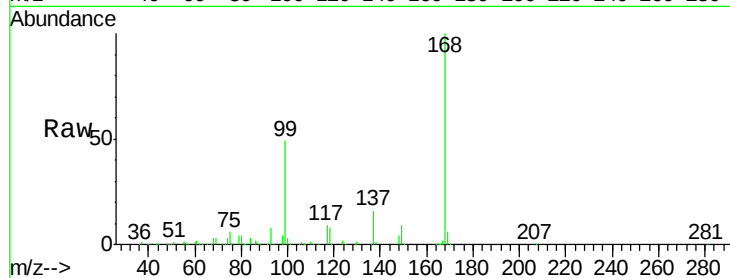
VY0603SBL01

Tgt Ion:168 Resp: 308966

Ion Ratio Lower Upper

168 100

99 49.0 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

150000

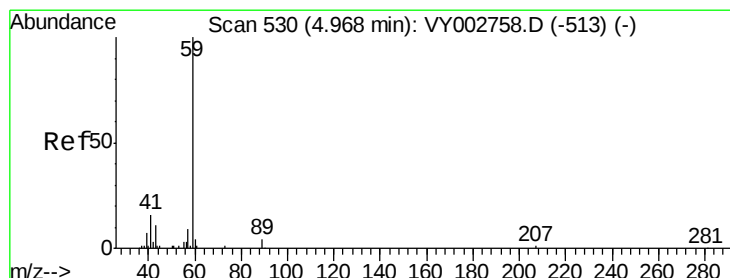
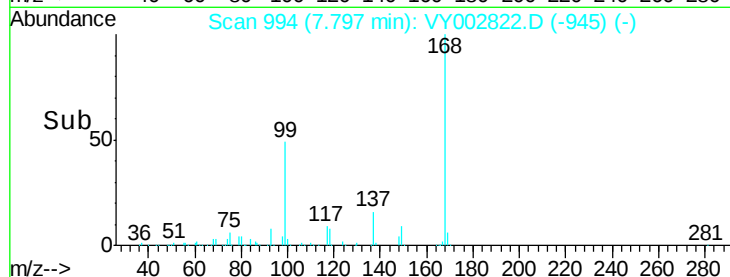
100000

50000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.94 min Scan# 526

Delta R.T. -0.02 min

Lab File: VY002822.D

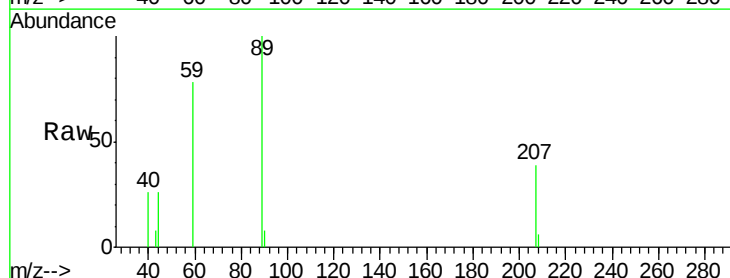
Acq: 03 Jun 2020 10:41

Tgt Ion: 59 Resp: 1475

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) (-)

4.94

800

600

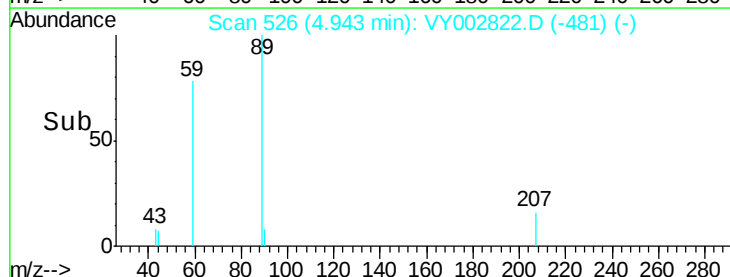
400

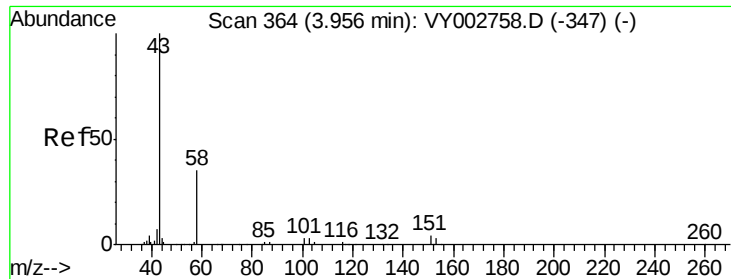
200

0

4.85 4.90 4.95

Time-->





#16

Acetone

Concen: 2.74 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY002822.D

Acq: 03 Jun 2020 10:41

Instrument :

MSVOA_Y

ClientSampleId :

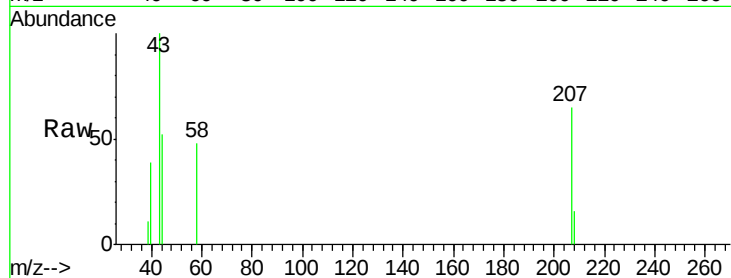
VY0603SBL01

Tgt Ion: 43 Resp: 1723

Ion Ratio Lower Upper

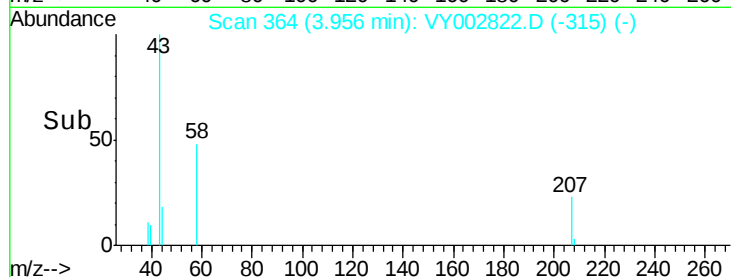
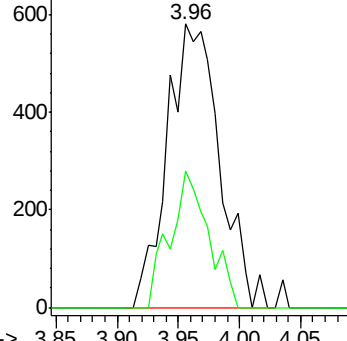
43 100

