

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\
 Data File : VY002588.D
 Acq On : 05 May 2020 15:51
 Operator : SY/MD
 Sample : L2473-02RE
 Misc : 5.03G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: May 06 03:20:31 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	347815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	551398	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	506549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	255205	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	168366	57.57	ug/l	-0.01
Spiked Amount			Recovery	=	115.14%	
35) Dibromofluoromethane	7.73	113	169912	53.88	ug/l	0.00
Spiked Amount			Recovery	=	107.76%	
50) Toluene-d8	10.19	98	642709	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.49	95	222329	53.21	ug/l	0.00
Spiked Amount			Recovery	=	106.42%	

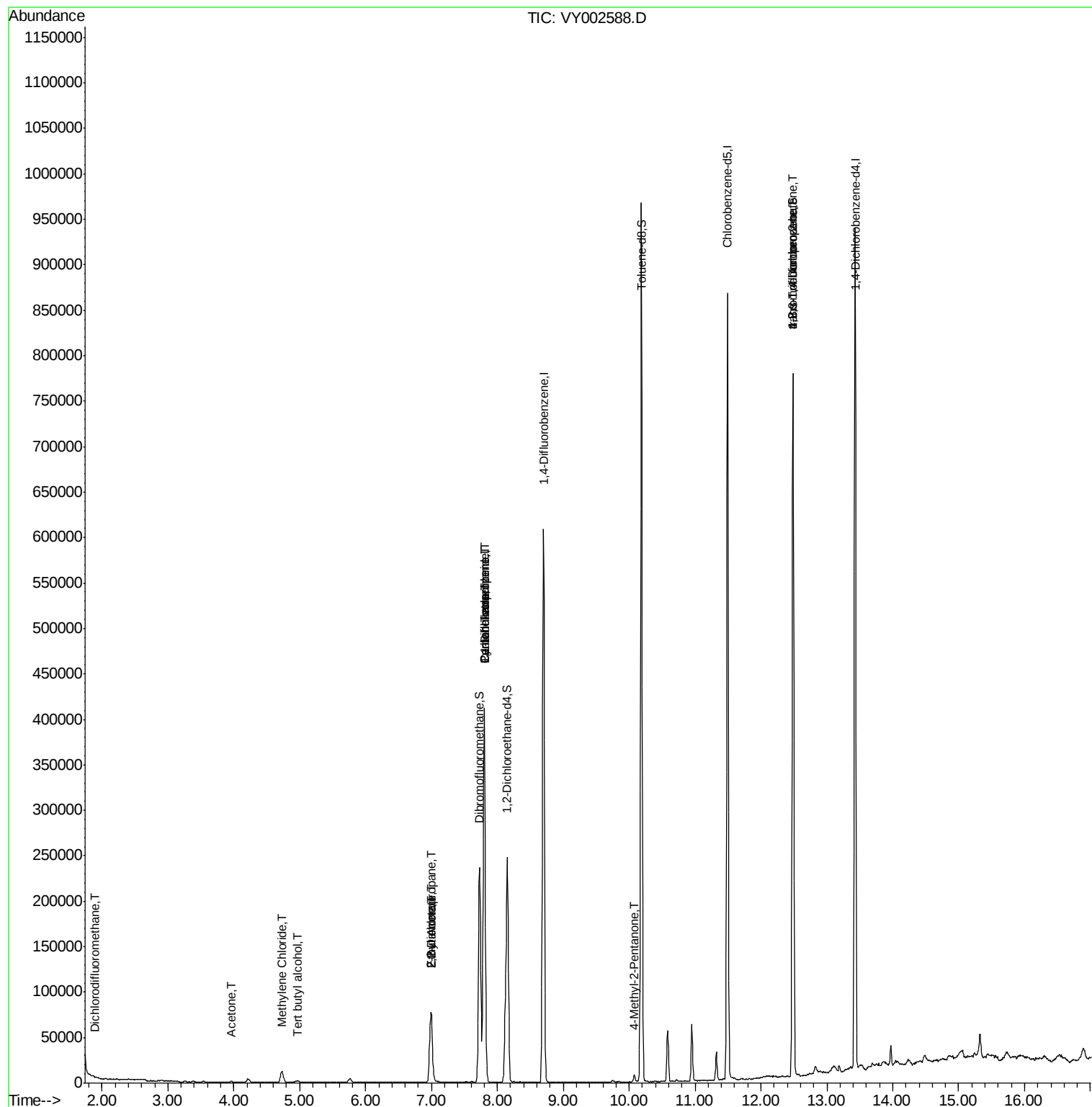
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	515	1.957	ug/l	90
11) Tert butyl alcohol	4.96	59	3367	11.191	ug/l #	78
16) Acetone	3.96	43	1710	2.833	ug/l #	85
20) Methylene Chloride	4.73	84	9774	2.896	ug/l	95
25) 2-Butanone	7.00	43	3743	3.789	ug/l #	62
26) 2,2-Dichloropropane	6.99	77	5926	1.194	ug/l #	52
31) Cyclohexane	7.80	56	5344	1.017	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	22819	4.937	ug/l #	48
37) Ethyl Acetate	7.00	43	3743	1.576	ug/l #	1
38) Carbon Tetrachloride	7.80	117	30840	6.111	ug/l #	15
51) 4-Methyl-2-Pentanone	10.08	43	5333	2.323	ug/l	99
76) 1,2,3-Trichloropropane	12.49	75	107335	47.327	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	107335	94.901	ug/l #	15

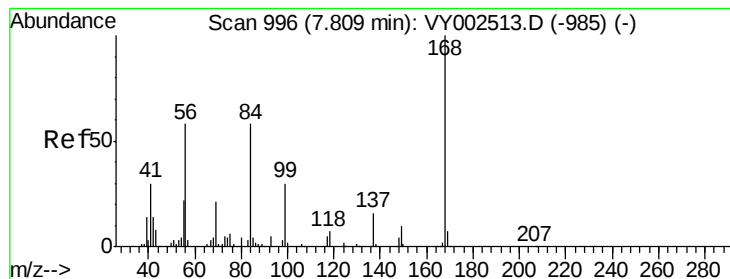
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002588.D

Acq: 05 May 2020 15:51

Instrument :

MSVOA_Y

ClientSampled :

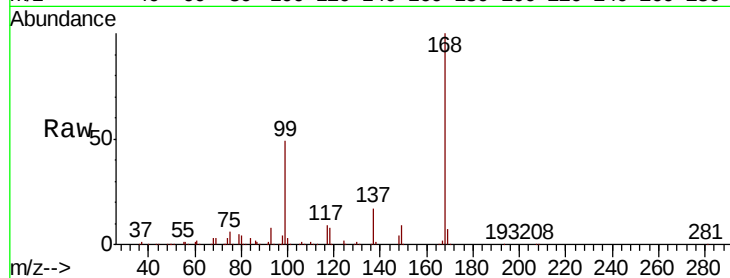
VOC

Tot Ion:168 Resp: 347815

Ion Ratio Lower Upper

168 100

99 49.4 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

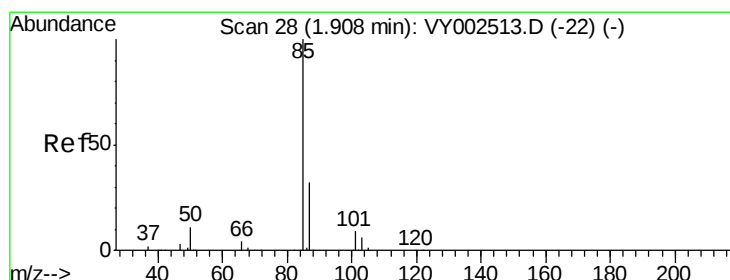
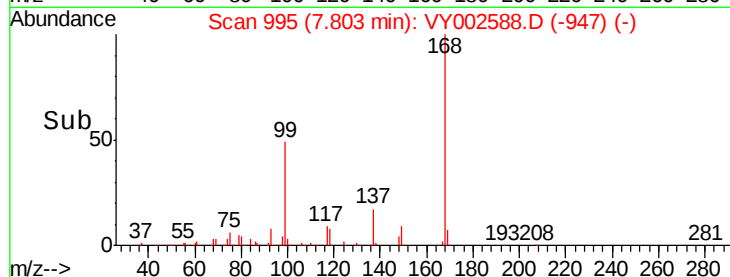
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 1.957 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002588.D

