

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051320\
 Data File : VY002687.D
 Acq On : 13 May 2020 16:09
 Operator : SY/MD
 Sample : L2638-03
 Misc : 4.63G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 14 02:57:32 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	304265	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	478937	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	420269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	200469	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	131538	51.42	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.84%	
35) Dibromofluoromethane	7.72	113	142229	51.93	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.86%	
50) Toluene-d8	10.18	98	559192	52.28	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.56%	
62) 4-Bromofluorobenzene	12.48	95	174788	48.16	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	96.32%	

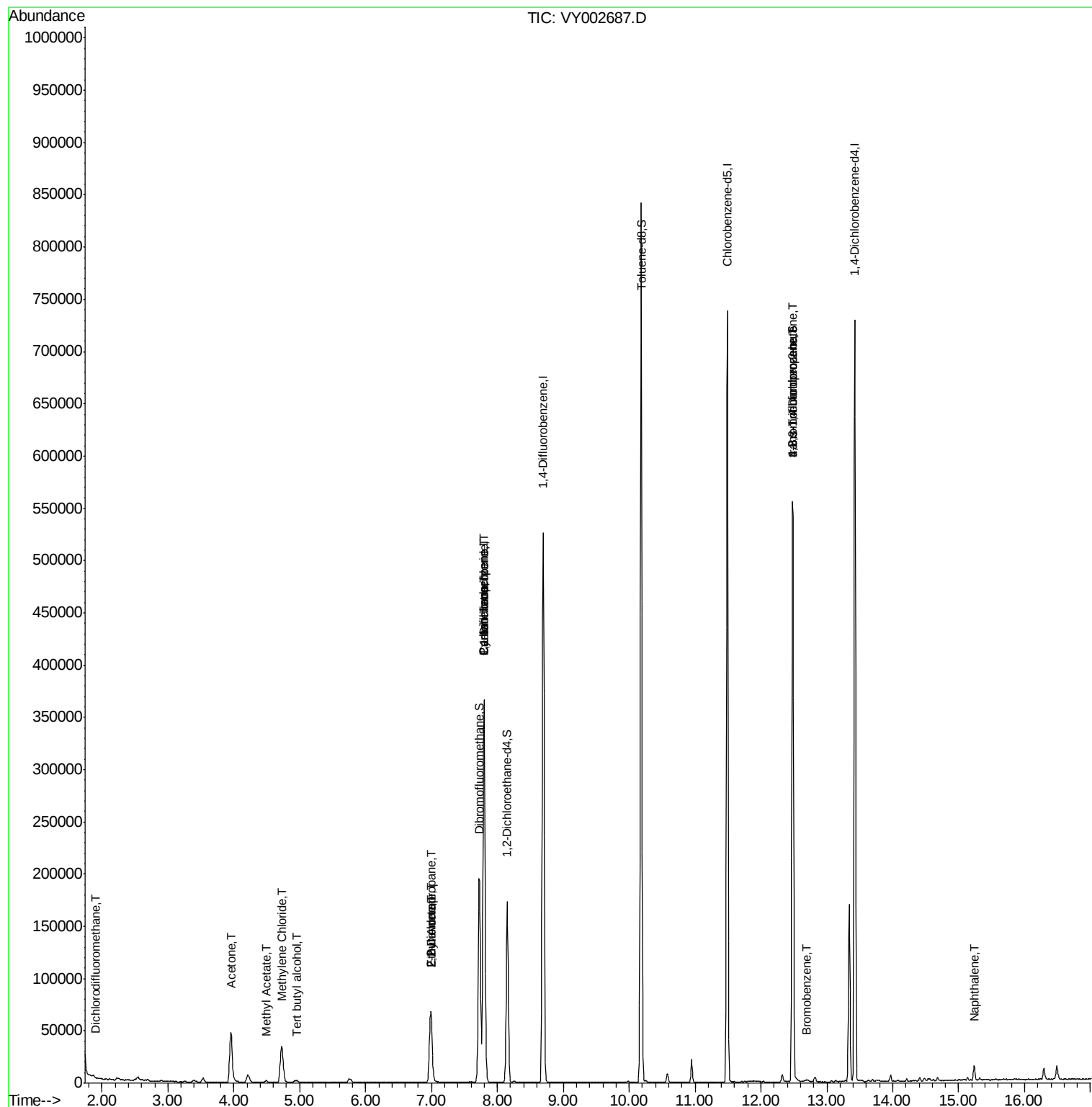
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	82	1.816	ug/l #	43
11) Tert butyl alcohol	4.96	59	1793	6.812	ug/l #	83
16) Acetone	3.96	43	81641	154.629	ug/l	94
18) Methyl Acetate	4.50	43	2984	1.692	ug/l	95
20) Methylene Chloride	4.73	84	29886	10.122	ug/l	98
25) 2-Butanone	6.99	43	3989	4.615	ug/l #	73
26) 2,2-Dichloropropane	6.99	77	5052	1.163	ug/l #	52
31) Cyclohexane	7.80	56	4600	1.000	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	18673	4.651	ug/l #	47
37) Ethyl Acetate	6.99	43	3989	1.933	ug/l #	15
38) Carbon Tetrachloride	7.80	117	27499	6.273	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	84852	47.629	ug/l #	100
77) Bromobenzene	12.69	156	3291	1.014	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	84852	95.506	ug/l #	15
95) Naphthalene	15.23	128	10998	1.515	ug/l	97

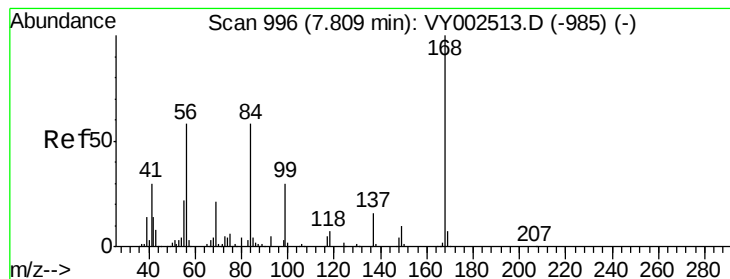
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002687.D

Acq: 13 May 2020 16:09

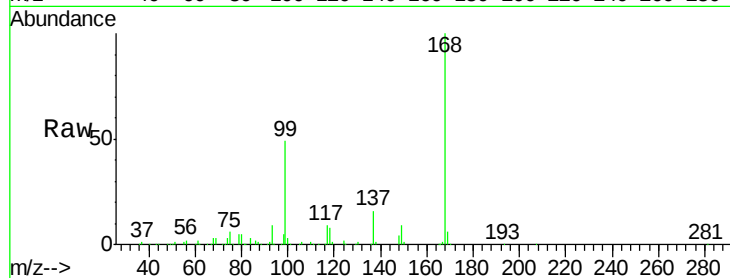
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 304265

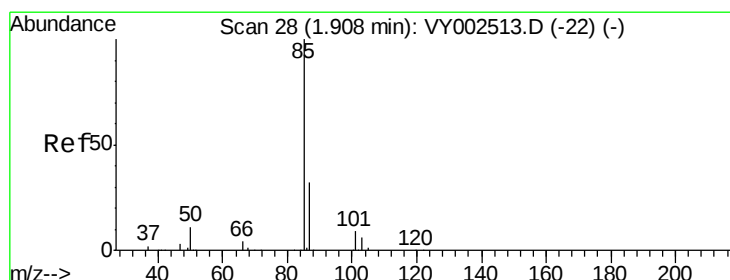
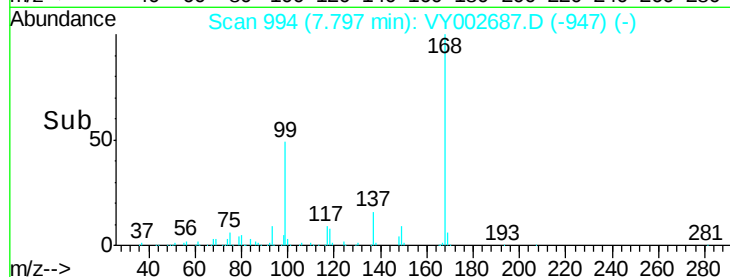
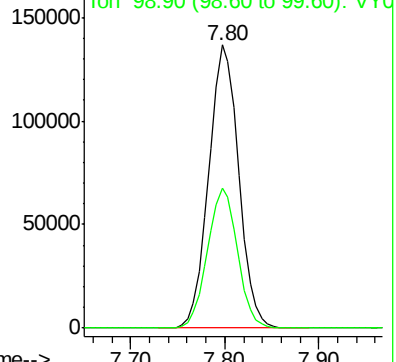
Ion Ratio Lower Upper