58 48.2 27.7 41.5#

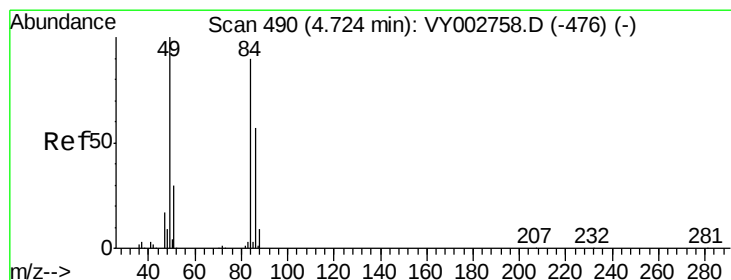


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#20

Methylene Chloride

Concen: 4.94 ug/l

RT: 4.72 min Scan# 490

Delta R.T. -0.00 min

Lab File: VY002822.D

Acq: 03 Jun 2020 10:41

Tgt Ion: 84 Resp: 15186

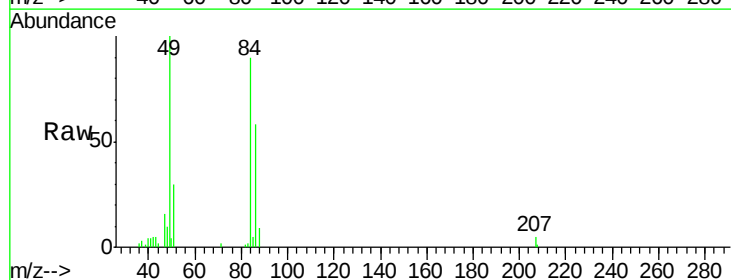
Ion Ratio Lower Upper

84 100

49 111.4 88.5 132.7

51 33.3 26.8 40.2

86 64.2 50.6 75.8

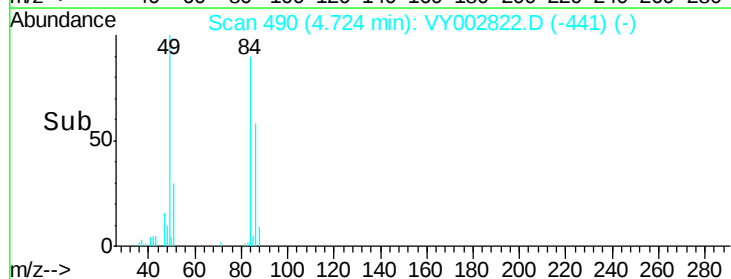
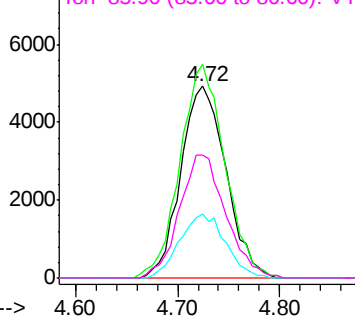


Abundance Ion 83.90 (83.60 to 84.60): VY0

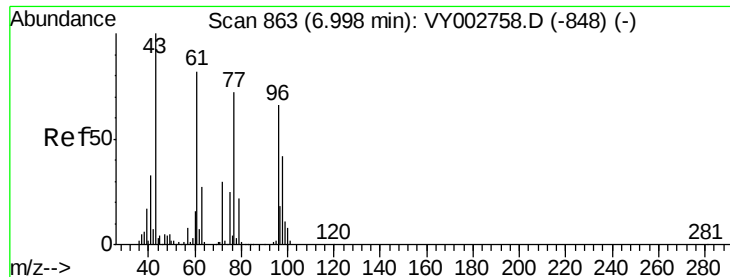
Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



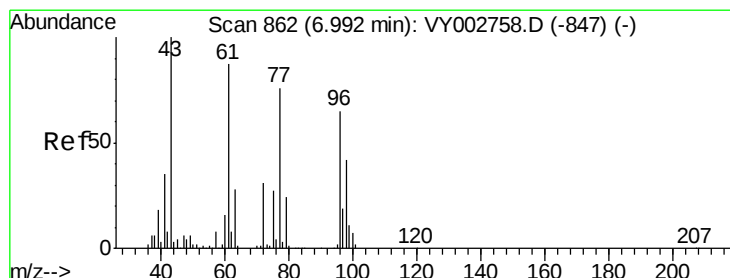
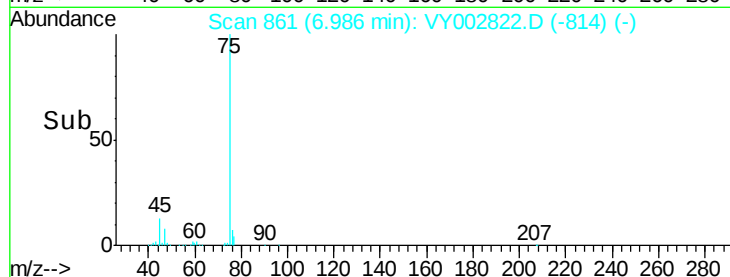
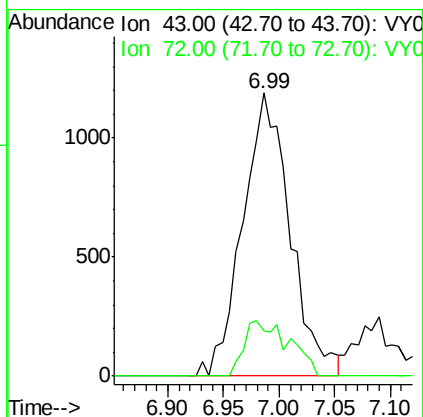
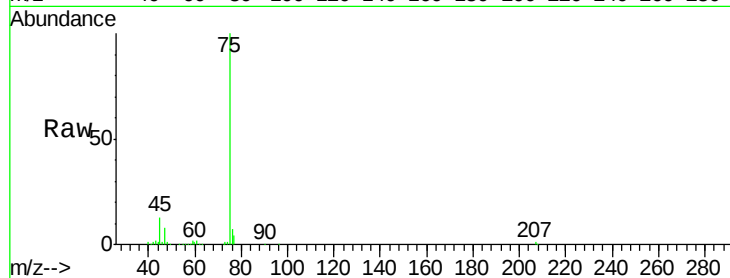
Time-->



#25
 2-Butanone
 Concen: 3.59 ug/l
 RT: 6.99 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: VY002822.D
 Acq: 03 Jun 2020 10:41

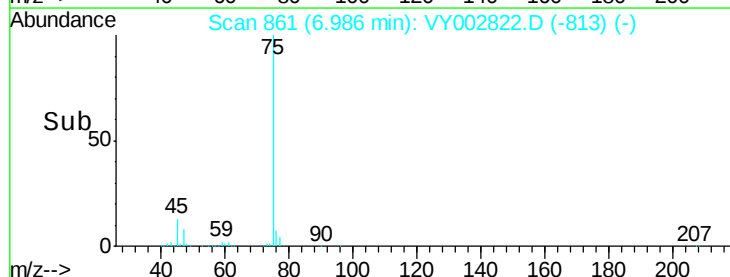
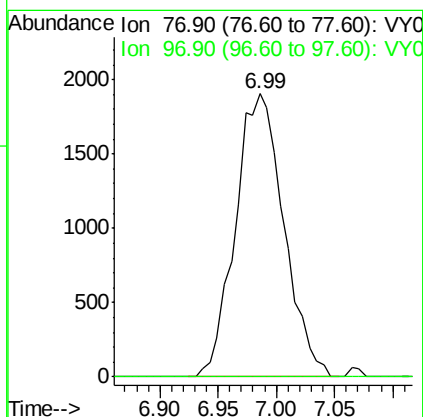
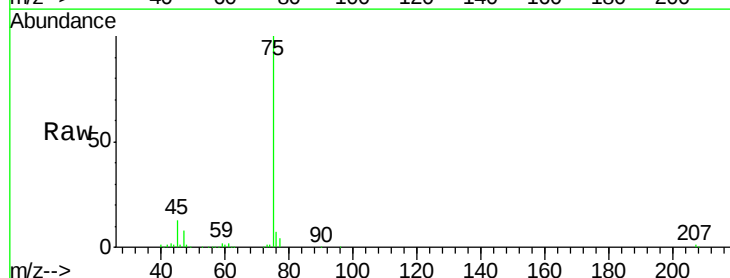
Instrument :
 MSVOA_Y
 ClientSampled :
 VY0603SBL01