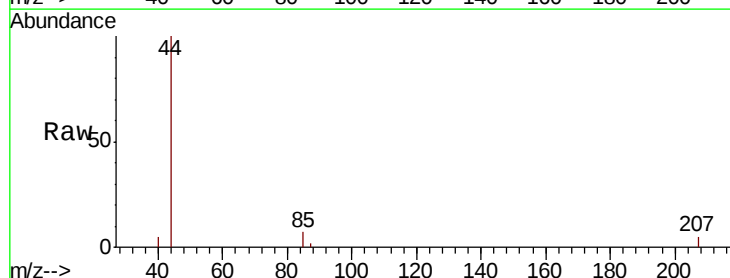
Acq: 05 May 2020 15:51

Tgt Ion: 85 Resp: 515

Ion Ratio Lower Upper

85 100

87 26.0 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

300

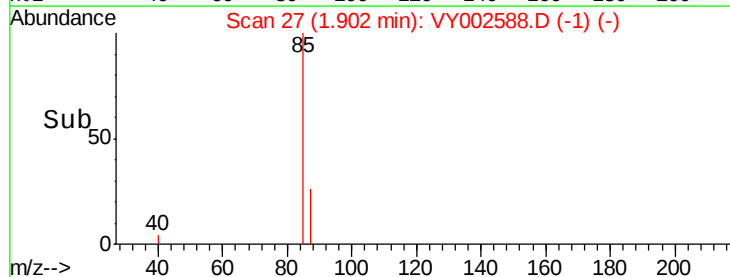
200

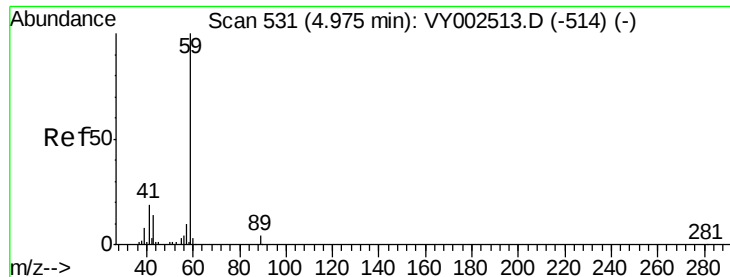
100

0

1.85 1.90 1.95

Time-->



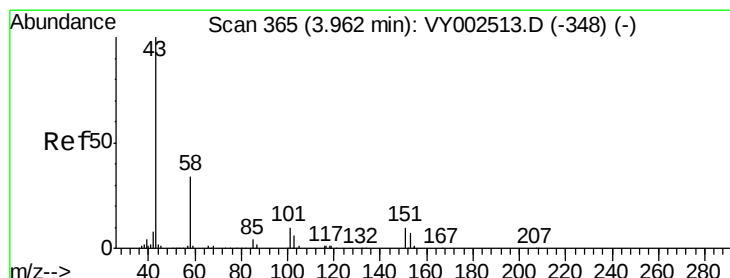
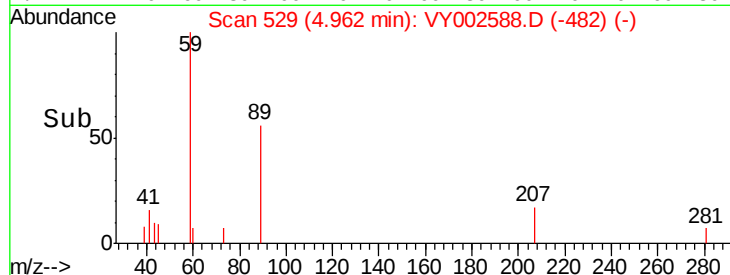
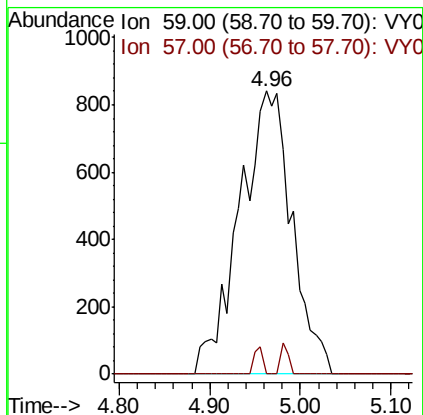
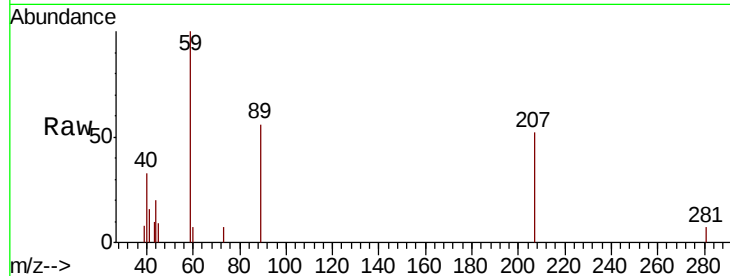


#11

Tert butyl alcohol
 Concen: 11.191 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY002588.D
 Acq: 05 May 2020 15:51

Instrument :
 MSVOA_Y
 ClientSampled :
 VOC

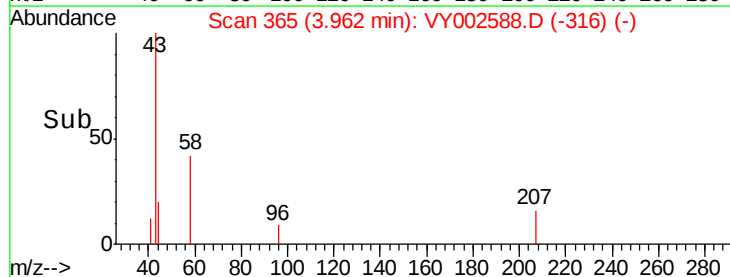
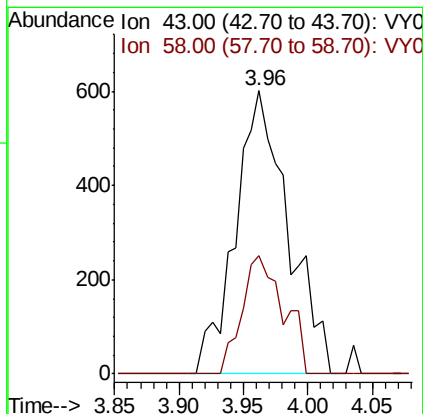
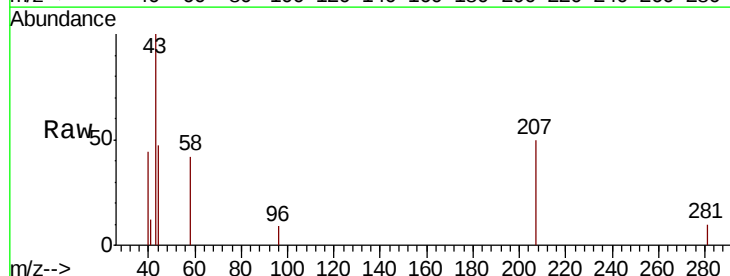
Tot Ion: 59 Resp: 3367
 Ion Ratio Lower Upper
 59 100
 57 1.6 7.8 11.6#

