

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002762.D
 Acq On : 27 May 2020 14:15
 Operator : SY/MD
 Sample : VY0527SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0527SBL01

Quant Time: May 28 04:42:25 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	285888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	459332	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	430853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	215791	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	140179	56.47	ug/l	0.00
Spiked Amount			Recovery	=	112.94%	
35) Dibromofluoromethane	7.72	113	138360	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
50) Toluene-d8	10.18	98	534354	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.48	95	186858	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	

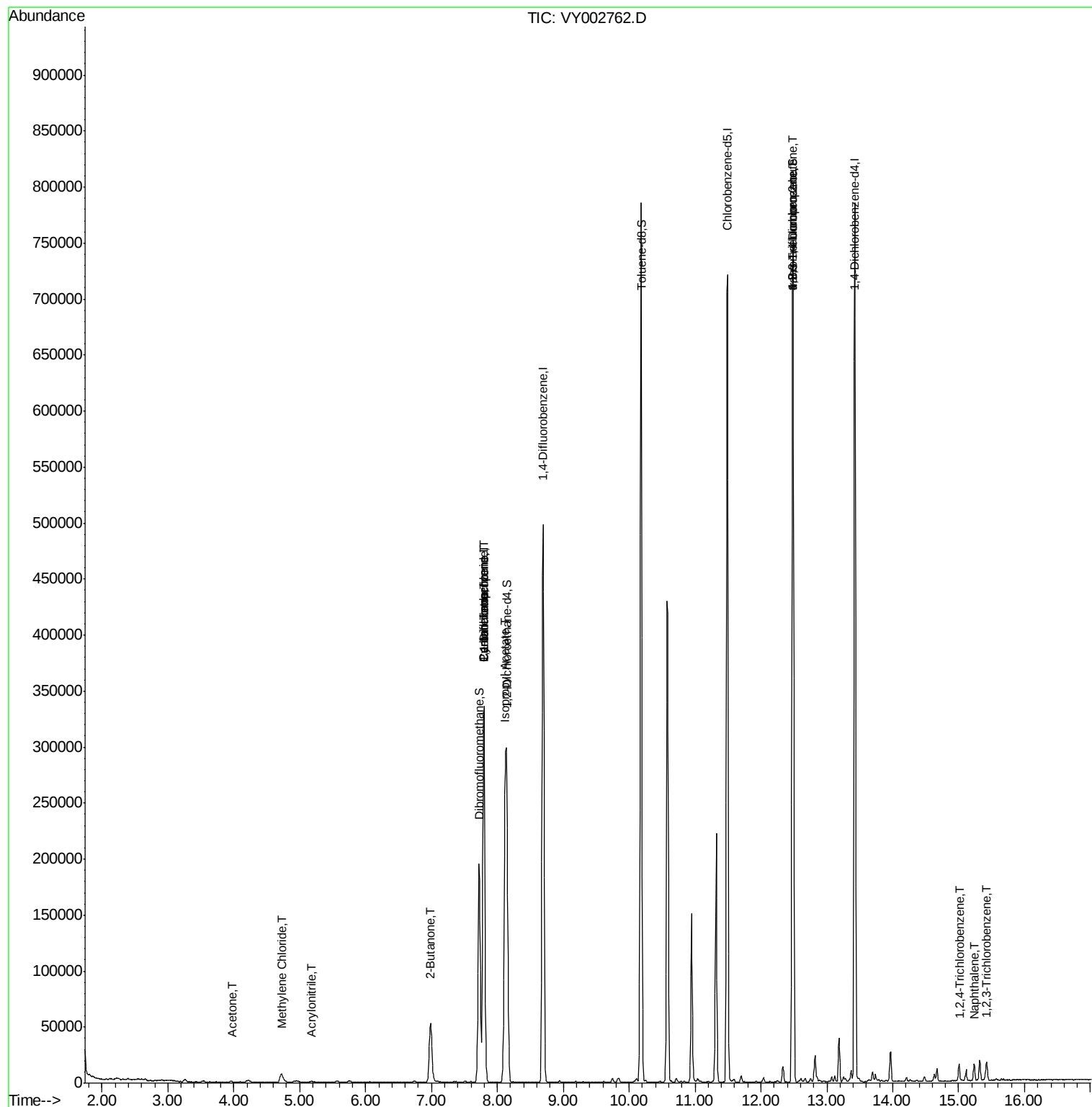
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	2655	Below Cal	#	74
15) Acrylonitrile	5.18	53	1047	1.459	ug/l #	88
16) Acetone	3.97	43	1457	2.503	ug/l #	84
18) Methyl Acetate	4.50	43	566	Below Cal	#	55
20) Methylene Chloride	4.72	84	6124	2.153	ug/l	92
25) 2-Butanone	6.99	43	2709	2.987	ug/l #	65
31) Cyclohexane	7.79	56	4246	1.009	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	17601	4.549	ug/l #	48
38) Carbon Tetrachloride	7.79	117	25052	5.828	ug/l #	15
43) Isopropyl Acetate	8.11	43	4794	1.202	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	88992	45.768	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	88992	86.227	ug/l #	17
93) 1,2,4-Trichlorobenzene	15.01	180	5210	1.117	ug/l	97
95) Naphthalene	15.23	128	12111	1.296	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	5753	1.382	ug/l	96

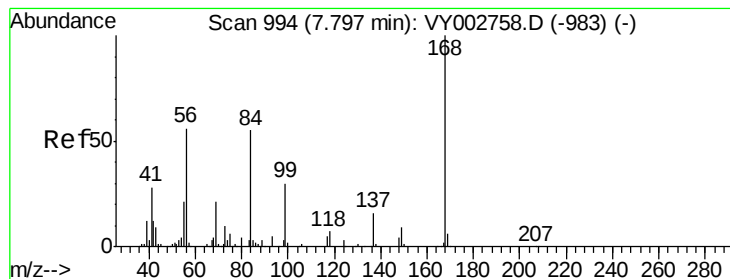
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002762.D

Acq: 27 May 2020 14:15

Instrument :

MSVOA_Y

ClientSampleId :

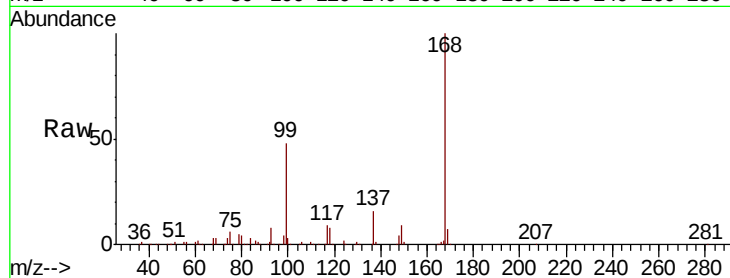
VY0527SBL01

Tot Ion:168 Resp: 285888

Ion Ratio Lower Upper

168 100

99 47.8 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

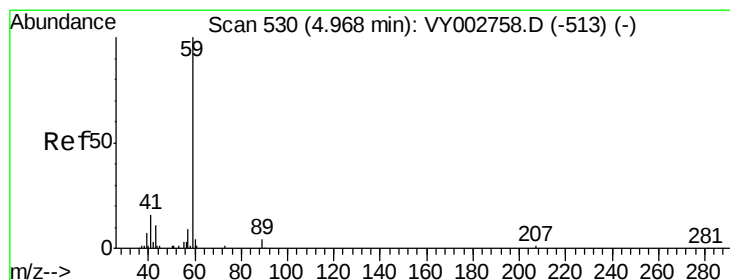
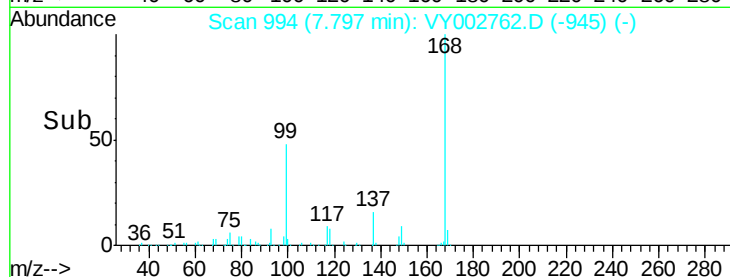
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. 0.00 min

