

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052920\
 Data File : VY002794.D
 Acq On : 29 May 2020 10:48
 Operator : SY/MD
 Sample : VY0529SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 30 03:54:39 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	267127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	432311	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	408833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	202014	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	130620	56.32	ug/l	0.00
Spiked Amount			Recovery	=	112.64%	
35) Dibromofluoromethane	7.72	113	132252	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	
50) Toluene-d8	10.18	98	501394	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
62) 4-Bromofluorobenzene	12.48	95	170948	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	

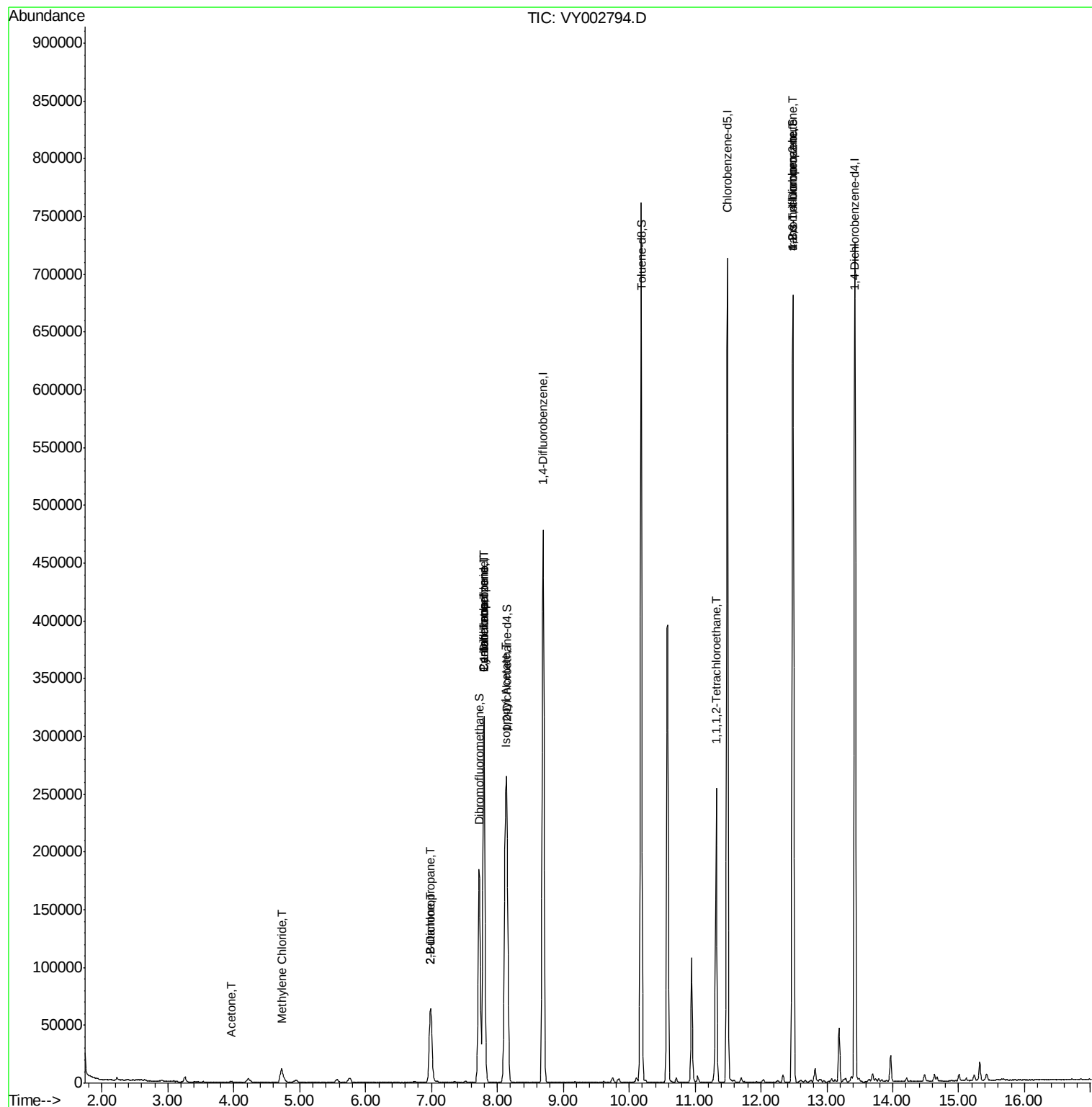
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.94	59	1218	Below Cal	#	74
16) Acetone	3.96	43	1618	2.975	ug/l #	81
18) Methyl Acetate	4.49	43	400	Below Cal	#	74
20) Methylene Chloride	4.72	84	9319	3.506	ug/l	94
25) 2-Butanone	6.99	43	3231	3.813	ug/l #	84
26) 2,2-Dichloropropane	6.99	77	4721	1.242	ug/l #	51
31) Cyclohexane	7.79	56	4227	1.075	ug/l #	4
36) 1,1-Dichloropropene	7.80	75	16664	4.576	ug/l #	49
38) Carbon Tetrachloride	7.80	117	24253	5.995	ug/l #	18
43) Isopropyl Acetate	8.12	43	3843	1.024	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	11.32	131	4139	1.360	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	83527	45.887	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	83527	86.451	ug/l #	17

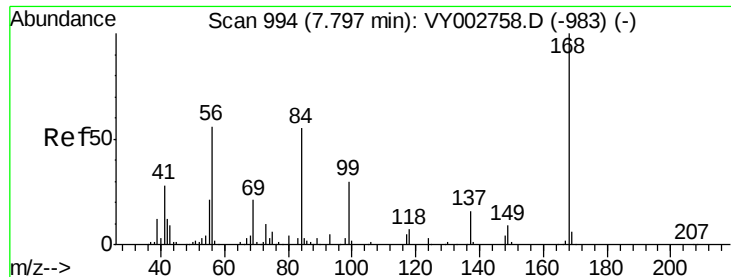
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002794.D

Acq: 29 May 2020 10:48

Instrument :

MSVOA_Y

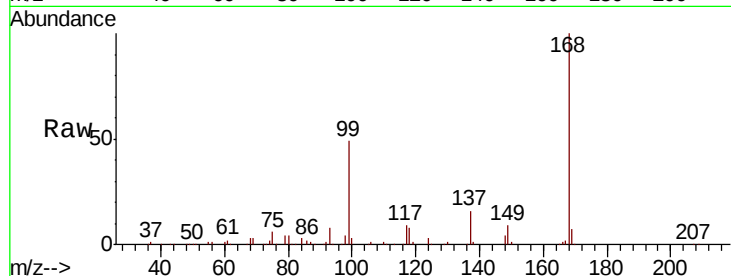
ClientSampleId :

Tot Ion:168 Resp: 267127

Ion Ratio Lower Upper

168 100

99 48.9 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) (-)