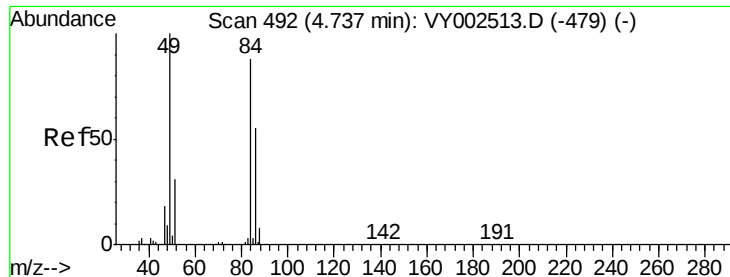


#16

Acetone
 Concen: 2.833 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VY002588.D
 Acq: 05 May 2020 15:51

Tgt Ion: 43 Resp: 1710
 Ion Ratio Lower Upper
 43 100
 58 41.9 26.9 40.3#

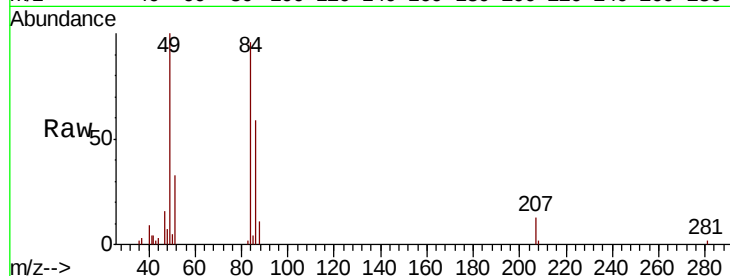




#20
Methvlene Chloride
Concen: 2.896 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002588.D
Acq: 05 May 2020 15:51

Instrument :
MSVOA_Y
ClientSampled :
VOC

Tot Ion:	84	Resp:	9774
Ion	Ratio	Lower	Upper
84	100		
49	104.2	90.5	135.7
51	34.4	28.3	42.5
86	61.0	49.9	74.9



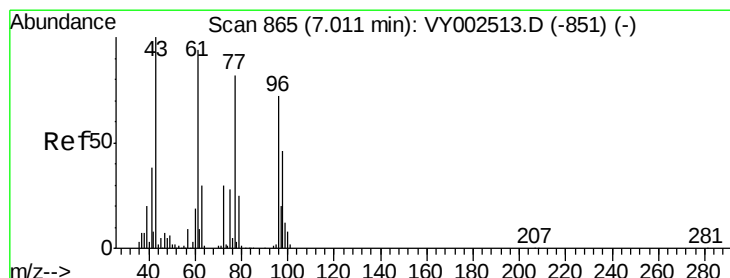
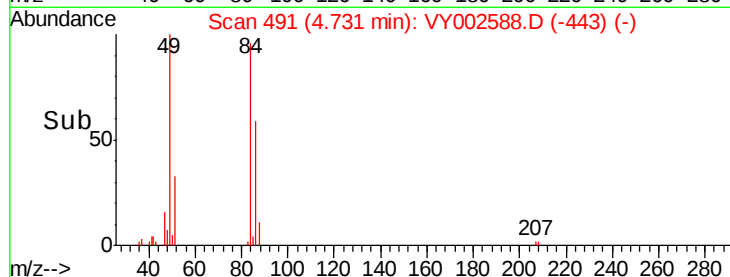
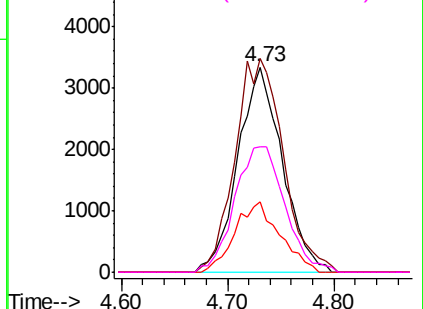
Abundance

Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

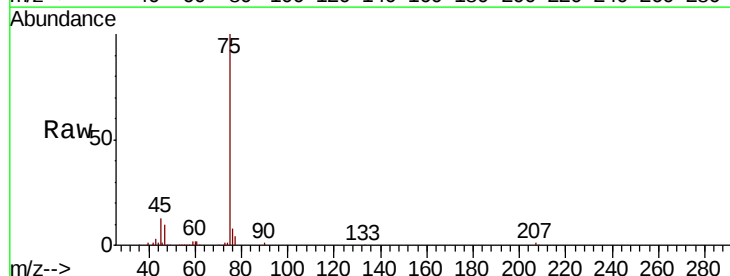
Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#25
2-Butanone
Concen: 3.789 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002588.D
Acq: 05 May 2020 15:51

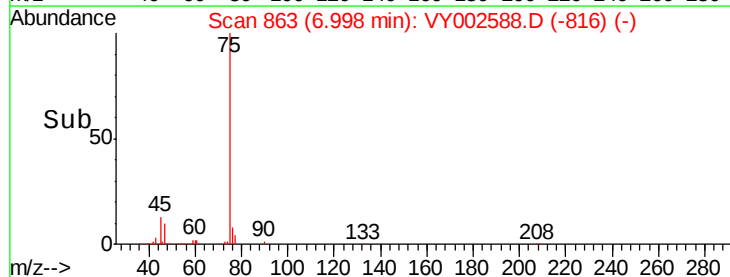
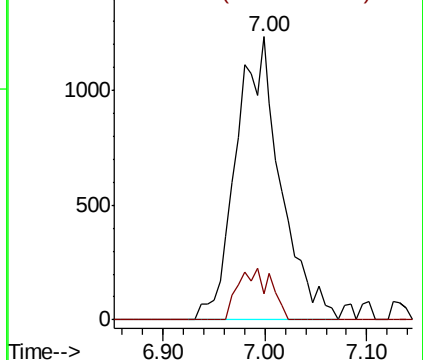
Tgt Ion:	43	Resp:	3743
Ion	Ratio	Lower	Upper
43	100		
72	9.4	24.1	36.1#

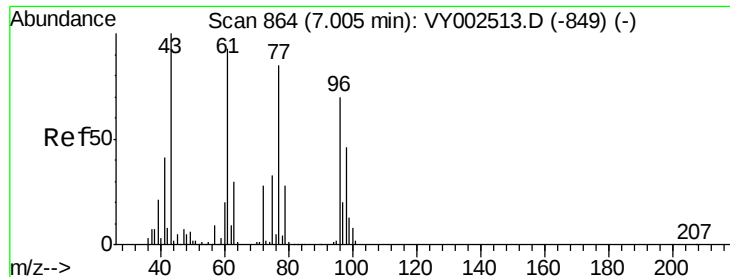


Abundance

Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0





#26

2,2-Dichloropropane

Concen: 1.194 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002588.D

Acq: 05 May 2020 15:51

Instrument :

MSVOA_Y

ClientSampleId :