Lab File: VY002762.D

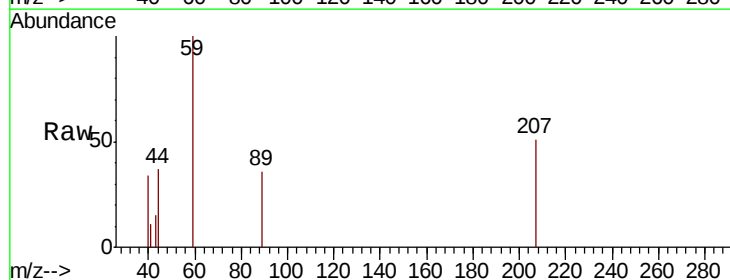
Acq: 27 May 2020 14:15

Tgt Ion: 59 Resp: 2655

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) (-)

4.97

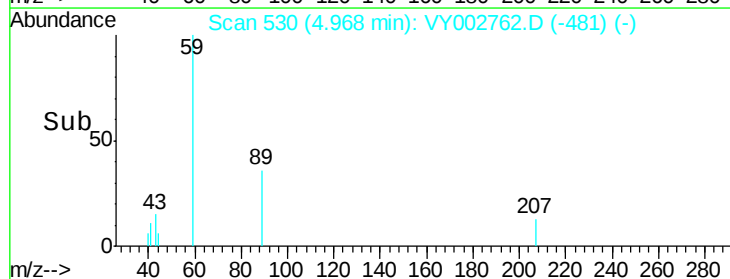
600

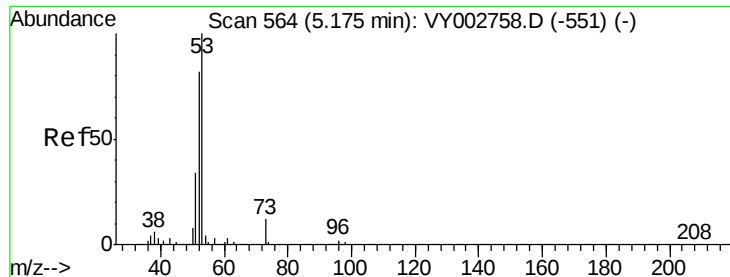
400

200

0

Time-->





#15

Acrylonitrile

Concen: 1.459 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.01 min

Lab File: VY002762.D

Acq: 27 May 2020 14:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0527SBL01

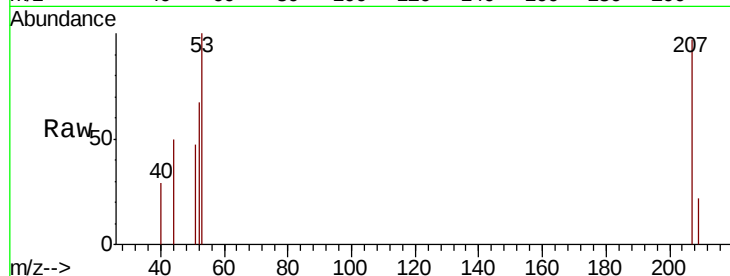
Tot Ion: 53 Resp: 1047

Ion Ratio Lower Upper

53 100

52 78.5 65.3 97.9

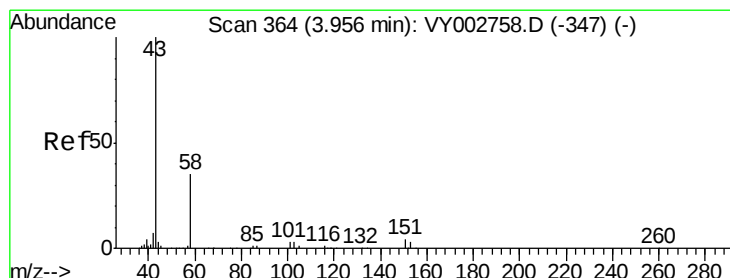
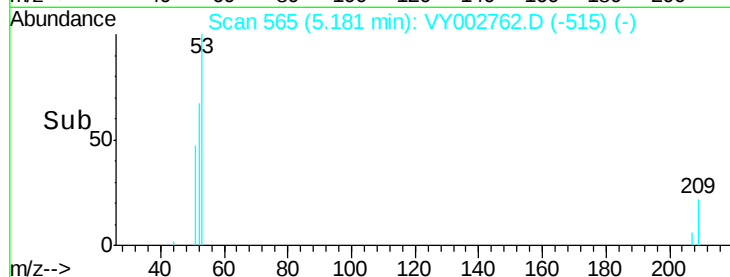
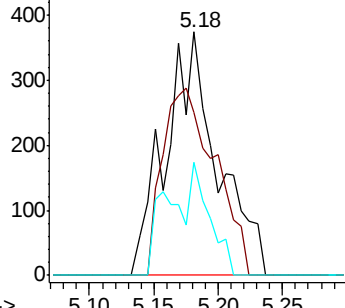
51 16.9 28.0 42.0#



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 2.503 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002762.D

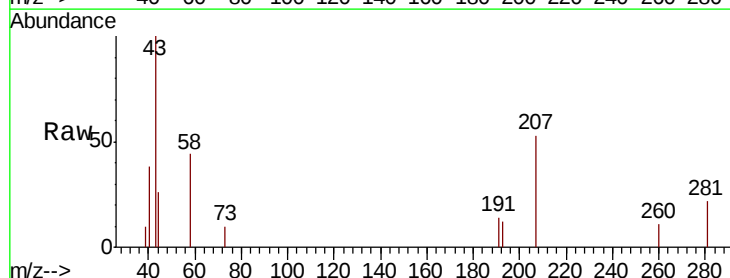
Acq: 27 May 2020 14:15

Tgt Ion: 43 Resp: 1457

Ion Ratio Lower Upper

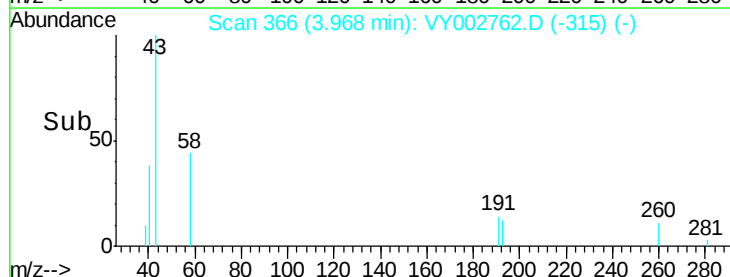
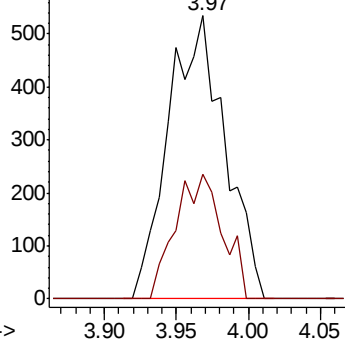
43 100

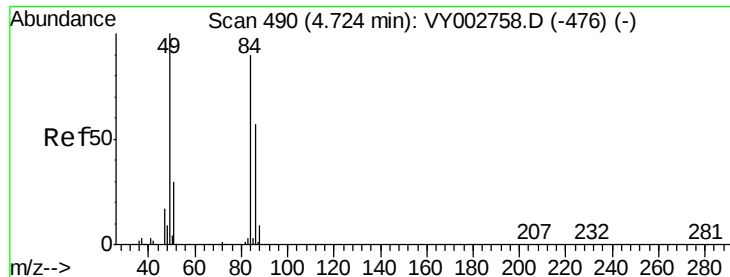
58 44.0 27.7 41.5#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