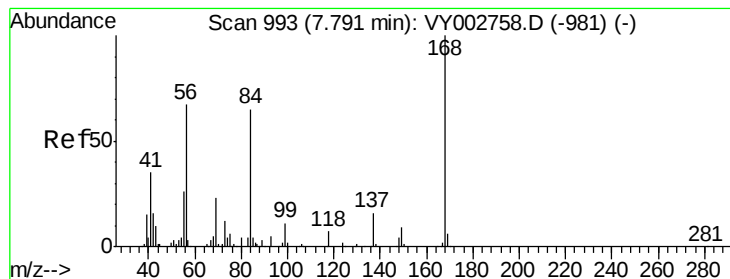
Tgt Ion: 43 Resp: 3520
 Ion Ratio Lower Upper
 43 100
 72 16.0 23.9 35.9#



#26
 2,2-Dichloropropane
 Concen: 1.25 ug/l
 RT: 6.99 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: VY002822.D
 Acq: 03 Jun 2020 10:41

Tgt Ion: 77 Resp: 5504
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.2 36.6#





#31

Cyclohexane

Concen: 1.04 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY002822.D

Acq: 03 Jun 2020 10:41

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBL01

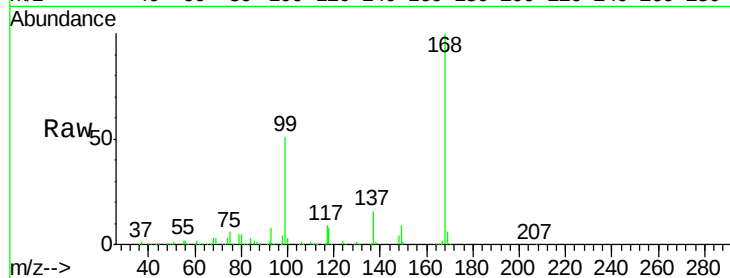
Tgt Ion: 56 Resp: 4733

Ion Ratio Lower Upper

56 100

69 182.4 28.0 42.0#

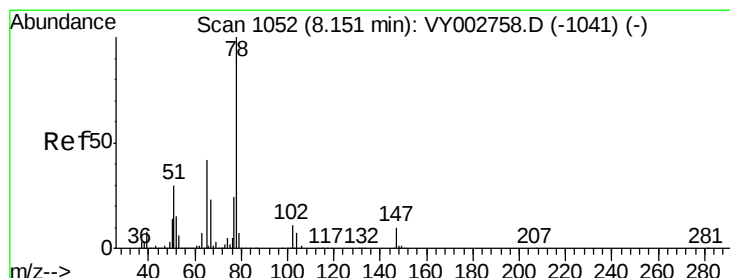
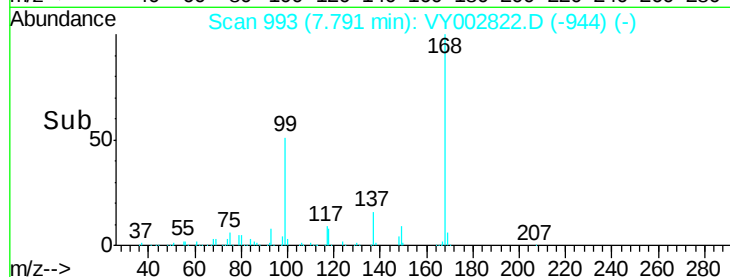
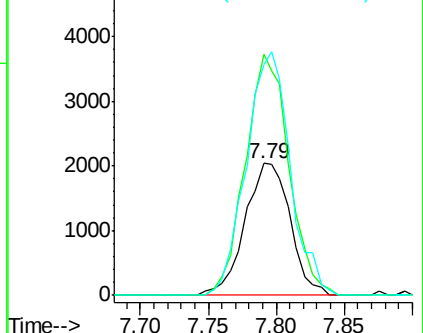
84 174.8 77.7 116.5#



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: 55.45 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY002822.D

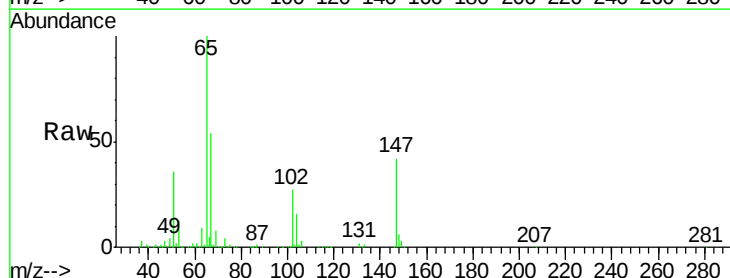
Acq: 03 Jun 2020 10:41

Tgt Ion: 65 Resp: 148753

Ion Ratio Lower Upper

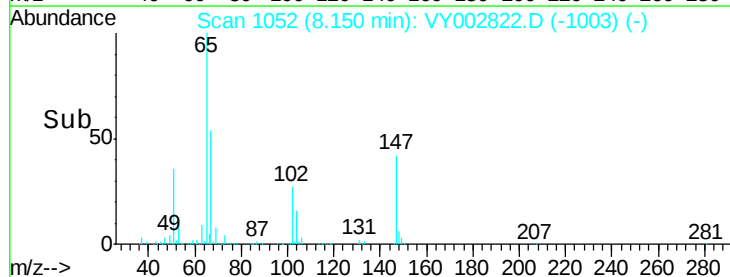
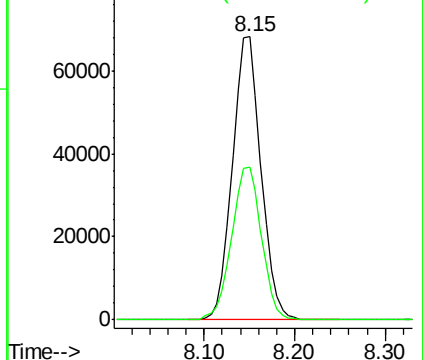
65 100

