

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051320\
 Data File : VY002683.D
 Acq On : 13 May 2020 14:40
 Operator : SY/MD
 Sample : L2636-02
 Misc : 5.35G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 14 02:56:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	331239	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	521578	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	466908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	227215	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	135923	48.80	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	97.60%	
35) Dibromofluoromethane	7.72	113	153410	51.43	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.86%	
50) Toluene-d8	10.18	98	607240	52.13	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.26%	
62) 4-Bromofluorobenzene	12.48	95	194927	49.31	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	98.62%	

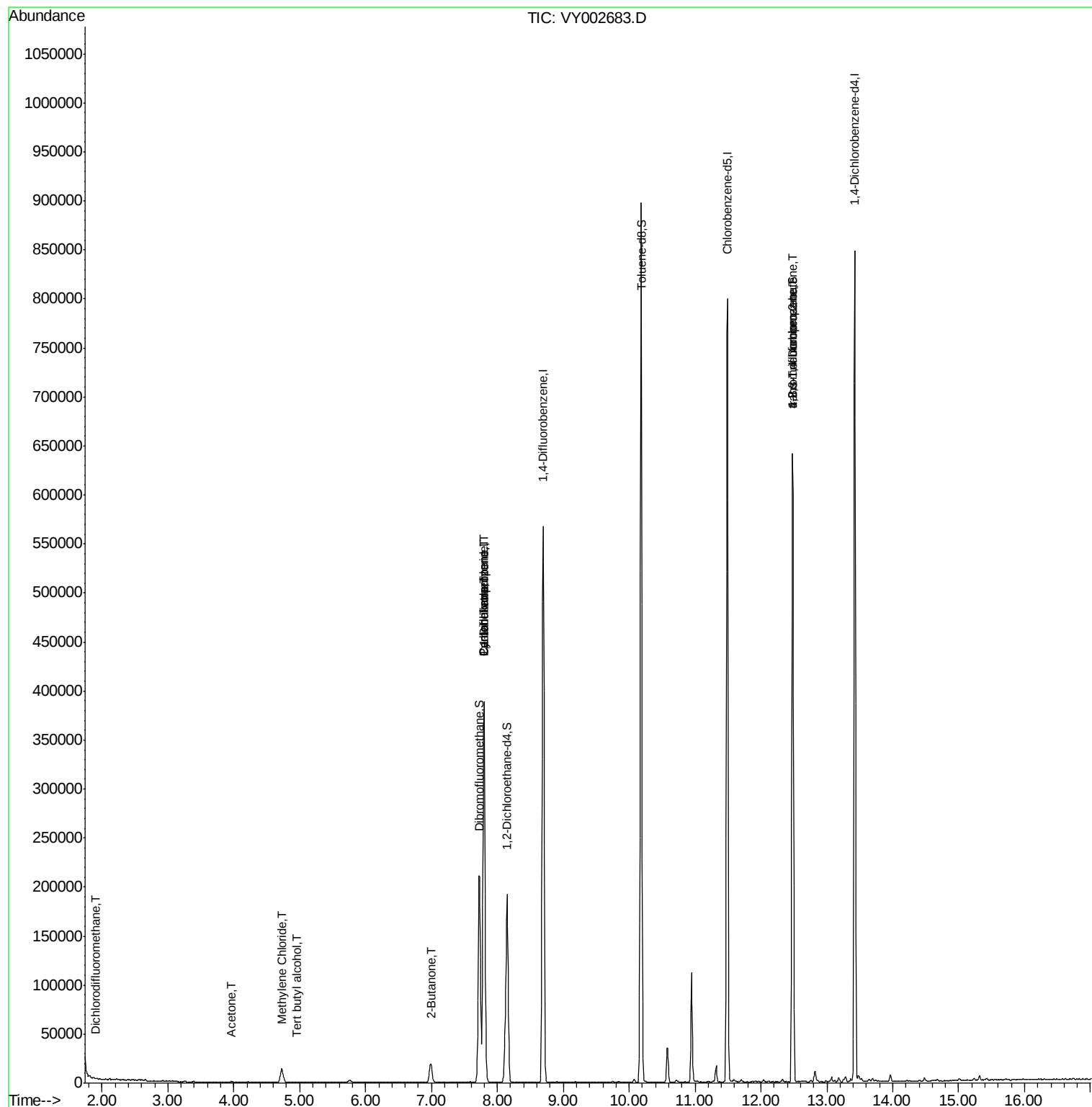
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	218	1.861	ug/l #	43
11) Tert butyl alcohol	4.96	59	403	1.406	ug/l #	74
16) Acetone	3.96	43	1117	1.943	ug/l	95
20) Methylene Chloride	4.73	84	11206	3.486	ug/l	92
25) 2-Butanone	6.99	43	1030	1.095	ug/l #	45
31) Cyclohexane	7.80	56	5032	1.005	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	20866	4.772	ug/l #	48
38) Carbon Tetrachloride	7.80	117	29319	6.142	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	93780	46.444	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	93780	93.130	ug/l #	15

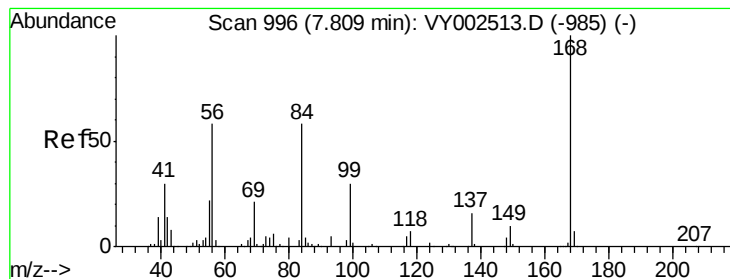
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002683.D

Acq: 13 May 2020 14:40

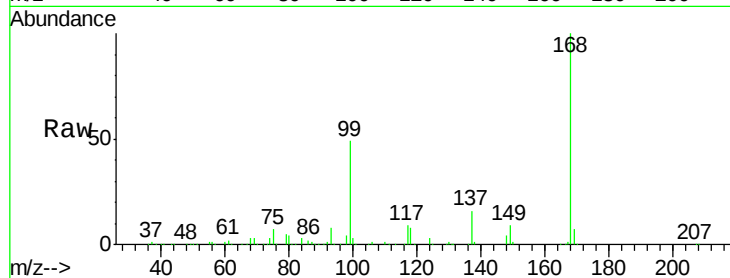
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 331239

