

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002560.D
 Acq On : 04 May 2020 23:44
 Operator : SY/MD
 Sample : L2473-02
 Misc : 5.02G/5ML/MSVOA Y/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 05 07:17:19 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	7.82	168	346321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	568276	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	513884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	251266	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	173117	59.45	ug/l	0.00
Spiked Amount			Recovery	=	118.90%	
35) Dibromofluoromethane	7.75	113	176379	54.27	ug/l	0.01
Spiked Amount			Recovery	=	108.54%	
50) Toluene-d8	10.19	98	666099	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
62) 4-Bromofluorobenzene	12.49	95	220883	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	

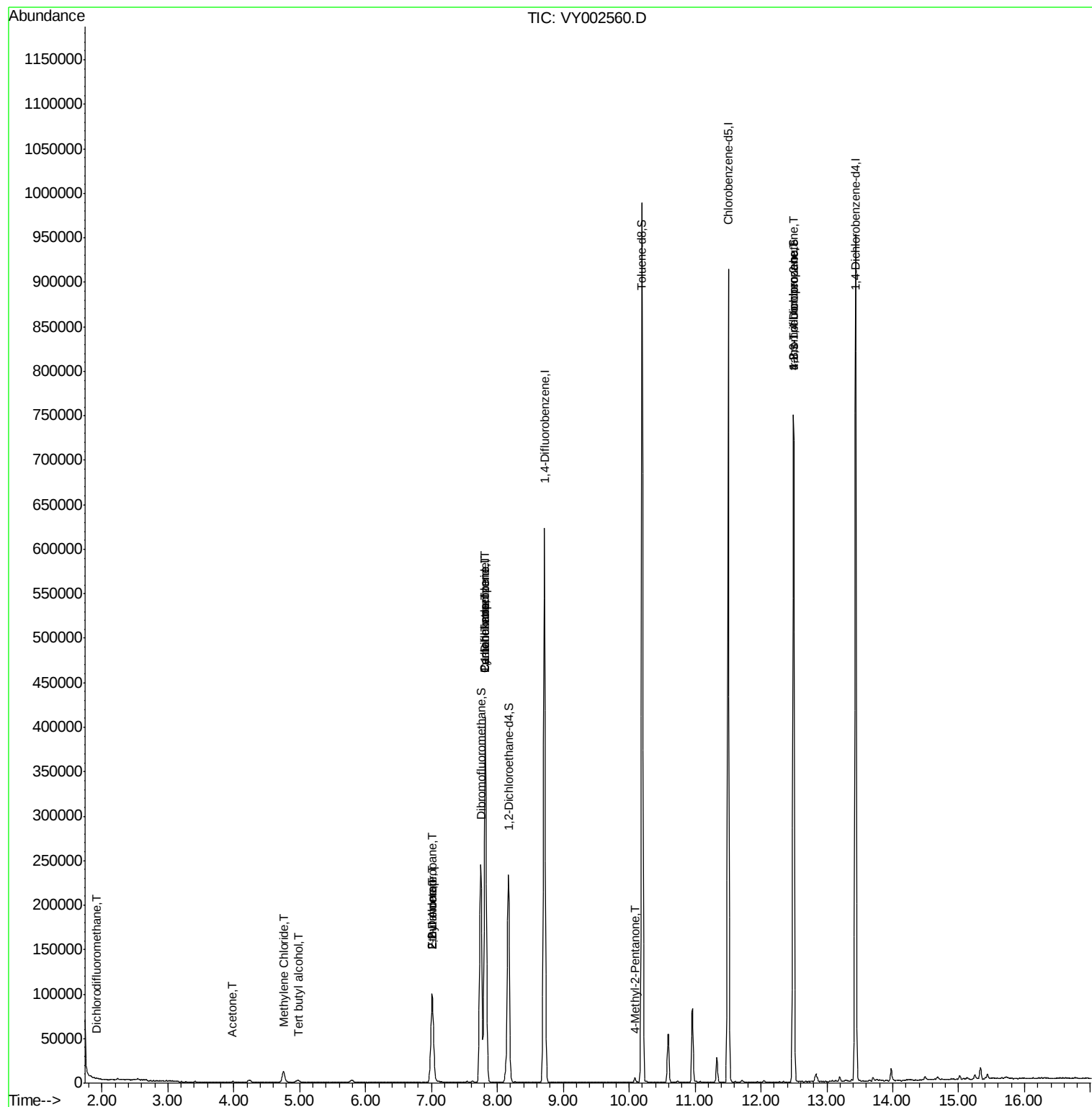
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	348	1.902	ug/l #	43
11) Tert butyl alcohol	4.98	59	3743	12.494	ug/l #	76
16) Acetone	3.98	43	1351	2.248	ug/l	98
20) Methylene Chloride	4.75	84	9334	2.777	ug/l	96
25) 2-Butanone	7.01	43	4684	4.761	ug/l #	76
26) 2,2-Dichloropropane	7.00	77	7209	1.459	ug/l #	52
31) Cyclohexane	7.82	56	5262	1.005	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	22301	4.681	ug/l #	49
37) Ethyl Acetate	7.01	43	4684	1.913	ug/l #	1
38) Carbon Tetrachloride	7.82	117	30733	5.909	ug/l #	16
51) 4-Methyl-2-Pentanone	10.09	43	3619	1.530	ug/l	91
76) 1,2,3-Trichloropropane	12.49	75	106036	47.488	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	106036	95.222	ug/l #	15

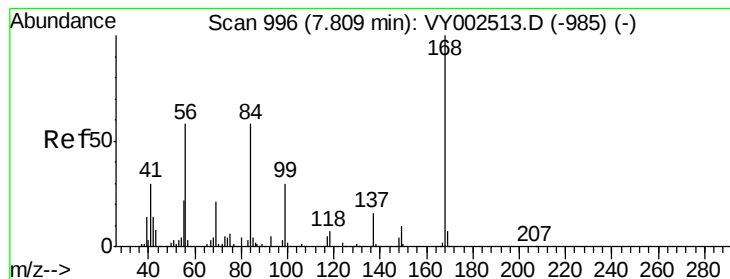
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002560.D

Acq: 04 May 2020 23:44

Instrument :

MSVOA_Y

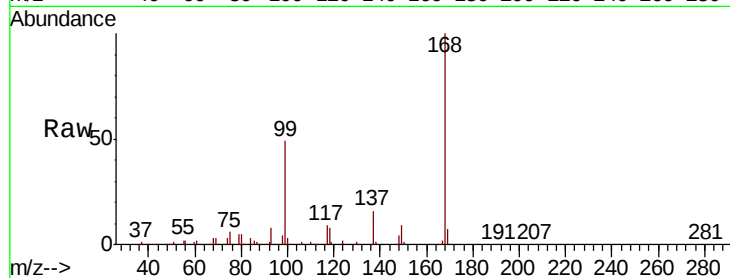
ClientSampleId :

Tot Ion:168 Resp: 346321

Ion Ratio Lower Upper

168 100

99 49.0 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) (-)

7.82

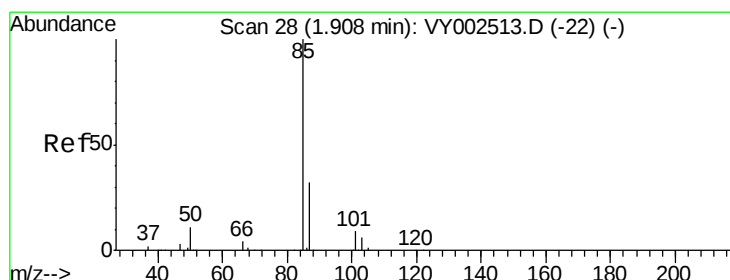
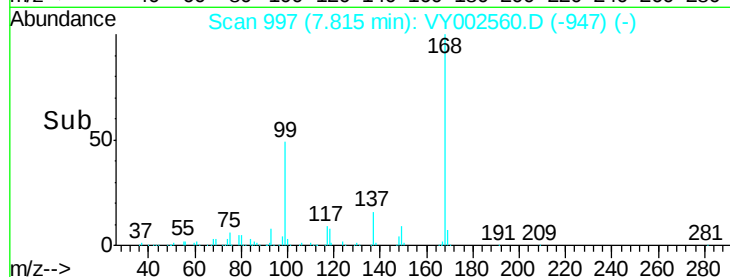
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.902 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY002560.D