168 100

99 49.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002687.D (-947) (-)



#2

Dichlorodifluoromethane

Concen: 1.816 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002687.D

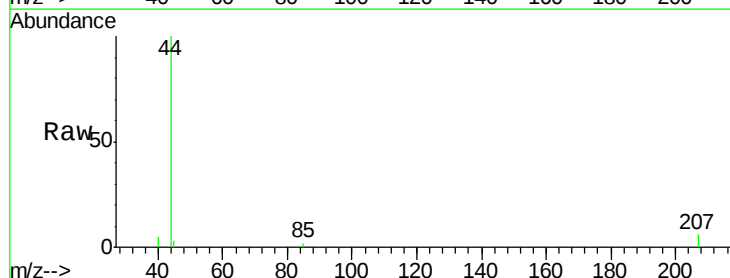
Acq: 13 May 2020 16:09

Tgt Ion: 85 Resp: 82

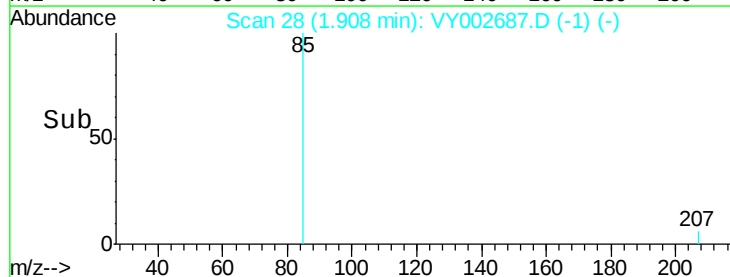
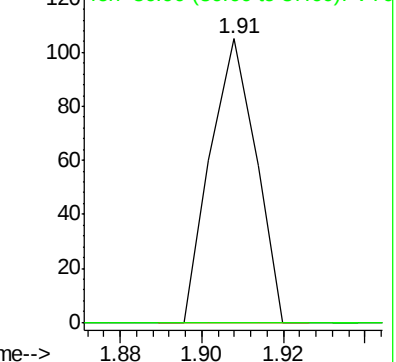
Ion Ratio Lower Upper

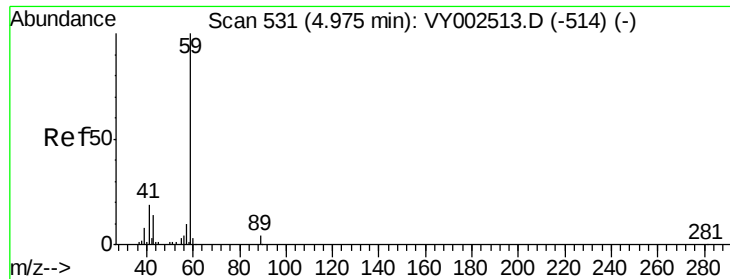
85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002687.D (-1) (-)

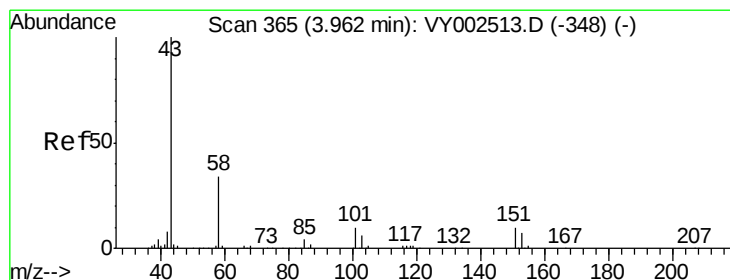
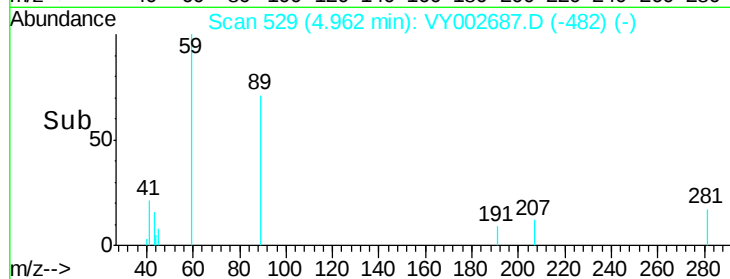
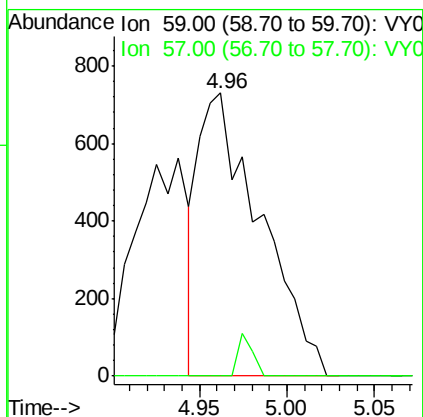
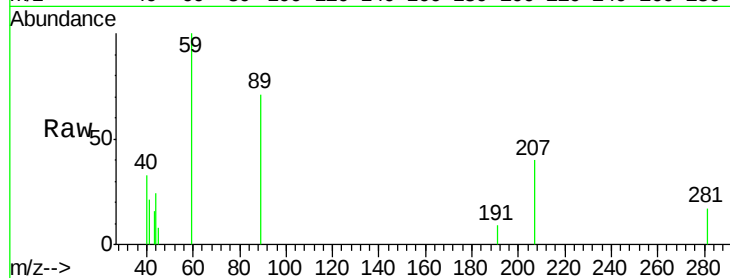




#11
Tert butyl alcohol
Concen: 6.812 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY002687.D
Acq: 13 May 2020 16:09

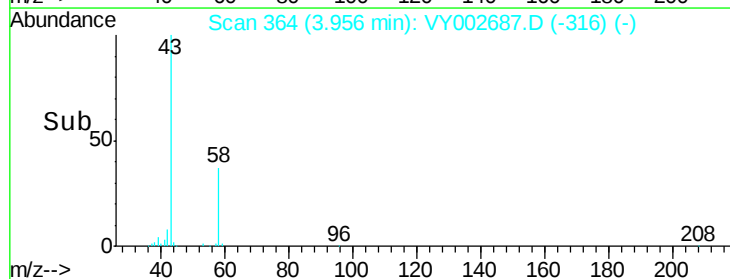
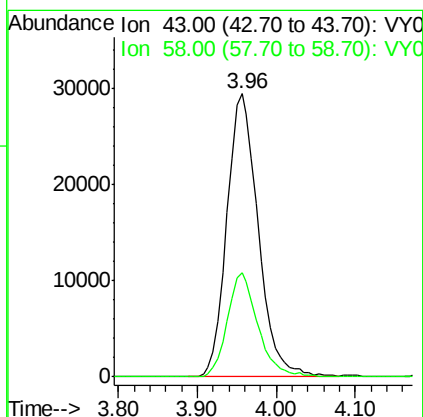
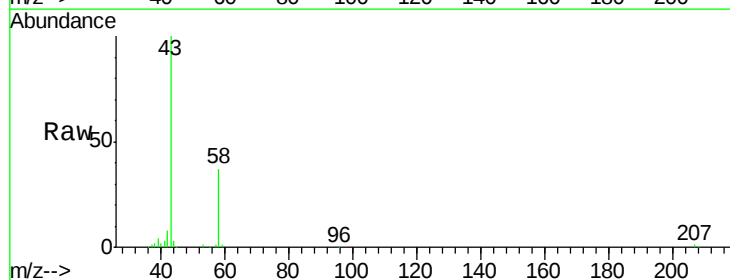
Instrument :
MSVOA_Y
ClientSampleId :