Ion Ratio Lower Upper

168 100

99 48.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

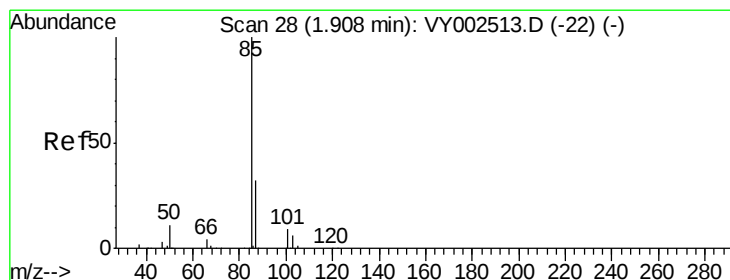
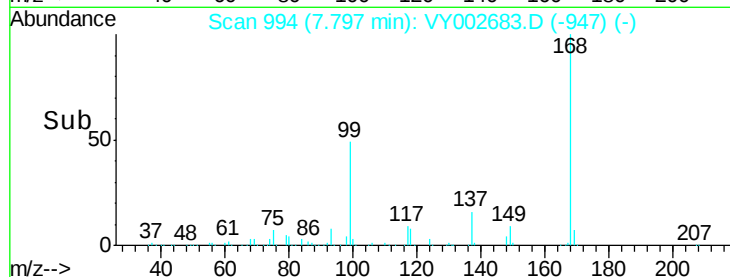
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.861 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002683.D

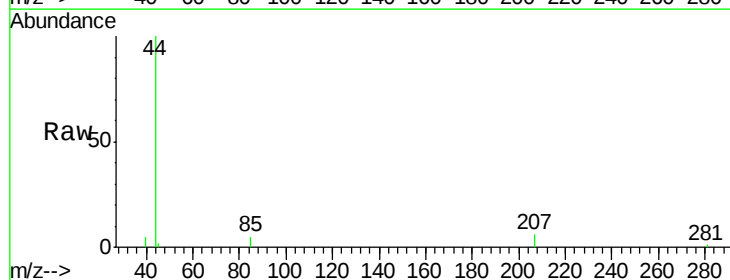
Acq: 13 May 2020 14:40

Tgt Ion: 85 Resp: 218

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.90

250

200

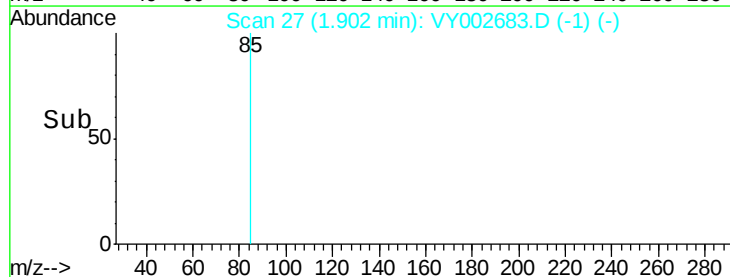
150

100

50

0

Time-->



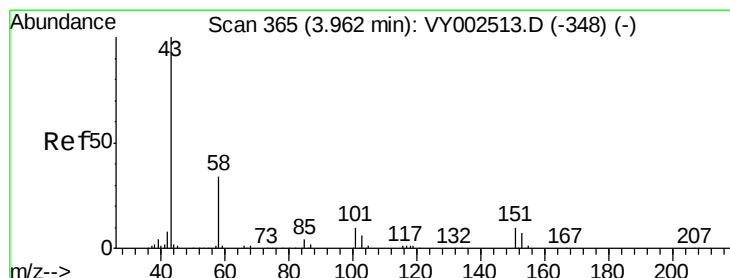
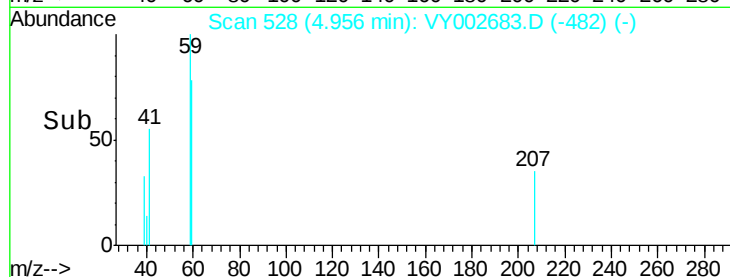
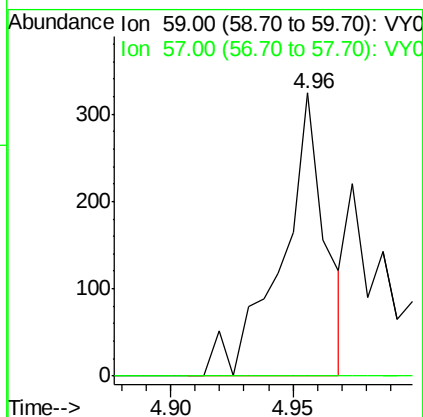
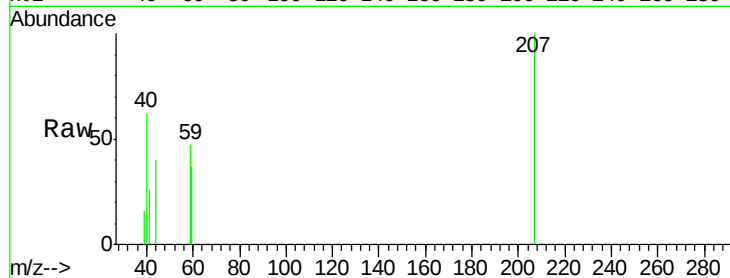


#11

Tert butyl alcohol
 Concen: 1.406 ug/l
 RT: 4.96 min Scan# 528
 Delta R.T. -0.02 min
 Lab File: VY002683.D
 Acq: 13 May 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampled :