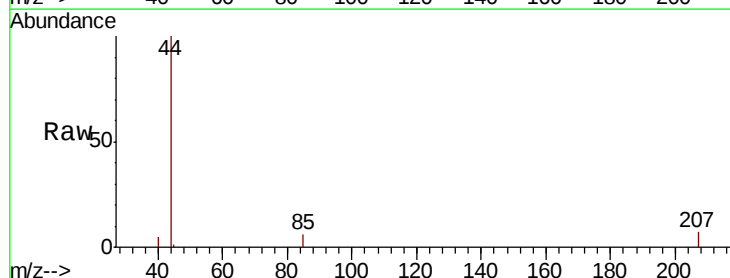
Acq: 04 May 2020 23:44

Tgt Ion: 85 Resp: 348

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) (-)

1.92

300

250

200

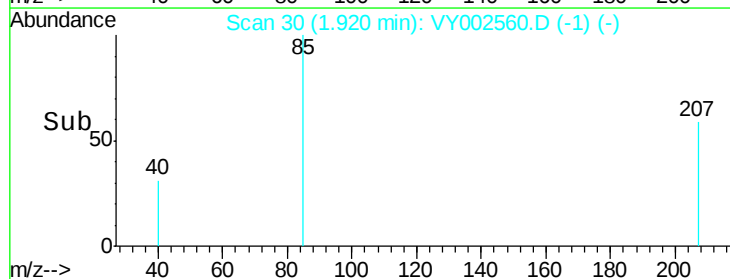
150

100

50

0

Time-->



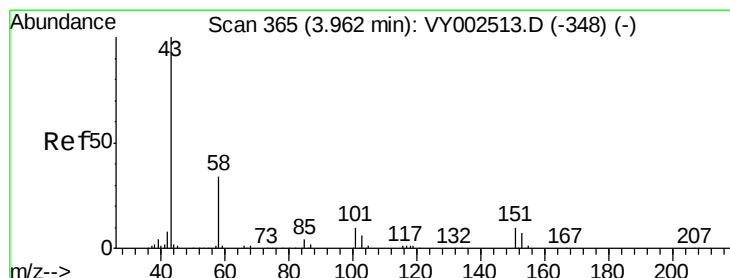
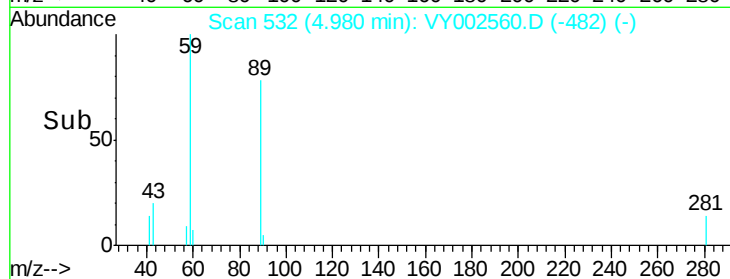
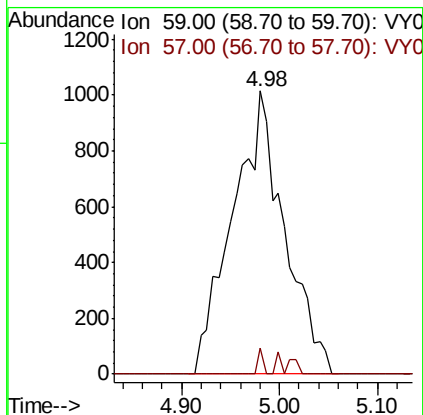
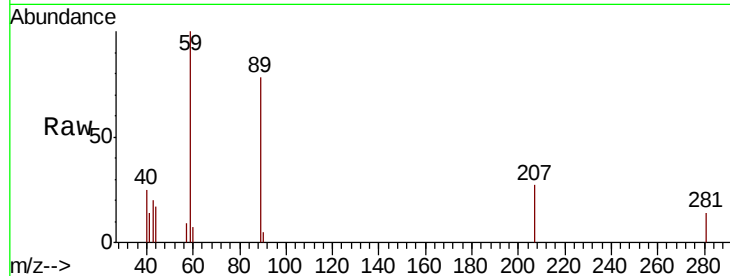


#11

Tert butyl alcohol
 Concen: 12.494 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VY002560.D
 Acq: 04 May 2020 23:44

Instrument :
 MSVOA_Y
 ClientSampleId :

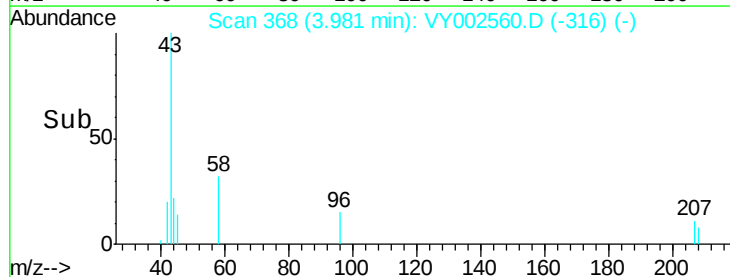
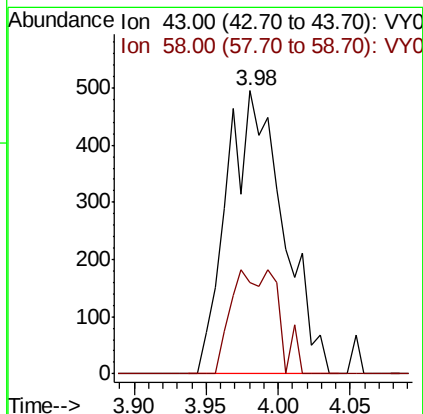
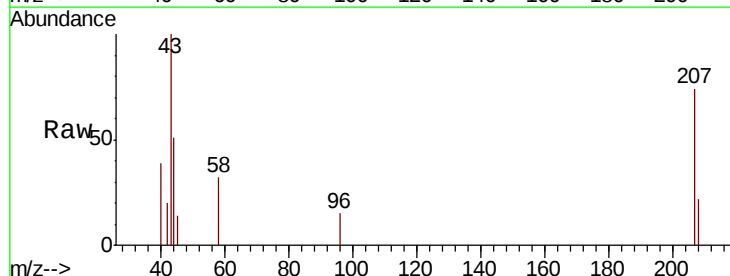
Tot Ion: 59 Resp: 3743
 Ion Ratio Lower Upper
 59 100
 57 0.9 7.8 11.6#

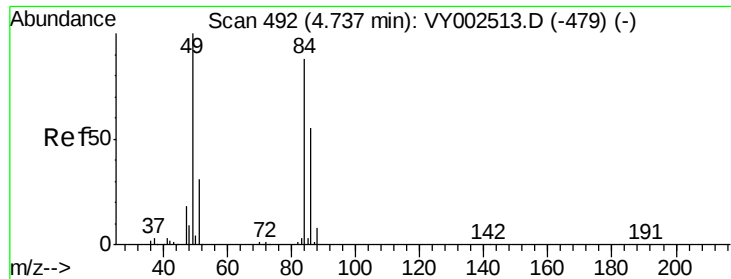


#16

Acetone
 Concen: 2.248 ug/l
 RT: 3.98 min Scan# 368
 Delta R.T. 0.02 min
 Lab File: VY002560.D
 Acq: 04 May 2020 23:44