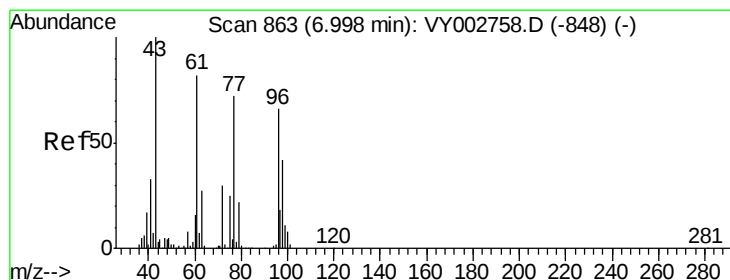
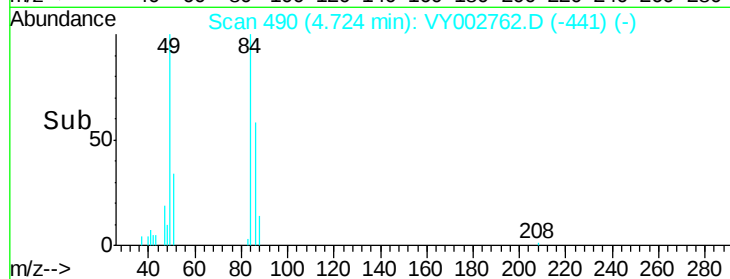
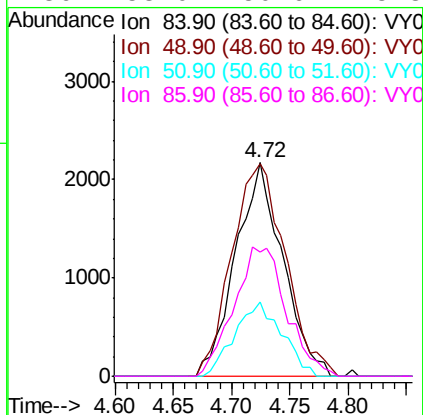
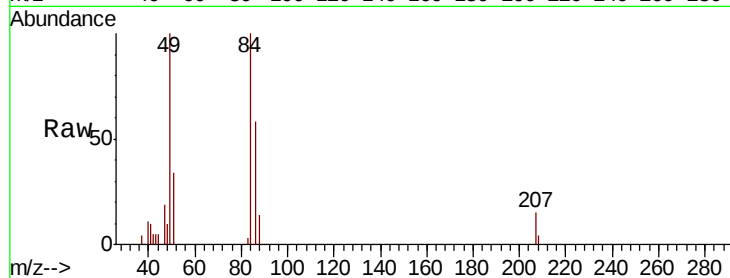




#20
Methvlene Chloride
Concen: 2.153 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY002762.D
Acq: 27 May 2020 14:15

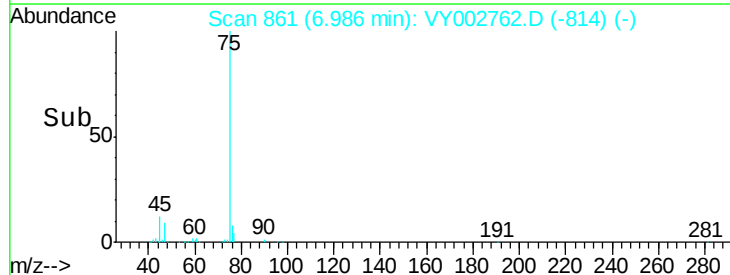
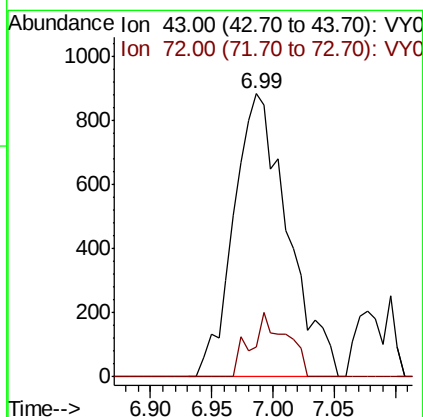
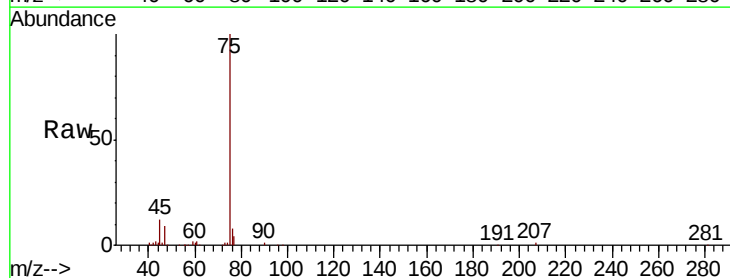
Instrument :
MSVOA_Y
ClientSampleId :
VY0527SBL01

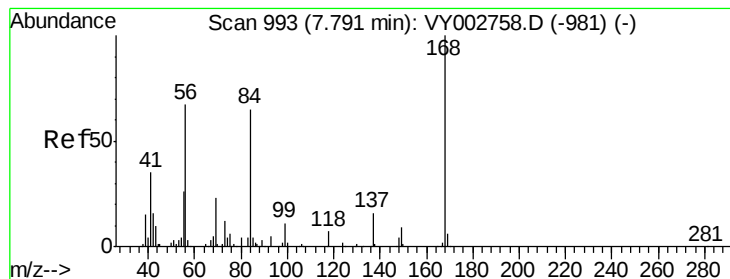
Tot Ion:	84	Resp:	6124
Ion	Ratio	Lower	Upper
84	100		
49	99.7	88.5	132.7
51	34.5	26.8	40.2
86	58.0	50.6	75.8



#25
2-Butanone
Concen: 2.987 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.01 min
Lab File: VY002762.D
Acq: 27 May 2020 14:15

Tgt Ion:	43	Resp:	2709
Ion	Ratio	Lower	Upper
43	100		
72	10.7	23.9	35.9#





#31

Cyclohexane

Concen: 1.009 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY002762.D

Acq: 27 May 2020 14:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0527SBL01

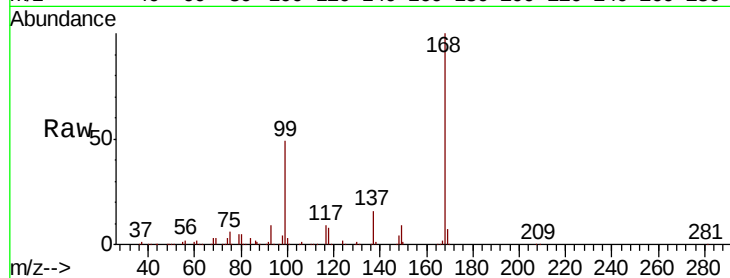
Tot Ion: 56 Resp: 4246

Ion Ratio Lower Upper

56 100

69 181.2 28.0 42.0#

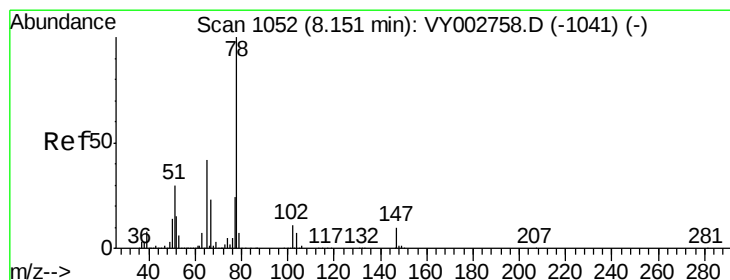
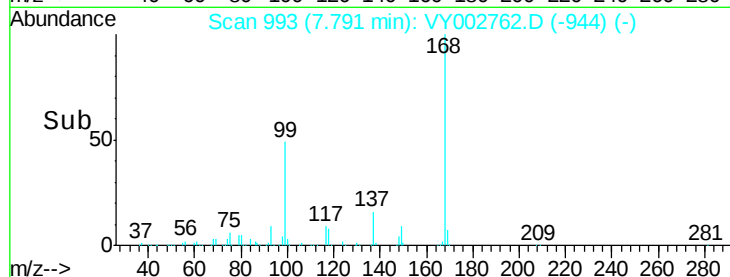
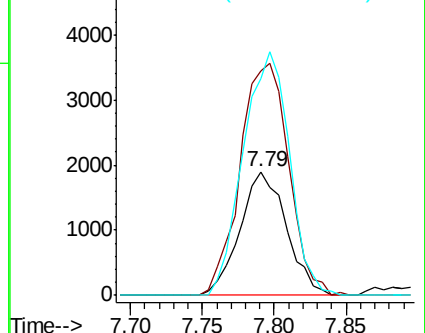
84 175.7 77.7 116.5#