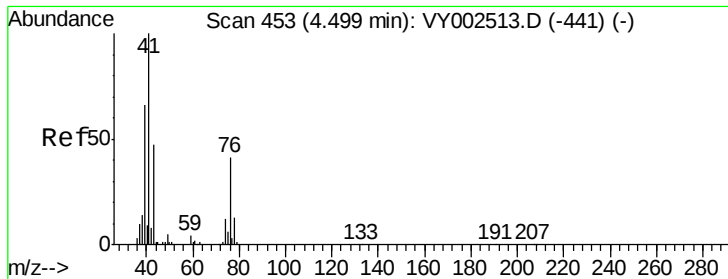
Tot Ion: 59 Resp: 1793
Ion Ratio Lower Upper
59 100
57 3.6 7.8 11.6#



#16
Acetone
Concen: 154.629 ug/l
RT: 3.96 min Scan# 364
Delta R.T. -0.01 min
Lab File: VY002687.D
Acq: 13 May 2020 16:09

Tgt Ion: 43 Resp: 81641
Ion Ratio Lower Upper
43 100
58 37.0 26.9 40.3

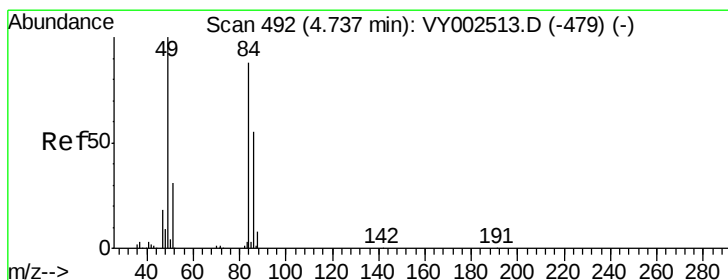
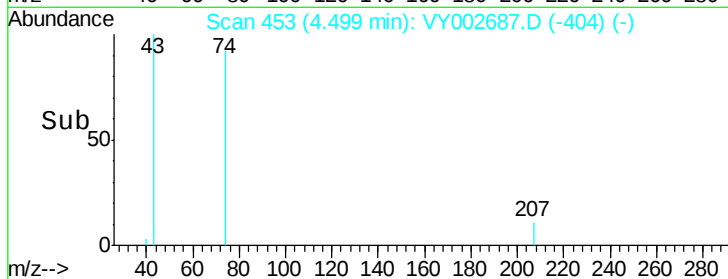
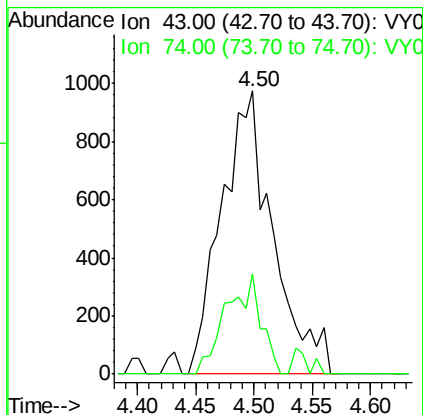
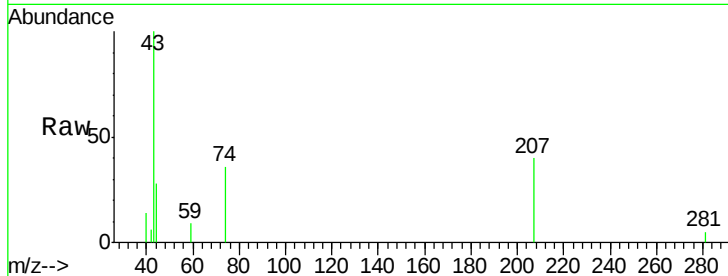




#18
Methvl Acetate
Concen: 1.692 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.00 min
Lab File: VY002687.D
Acq: 13 May 2020 16:09

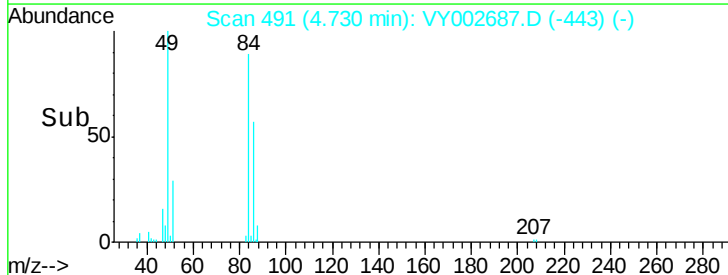
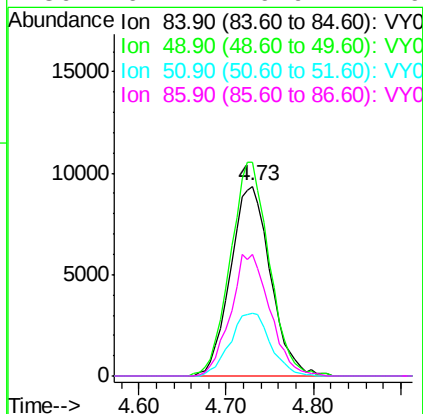
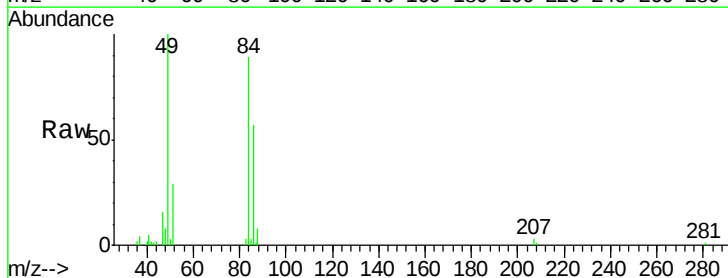
Instrument :
MSVOA_Y
ClientSampled :

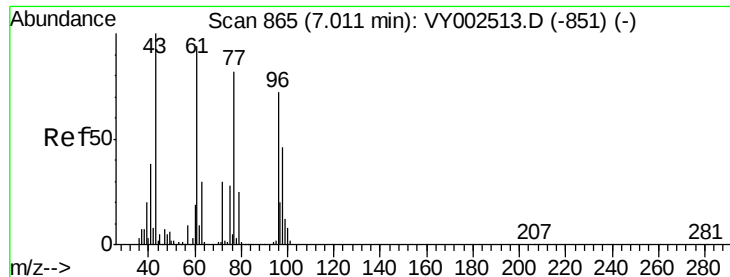
Tot Ion: 43 Resp: 2984
Ion Ratio Lower Upper
43 100
74 23.9 21.2 31.8



#20
Methylene Chloride
Concen: 10.122 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002687.D
Acq: 13 May 2020 16:09

Tgt Ion: 84 Resp: 29886
Ion Ratio Lower Upper
84 100
49 112.7 90.5 135.7
51 33.1 28.3 42.5
86 64.1 49.9 74.9