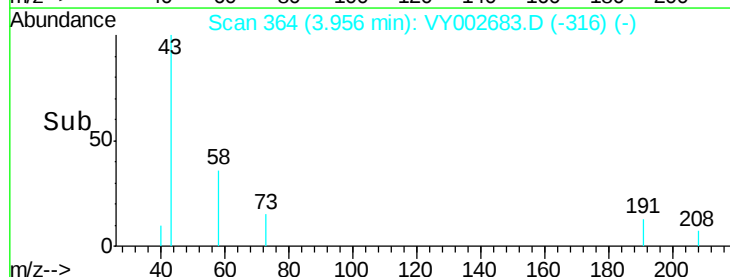
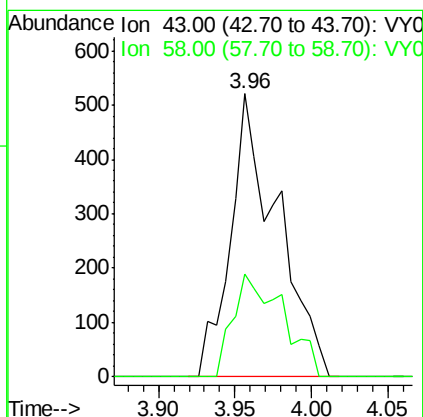
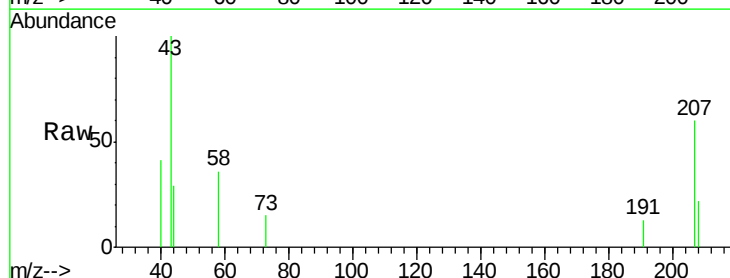
Tot Ion: 59 Resp: 403
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

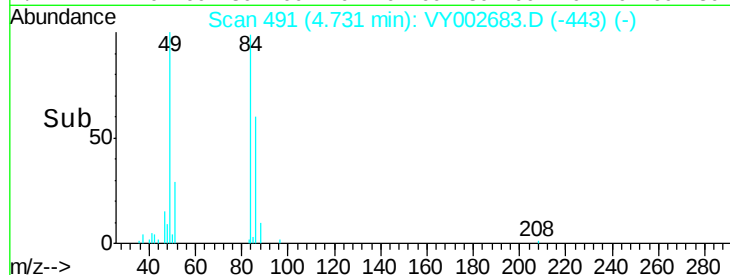
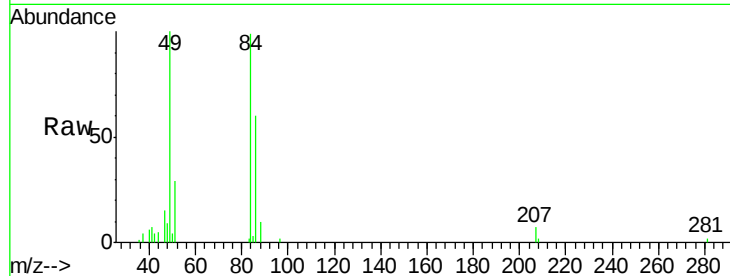
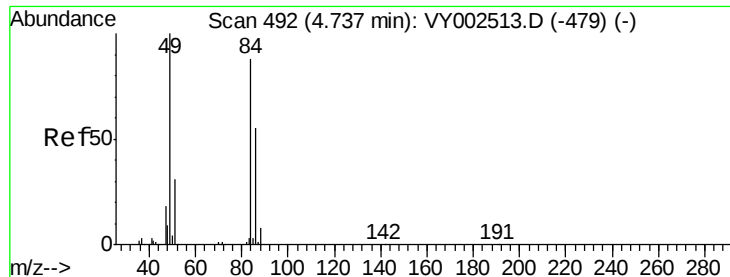


#16

Acetone
 Concen: 1.943 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VY002683.D
 Acq: 13 May 2020 14:40

Tgt Ion: 43 Resp: 1117
 Ion Ratio Lower Upper
 43 100
 58 36.5 26.9 40.3

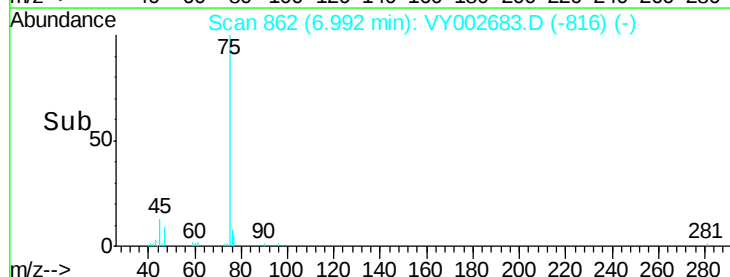
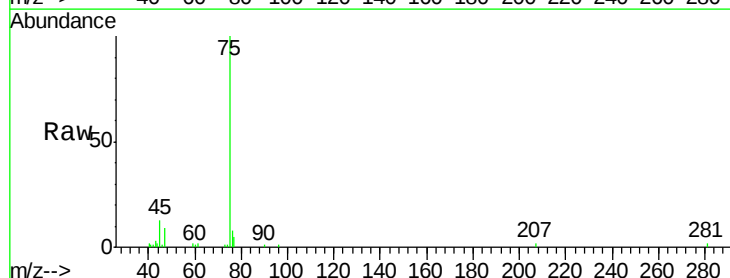
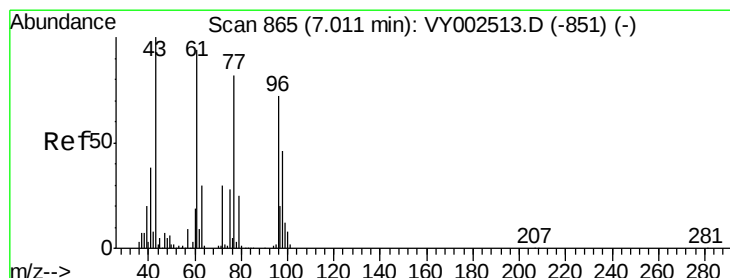
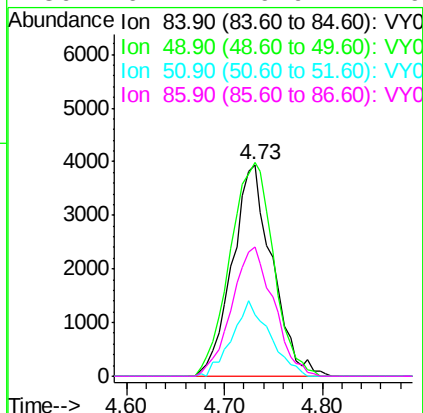




#20
Methvlene Chloride
Concen: 3.486 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002683.D
Acq: 13 May 2020 14:40