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: 56.471 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY002762.D

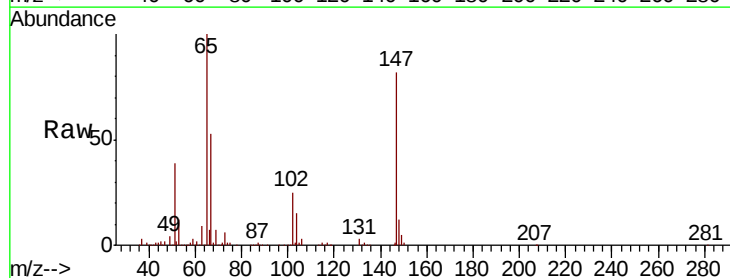
Acq: 27 May 2020 14:15

Tgt Ion: 65 Resp: 140179

Ion Ratio Lower Upper

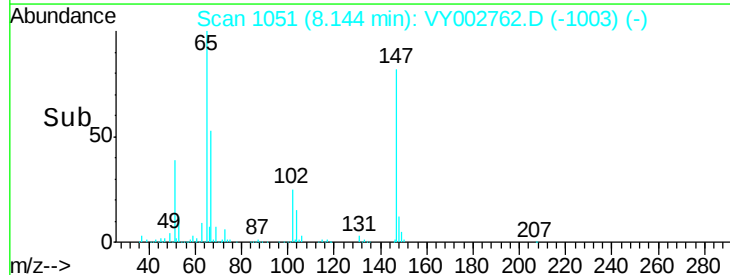
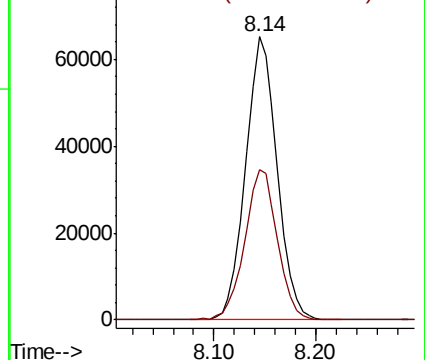
65 100

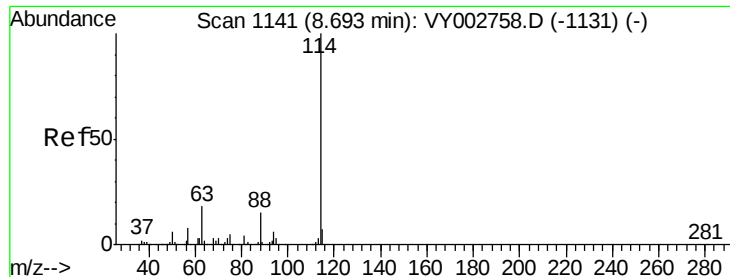
67 55.2 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

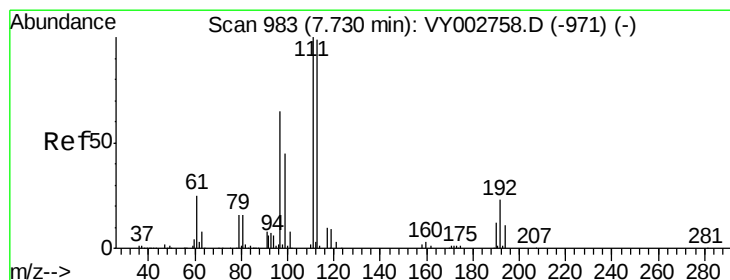
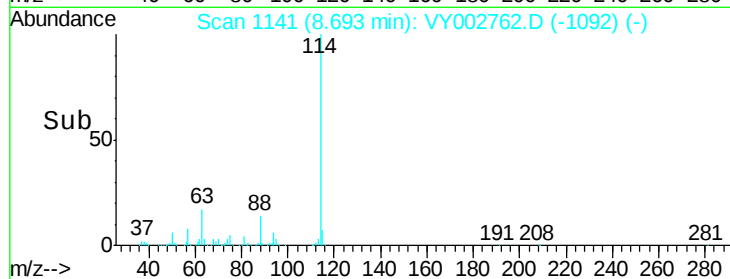
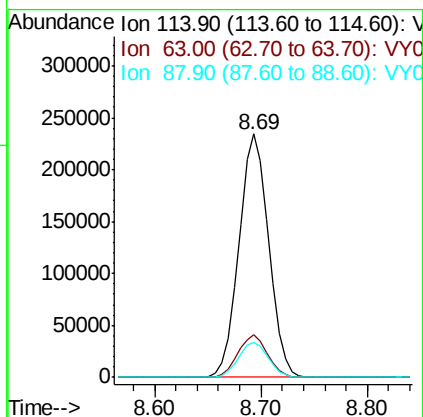
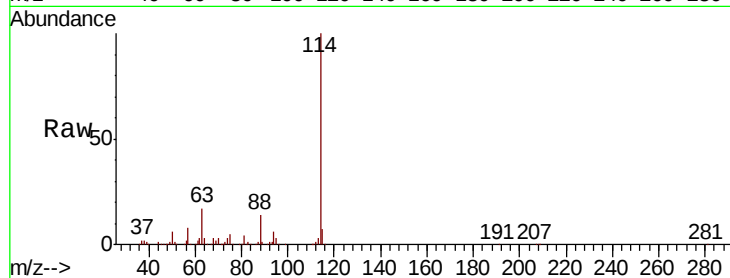




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002762.D
 Acq: 27 May 2020 14:15

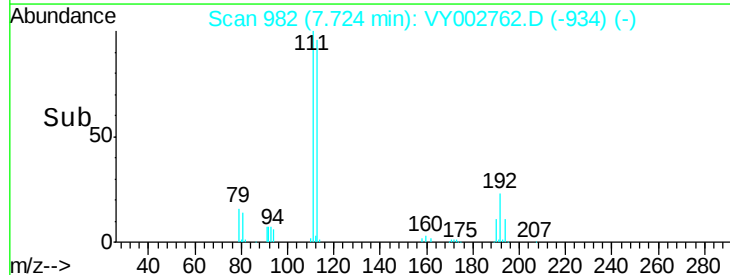
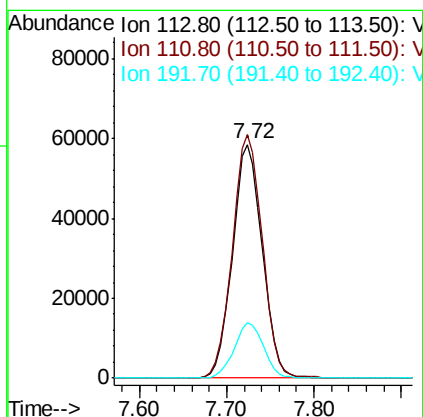
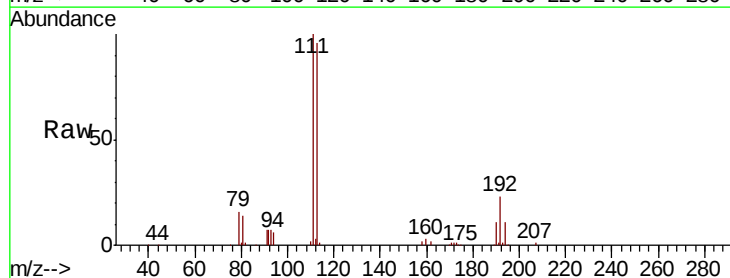
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0527SBL01