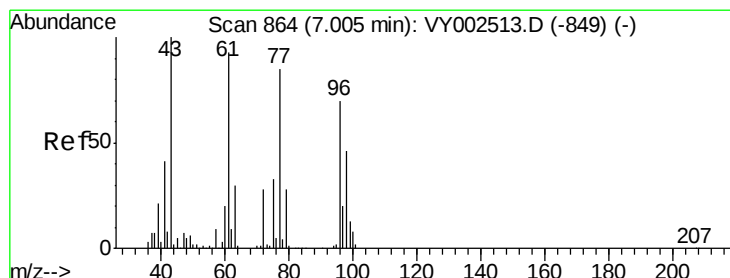
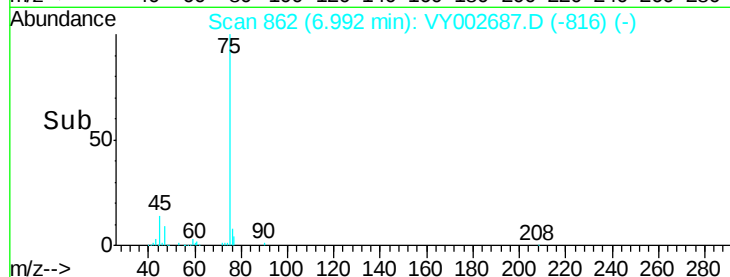
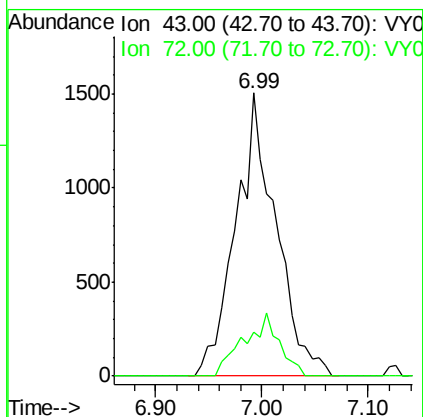
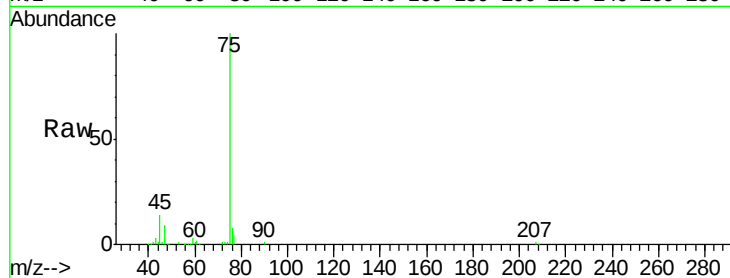




#25
2-Butanone
Concen: 4.615 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.02 min
Lab File: VY002687.D
Acq: 13 May 2020 16:09

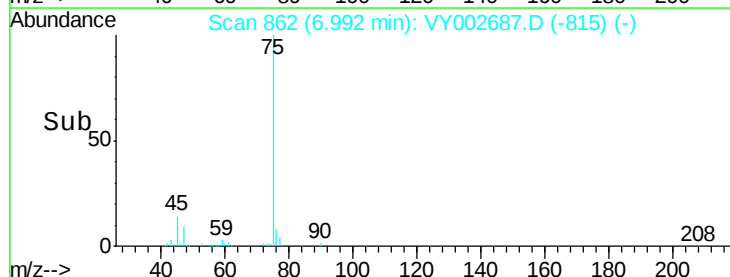
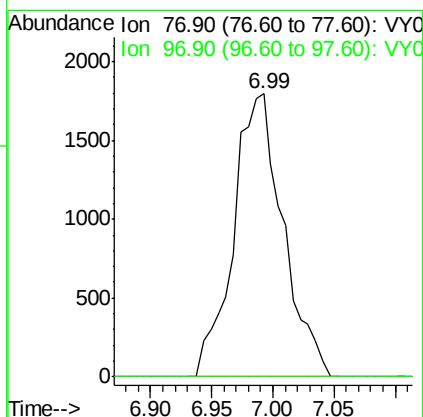
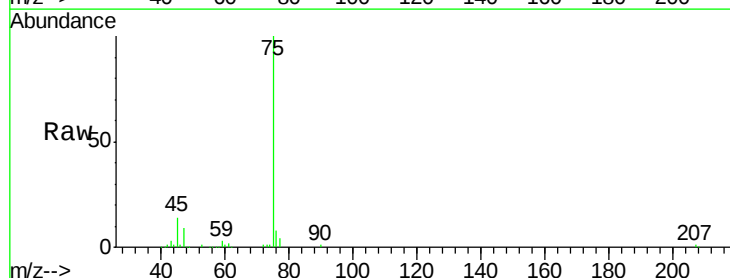
Instrument :
MSVOA_Y
ClientSampleId :

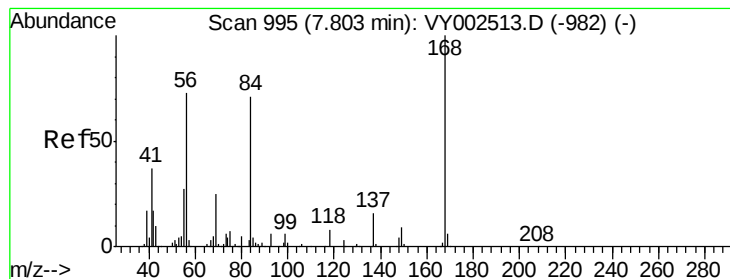
Tot Ion: 43 Resp: 3989
Ion Ratio Lower Upper
43 100
72 15.4 24.1 36.1#



#26
2,2-Dichloropropane
Concen: 1.163 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY002687.D
Acq: 13 May 2020 16:09

Tgt Ion: 77 Resp: 5052
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.5#





#31

Cyclohexane

Concen: 1.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002687.D

Acq: 13 May 2020 16:09

Instrument :

MSVOA_Y

ClientSampleId :

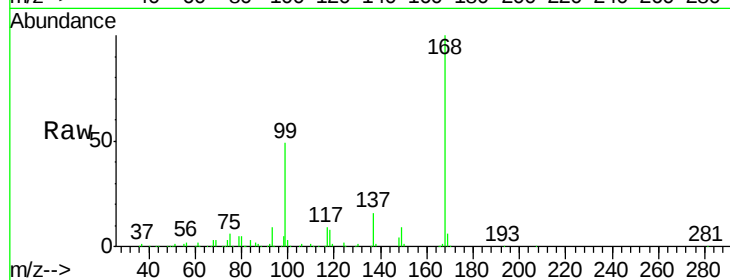
Tot Ion: 56 Resp: 4600

Ion Ratio Lower Upper

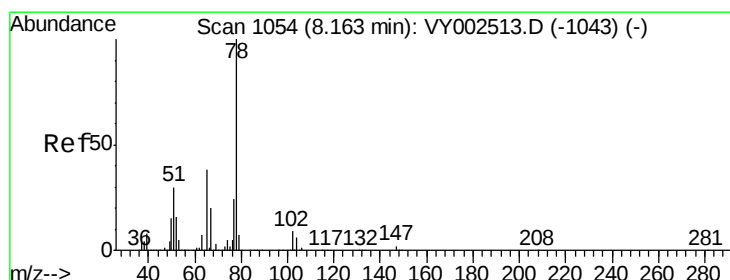
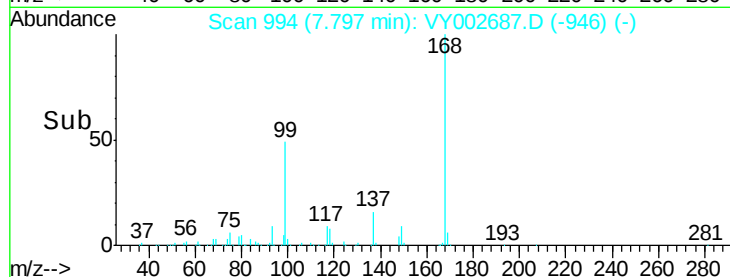
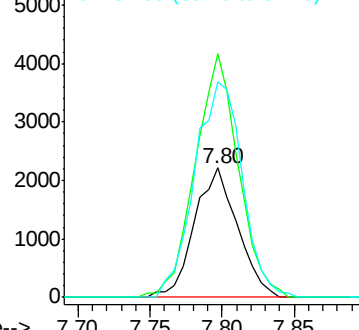
56 100