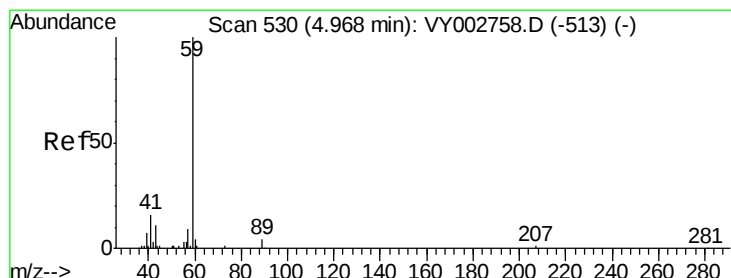
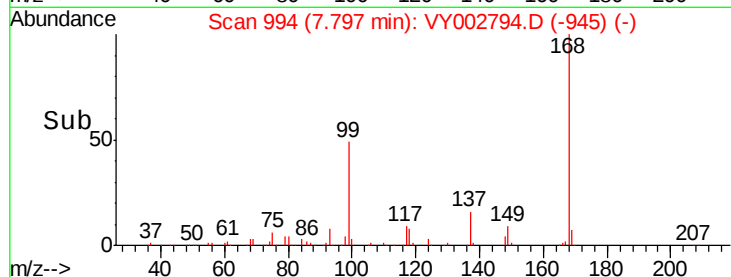
7.80

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.94 min Scan# 525

Delta R.T. -0.03 min

Lab File: VY002794.D

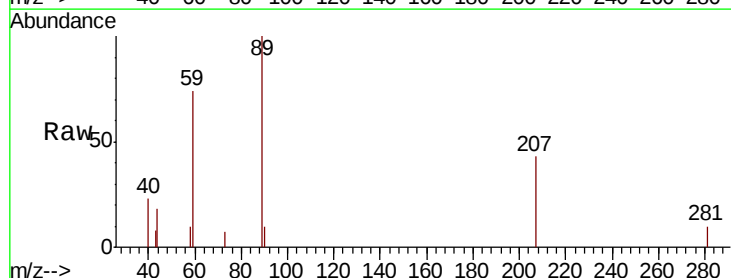
Acq: 29 May 2020 10:48

Tgt Ion: 59 Resp: 1218

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

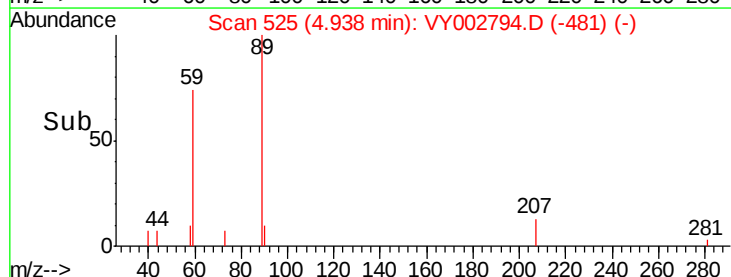
600

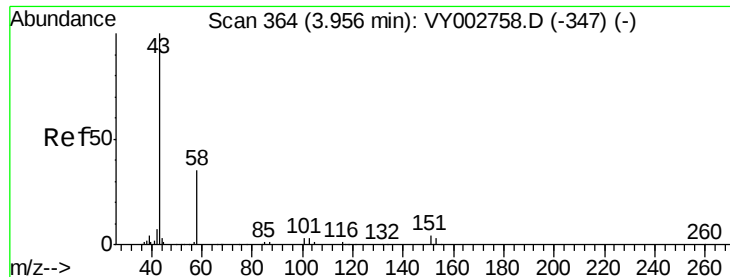
400

200

0

Time-->





#16

Acetone

Concen: 2.975 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002794.D

Acq: 29 May 2020 10:48

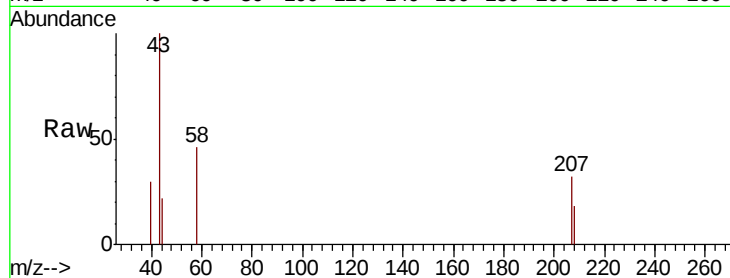
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 1618

Ion Ratio Lower Upper

43 100

58 45.5 27.7 41.5#



Abundance Ion 43.00 (42.70 to 43.70): VY002758.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002758.D (-347) (-)

3.96

800

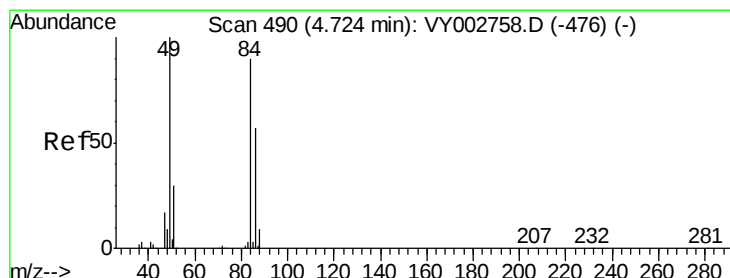
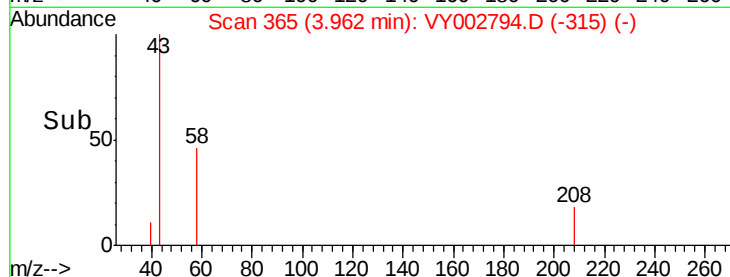
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 3.506 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY002794.D

Acq: 29 May 2020 10:48

Tgt Ion: 84 Resp: 9319

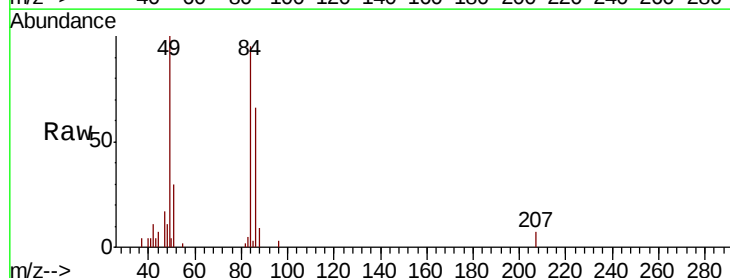
Ion Ratio Lower Upper

84 100

49 105.0 88.5 132.7

51 31.5 26.8 40.2

86 69.2 50.6 75.8



Abundance Ion 83.90 (83.60 to 84.60): VY002758.D (-476) (-)

Ion 48.90 (48.60 to 49.60): VY002758.D (-476) (-)

Ion 50.90 (50.60 to 51.60): VY002758.D (-476) (-)

Ion 85.90 (85.60 to 86.60): VY002758.D (-476) (-)