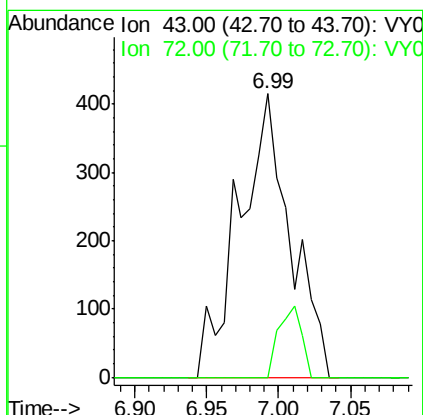
Instrument :
MSVOA_Y
ClientSampleId :

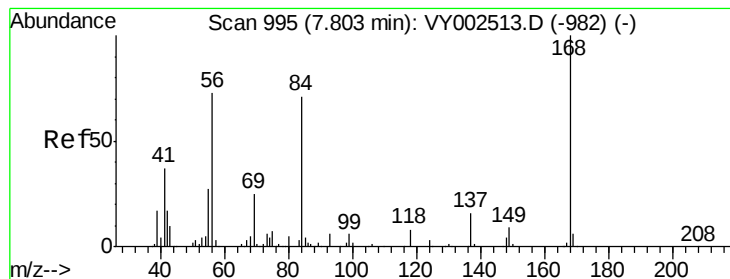
Tot Ion: 84 Resp: 11206
Ion Ratio Lower Upper
84 100
49 101.1 90.5 135.7
51 29.1 28.3 42.5
86 61.2 49.9 74.9



#25
2-Butanone
Concen: 1.095 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.02 min
Lab File: VY002683.D
Acq: 13 May 2020 14:40

Tgt Ion: 43 Resp: 1030
Ion Ratio Lower Upper
43 100
72 0.0 24.1 36.1#





#31

Cyclohexane

Concen: 1.005 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002683.D

Acq: 13 May 2020 14:40

Instrument :

MSVOA_Y

ClientSampled :

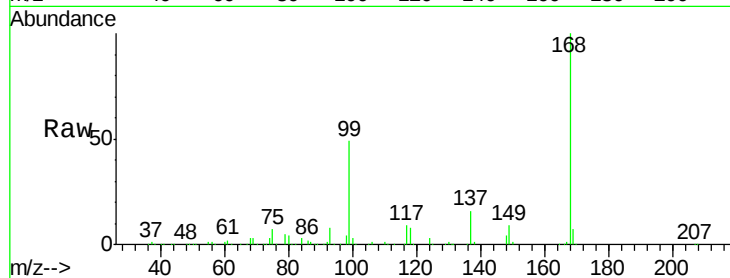
Tot Ion: 56 Resp: 5032

Ion Ratio Lower Upper

56 100

69 206.5 27.6 41.4#

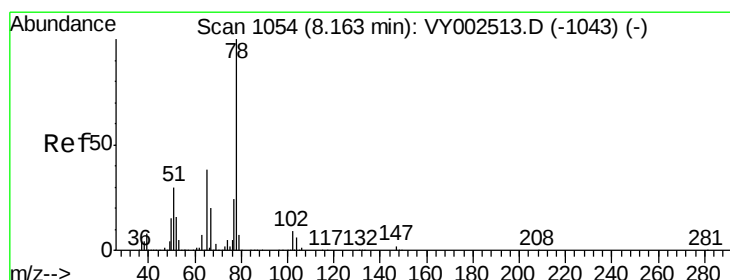
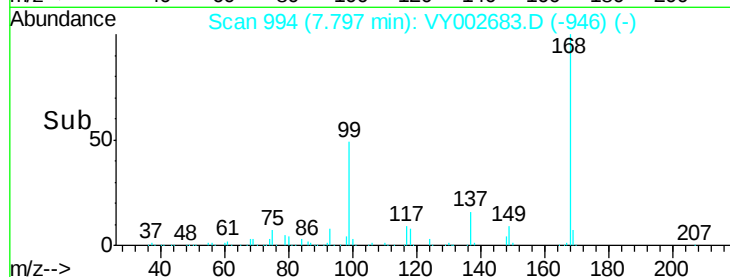
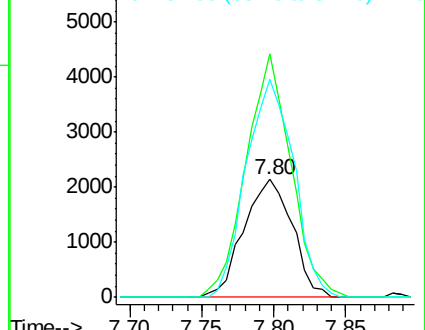
84 184.6 77.7 116.5#



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: 48.803 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002683.D

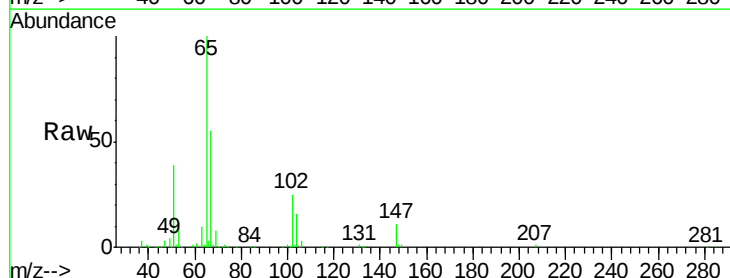
Acq: 13 May 2020 14:40

Tgt Ion: 65 Resp: 135923

Ion Ratio Lower Upper

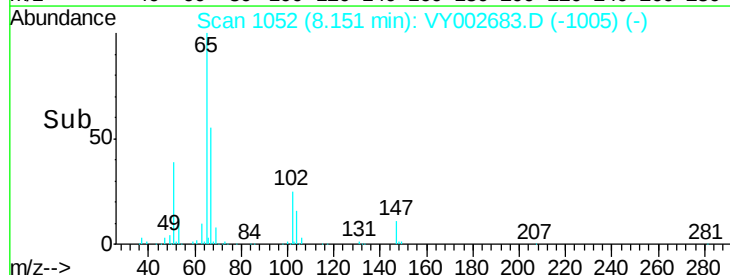
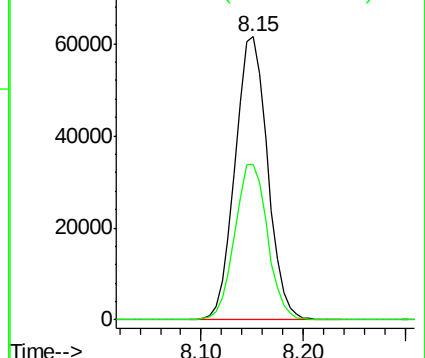
65 100