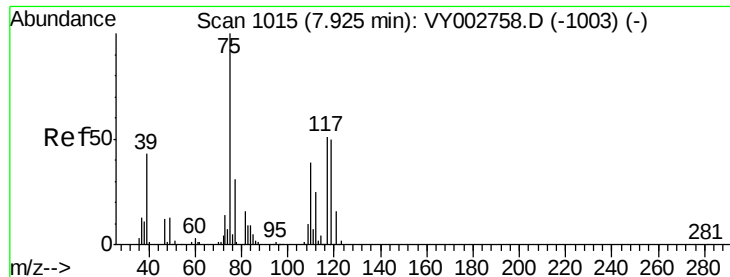
Tot Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	35.2
88	14.3	0.0	29.2



#35
 Dibromofluoromethane
 Concen: 51.398 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002762.D
 Acq: 27 May 2020 14:15

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.1	82.0	123.0
192	23.3	18.9	28.3





#36

1,1-Dichloropropene

Concen: 4.549 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY002762.D

Acq: 27 May 2020 14:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0527SBL01

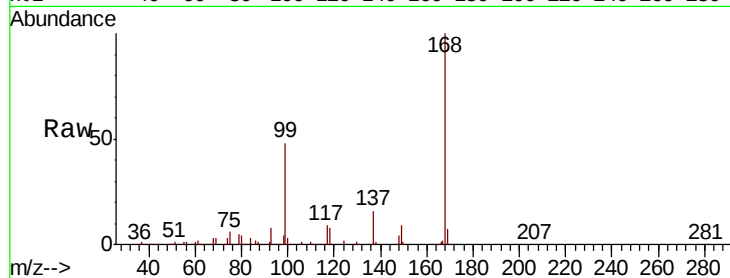
Tot Ion: 75 Resp: 17601

Ion Ratio Lower Upper

75 100

110 9.6 19.3 57.9#

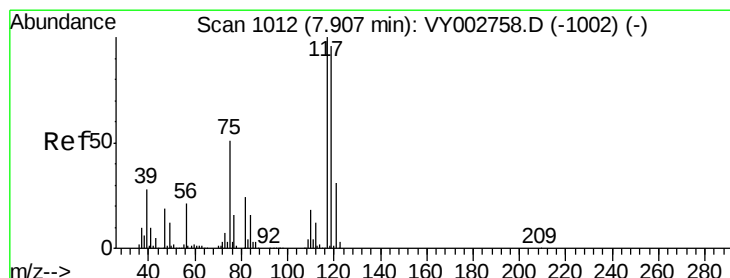
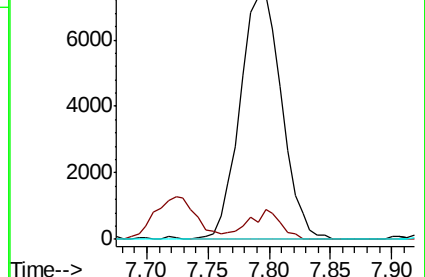
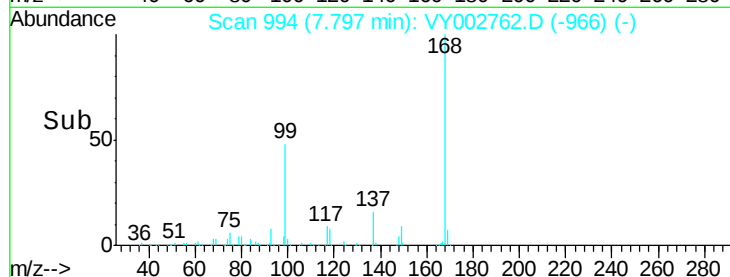
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VY002762.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY002762.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY002762.D (-966) (-)



#38

Carbon Tetrachloride

Concen: 5.828 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY002762.D

Acq: 27 May 2020 14:15

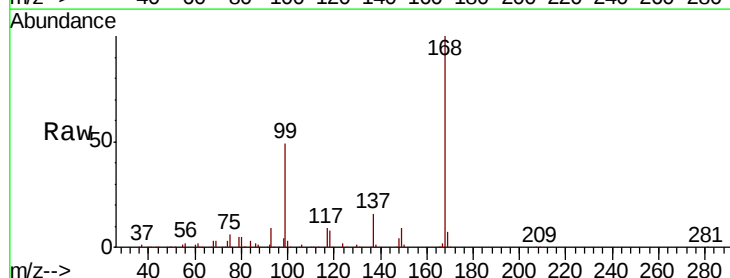
Tgt Ion: 117 Resp: 25052

Ion Ratio Lower Upper

117 100

119 4.5 76.8 115.2#

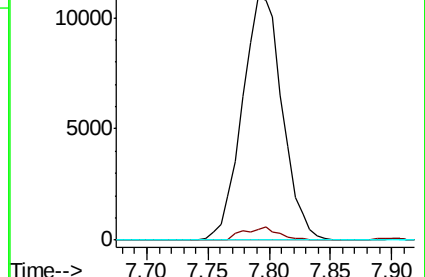
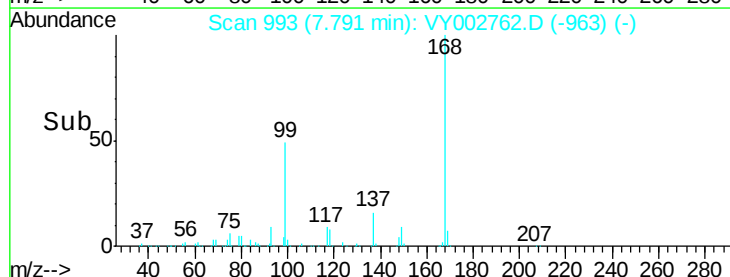
121 0.0 24.8 37.2#

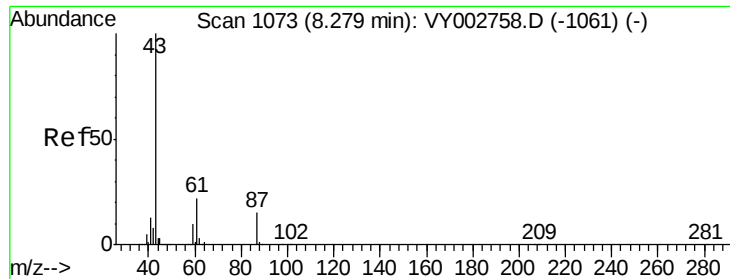


Abundance Ion 116.80 (116.50 to 117.50): VY002762.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY002762.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY002762.D (-963) (-)





#43

Isopropyl Acetate

Concen: 1.202 ug/l

RT: 8.11 min Scan# 1046

Delta R.T. -0.16 min

Lab File: VY002762.D

Acq: 27 May 2020 14:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0527SBL01