6000

5000

4000

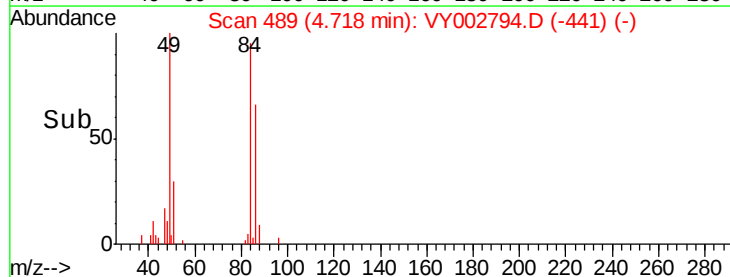
3000

2000

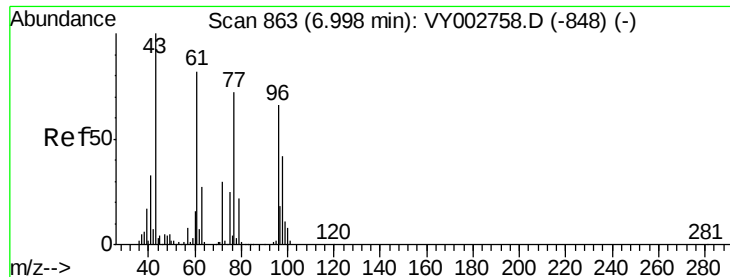
1000

0

Time-->



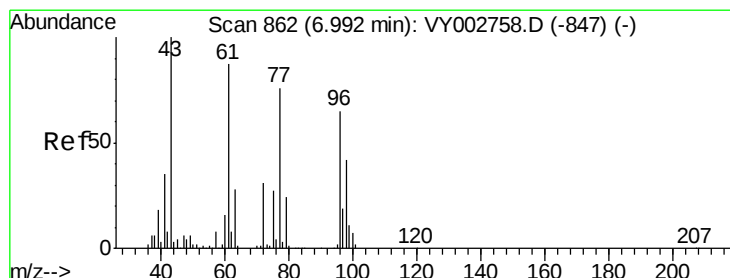
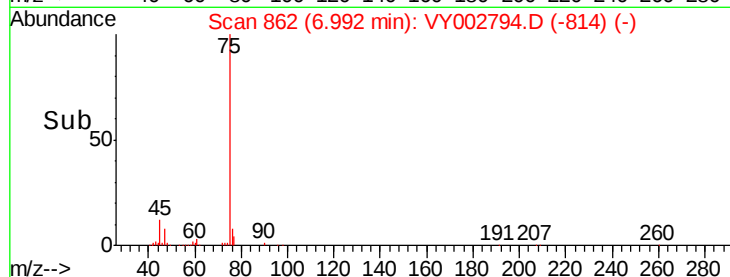
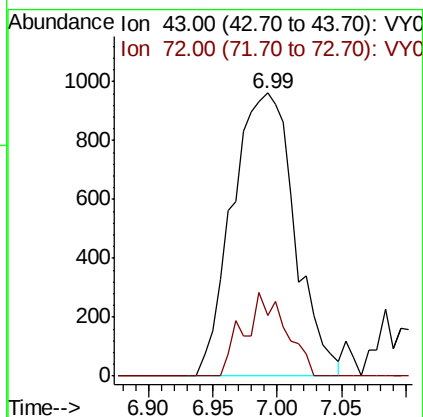
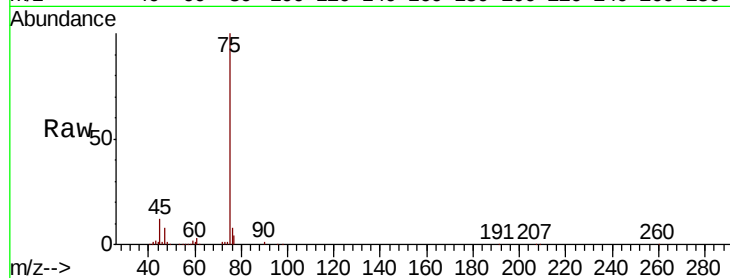
4.72



#25
2-Butanone
Concen: 3.813 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY002794.D
Acq: 29 May 2020 10:48

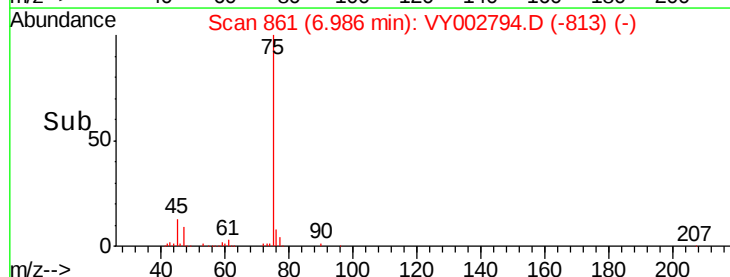
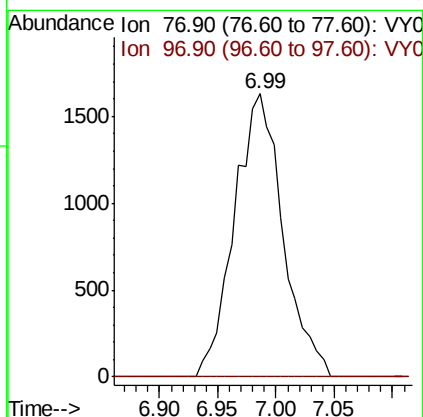
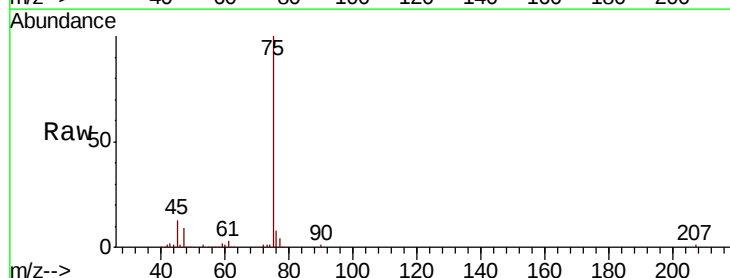
Instrument :
MSVOA_Y
ClientSampled :

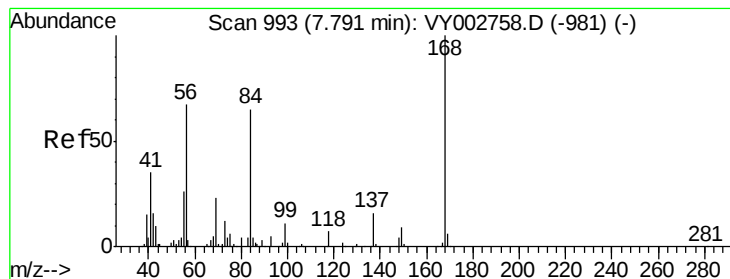
Tot Ion: 43 Resp: 3231
Ion Ratio Lower Upper
43 100
72 21.3 23.9 35.9#



#26
2,2-Dichloropropane
Concen: 1.242 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.01 min
Lab File: VY002794.D
Acq: 29 May 2020 10:48

Tgt Ion: 77 Resp: 4721
Ion Ratio Lower Upper
77 100
97 0.0 12.2 36.6#





#31

Cyclohexane

Concen: 1.075 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY002794.D

Acq: 29 May 2020 10:48

Instrument :

MSVOA_Y

ClientSampleId :