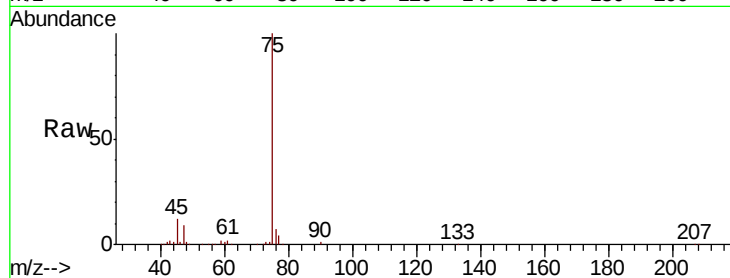
VOC

Tot Ion: 77 Resp: 5926

Ion Ratio Lower Upper

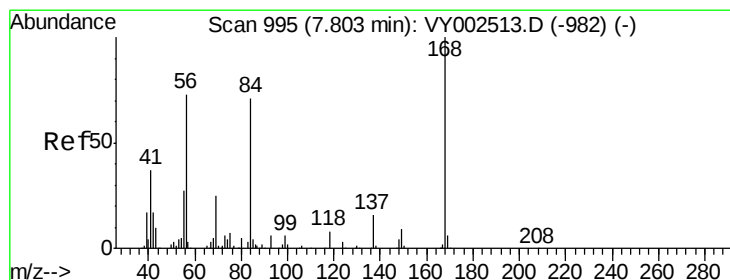
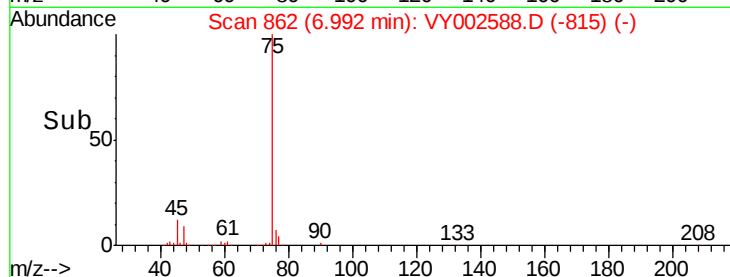
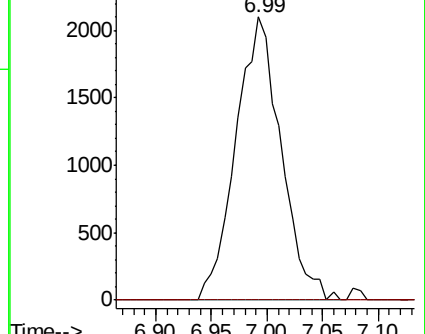
77 100

97 0.0 11.9 35.5#



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



#31

Cyclohexane

Concen: 1.017 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002588.D

Acq: 05 May 2020 15:51

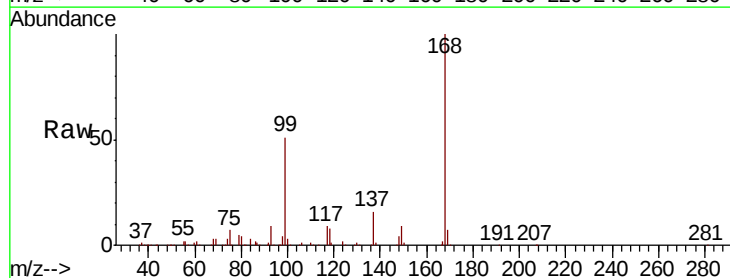
Tgt Ion: 56 Resp: 5344

Ion Ratio Lower Upper

56 100

69 184.1 27.6 41.4#

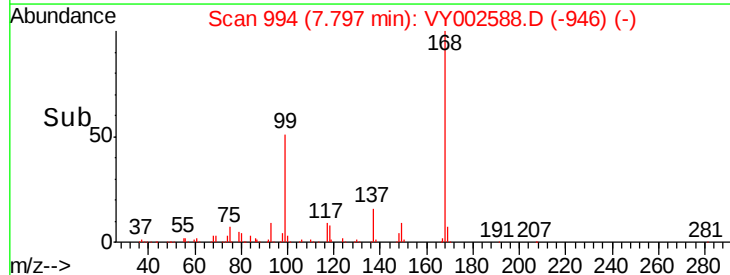
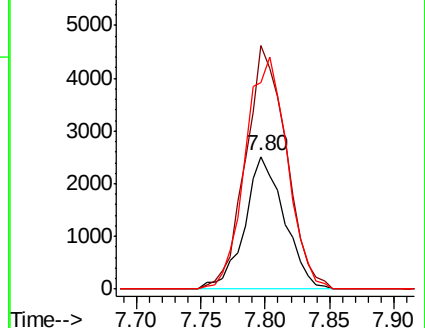
84 156.3 77.7 116.5#

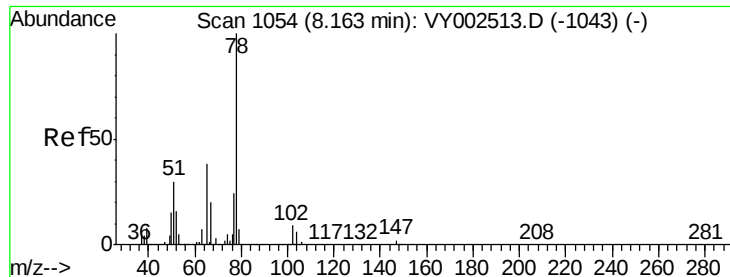


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

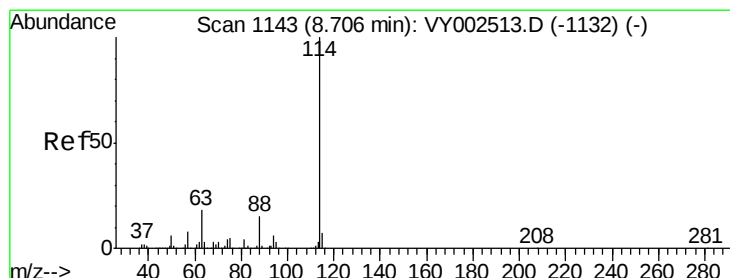
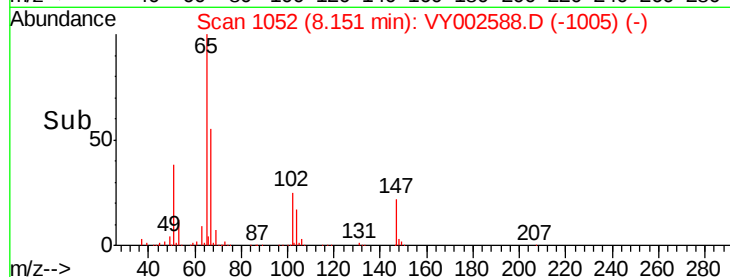
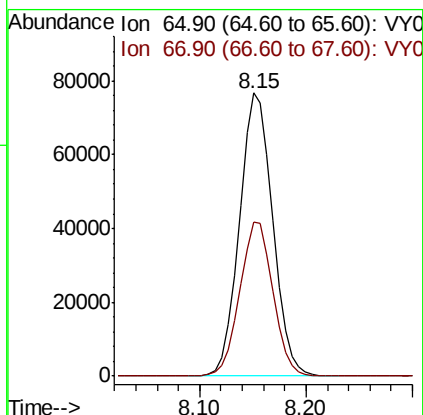
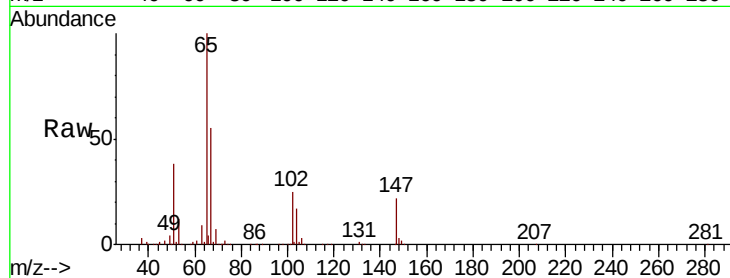




#33
 1,2-Dichloroethane-d4
 Concen: 57.571 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002588.D
 Acq: 05 May 2020 15:51