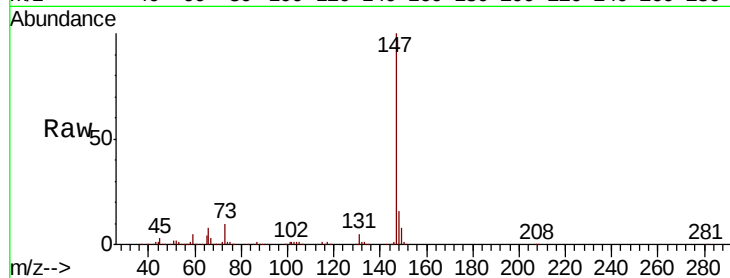
Tot Ion: 43 Resp: 4794

Ion Ratio Lower Upper

43 100

61 0.0 24.8 37.2#

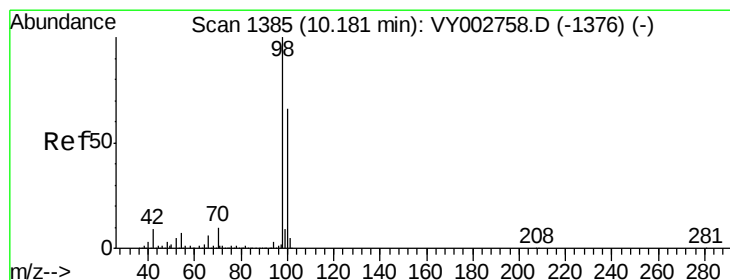
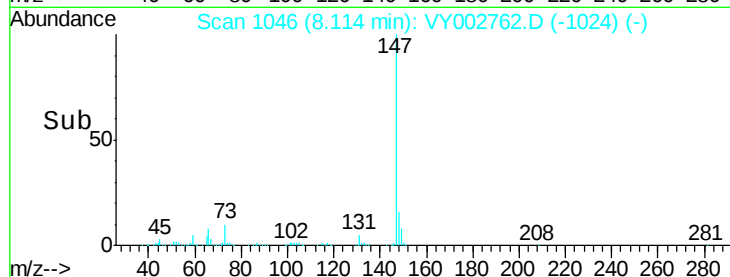
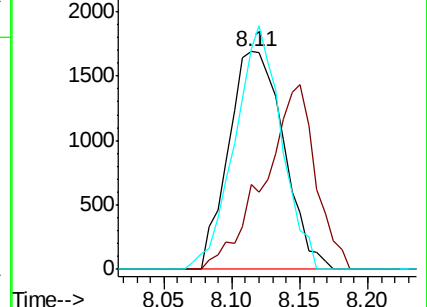
87 94.3 12.4 18.6#



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: 49.095 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002762.D

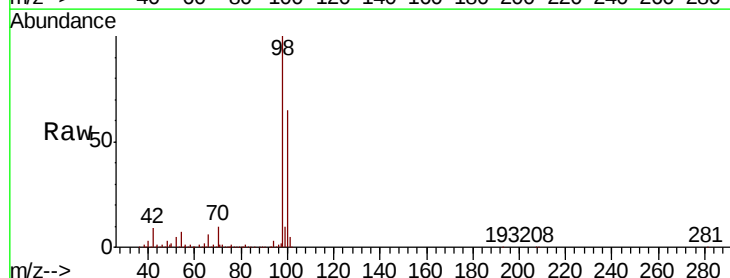
Acq: 27 May 2020 14:15

Tgt Ion: 98 Resp: 534354

Ion Ratio Lower Upper

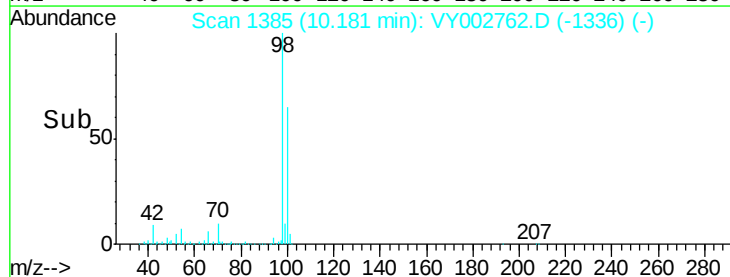
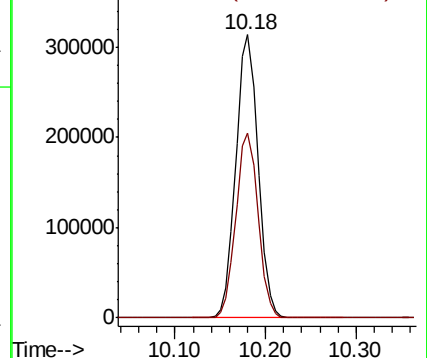
98 100

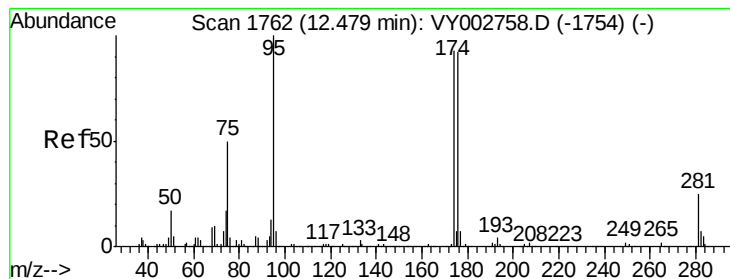
100 65.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#62

4-Bromofluorobenzene

Concen: 50.235 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002762.D

Acq: 27 May 2020 14:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0527SBL01

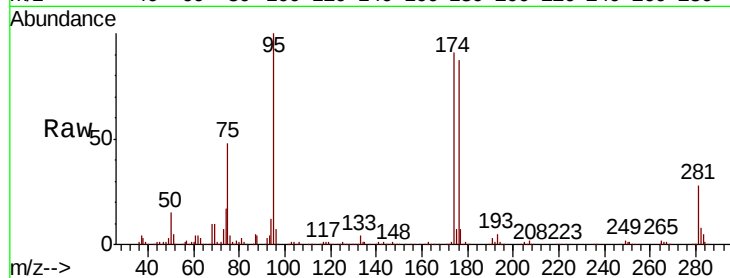
Tot Ion: 95 Resp: 186858

Ion Ratio Lower Upper

95 100

174 93.3 0.0 191.2

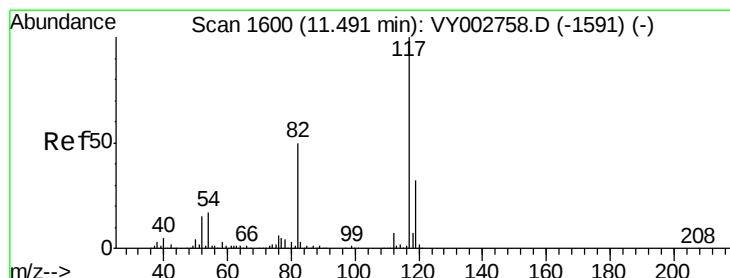
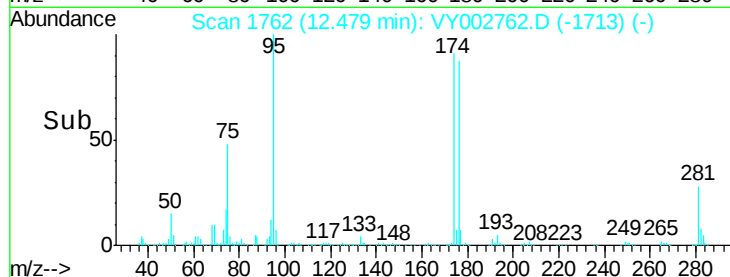
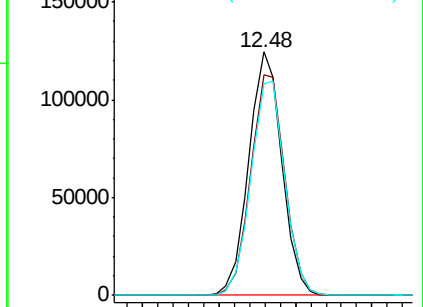
176 90.7 0.0 188.8



Abundance Ion 94.90 (94.60 to 95.60): VY002762.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY002762.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY002762.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY002762.D