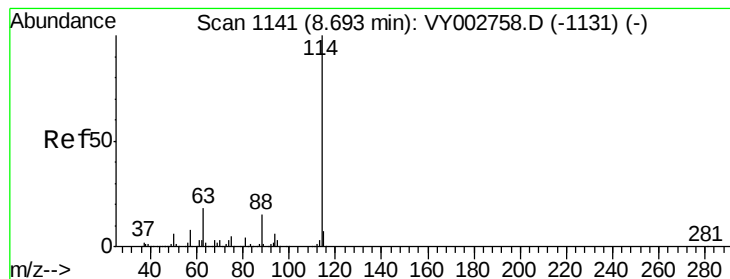
67 56.4 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY002822.D

Acq: 03 Jun 2020 10:41

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBL01

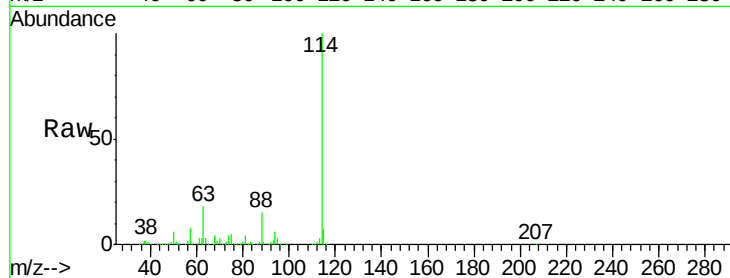
Tgt Ion:114 Resp: 500135

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.2

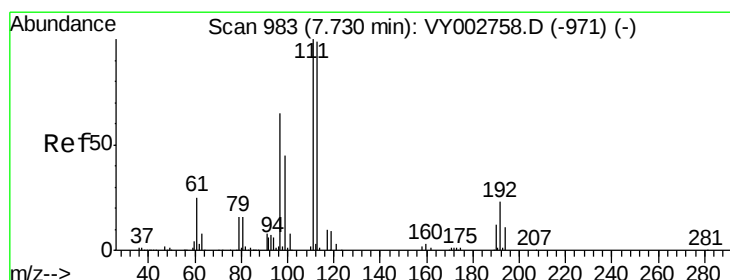
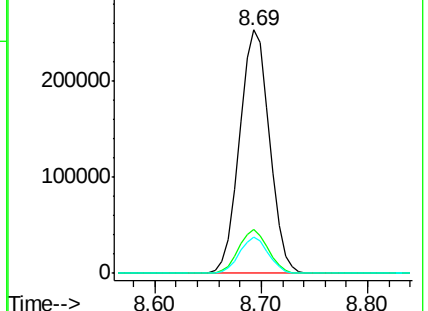
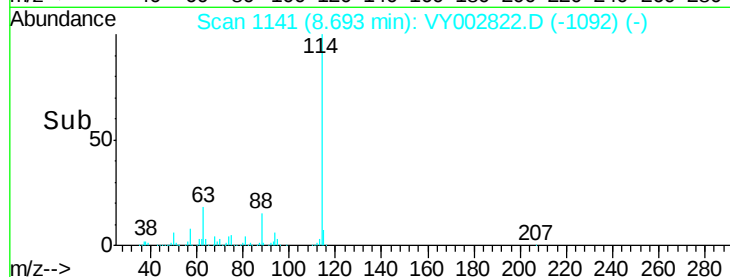
88 14.8 0.0 29.2



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: 52.73 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002822.D

Acq: 03 Jun 2020 10:41

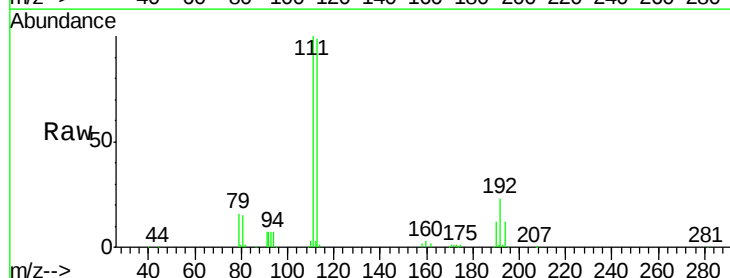
Tgt Ion:113 Resp: 154559

Ion Ratio Lower Upper

113 100

111 102.3 82.0 123.0

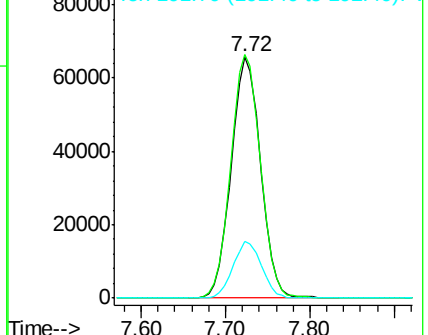
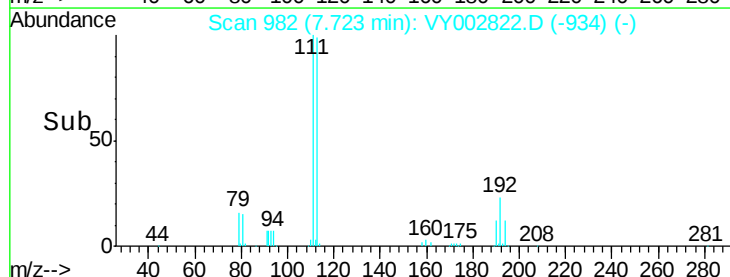
192 22.8 18.9 28.3

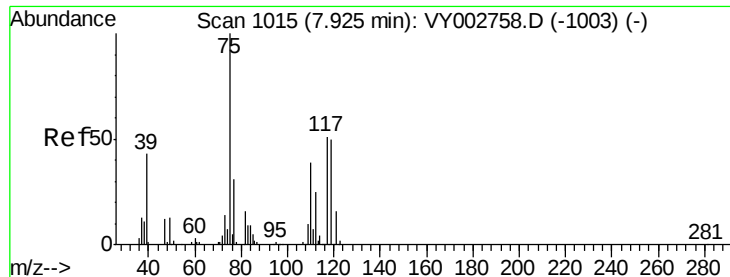


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.61 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY002822.D