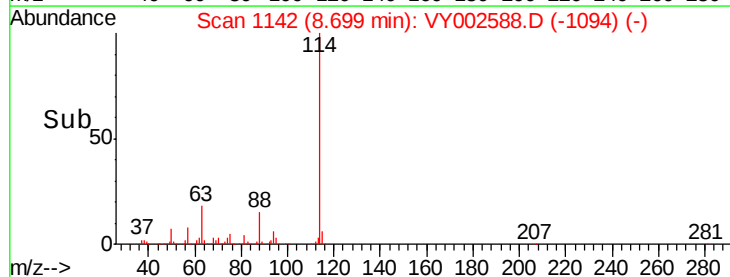
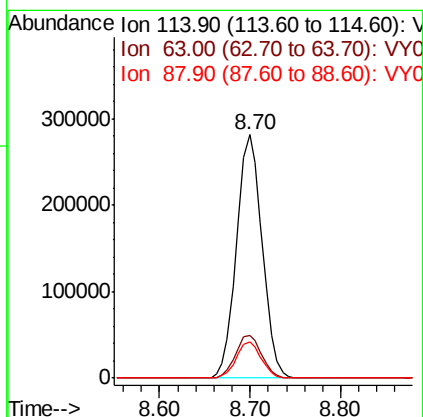
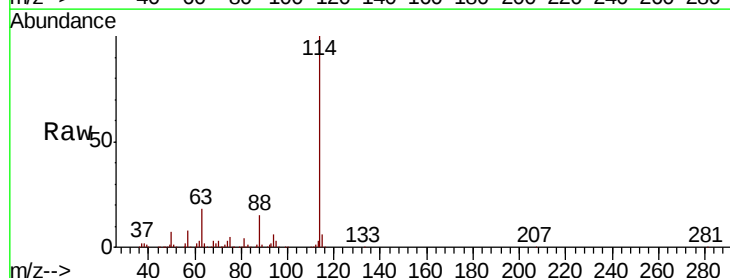
Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

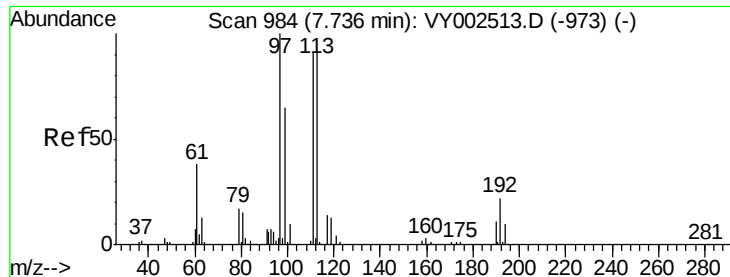
Tot Ion: 65 Resp: 168366
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002588.D
 Acq: 05 May 2020 15:51

Tgt Ion: 114 Resp: 551398
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.4
 88 14.9 0.0 29.6

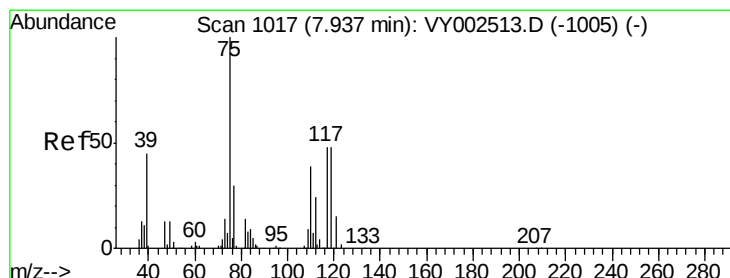
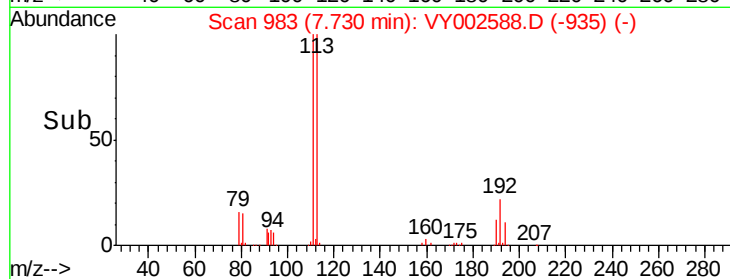
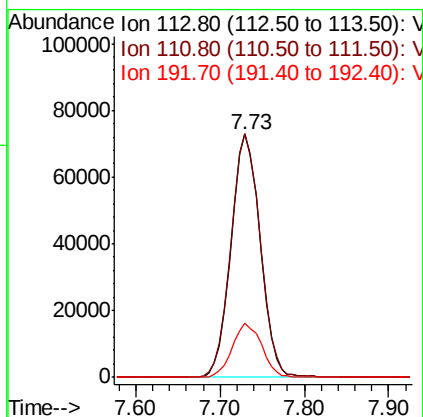
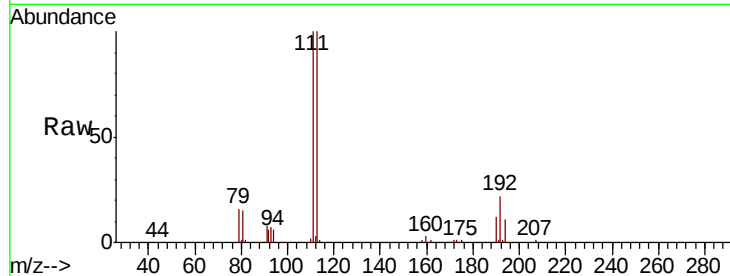




#35
 Dibromofluoromethane
 Concen: 53.881 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002588.D
 Acq: 05 May 2020 15:51

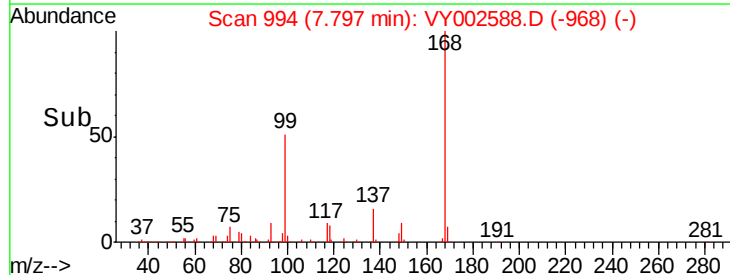
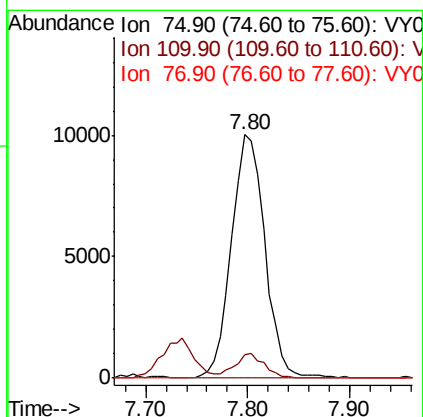
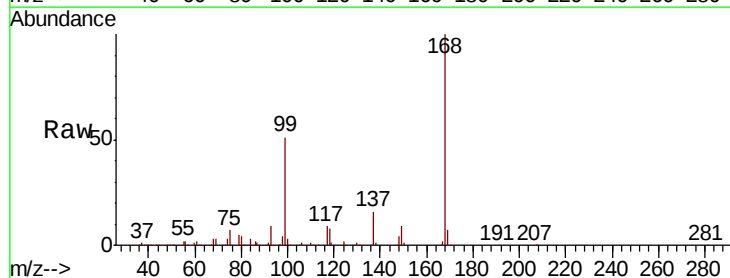
Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

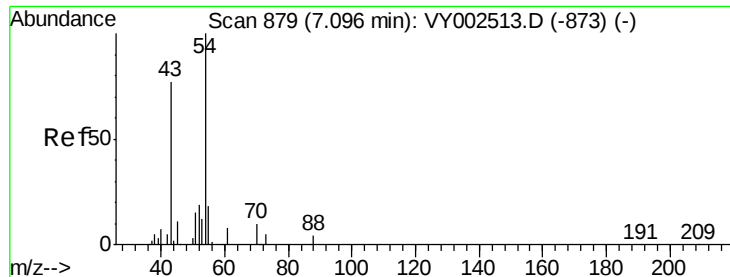
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.8	122.6
192	22.4	18.2	27.4