Acq: 27 May 2020 14:15

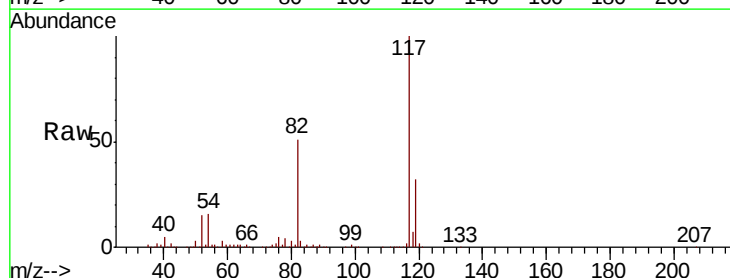
Tgt Ion: 117 Resp: 430853

Ion Ratio Lower Upper

117 100

82 50.9 40.2 60.4

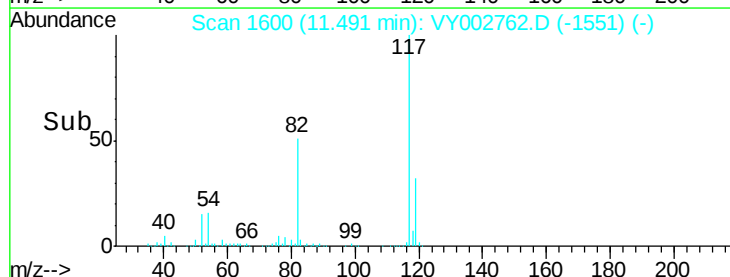
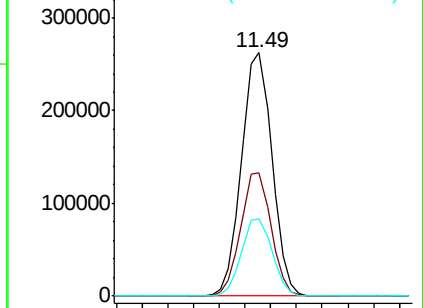
119 31.8 25.8 38.8

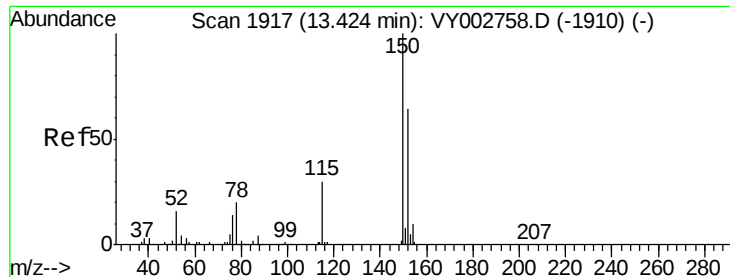


Abundance Ion 116.90 (116.60 to 117.60): VY002762.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY002762.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY002762.D (-1551) (-)



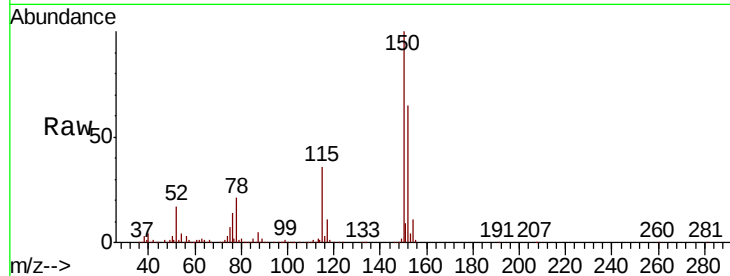


#72

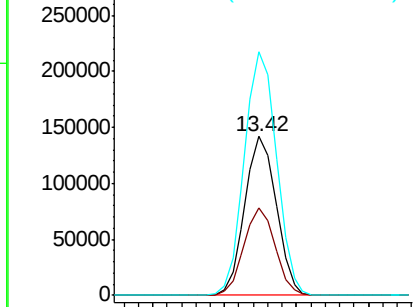
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002762.D
Acq: 27 May 2020 14:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0527SBL01

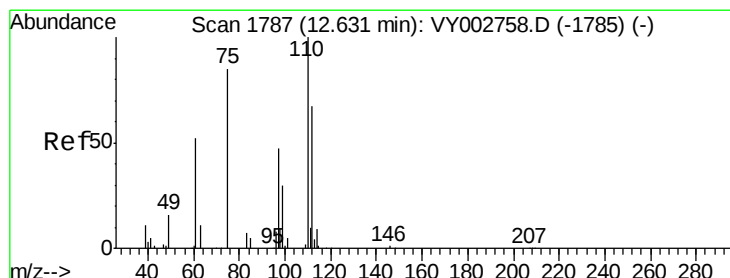
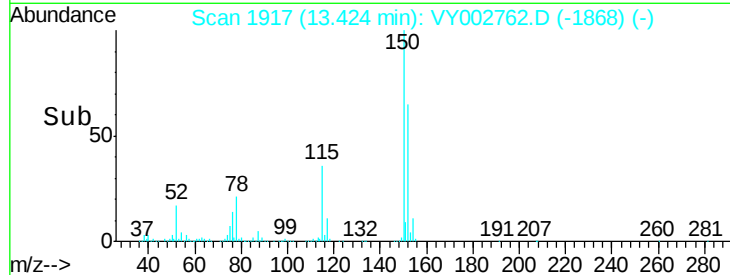
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.0	81.0
150	156.2	0.0	344.8



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



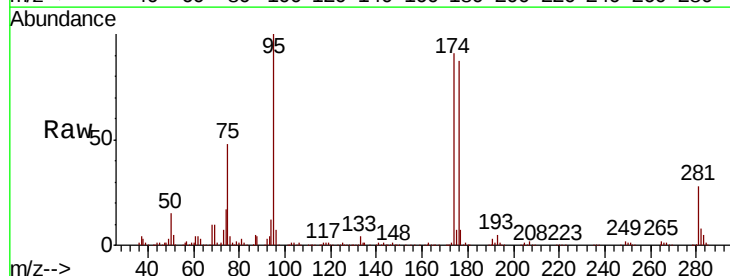
Time-->



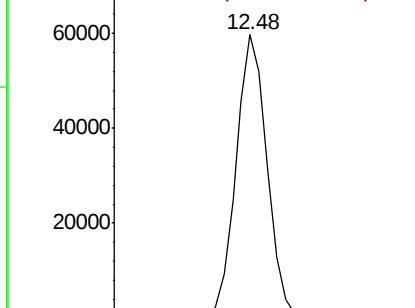
#76

1,2,3-Trichloropropane
Concen: 45.768 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY002762.D
Acq: 27 May 2020 14:15

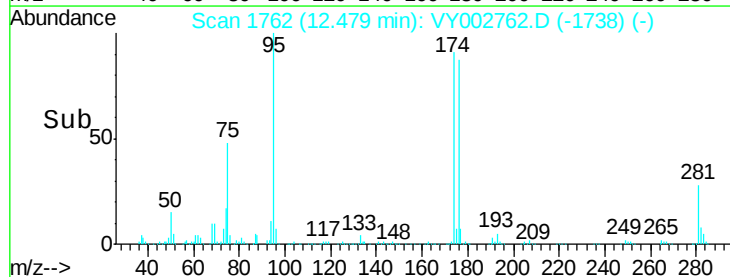
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#

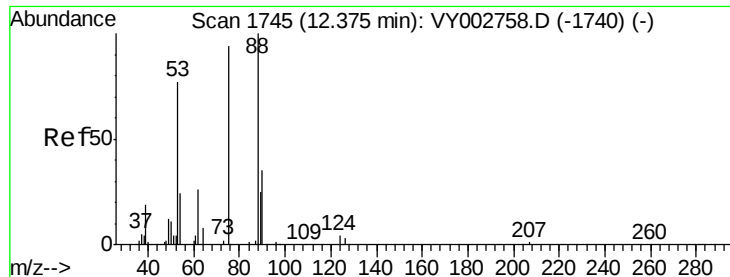


Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 86.227 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002762.D

Acq: 27 May 2020 14:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0527SBL01