Tgt Ion: 43 Resp: 1351
 Ion Ratio Lower Upper
 43 100
 58 32.3 26.9 40.3

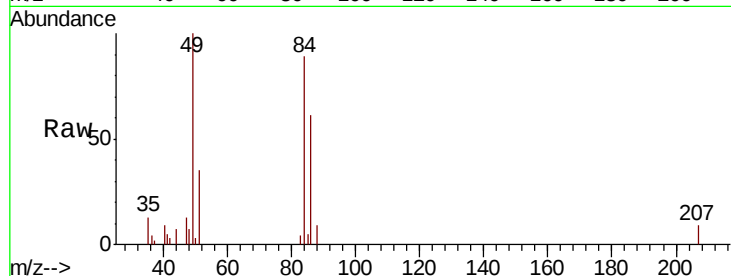




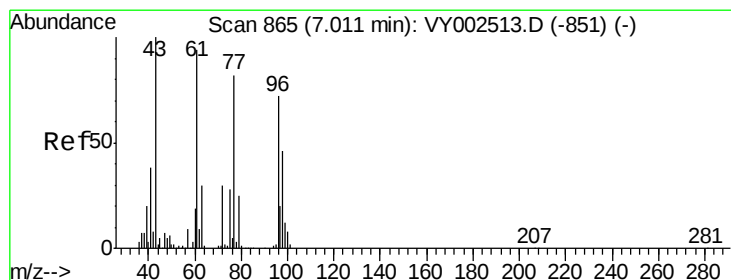
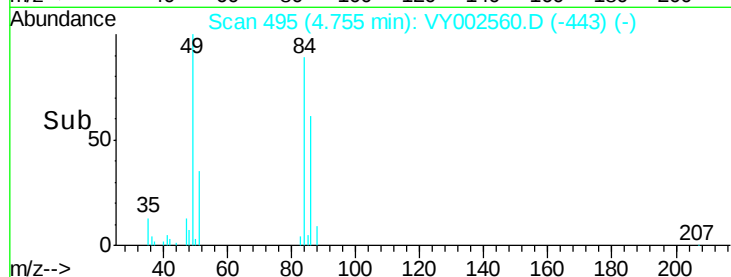
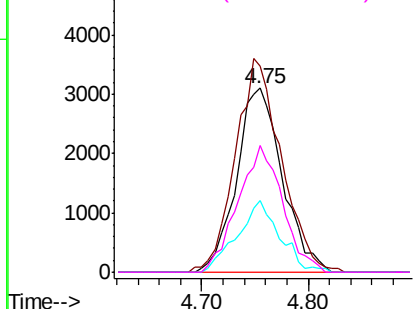
#20
Methvlene Chloride
Concen: 2.777 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.02 min
Lab File: VY002560.D
Acq: 04 May 2020 23:44

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 9334
Ion Ratio Lower Upper
84 100
49 112.4 90.5 135.7
51 39.3 28.3 42.5
86 69.1 49.9 74.9

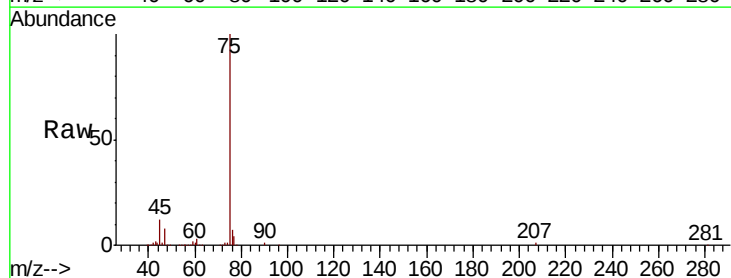


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

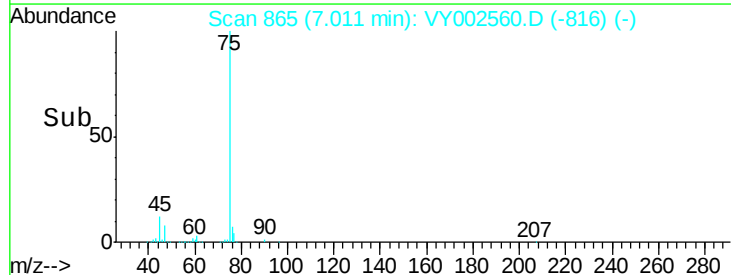
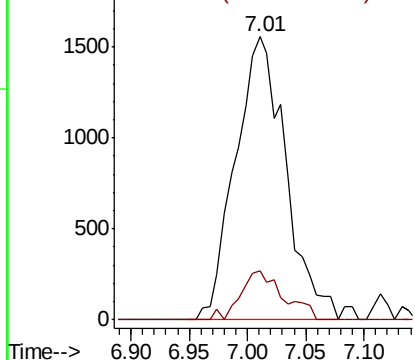


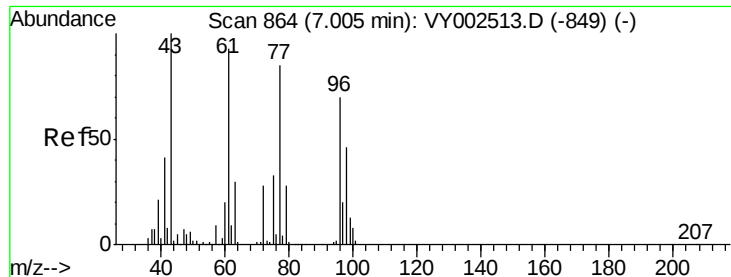
#25
2-Butanone
Concen: 4.761 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.00 min
Lab File: VY002560.D
Acq: 04 May 2020 23:44

Tgt Ion: 43 Resp: 4684
Ion Ratio Lower Upper
43 100
72 17.3 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: 1.459 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY002560.D

Acq: 04 May 2020 23:44

Instrument :

MSVOA_Y

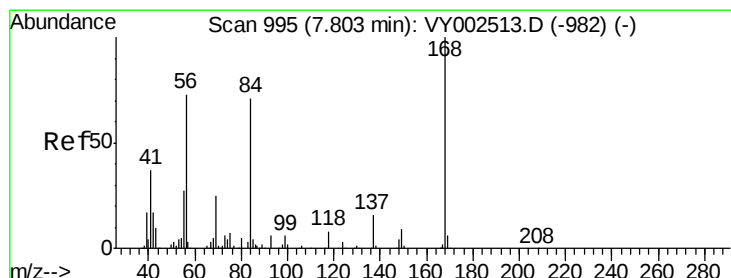
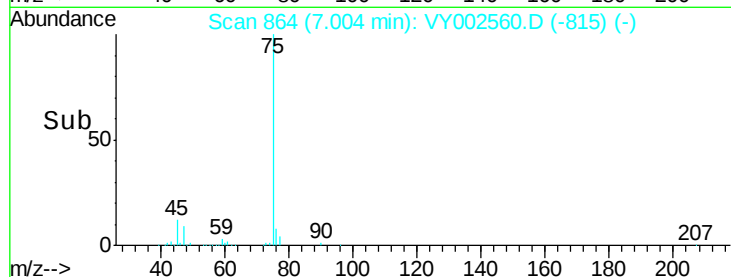
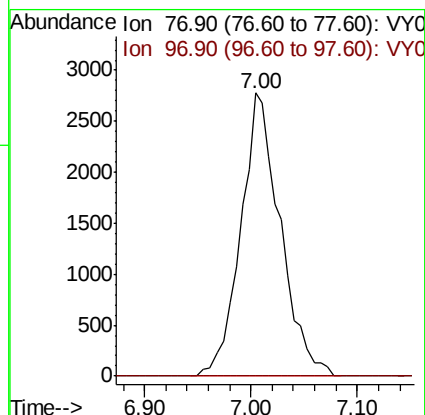
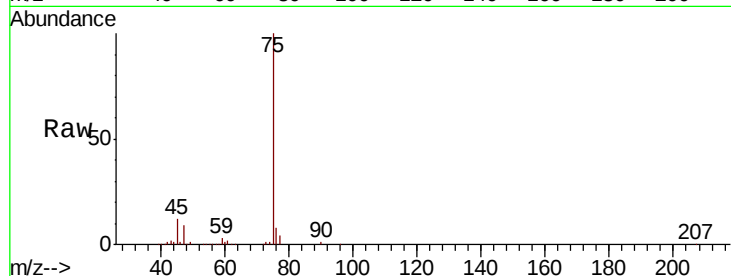
ClientSampleId :