#36
 1,1-Dichloropropene
 Concen: 4.937 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.14 min
 Lab File: VY002588.D
 Acq: 05 May 2020 15:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	19.1	57.3#
77	0.0	24.6	37.0#

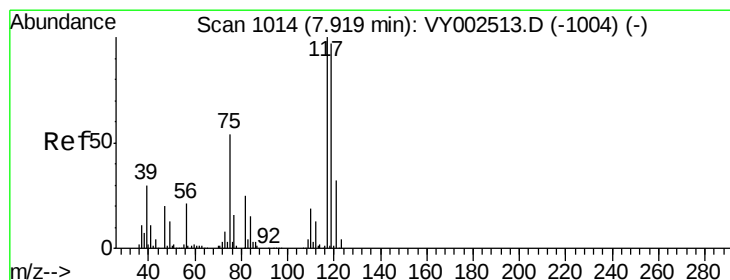
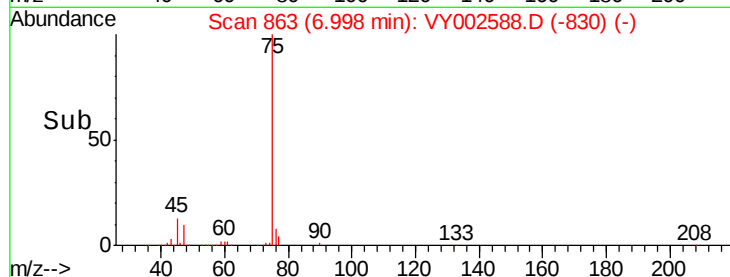
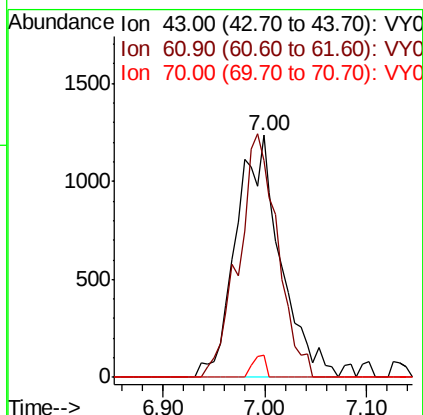
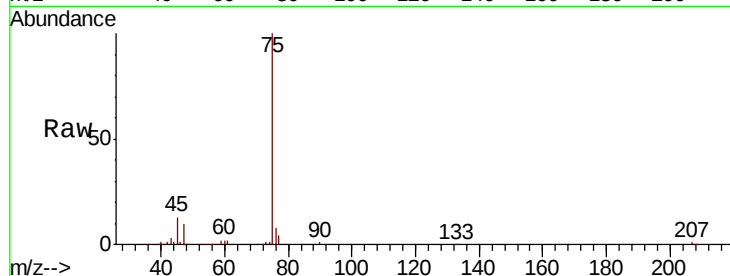




#37
Ethyl Acetate
Concen: 1.576 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.10 min
Lab File: VY002588.D
Acq: 05 May 2020 15:51

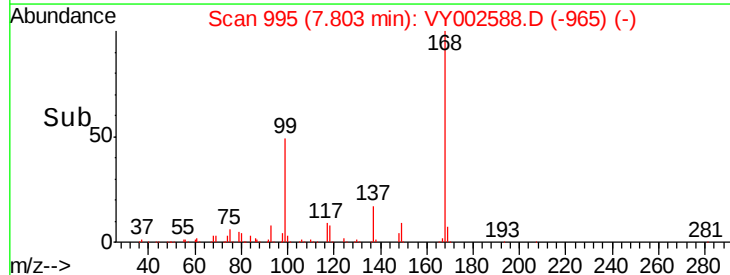
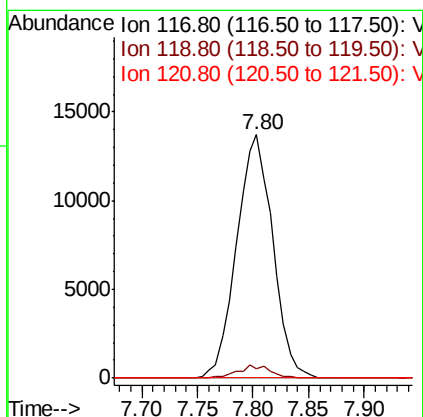
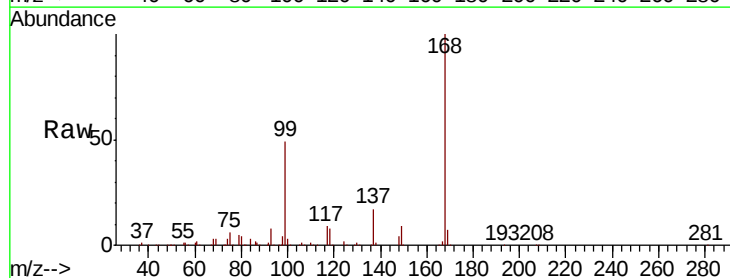
Instrument :
MSVOA_Y
ClientSampleId :
VOC

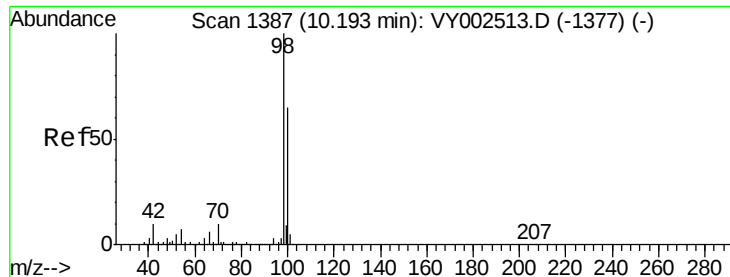
Tot Ion: 43 Resp: 3743
Ion Ratio Lower Upper
43 100
61 88.1 11.6 17.4#
70 2.8 9.0 13.6#



#38
Carbon Tetrachloride
Concen: 6.111 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.12 min
Lab File: VY002588.D
Acq: 05 May 2020 15:51

Tgt Ion: 117 Resp: 30840
Ion Ratio Lower Upper
117 100
119 4.0 77.1 115.7#
121 0.0 25.2 37.8#





#50

Toluene-d8

Concen: 52.190 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY002588.D

Acq: 05 May 2020 15:51

Instrument :

MSVOA_Y

ClientSampled :

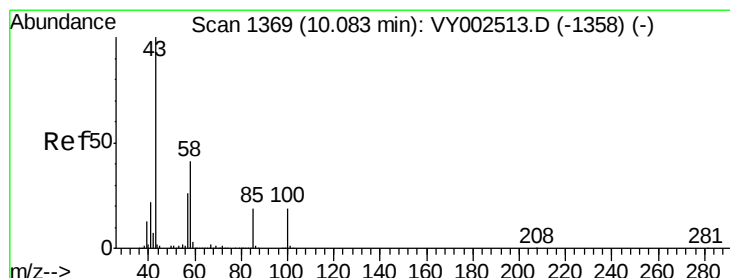
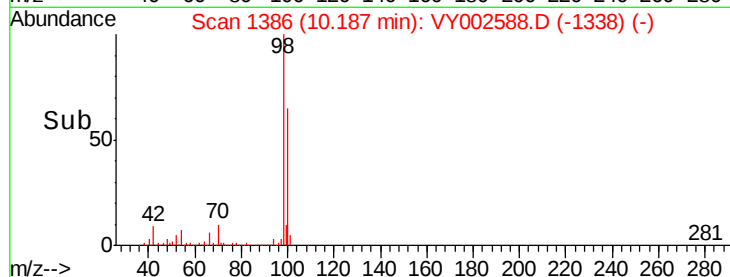
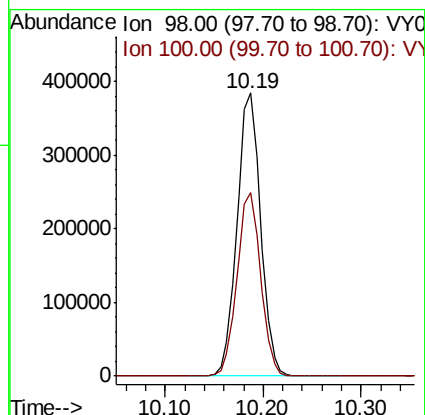
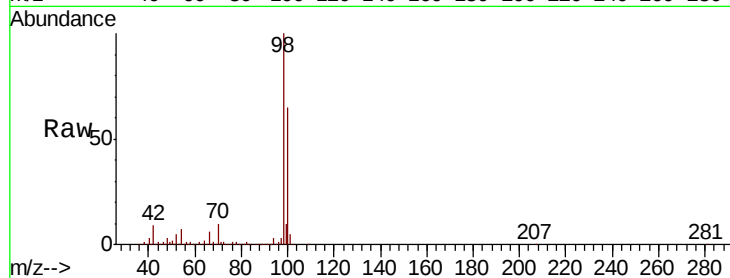
VOC