69 188.4 27.6 41.4#

84 166.7 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: 51.416 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002687.D

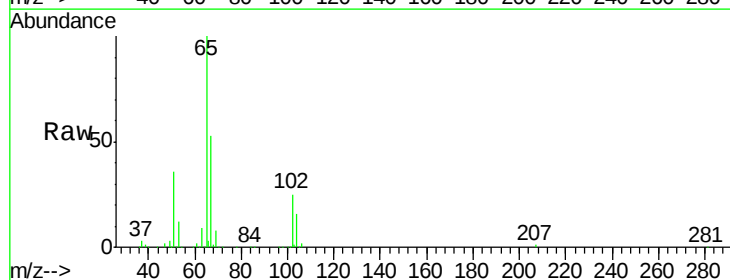
Acq: 13 May 2020 16:09

Tgt Ion: 65 Resp: 131538

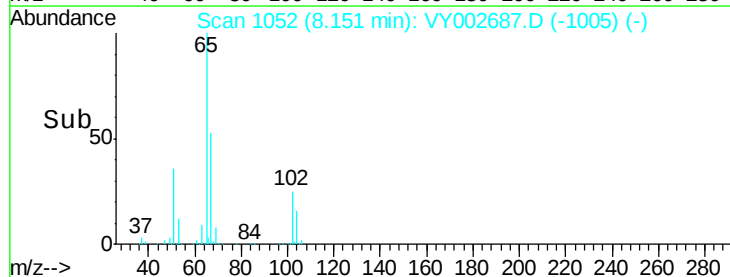
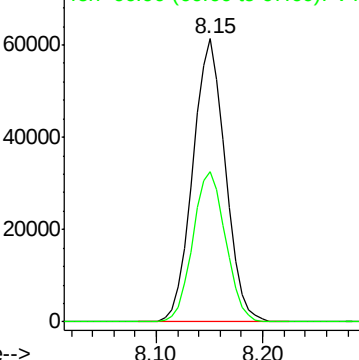
Ion Ratio Lower Upper

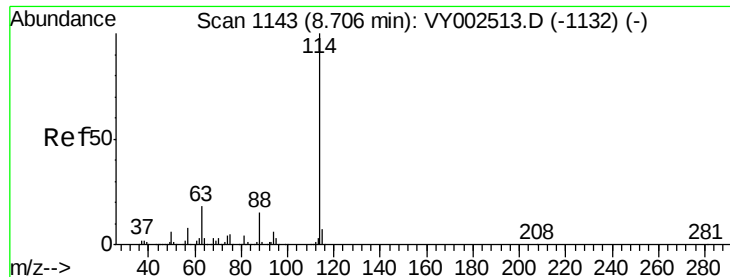
65 100

67 53.8 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: VY002687.D

Acq: 13 May 2020 16:09

Instrument :

MSVOA_Y

ClientSampleId :

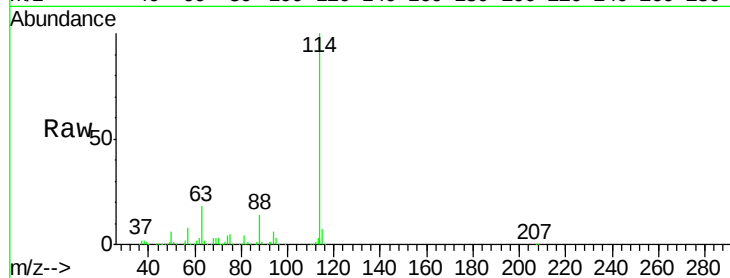
Tot Ion:114 Resp: 478937

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.4

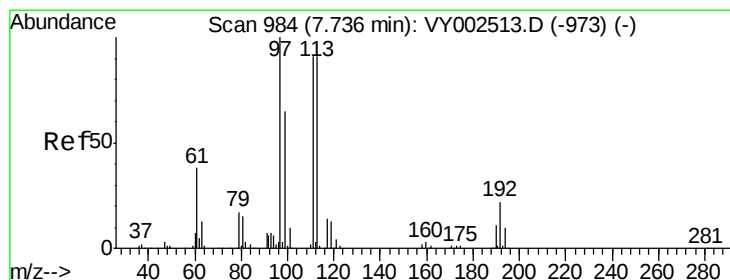
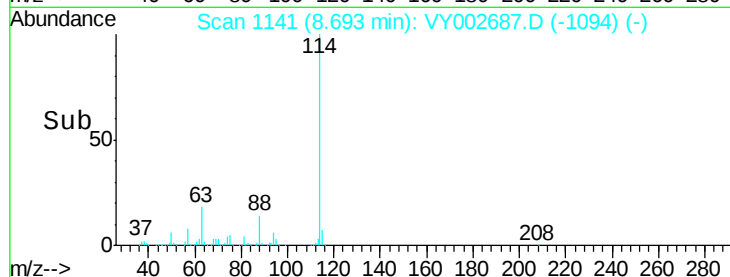
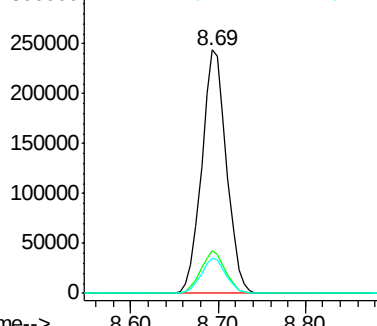
88 14.5 0.0 29.6



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: 51.926 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002687.D

Acq: 13 May 2020 16:09

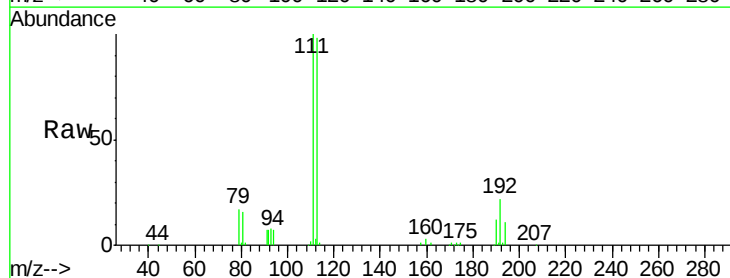
Tgt Ion:113 Resp: 142229

Ion Ratio Lower Upper

113 100

111 101.3 81.8 122.6

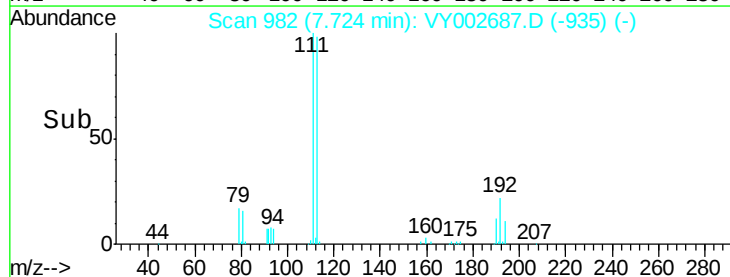
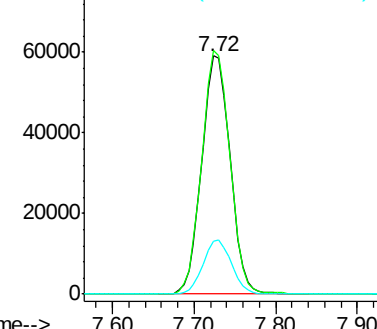
192 22.6 18.2 27.4