Acq: 03 Jun 2020 10:41

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBL01

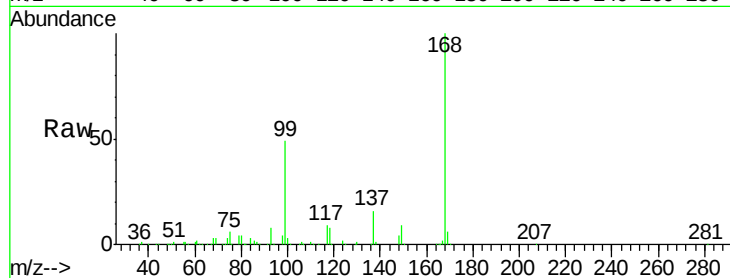
Tgt Ion: 75 Resp: 19433

Ion Ratio Lower Upper

75 100

110 8.8 19.3 57.9#

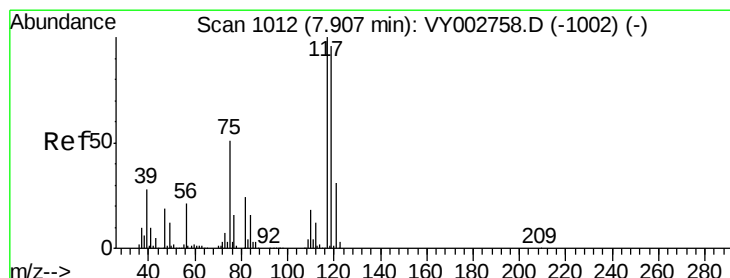
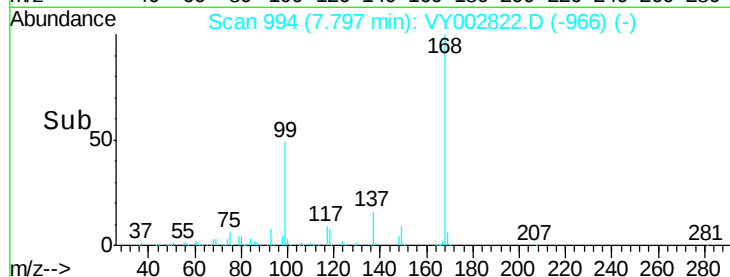
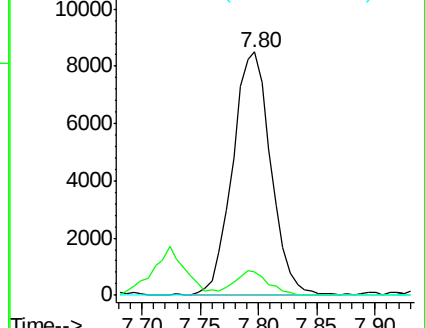
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#38

Carbon Tetrachloride

Concen: 5.79 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002822.D

Acq: 03 Jun 2020 10:41

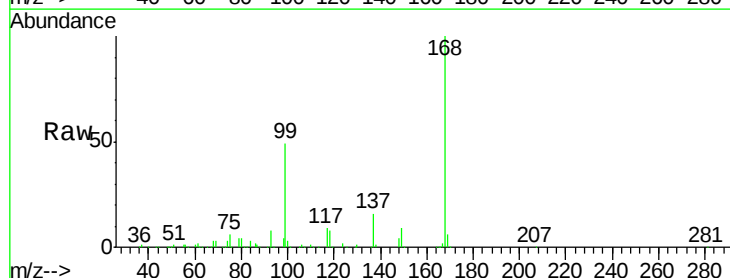
Tgt Ion: 117 Resp: 27076

Ion Ratio Lower Upper

117 100

119 5.0 76.8 115.2#

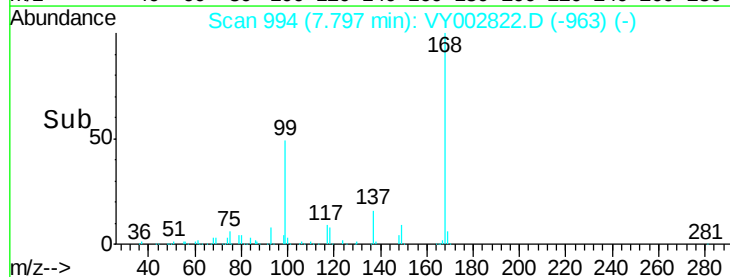
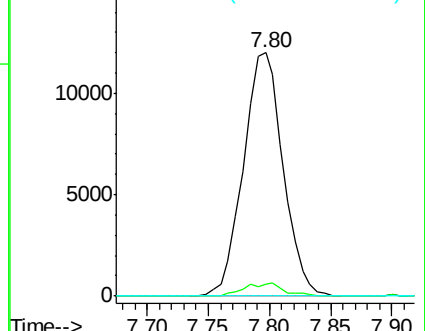
121 0.0 24.8 37.2#

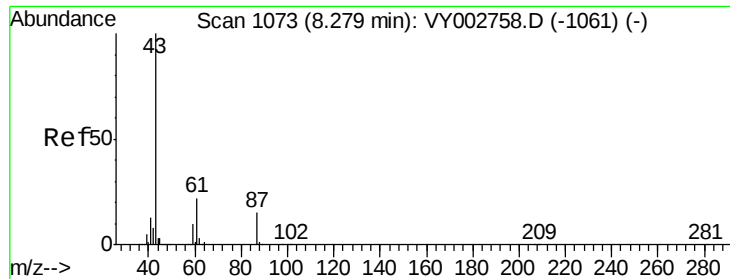


Abundance Ion 116.80 (116.50 to 117.50): VY0

Ion 118.80 (118.50 to 119.50): VY0

Ion 120.80 (120.50 to 121.50): VY0





#43

Isopropyl Acetate

Concen: 1.02 ug/l

RT: 8.11 min Scan# 1046

Delta R.T. -0.16 min

Lab File: VY002822.D

Acq: 03 Jun 2020 10:41

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBL01

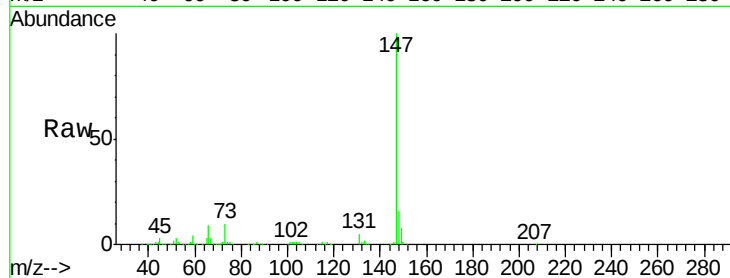
Tgt Ion: 43 Resp: 4452

Ion Ratio Lower Upper

43 100

61 0.0 24.8 37.2#

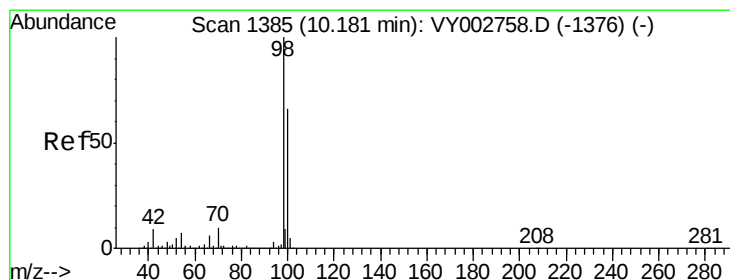
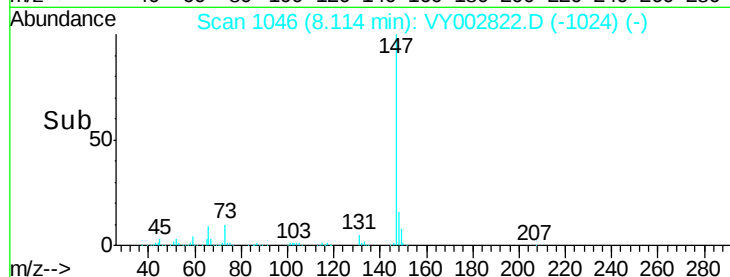
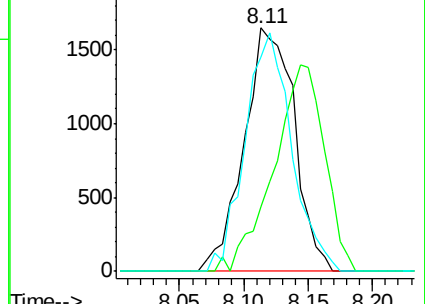
87 90.7 12.4 18.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#50