Tot Ion: 98 Resp: 642709

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 2.323 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY002588.D

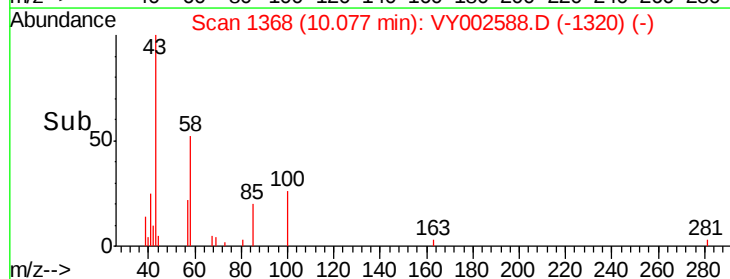
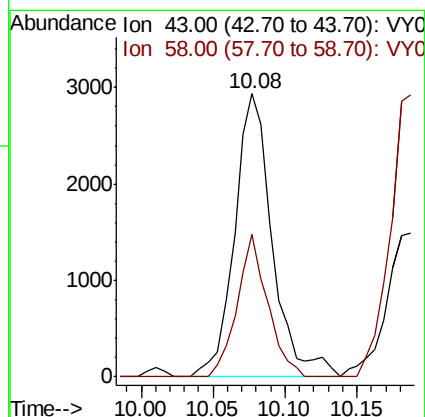
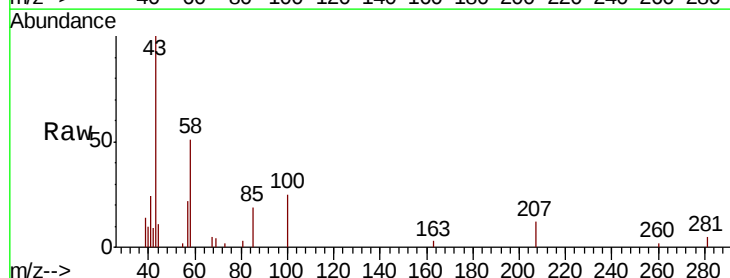
Acq: 05 May 2020 15:51

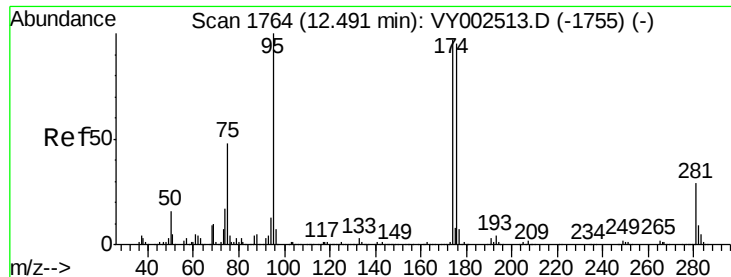
Tgt Ion: 43 Resp: 5333

Ion Ratio Lower Upper

43 100

58 40.7 33.2 49.8





#62

4-Bromofluorobenzene

Concen: 53.205 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002588.D

Acq: 05 May 2020 15:51

Instrument :

MSVOA_Y

ClientSampleId :

VOC

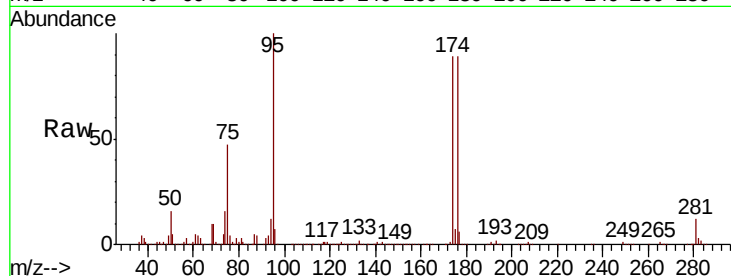
Tot Ion: 95 Resp: 222329

Ion Ratio Lower Upper

95 100

174 91.5 0.0 188.8

176 89.0 0.0 183.2



Abundance Ion 94.90 (94.60 to 95.60): VY002513.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002513.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002513.D (-1755) (-)

12.49

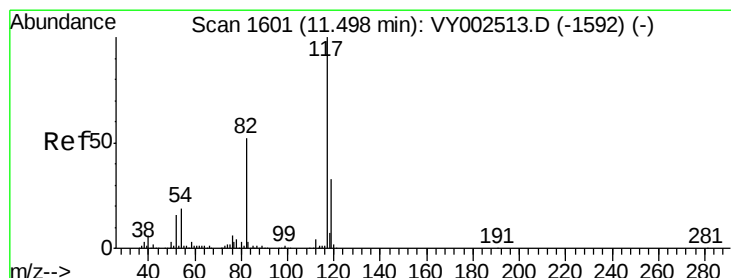
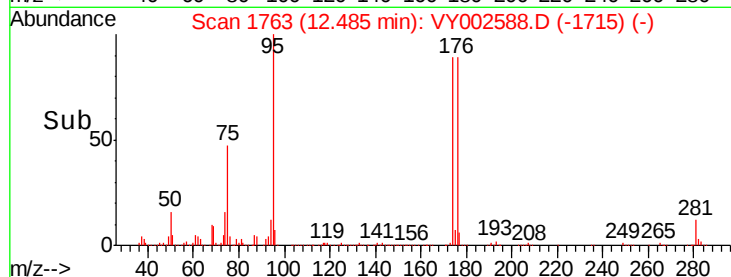
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY002588.D

Acq: 05 May 2020 15:51

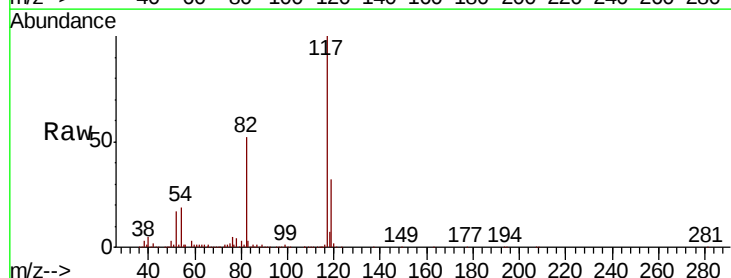
Tgt Ion: 117 Resp: 506549

Ion Ratio Lower Upper

117 100

82 52.0 41.3 61.9

119 32.2 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VY002513.D (-1592) (-)

Ion 82.00 (81.70 to 82.70): VY002513.D (-1592) (-)

Ion 118.90 (118.60 to 119.60): VY002513.D (-1592) (-)