Tot Ion: 77 Resp: 7209

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.5#



#31

Cyclohexane

Concen: 1.005 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002560.D

Acq: 04 May 2020 23:44

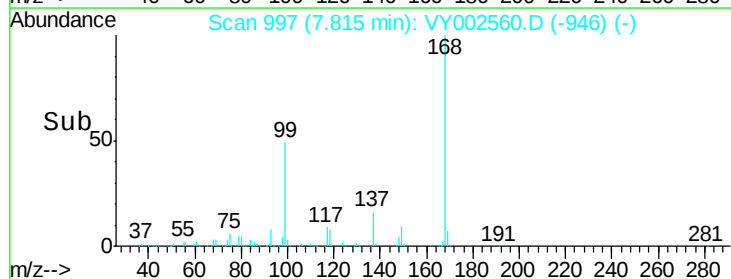
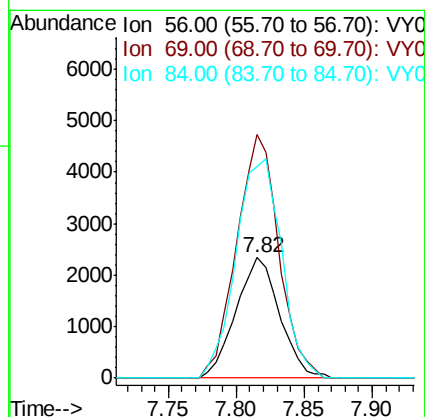
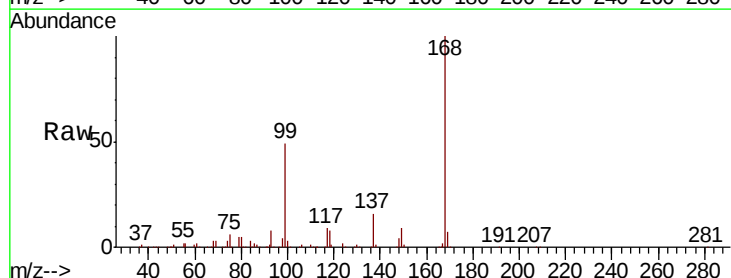
Tgt Ion: 56 Resp: 5262

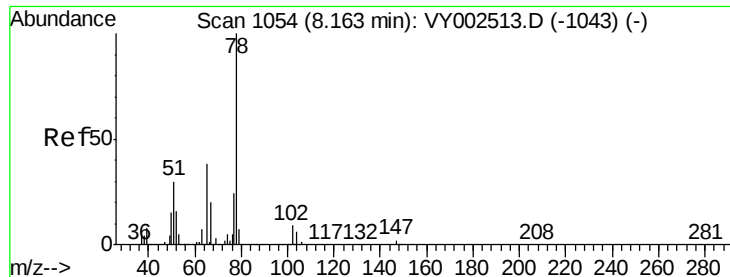
Ion Ratio Lower Upper

56 100

69 202.2 27.6 41.4#

84 187.1 77.7 116.5#

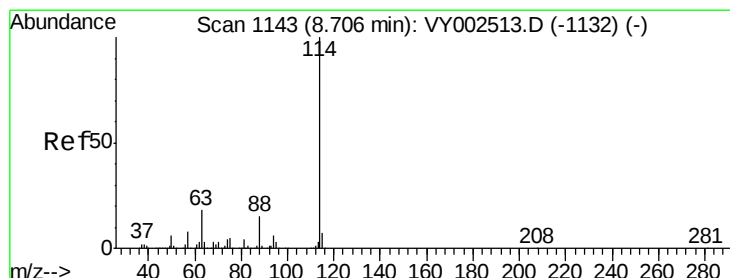
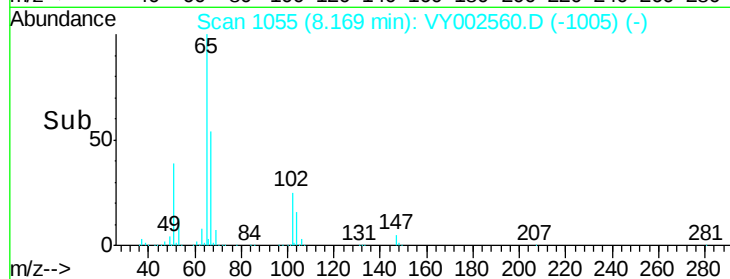
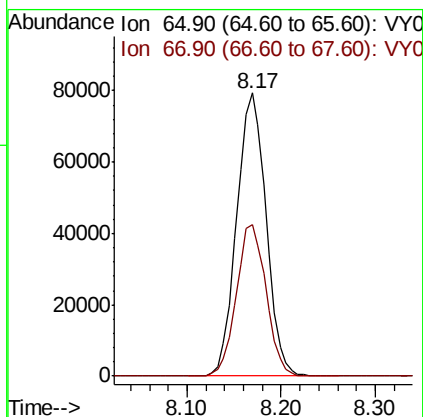
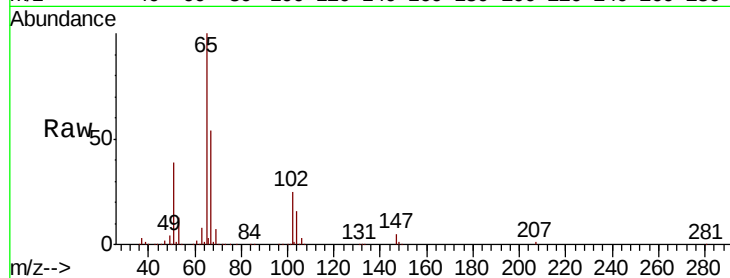




#33
 1,2-Dichloroethane-d4
 Concen: 59.451 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY002560.D
 Acq: 04 May 2020 23:44

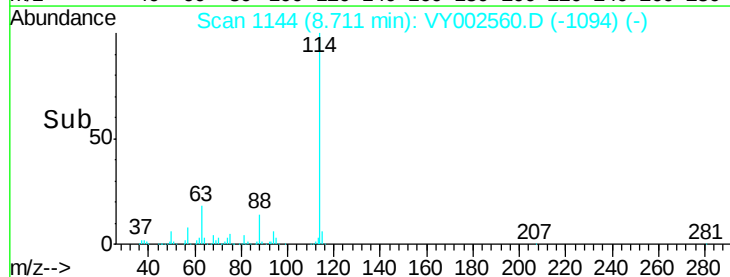
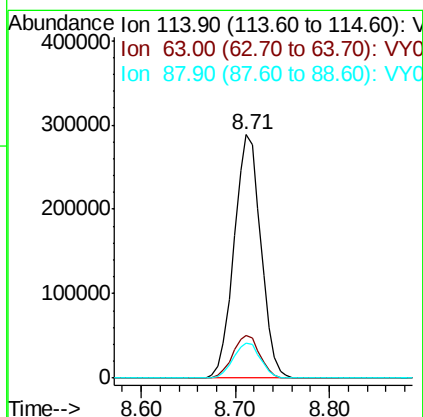
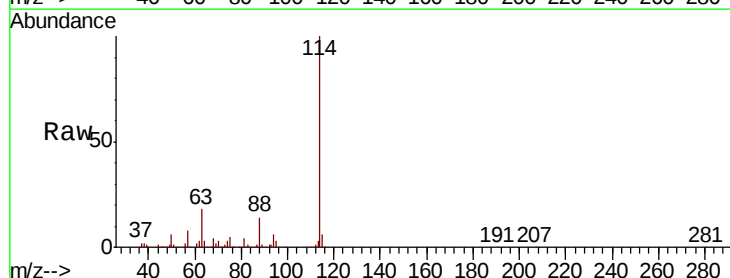
Instrument :
 MSVOA_Y
 ClientSampleId :