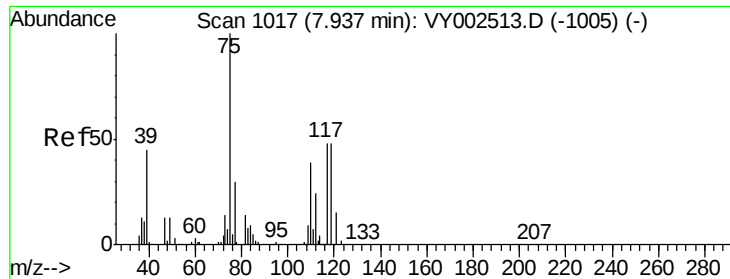


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.651 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.14 min

Lab File: VY002687.D

Acq: 13 May 2020 16:09

Instrument :

MSVOA_Y

ClientSampled :

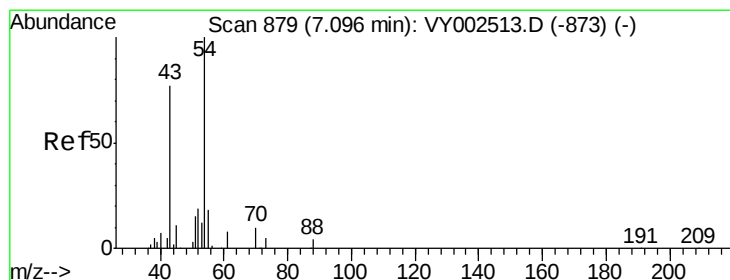
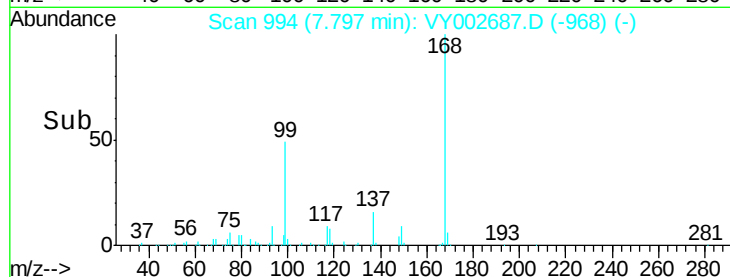
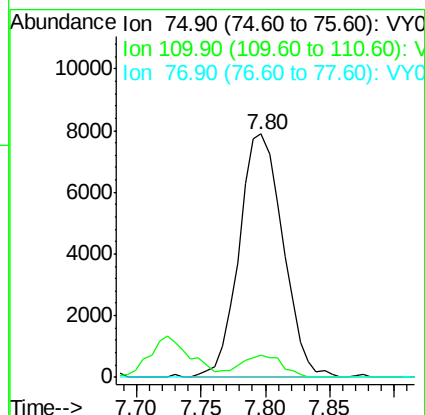
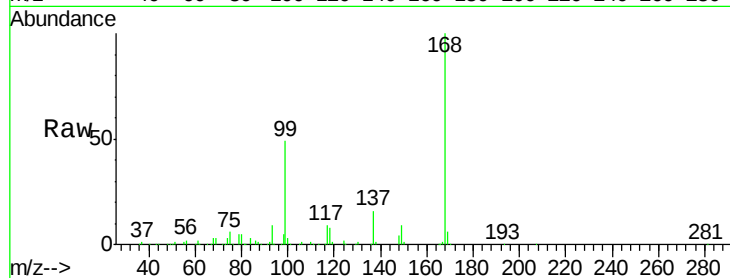
Tot Ion: 75 Resp: 18673

Ion Ratio Lower Upper

75 100

110 8.1 19.1 57.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 1.933 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.10 min

Lab File: VY002687.D

Acq: 13 May 2020 16:09

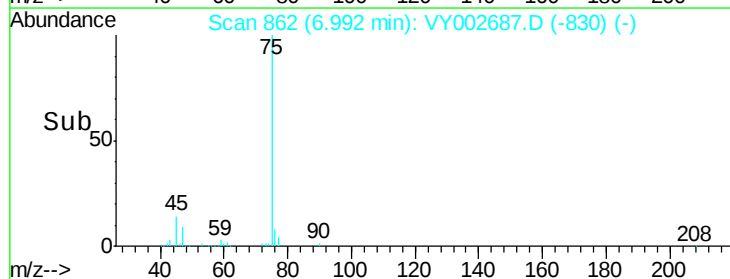
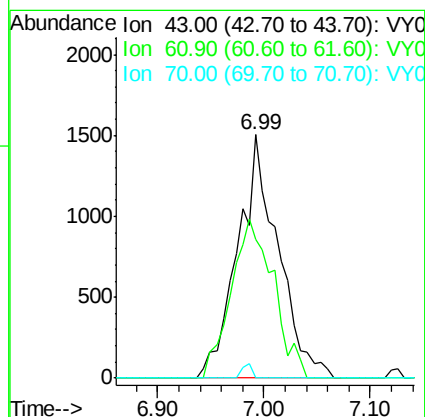
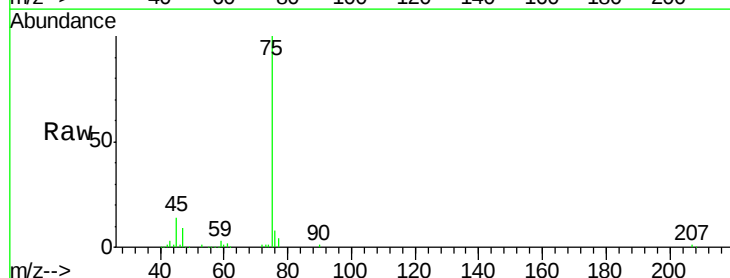
Tgt Ion: 43 Resp: 3989

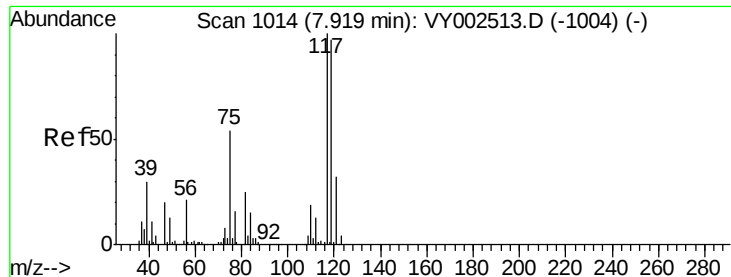
Ion Ratio Lower Upper

43 100

61 68.7 11.6 17.4#

70 1.4 9.0 13.6#

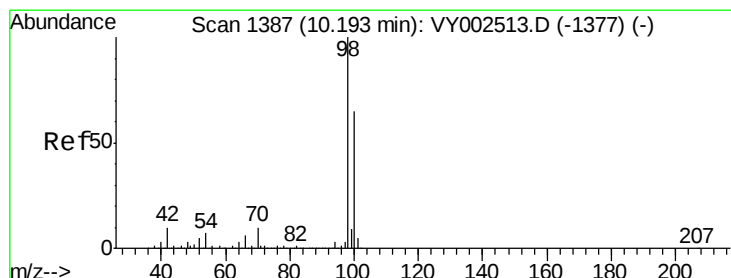
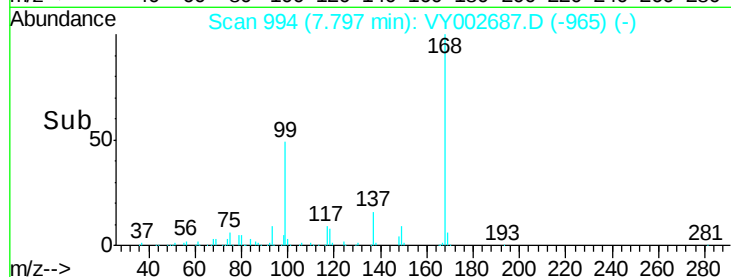
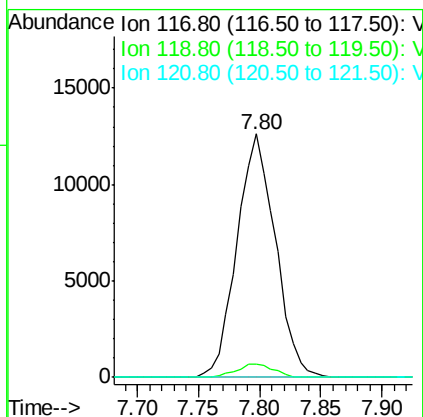
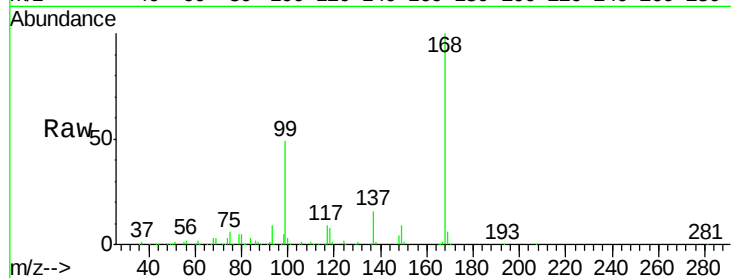