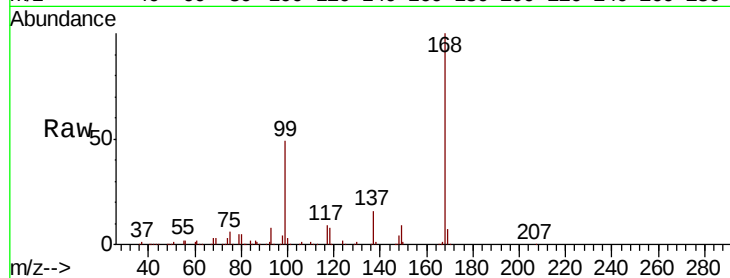
Tot Ion: 56 Resp: 4227

Ion Ratio Lower Upper

56 100

69 158.7 28.0 42.0#

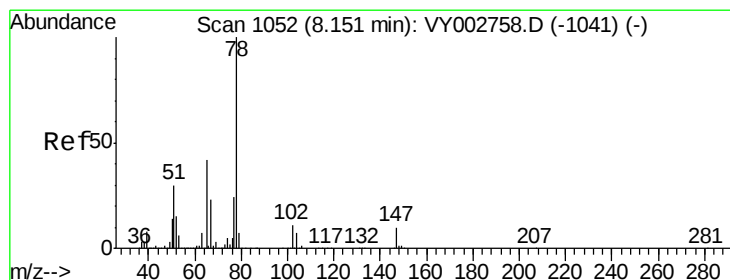
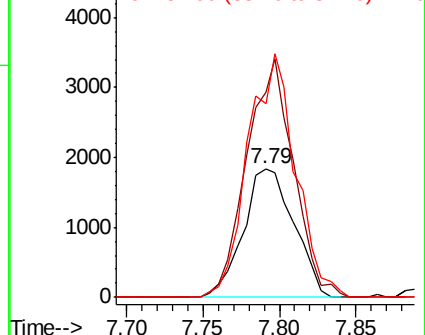
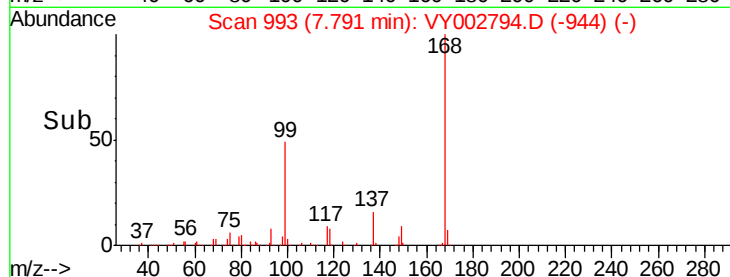
84 150.5 77.7 116.5#



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: 56.316 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY002794.D

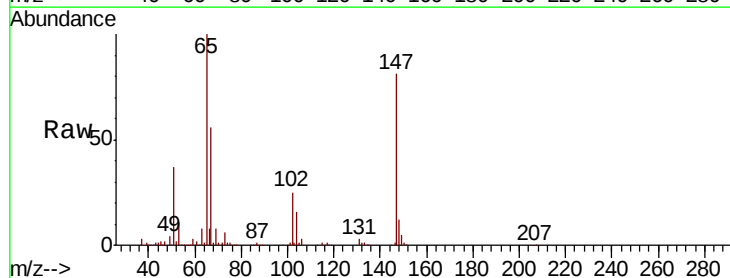
Acq: 29 May 2020 10:48

Tgt Ion: 65 Resp: 130620

Ion Ratio Lower Upper

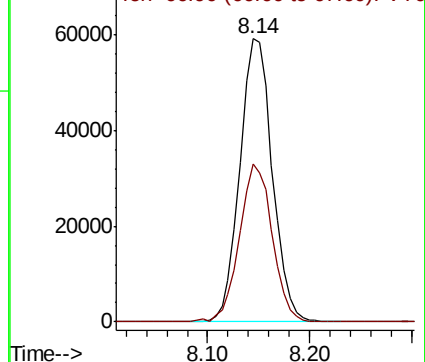
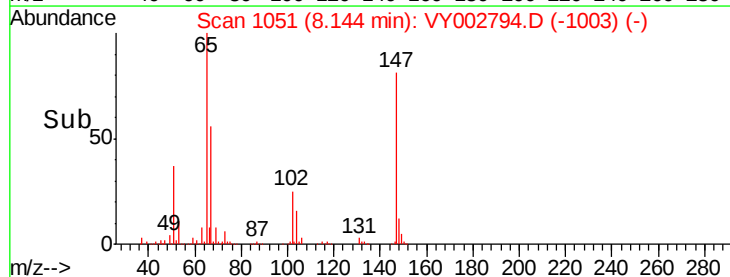
65 100

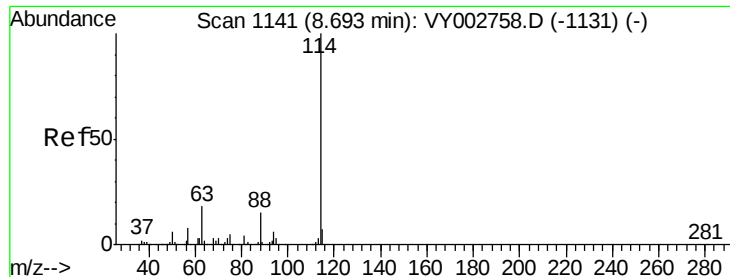
67 56.2 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

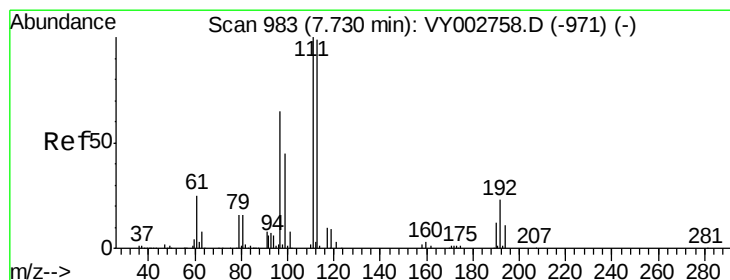
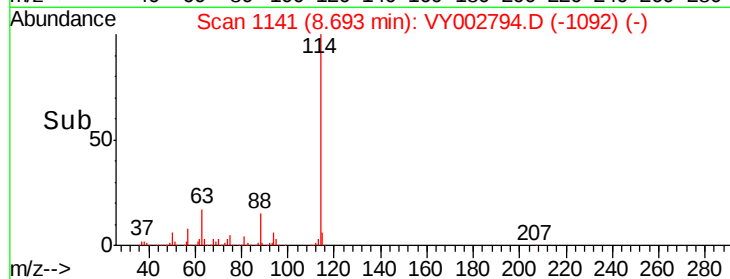
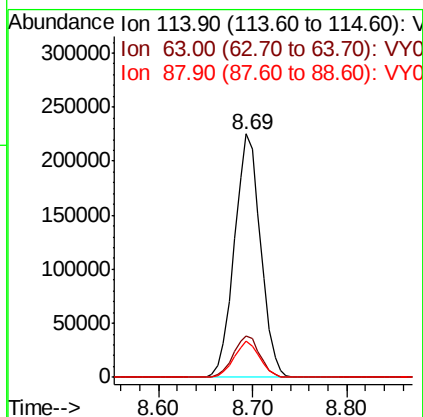
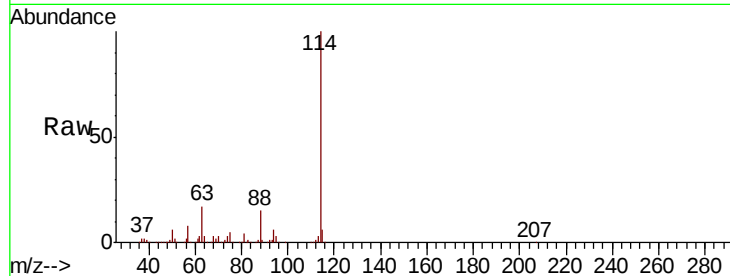