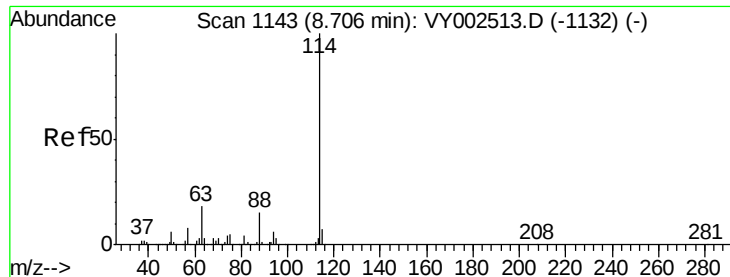
67 55.4 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

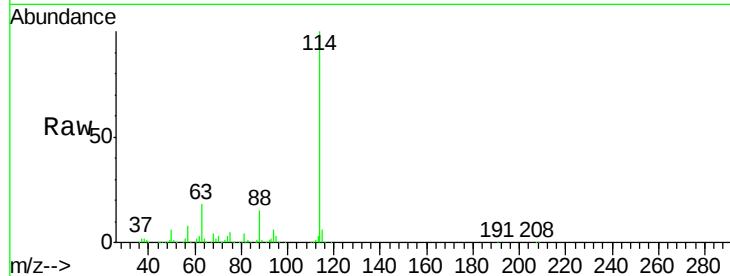




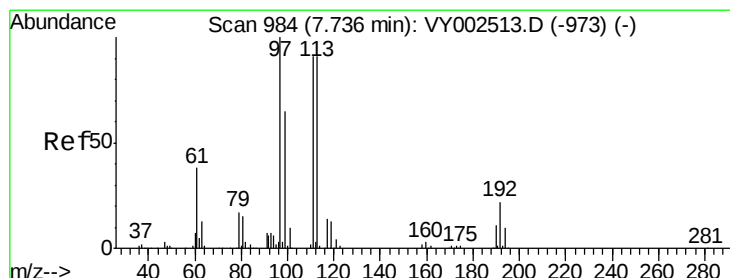
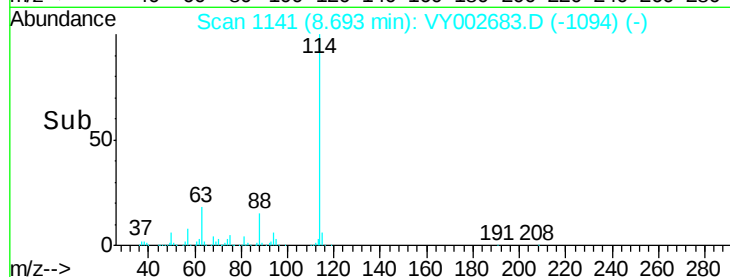
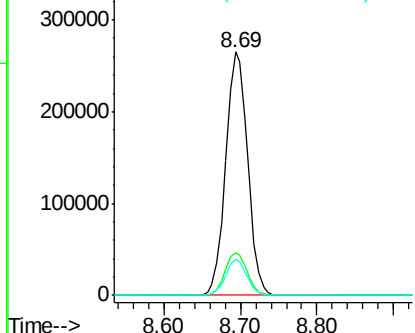
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY002683.D
 Acq: 13 May 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 521578
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 36.4
 88 14.7 0.0 29.6

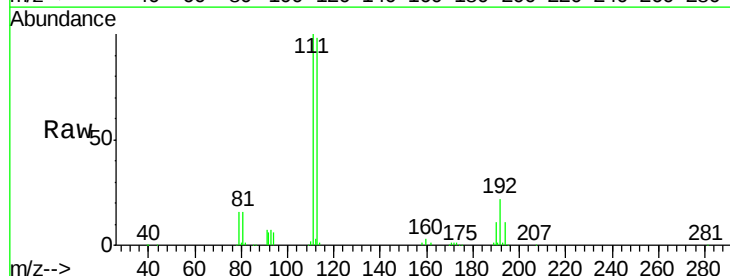


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

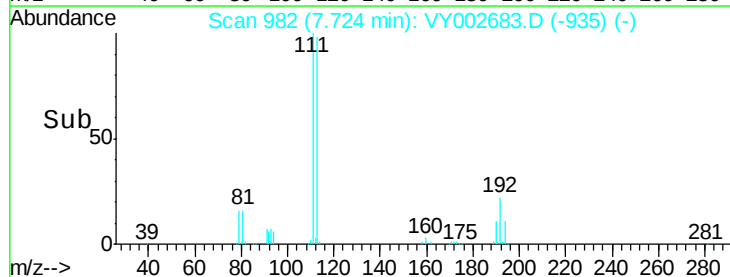
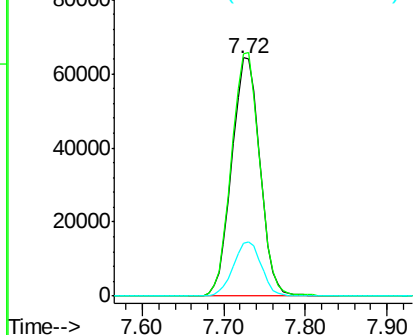


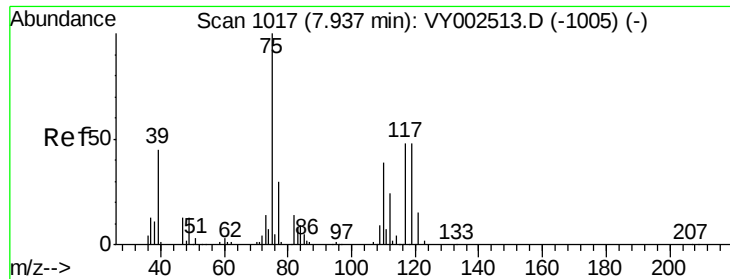
#35
 Dibromofluoromethane
 Concen: 51.429 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002683.D
 Acq: 13 May 2020 14:40

Tgt Ion:113 Resp: 153410
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.8 122.6
 192 22.7 18.2 27.4