#38
Carbon Tetrachloride
Concen: 6.273 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY002687.D
Acq: 13 May 2020 16:09

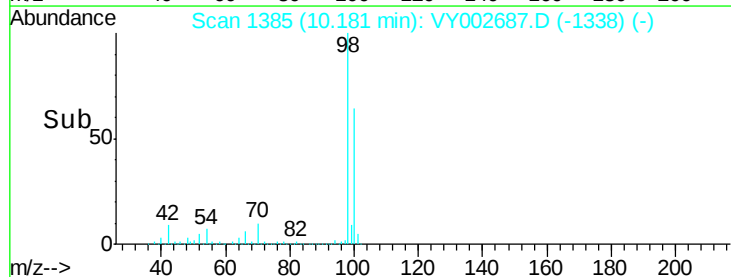
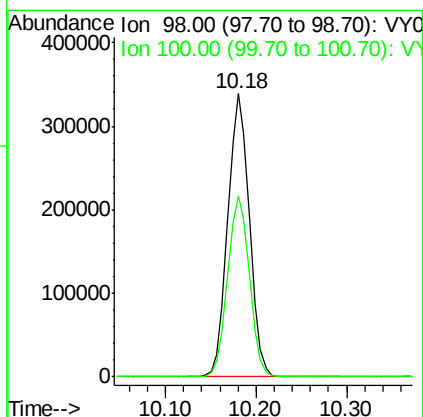
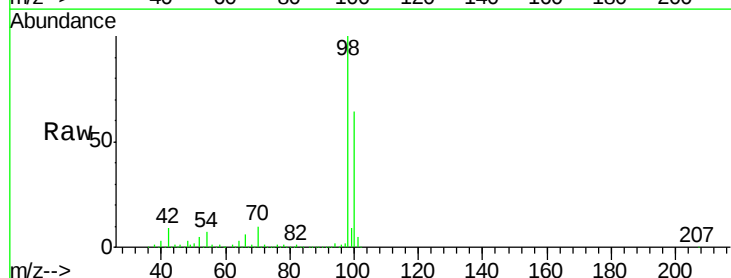
Instrument :
MSVOA_Y
ClientSampleId :

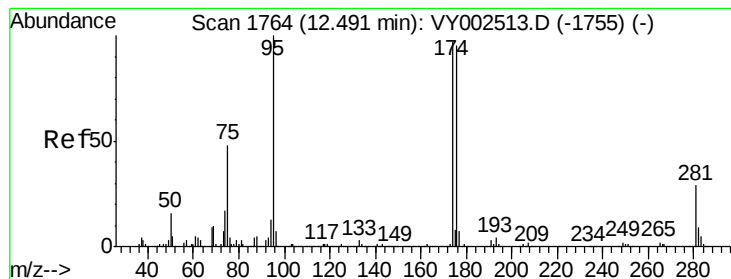
Tot Ion:117 Resp: 27499
Ion Ratio Lower Upper
117 100
119 5.5 77.1 115.7#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 52.278 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002687.D
Acq: 13 May 2020 16:09

Tgt Ion: 98 Resp: 559192
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 48.157 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002687.D

Acq: 13 May 2020 16:09

Instrument :

MSVOA_Y

ClientSampled :

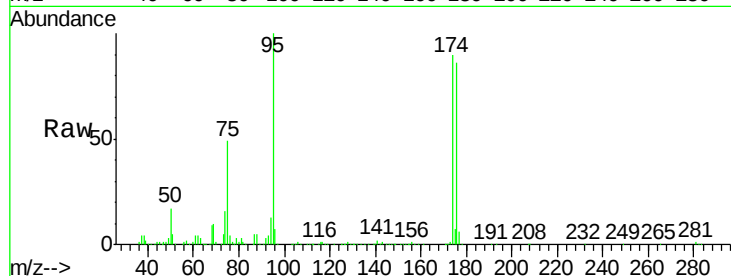
Tot Ion: 95 Resp: 174788

Ion Ratio Lower Upper

95 100

174 94.1 0.0 188.8

176 91.2 0.0 183.2



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0

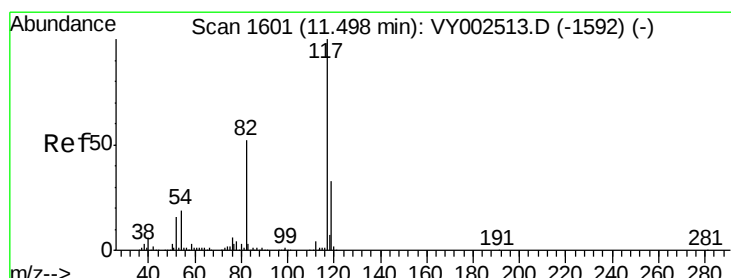
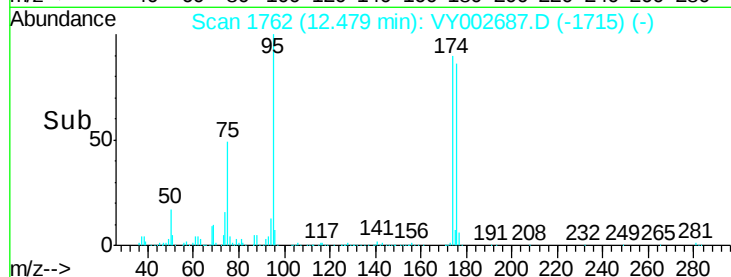
12.48