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002794.D
 Acq: 29 May 2020 10:48

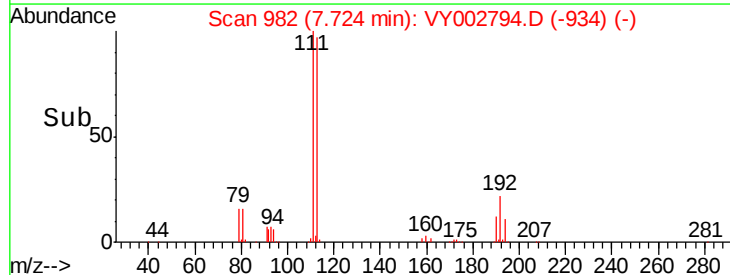
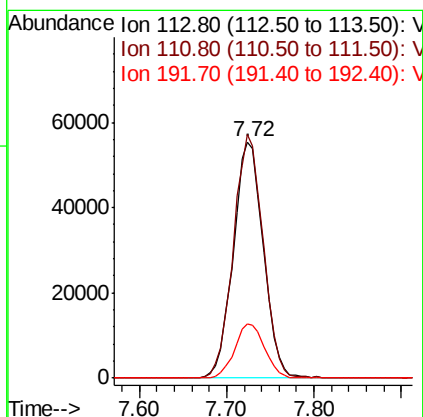
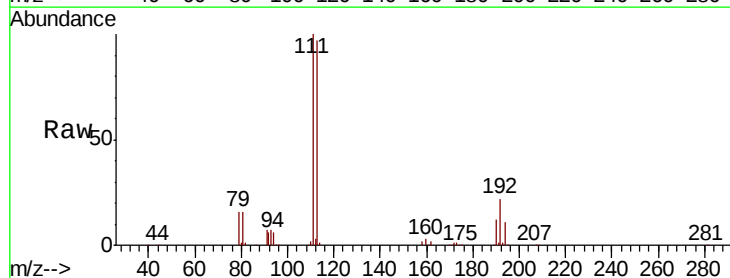
Instrument :
 MSVOA_Y
 ClientSampleId :

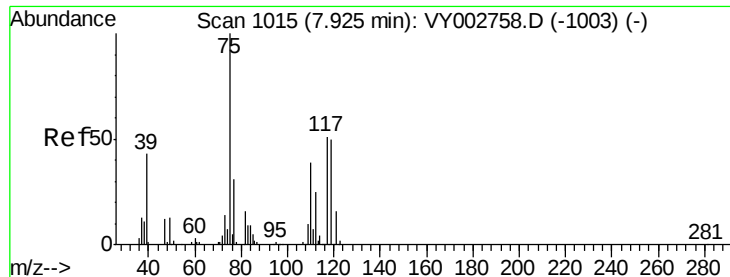
Tot Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	35.2
88	14.6	0.0	29.2



#35
 Dibromofluoromethane
 Concen: 52.200 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002794.D
 Acq: 29 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.0	123.0
192	23.0	18.9	28.3

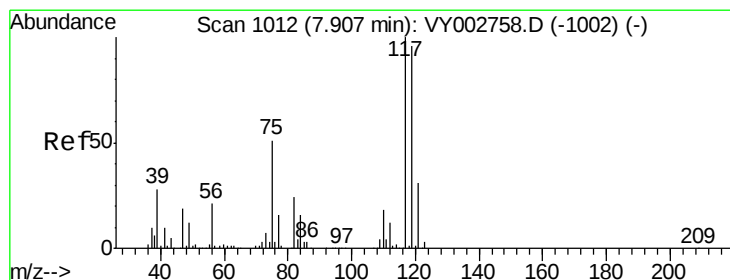
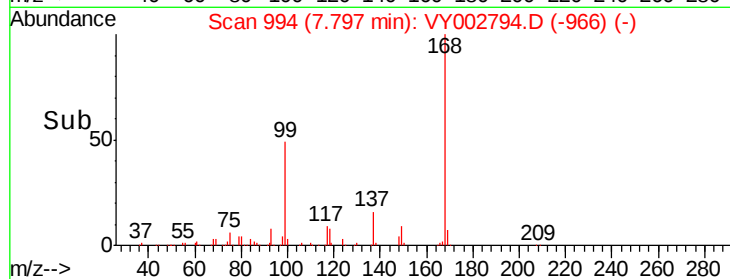
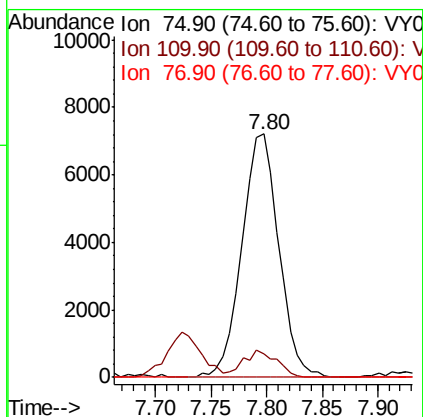
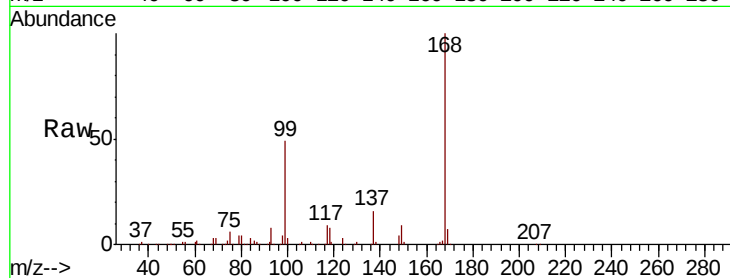




#36
 1,1-Dichloropropene
 Concen: 4.576 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002794.D
 Acq: 29 May 2020 10:48

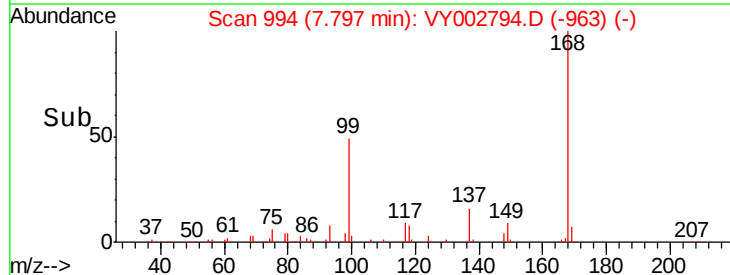
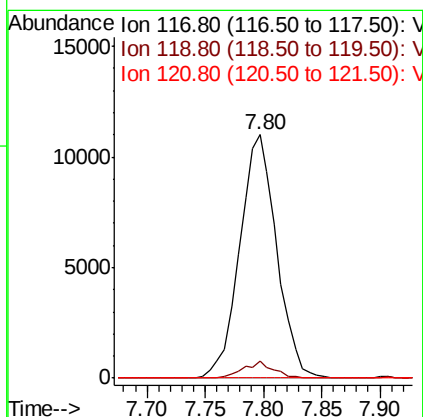
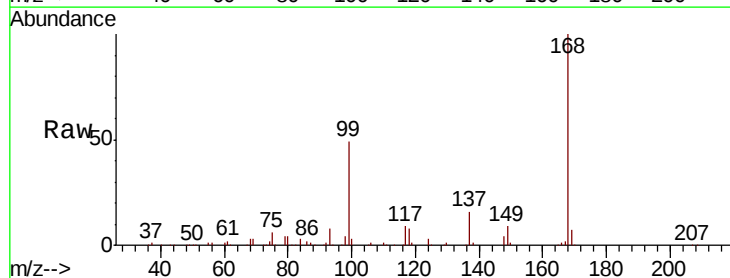
Instrument :
 MSVOA_Y
 ClientSampled :