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

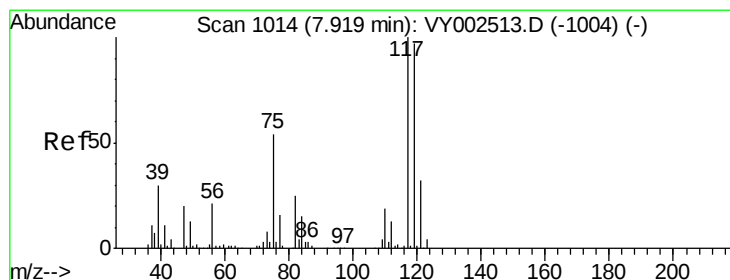
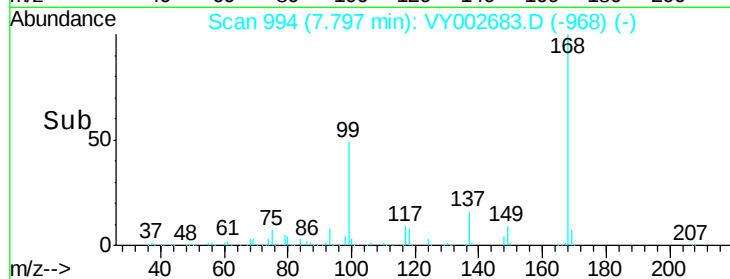
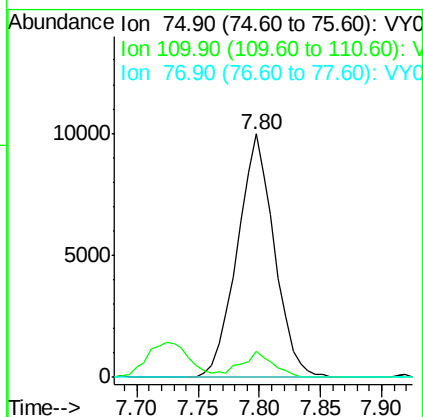
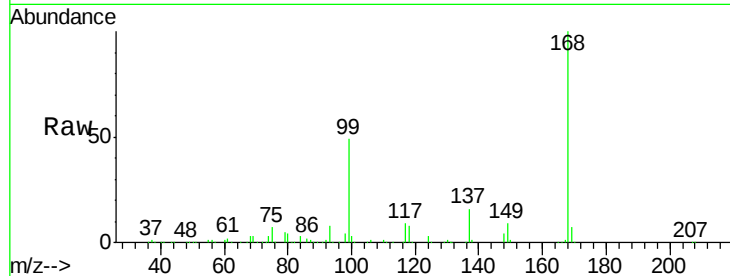




#36
 1,1-Dichloropropene
 Concen: 4.772 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.14 min
 Lab File: VY002683.D
 Acq: 13 May 2020 14:40

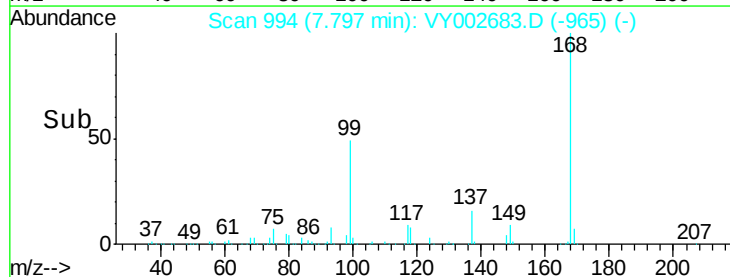
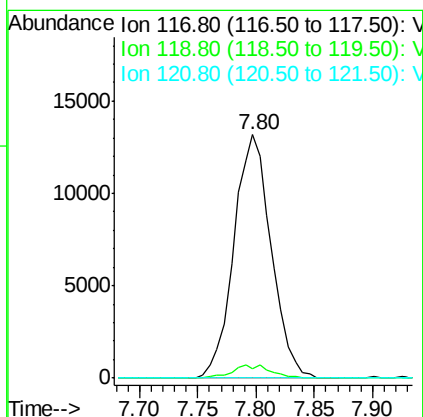
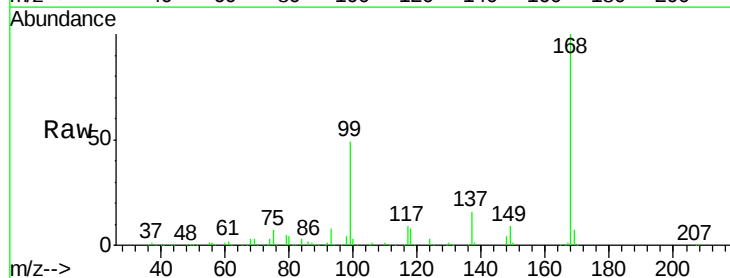
Instrument :
 MSVOA_Y
 ClientSampleId :

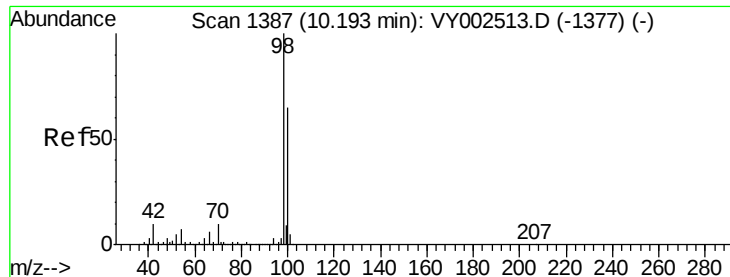
Tot Ion	75	Resp	20866
Ion Ratio	100	Lower	Upper
75	100		
110	8.8	19.1	57.3#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.142 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY002683.D
 Acq: 13 May 2020 14:40

Tgt Ion	117	Resp	29319
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	3.7	77.1	115.7#
121	0.0	25.2	37.8#





#50

Toluene-d8

Concen: 52.129 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002683.D

Acq: 13 May 2020 14:40

Instrument :