Toluene-d8

Concen: 49.04 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002822.D

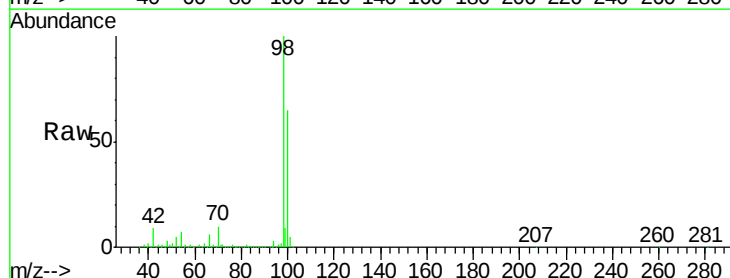
Acq: 03 Jun 2020 10:41

Tgt Ion: 98 Resp: 581213

Ion Ratio Lower Upper

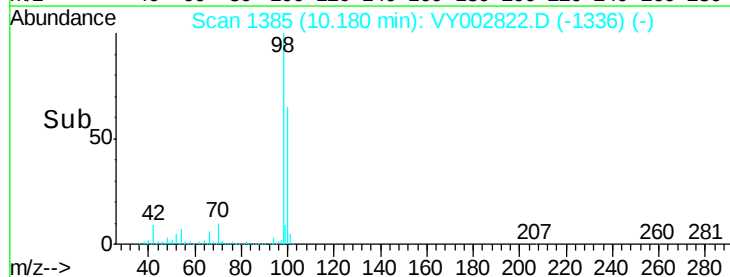
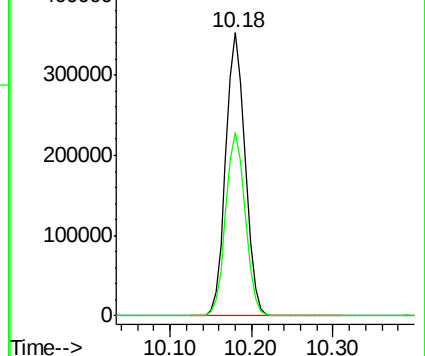
98 100

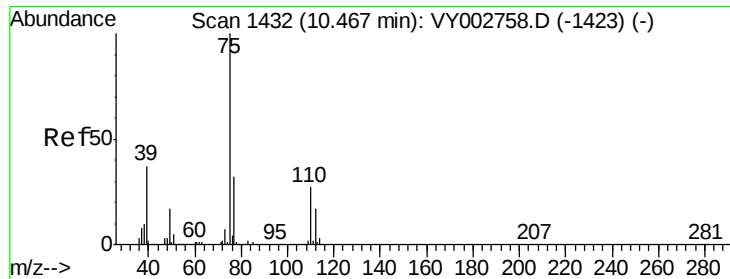
100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#53

t-1,3-Dichloropropene

Concen: 1.18 ug/l

RT: 10.58 min Scan# 1450

Delta R.T. 0.11 min

Lab File: VY002822.D

Acq: 03 Jun 2020 10:41

Instrument :

MSVOA_Y

ClientSampleId :

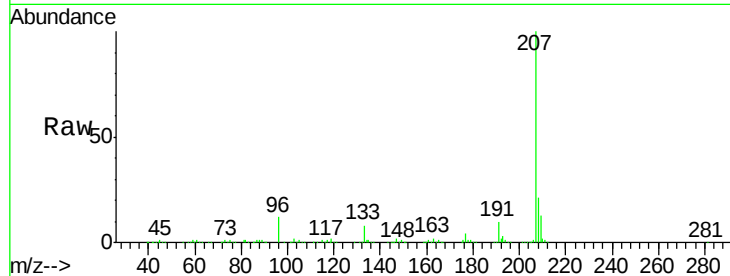
VY0603SBL01

Tgt Ion: 75 Resp: 5407

Ion Ratio Lower Upper

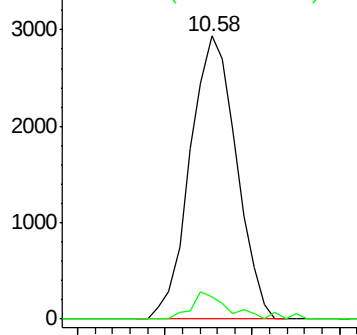
75 100

77 8.1 25.3 37.9#

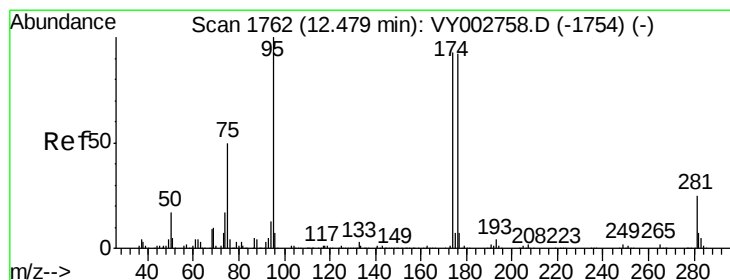
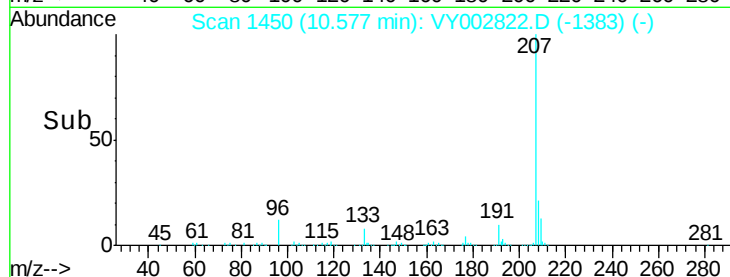