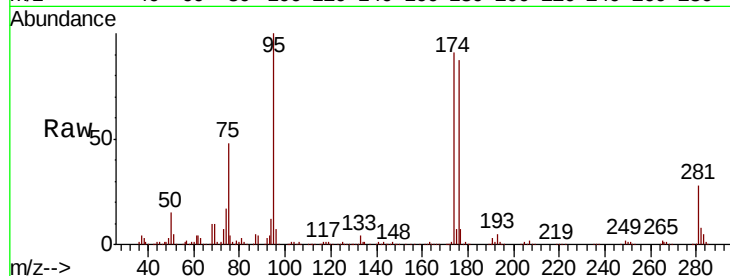
Tot Ion: 75 Resp: 88992

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

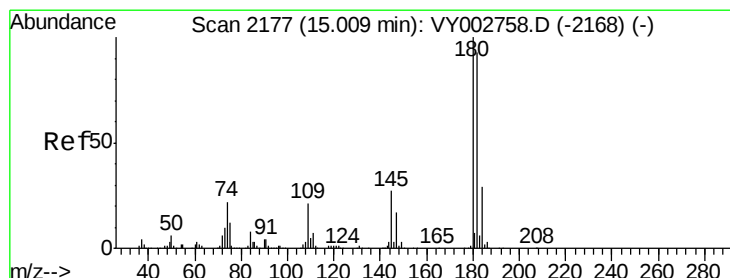
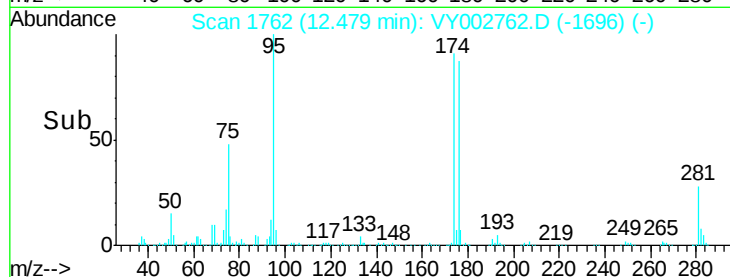
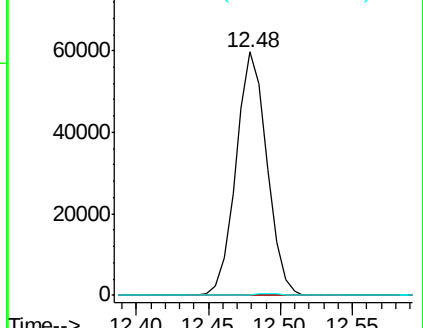
89 0.7 37.4 56.2#



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



#93

1,2,4-Trichlorobenzene

Concen: 1.117 ug/l

RT: 15.01 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VY002762.D

Acq: 27 May 2020 14:15

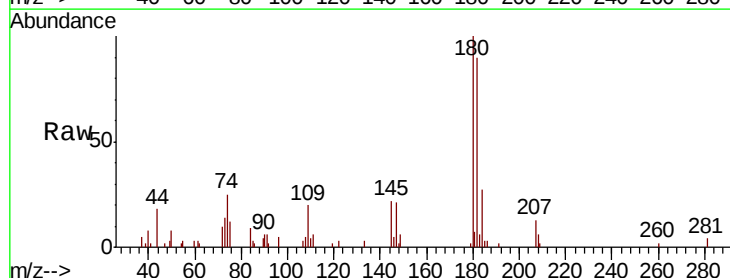
Tgt Ion: 180 Resp: 5210

Ion Ratio Lower Upper

180 100

182 92.3 47.3 141.9

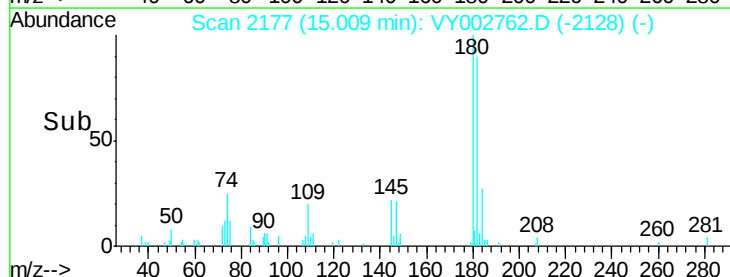
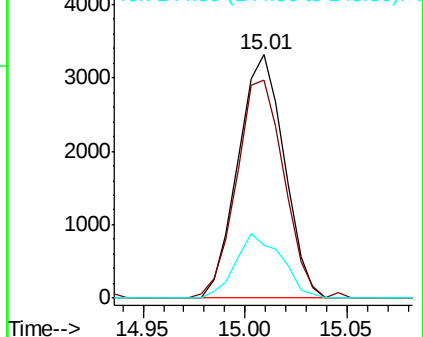
145 26.2 14.1 42.3

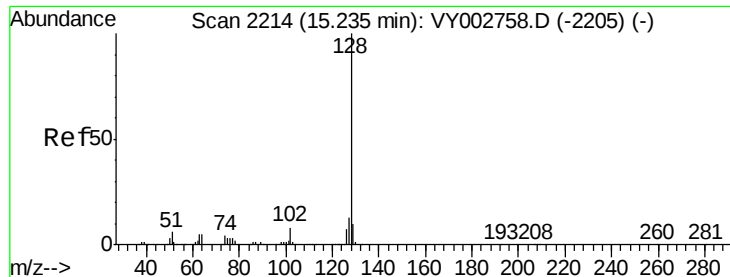


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

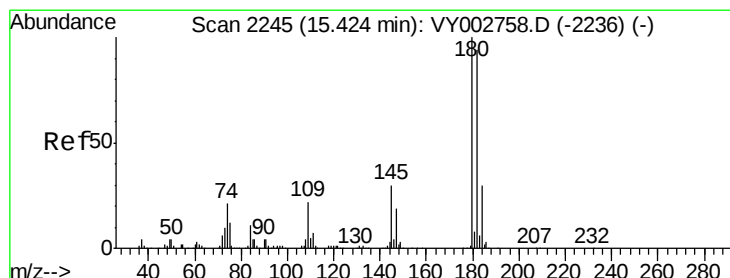
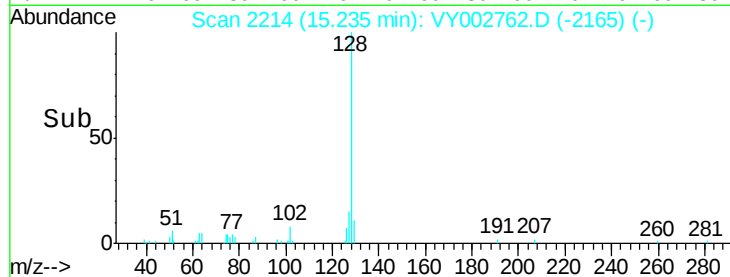
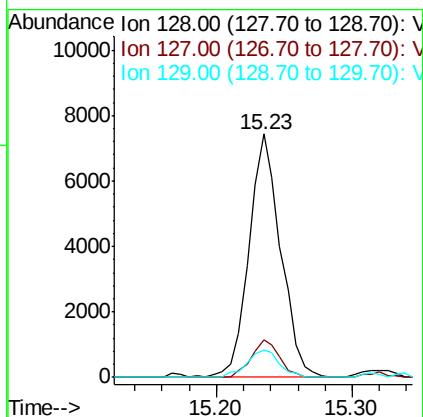
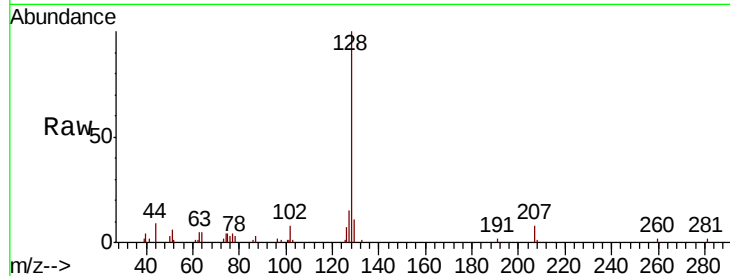




#95
Naphthalene
Concen: 1.296 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY002762.D
Acq: 27 May 2020 14:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0527SBL01

Tot Ion:128 Resp: 12111
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 11.4 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.382 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY002762.D
Acq: 27 May 2020 14:15

Tgt Ion:180 Resp: 5753
Ion Ratio Lower Upper
180 100
182 93.6 48.1 144.4
145 33.7 15.1 45.3