11.49

400000

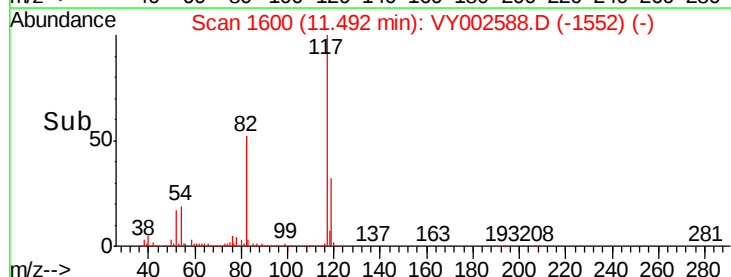
300000

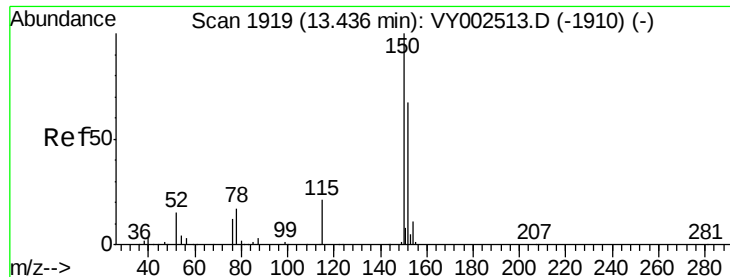
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY002588.D

Acq: 05 May 2020 15:51

Instrument :

MSVOA_Y

ClientSampleId :

VOC

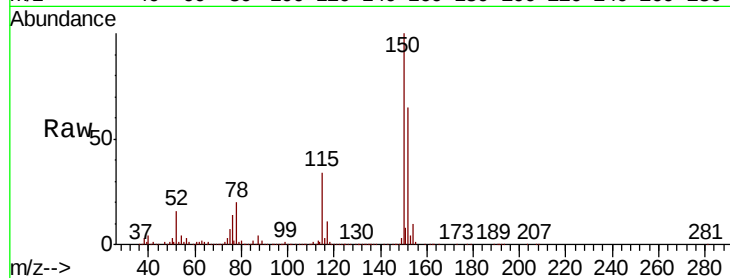
Tot Ion:152 Resp: 255205

Ion Ratio Lower Upper

152 100

115 54.8 27.5 82.4

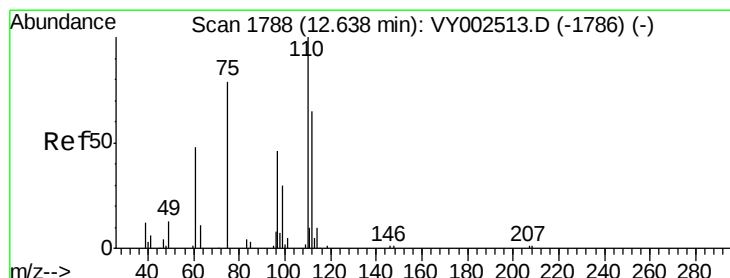
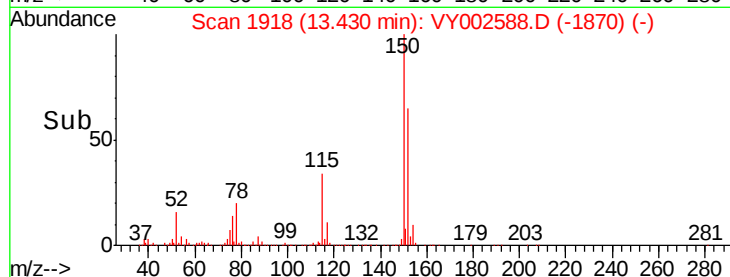
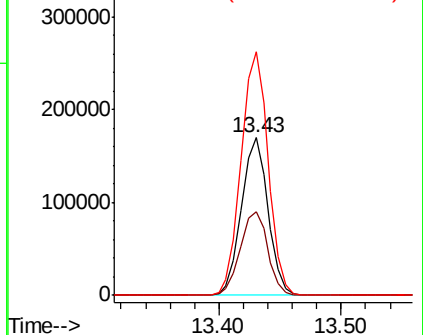
150 156.7 0.0 346.4



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



#76

1,2,3-Trichloropropane

Concen: 47.327 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002588.D

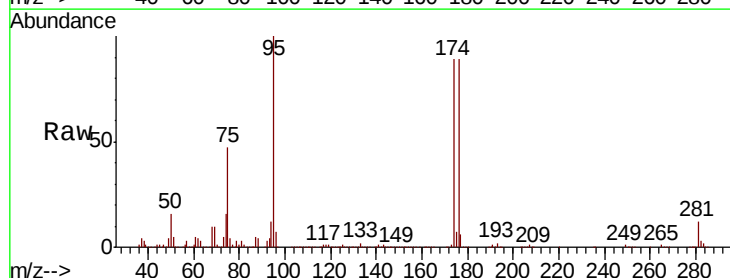
Acq: 05 May 2020 15:51

Tgt Ion: 75 Resp: 107335

Ion Ratio Lower Upper

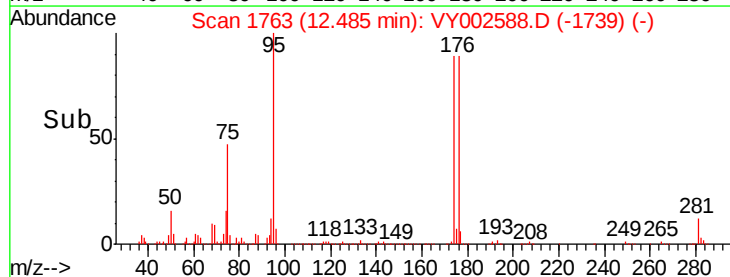
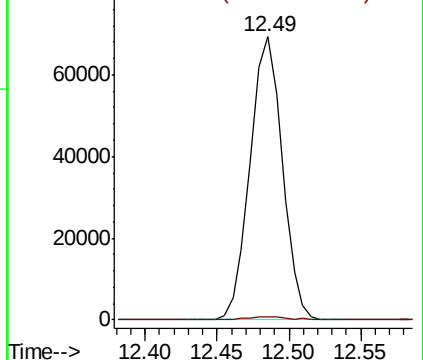
75 100

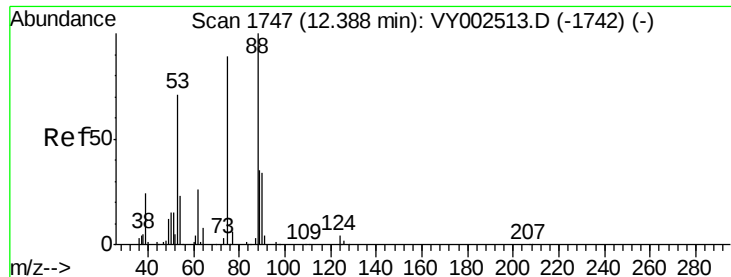
77 1.7 0.0 0.0#



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: 94.901 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002588.D

Acq: 05 May 2020 15:51

Instrument :

MSVOA_Y

ClientSampleId :

VOC

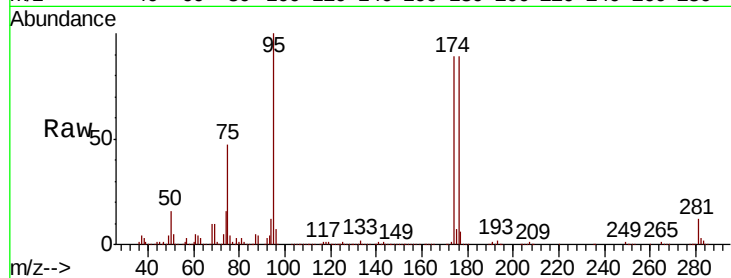
Tot Ion: 75 Resp: 107335

Ion Ratio Lower Upper

75 100

53 0.2 67.4 101.0#

89 0.0 37.4 56.0#



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