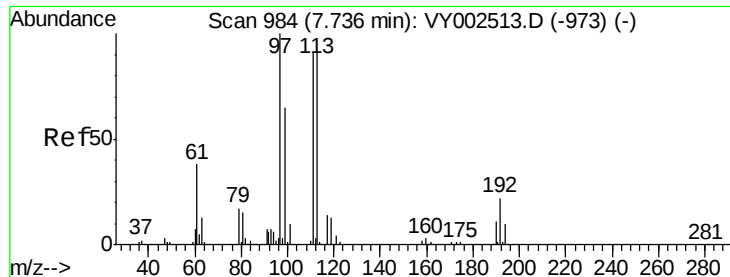
Tot Ion: 65 Resp: 173117
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002560.D
 Acq: 04 May 2020 23:44

Tgt Ion: 114 Resp: 568276
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.4
 88 14.2 0.0 29.6

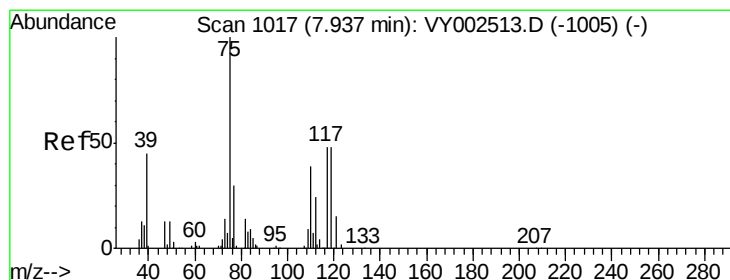
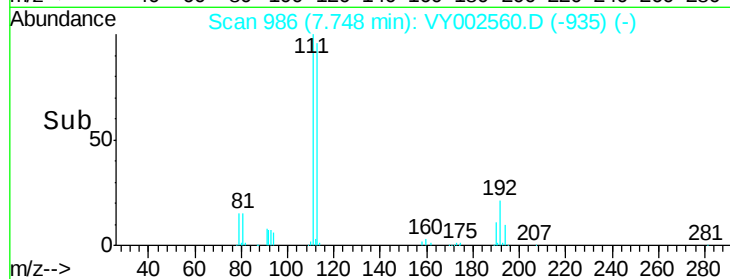
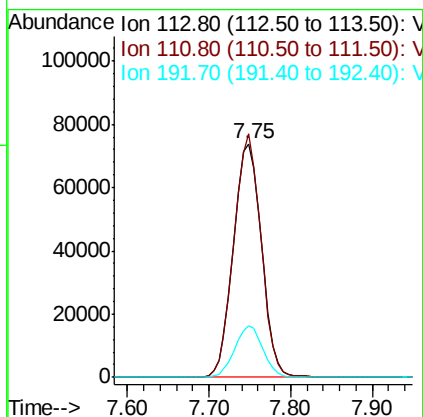
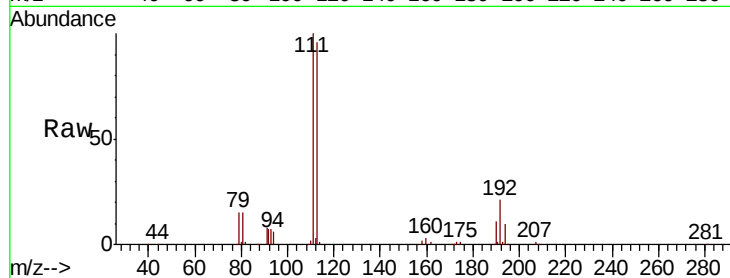




#35
 Dibromofluoromethane
 Concen: 54.271 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY002560.D
 Acq: 04 May 2020 23:44

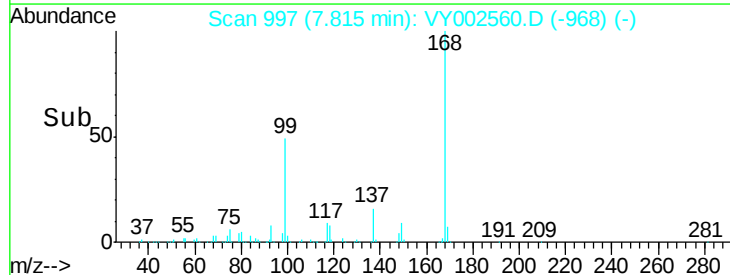
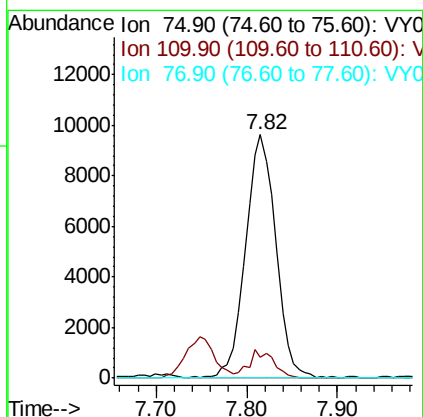
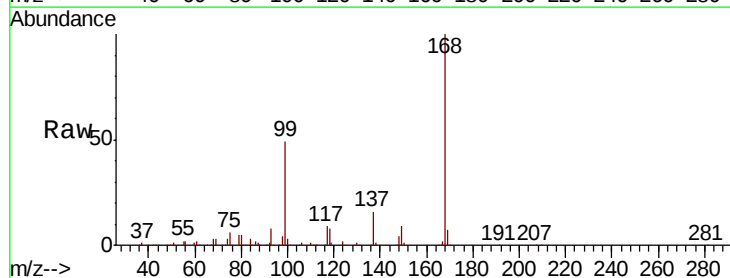
Instrument :
 MSVOA_Y
 ClientSampled :

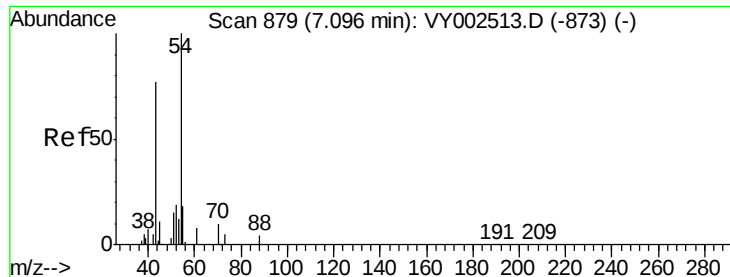
Tot Ion:113 Resp: 176379
 Ion Ratio Lower Upper
 113 100
 111 100.4 81.8 122.6
 192 22.0 18.2 27.4



#36
 1,1-Dichloropropene
 Concen: 4.681 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY002560.D
 Acq: 04 May 2020 23:44

Tgt Ion: 75 Resp: 22301
 Ion Ratio Lower Upper
 75 100
 110 9.6 19.1 57.3#
 77 0.0 24.6 37.0#