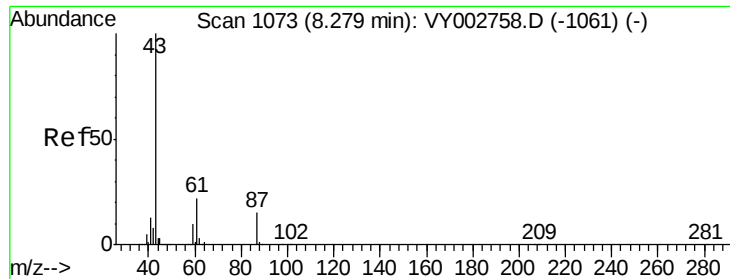
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.2	19.3	57.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.995 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY002794.D
 Acq: 29 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.2	76.8	115.2#
121	0.0	24.8	37.2#





#43

Isopropyl Acetate

Concen: 1.024 ug/l

RT: 8.12 min Scan# 1047

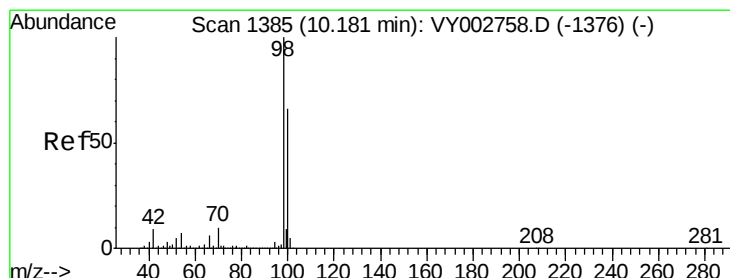
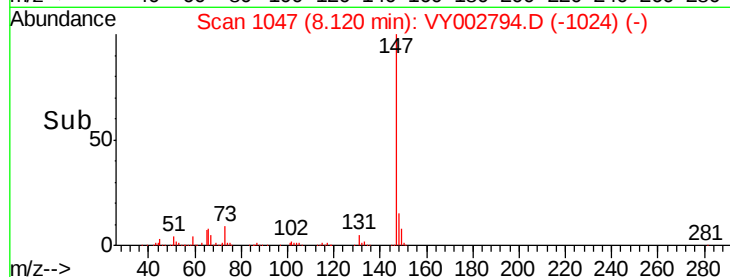
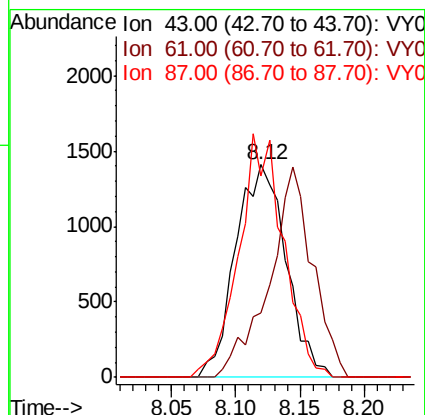
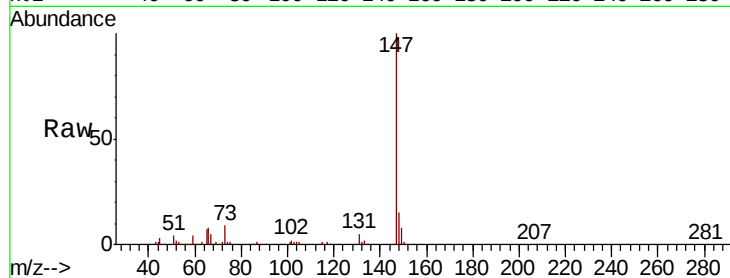
Delta R.T. -0.16 min

Lab File: VY002794.D

Acq: 29 May 2020 10:48

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 3843
Ion Ratio Lower Upper
43 100
61 0.0 24.8 37.2#
87 100.9 12.4 18.6#



#50

Toluene-d8

Concen: 48.946 ug/l

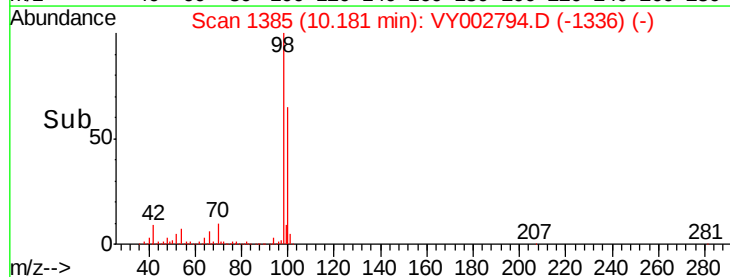
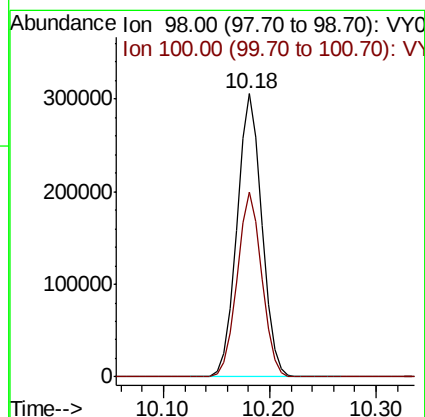
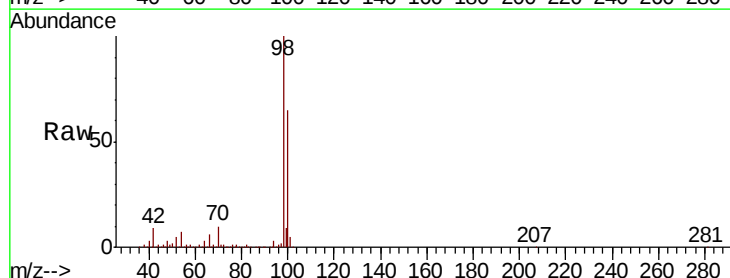
RT: 10.18 min Scan# 1385

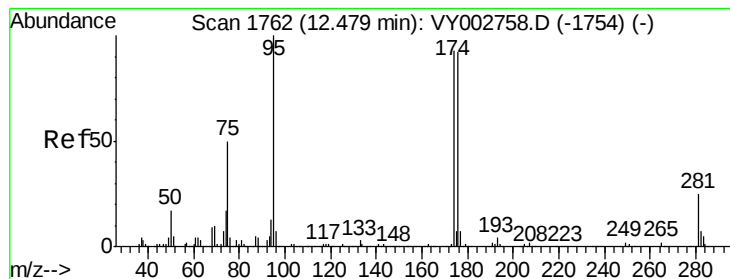
Delta R.T. -0.00 min

Lab File: VY002794.D

Acq: 29 May 2020 10:48

Tgt Ion: 98 Resp: 501394
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 48.830 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002794.D