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



Time-->



#62

4-Bromofluorobenzene

Concen: 49.66 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002822.D

Acq: 03 Jun 2020 10:41

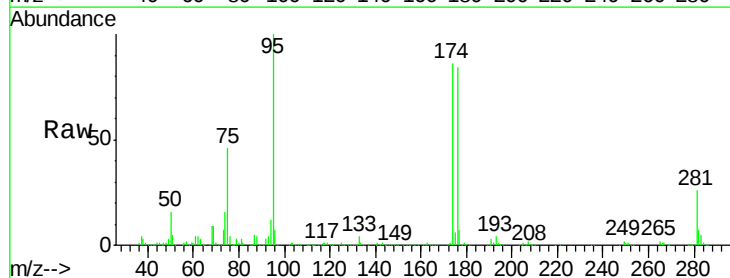
Tgt Ion: 95 Resp: 201147

Ion Ratio Lower Upper

95 100

174 93.5 0.0 191.2

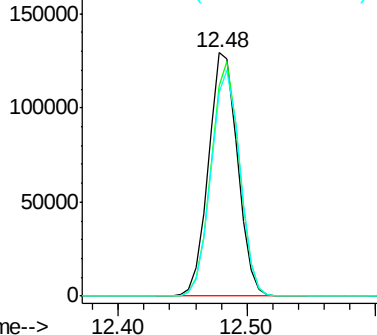
176 91.7 0.0 188.8



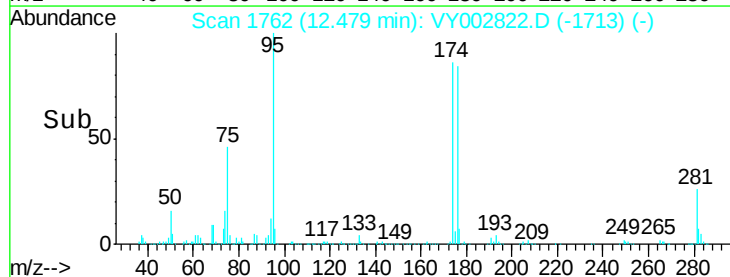
Abundance Ion 94.90 (94.60 to 95.60): VY0

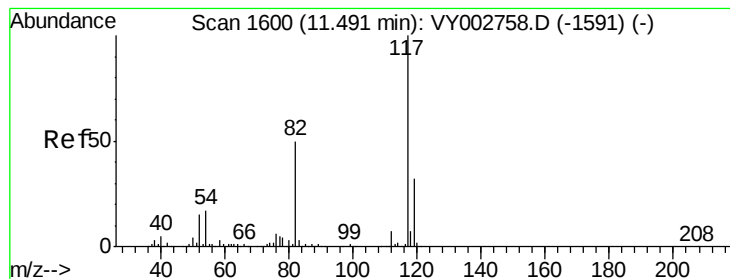
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY002822.D

Acq: 03 Jun 2020 10:41

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBL01

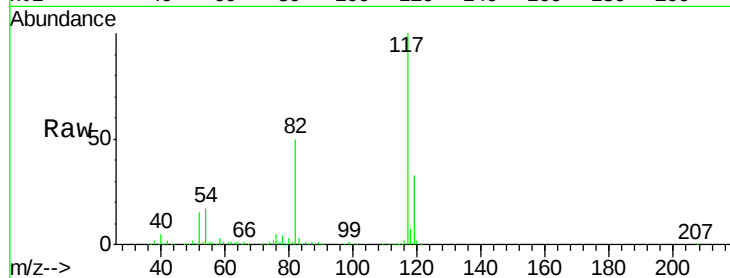
Tgt Ion:117 Resp: 466443

Ion Ratio Lower Upper

117 100

82 50.5 40.2 60.4

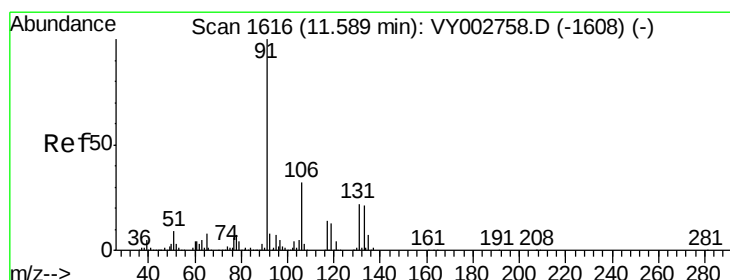
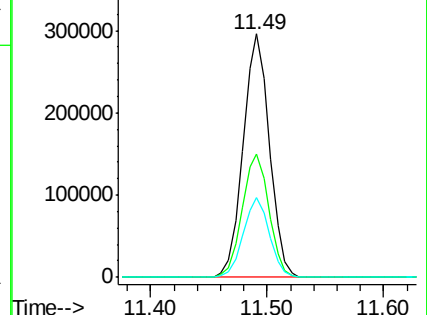
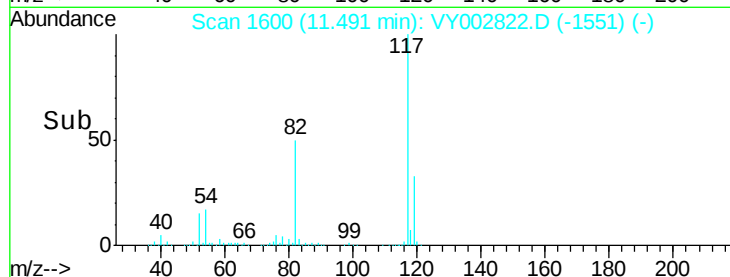
119 32.8 25.8 38.8



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



#66

1,1,1,2-Tetrachloroethane

Concen: 1.26 ug/l

RT: 11.32 min Scan# 1572

Delta R.T. -0.27 min

Lab File: VY002822.D

Acq: 03 Jun 2020 10:41

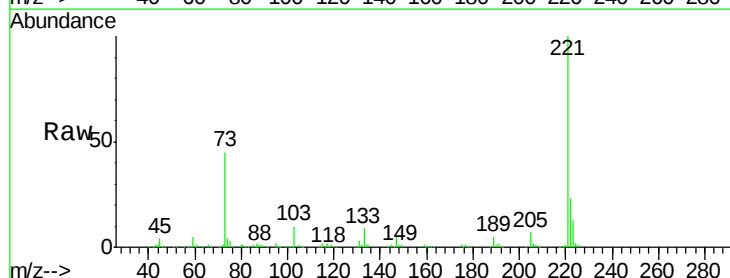
Tgt Ion:131 Resp: 4385

Ion Ratio Lower Upper

131 100

133 288.1 47.6 142.8#

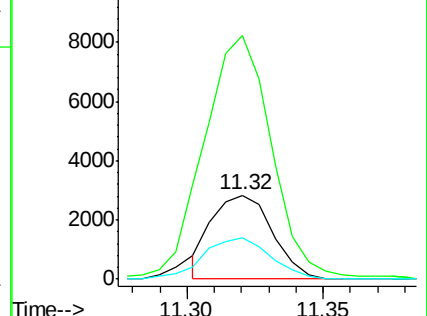
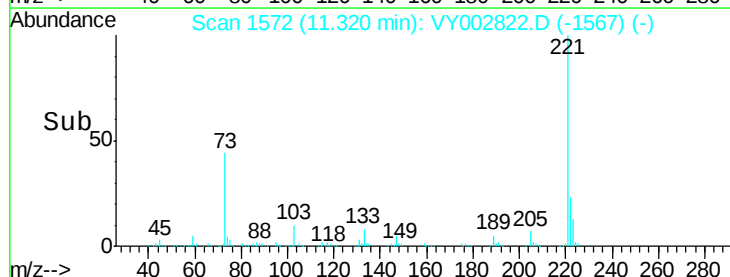
119 0.0 31.7 95.1#