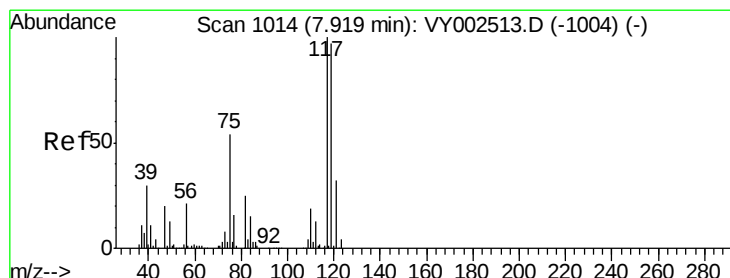
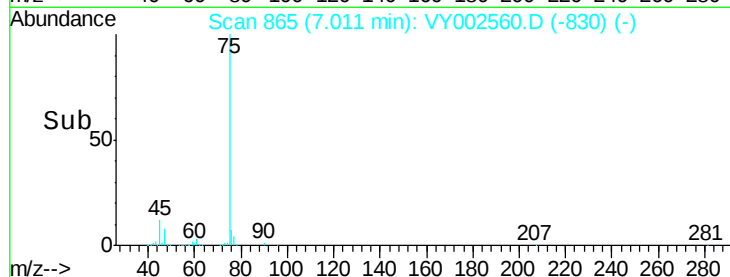
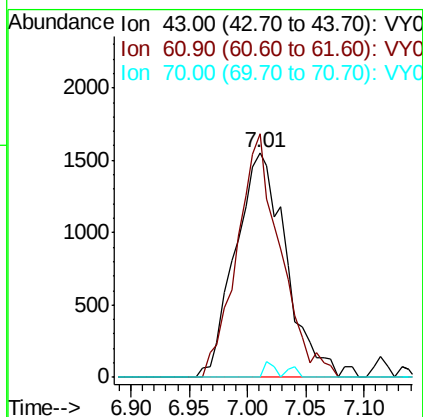
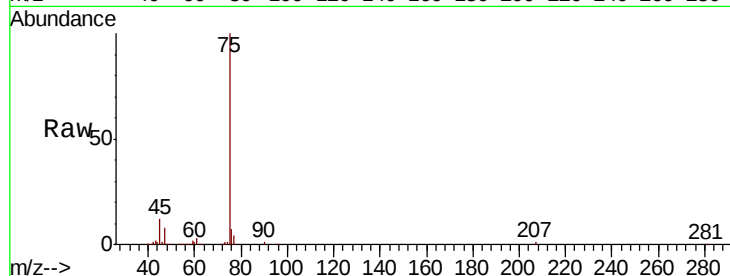




#37
Ethyl Acetate
Concen: 1.913 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.09 min
Lab File: VY002560.D
Acq: 04 May 2020 23:44

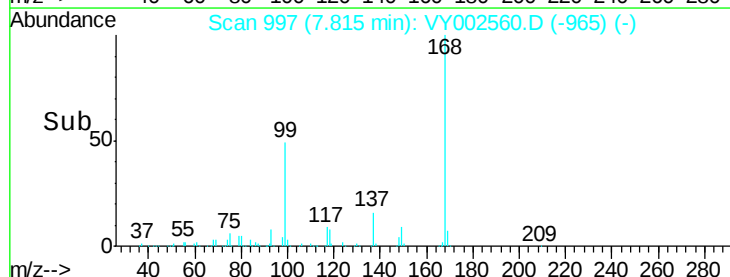
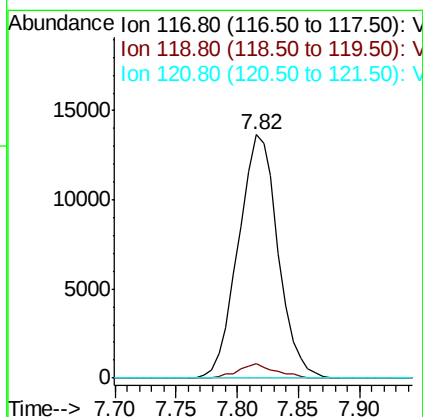
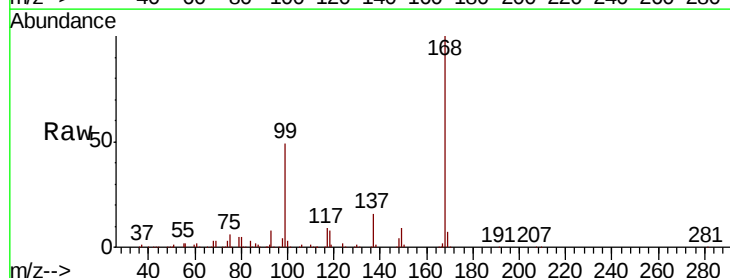
Instrument :
MSVOA_Y
ClientSampleId :

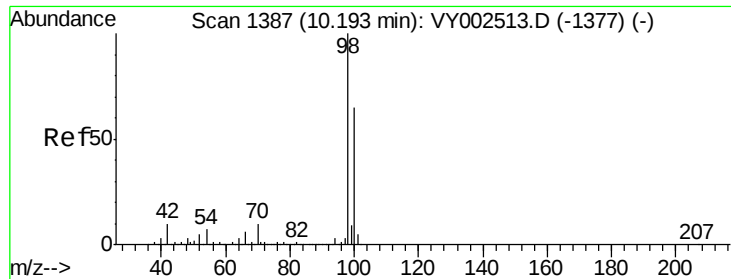
Tot Ion: 43 Resp: 4684
Ion Ratio Lower Upper
43 100
61 93.3 11.6 17.4#
70 1.4 9.0 13.6#



#38
Carbon Tetrachloride
Concen: 5.909 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.10 min
Lab File: VY002560.D
Acq: 04 May 2020 23:44

Tgt Ion: 117 Resp: 30733
Ion Ratio Lower Upper
117 100
119 5.8 77.1 115.7#
121 0.0 25.2 37.8#





#50

Toluene-d8

Concen: 52.483 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VY002560.D

Acq: 04 May 2020 23:44

Instrument :

MSVOA_Y

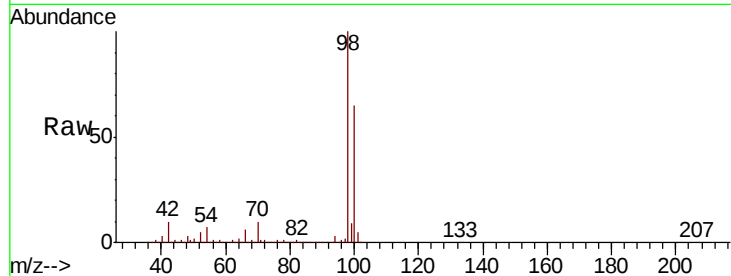
ClientSampleId :

Tot Ion: 98 Resp: 666099

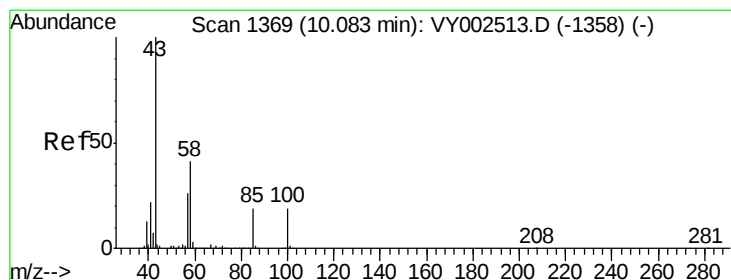
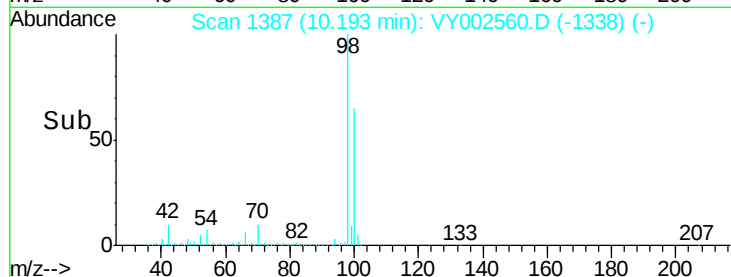
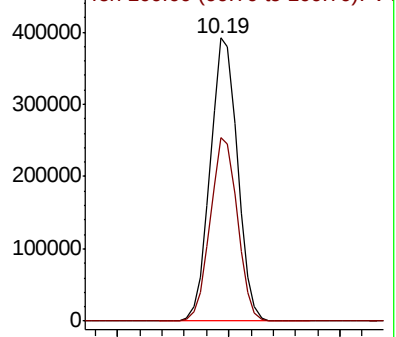
Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY002513.D (-1377) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.530 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY002560.D