Acq: 29 May 2020 10:48

Instrument :

MSVOA_Y

ClientSampled :

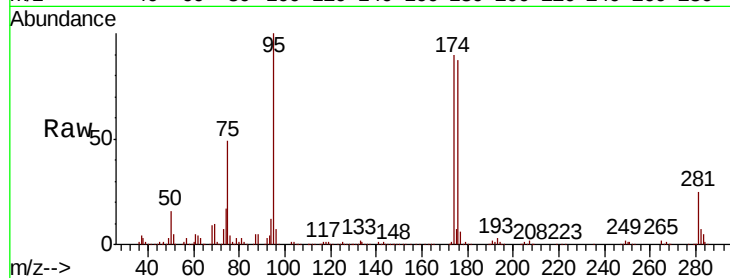
Tot Ion: 95 Resp: 170948

Ion Ratio Lower Upper

95 100

174 95.1 0.0 191.2

176 92.5 0.0 188.8



Abundance Ion 94.90 (94.60 to 95.60): VY002794.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY002794.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY002794.D (-1754) (-)

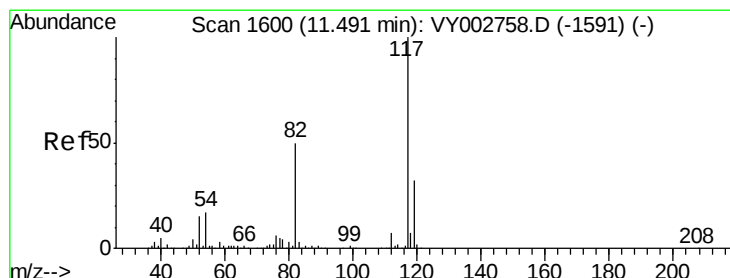
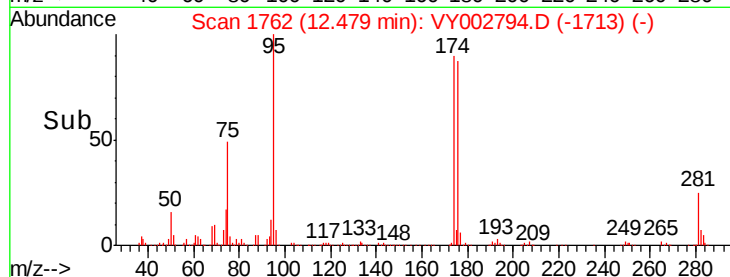
12.48

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY002794.D

Acq: 29 May 2020 10:48

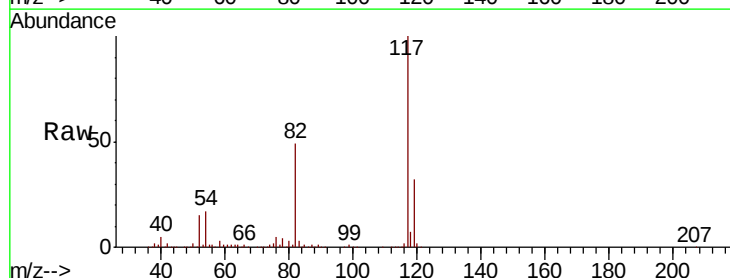
Tgt Ion: 117 Resp: 408833

Ion Ratio Lower Upper

117 100

82 49.1 40.2 60.4

119 32.0 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VY002794.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY002794.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY002794.D (-1551) (-)

11.49

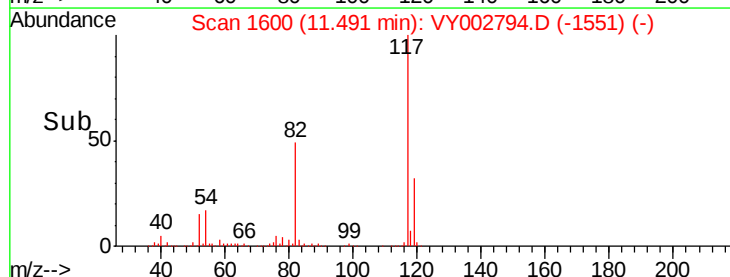
300000

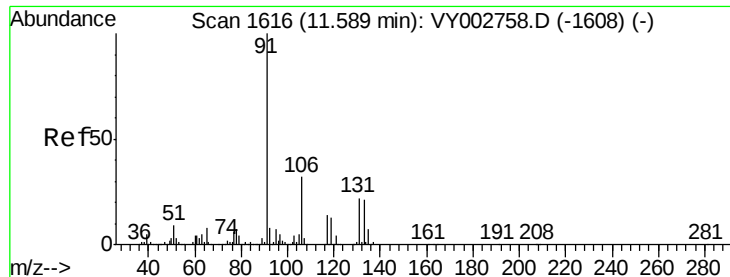
200000

100000

0

Time-->





#66

1,1,1,2-Tetrachloroethane

Concen: 1.360 ug/l

RT: 11.32 min Scan# 1572

Delta R.T. -0.27 min

Lab File: VY002794.D

Acq: 29 May 2020 10:48

Instrument :

MSVOA_Y

ClientSampled :

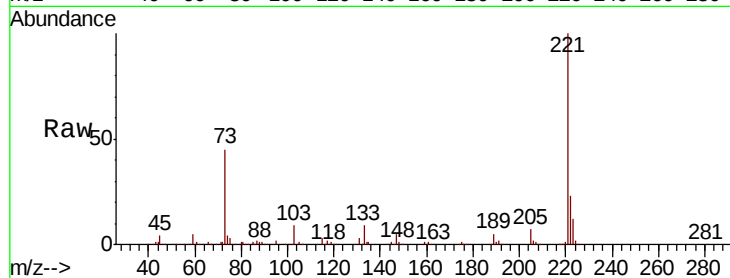
Tot Ion:131 Resp: 4139

Ion Ratio Lower Upper

131 100

133 303.1 47.6 142.8#

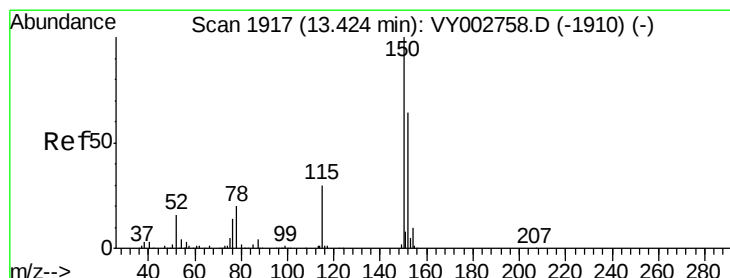
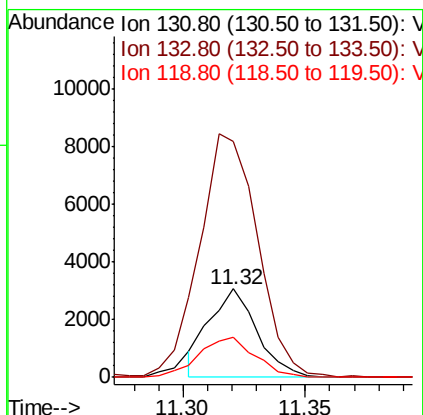
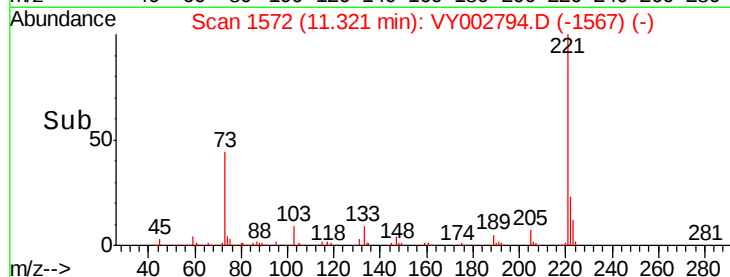
119 0.0 31.7 95.1#