MSVOA_Y

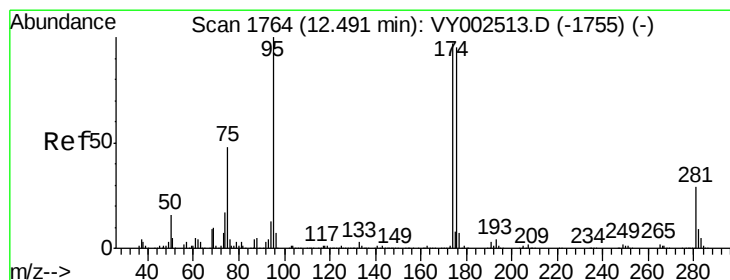
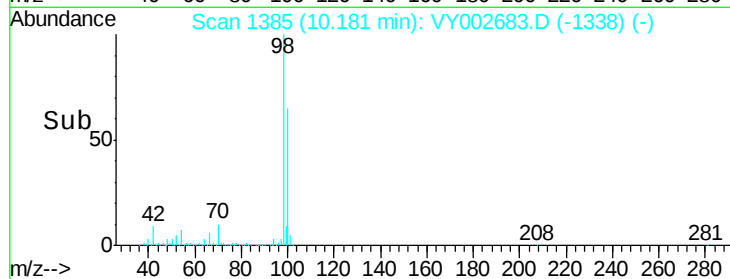
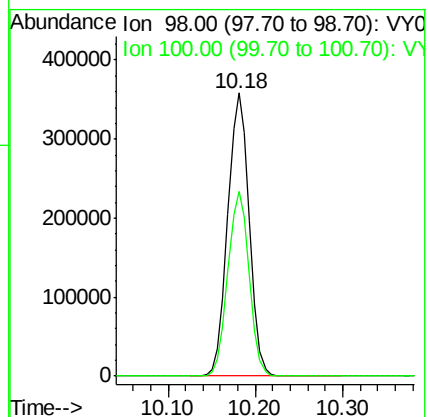
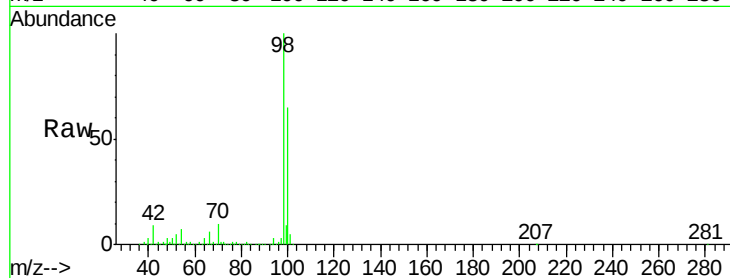
ClientSampleId :

Tot Ion: 98 Resp: 607240

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 49.315 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002683.D

Acq: 13 May 2020 14:40

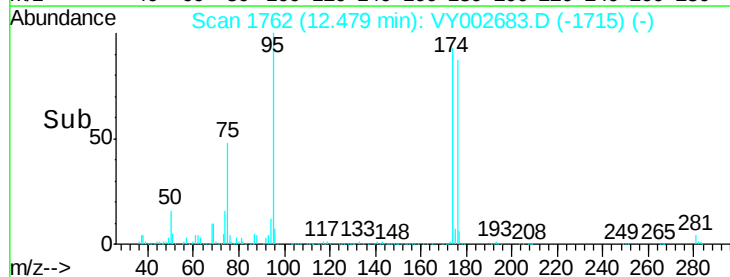
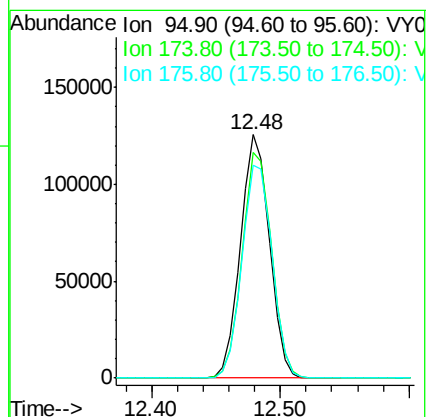
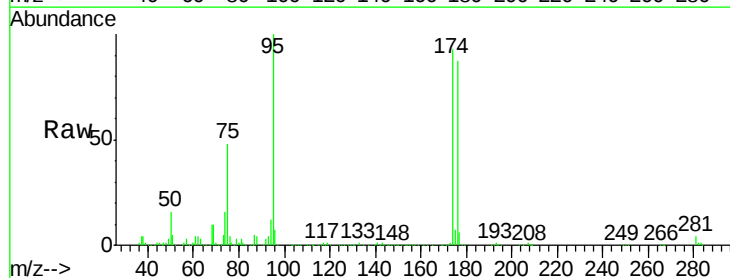
Tgt Ion: 95 Resp: 194927

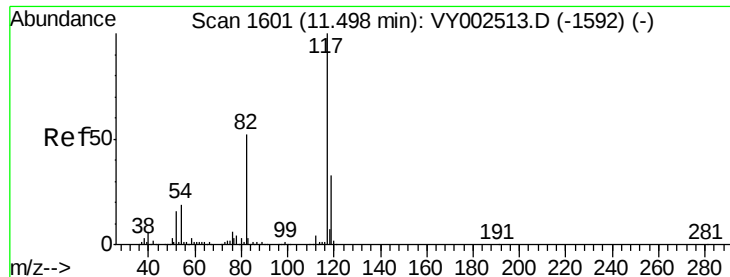
Ion Ratio Lower Upper

95 100

174 93.8 0.0 188.8

176 91.0 0.0 183.2

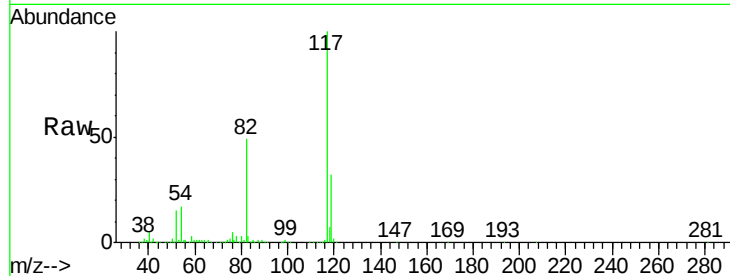




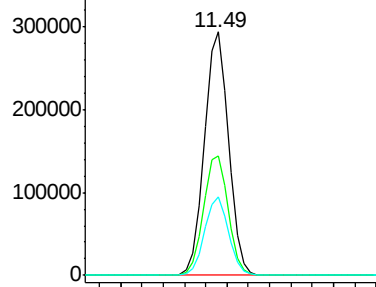
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002683.D
Acq: 13 May 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :

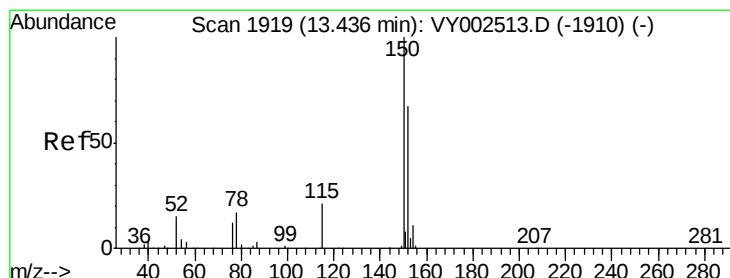
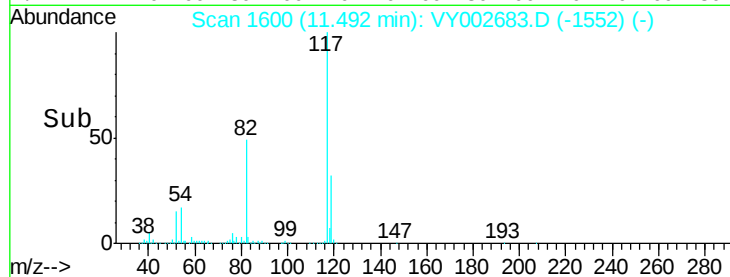
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.1	41.3	61.9
119	32.2	26.0	39.0



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

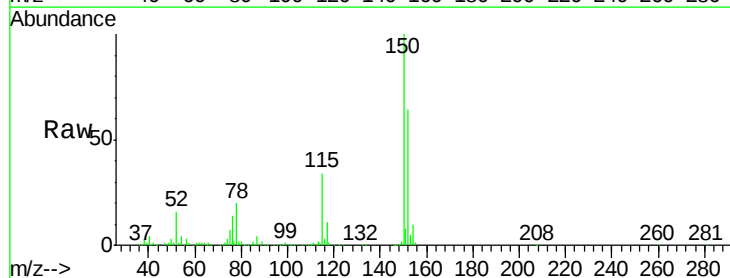


Time-->

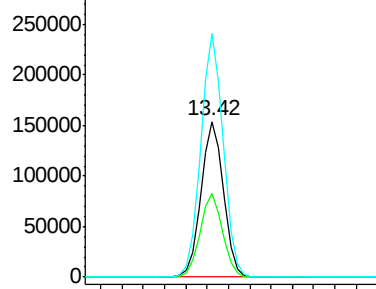


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002683.D
Acq: 13 May 2020 14:40

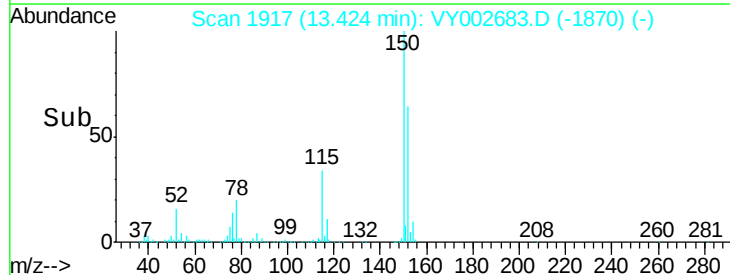
Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.7	27.5	82.4
150	156.4	0.0	346.4

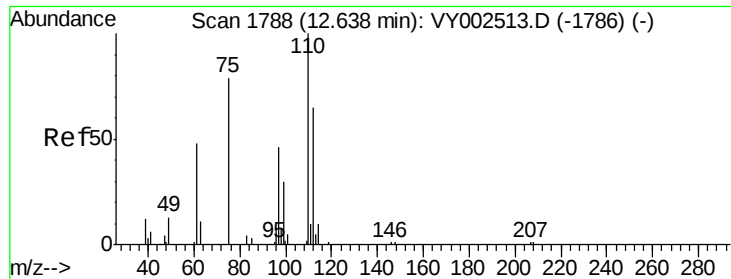


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time-->





#76

1,2,3-Trichloropropane

Concen: 46.444 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY002683.D

Acq: 13 May 2020 14:40

Instrument :

MSVOA_Y

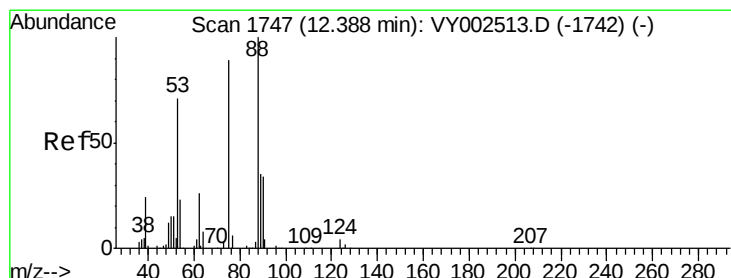
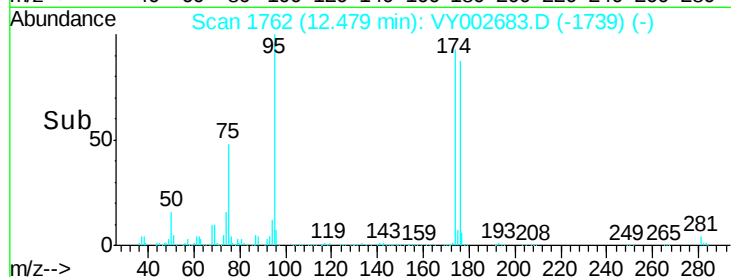
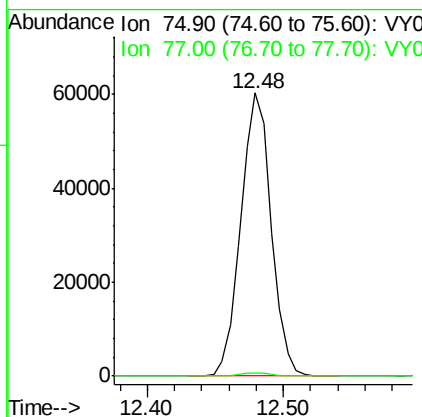
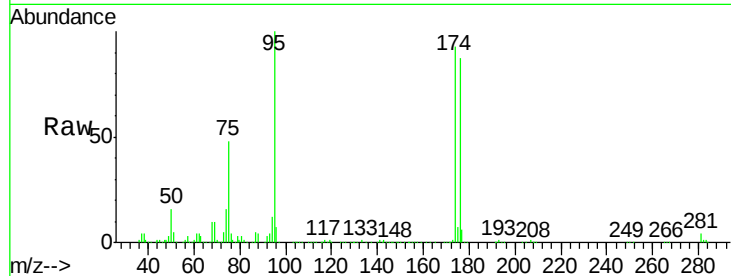
ClientSampleId :

Tot Ion: 75 Resp: 93780

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 93.130 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002683.D

Acq: 13 May 2020 14:40

Tgt Ion: 75 Resp: 93780

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.0 37.4 56.0#