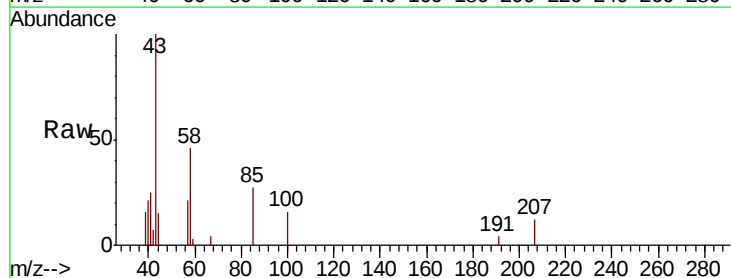
Acq: 04 May 2020 23:44

Tgt Ion: 43 Resp: 3619

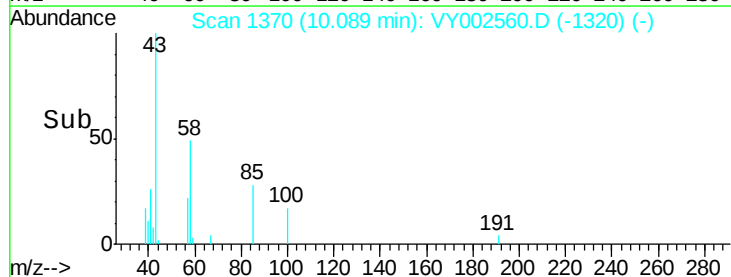
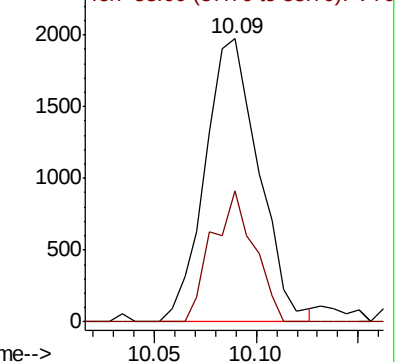
Ion Ratio Lower Upper

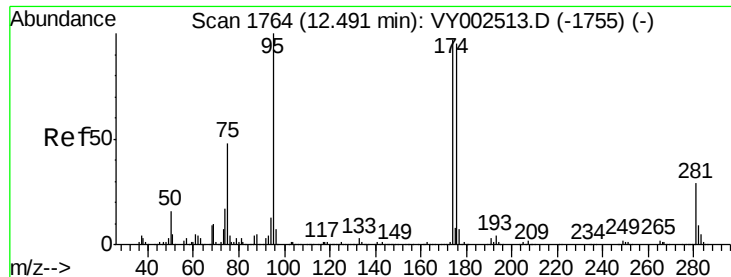
43 100

58 36.1 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-1358) (-)





#62

4-Bromofluorobenzene

Concen: 51.289 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY002560.D

Acq: 04 May 2020 23:44

Instrument :

MSVOA_Y

ClientSampleId :

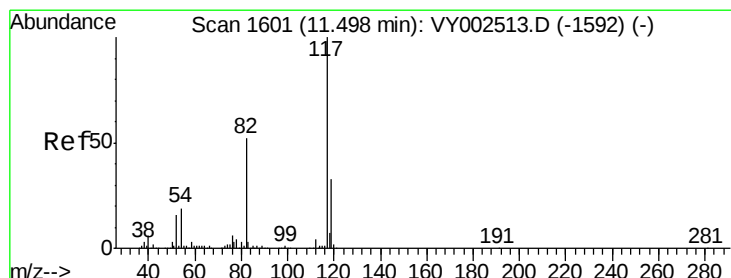
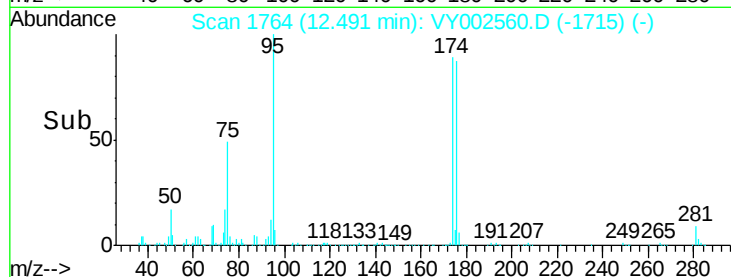
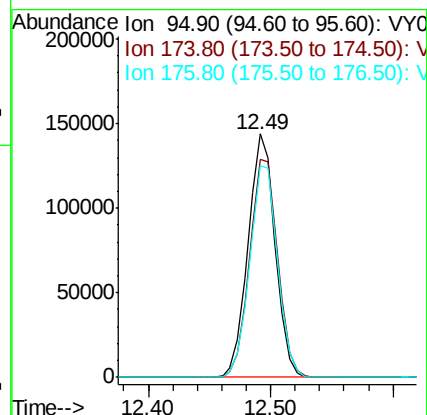
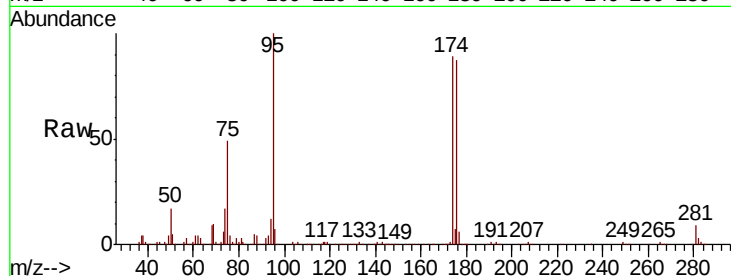
Tot Ion: 95 Resp: 220883

Ion Ratio Lower Upper

95 100

174 93.4 0.0 188.8

176 89.7 0.0 183.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VY002560.D

Acq: 04 May 2020 23:44

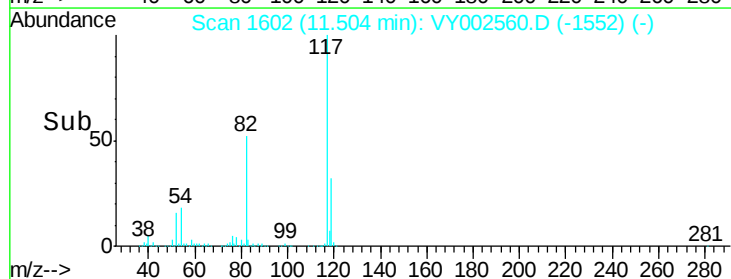
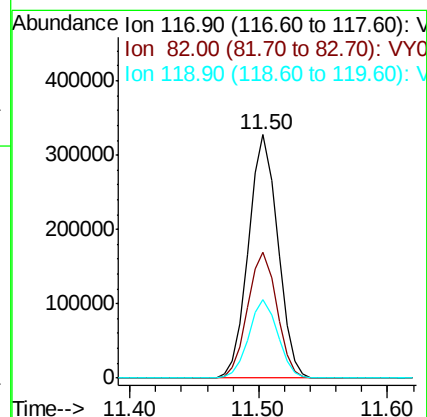
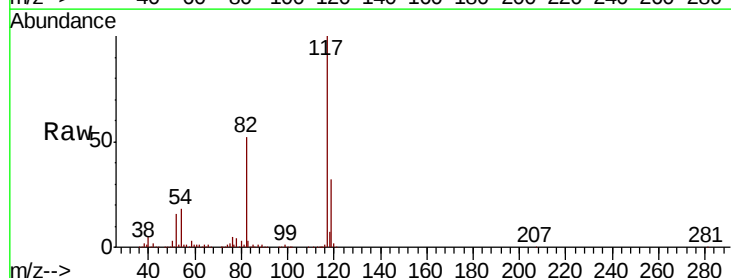
Tgt Ion: 117 Resp: 513884