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: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY002794.D

Acq: 29 May 2020 10:48

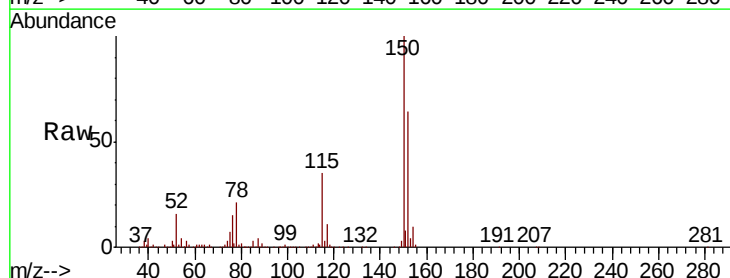
Tgt Ion:152 Resp: 202014

Ion Ratio Lower Upper

152 100

115 54.7 27.0 81.0

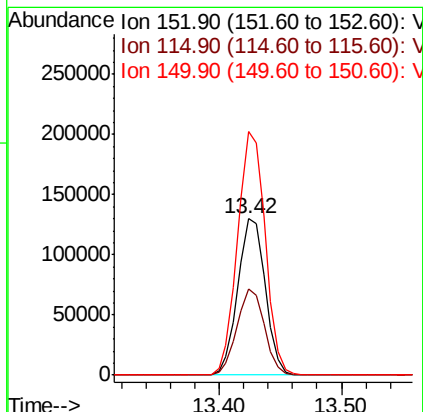
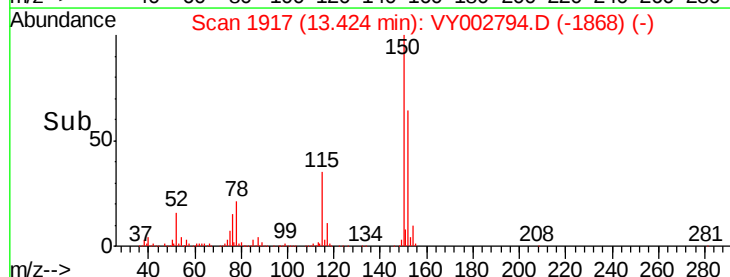
150 157.0 0.0 344.8

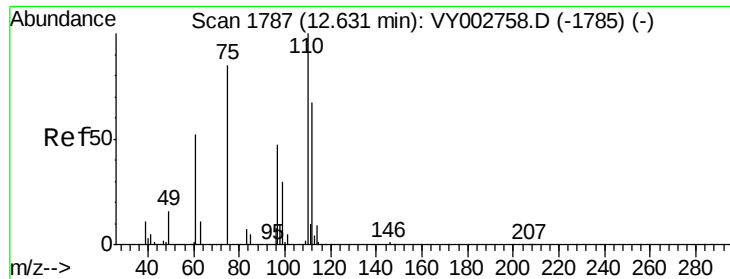


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 45.887 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002794.D

Acq: 29 May 2020 10:48

Instrument :

MSVOA_Y

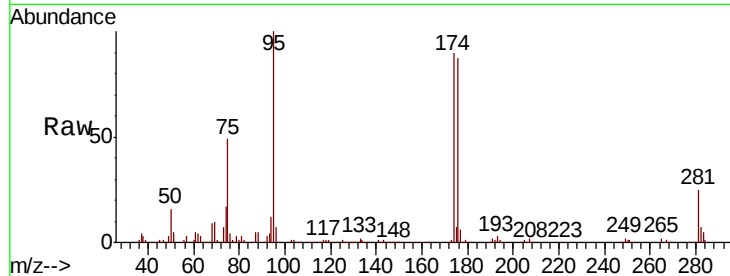
ClientSampleId :

Tot Ion: 75 Resp: 83527

Ion Ratio Lower Upper

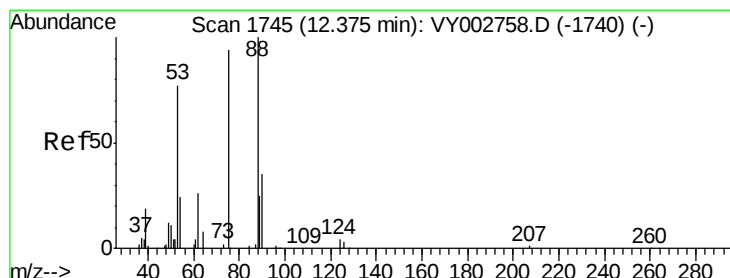
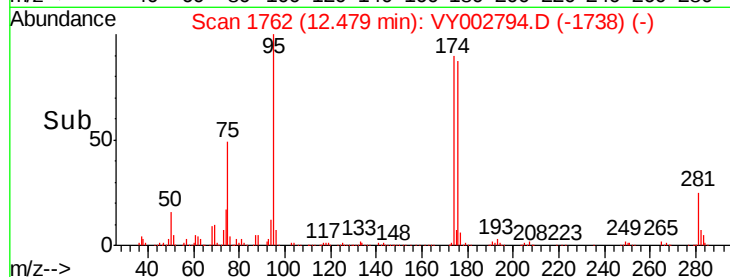
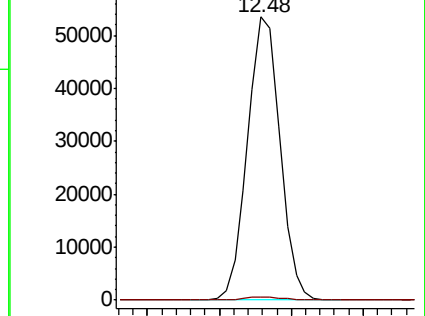
75 100

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: 86.451 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002794.D

Acq: 29 May 2020 10:48

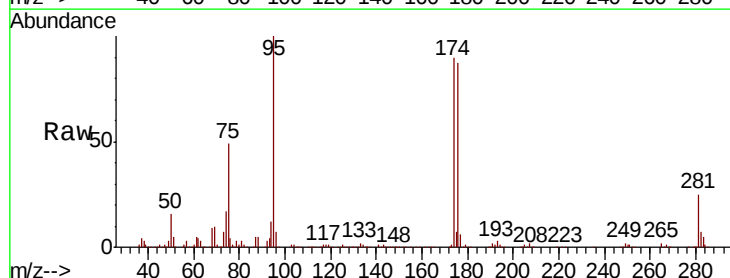
Tgt Ion: 75 Resp: 83527

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

89 0.6 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