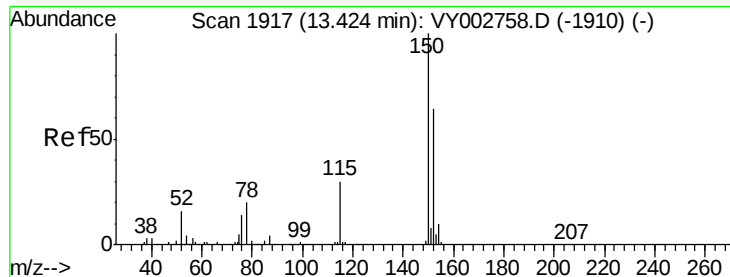


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY002822.D

Acq: 03 Jun 2020 10:41

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBL01

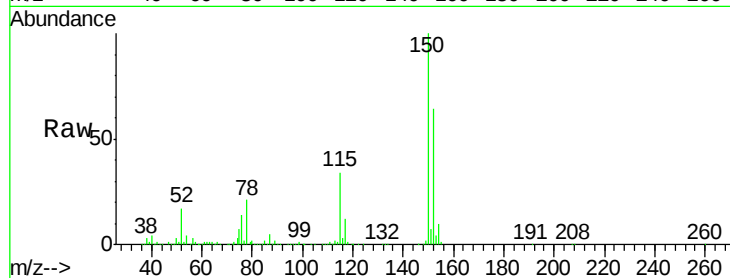
Tgt Ion:152 Resp: 230249

Ion Ratio Lower Upper

152 100

115 54.3 27.0 81.0

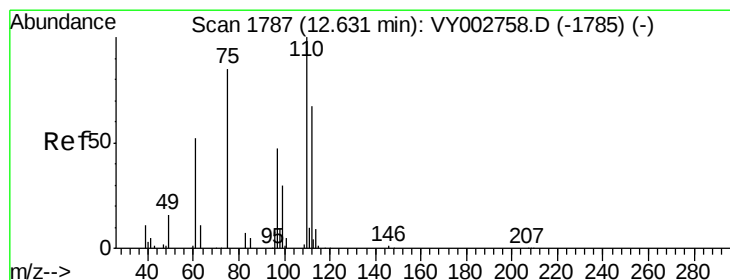
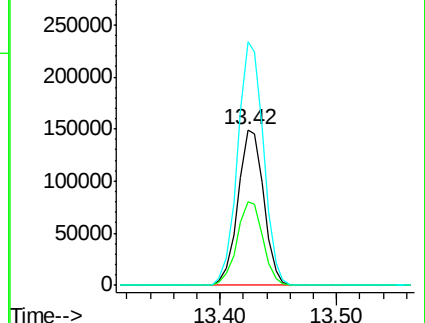
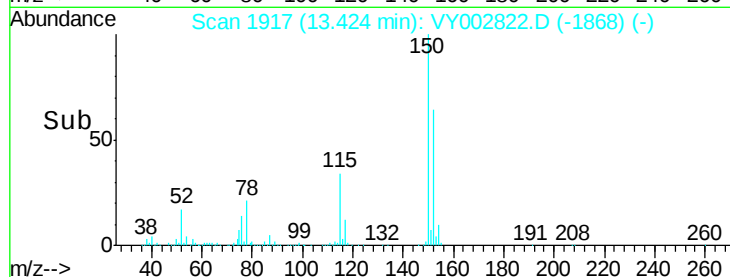
150 156.7 0.0 344.8



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: 46.47 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002822.D

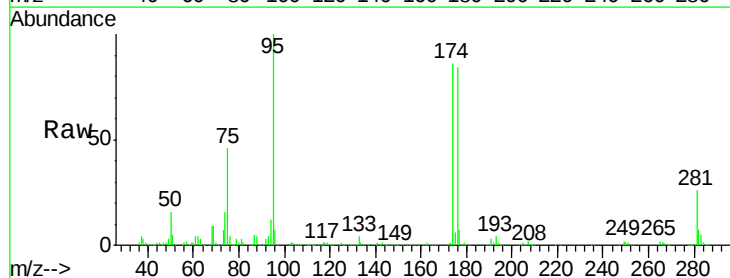
Acq: 03 Jun 2020 10:41

Tgt Ion: 75 Resp: 96403

Ion Ratio Lower Upper

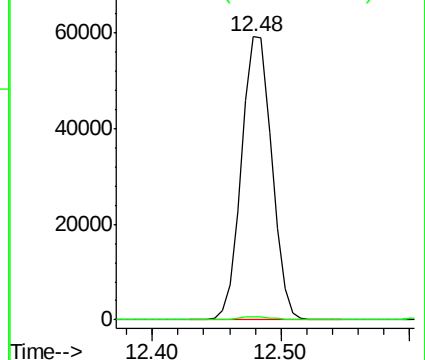
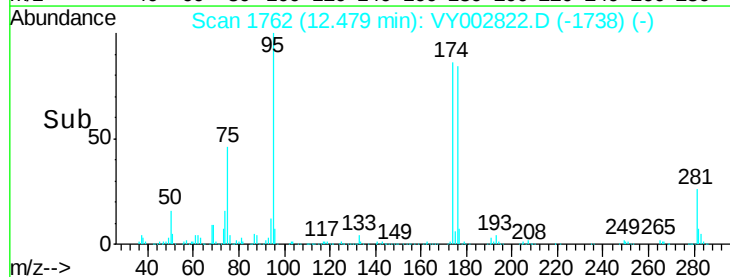
75 100

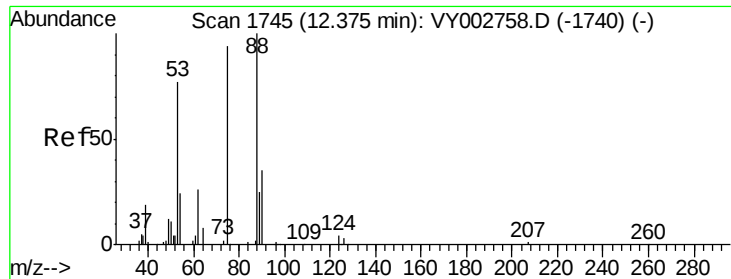
77 1.3 0.0 0.0#



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: 87.54 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002822.D

Acq: 03 Jun 2020 10:41

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBL01

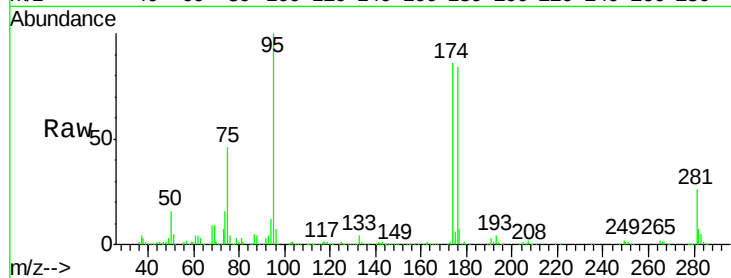
Tgt Ion: 75 Resp: 96403

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

89 0.8 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