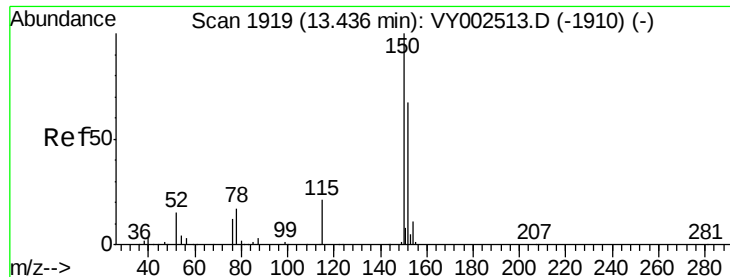
Ion Ratio Lower Upper

117 100

82 51.5 41.3 61.9

119 32.3 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY002560.D

Acq: 04 May 2020 23:44

Instrument :

MSVOA_Y

ClientSampleId :

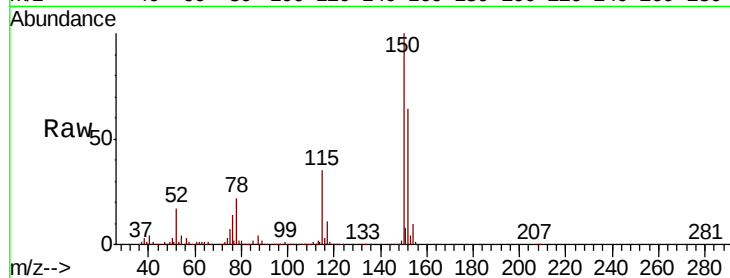
Tot Ion:152 Resp: 251266

Ion Ratio Lower Upper

152 100

115 55.5 27.5 82.4

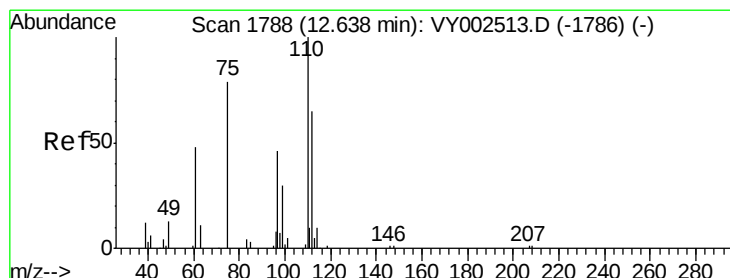
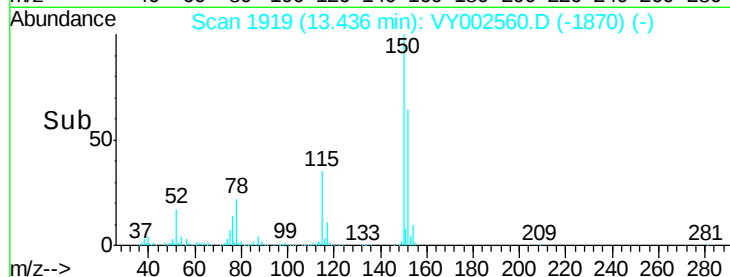
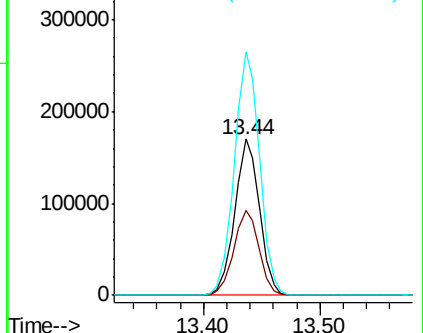
150 158.9 0.0 346.4



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: 47.488 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002560.D

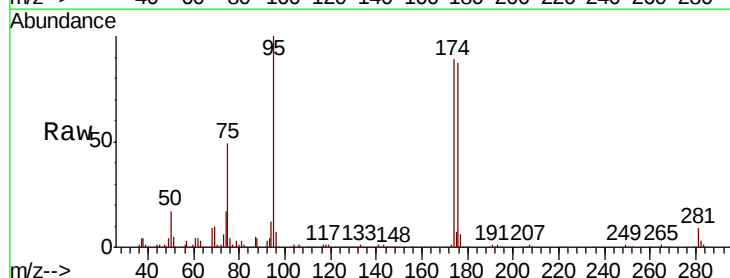
Acq: 04 May 2020 23:44

Tgt Ion: 75 Resp: 106036

Ion Ratio Lower Upper

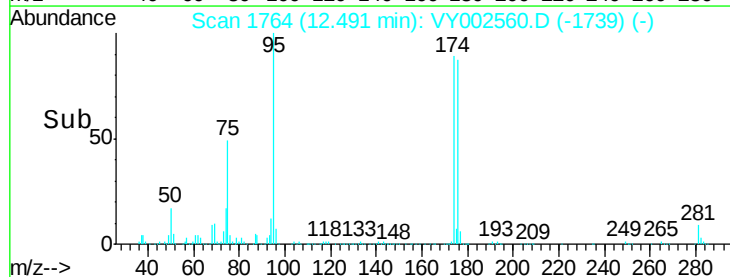
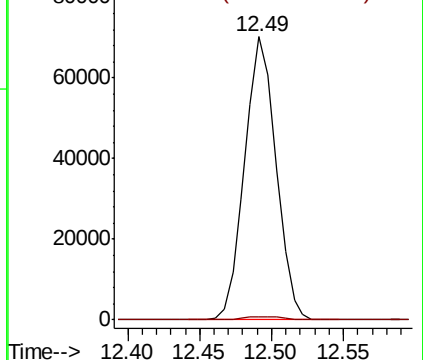
75 100

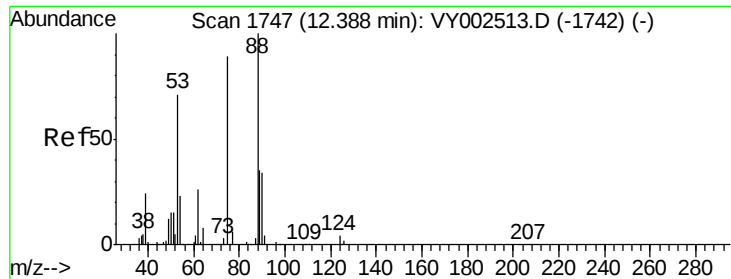
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 95.222 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002560.D

Acq: 04 May 2020 23:44

Instrument :

MSVOA_Y

ClientSampleId :

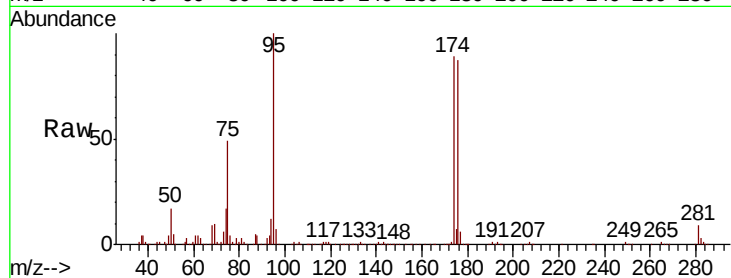
Tot Ion: 75 Resp: 106036

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.2 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