100000

50000

0

Time--> 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY002687.D

Acq: 13 May 2020 16:09

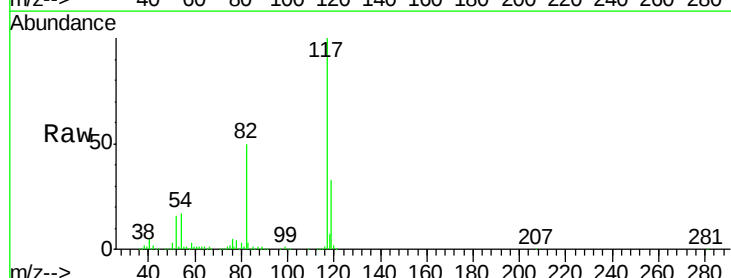
Tgt Ion: 117 Resp: 420269

Ion Ratio Lower Upper

117 100

82 50.1 41.3 61.9

119 33.0 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VY0

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): VY0

11.49

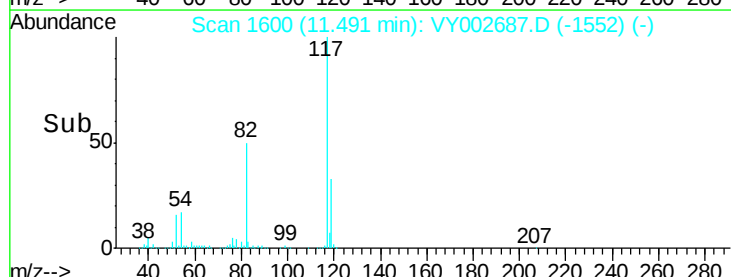
300000

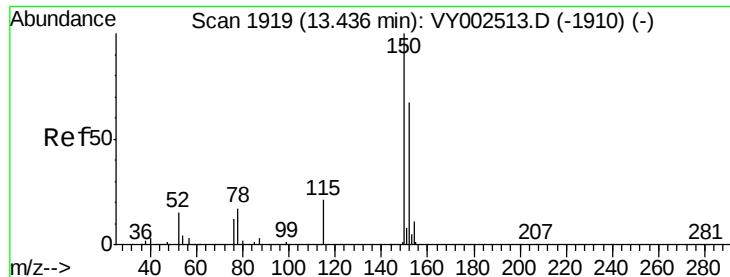
200000

100000

0

Time--> 11.40 11.50



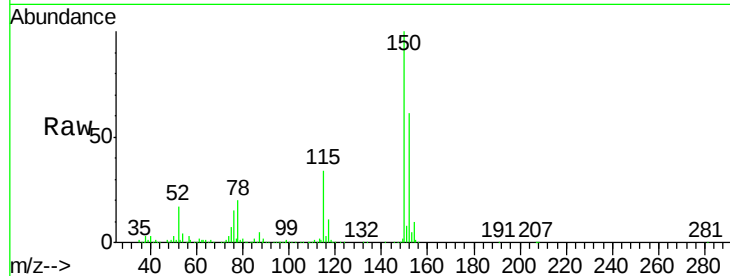


#72

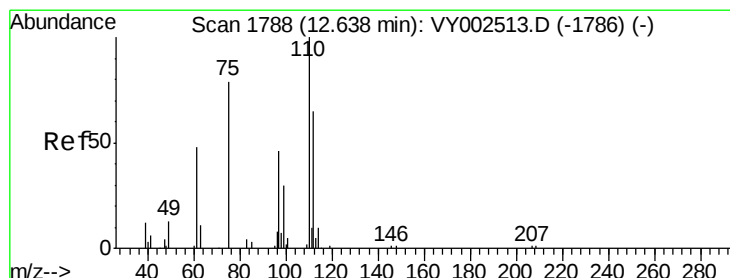
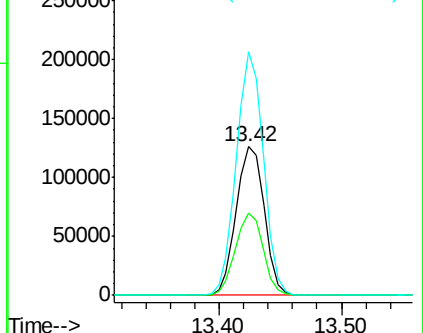
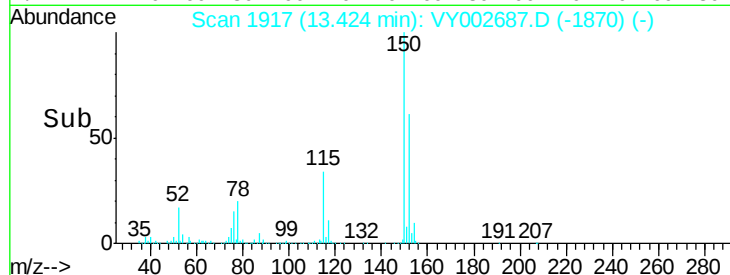
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002687.D
Acq: 13 May 2020 16:09

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 200469
Ion Ratio Lower Upper
152 100
115 54.3 27.5 82.4
150 157.8 0.0 346.4



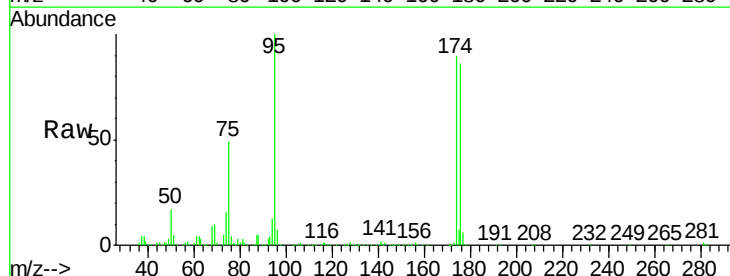
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



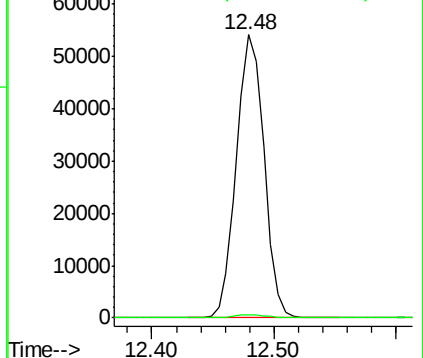
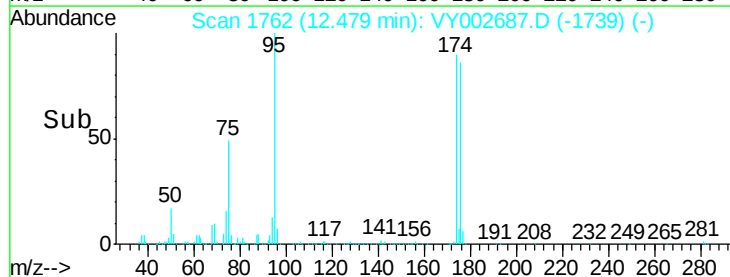
#76

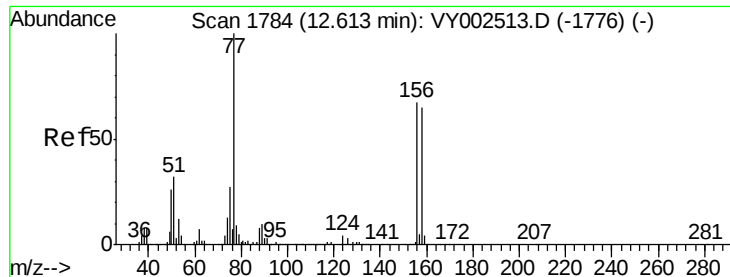
1,2,3-Trichloropropane
Concen: 47.629 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY002687.D
Acq: 13 May 2020 16:09

Tgt Ion: 75 Resp: 84852
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





#77

Bromobenzene

Concen: 1.014 ug/l

RT: 12.69 min Scan# 1796

Delta R.T. 0.07 min

Lab File: VY002687.D

Acq: 13 May 2020 16:09

Instrument :

MSVOA_Y

ClientSampled :

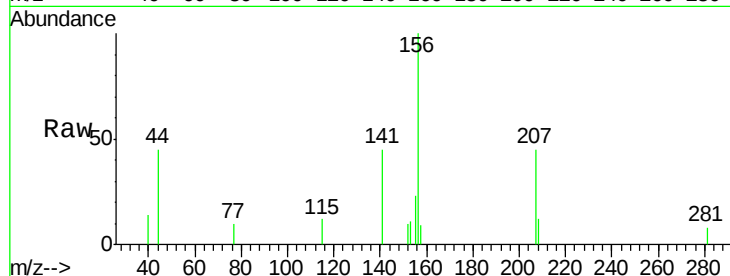
Tot Ion:156 Resp: 3291

Ion Ratio Lower Upper

156 100

77 4.6 82.0 245.8#

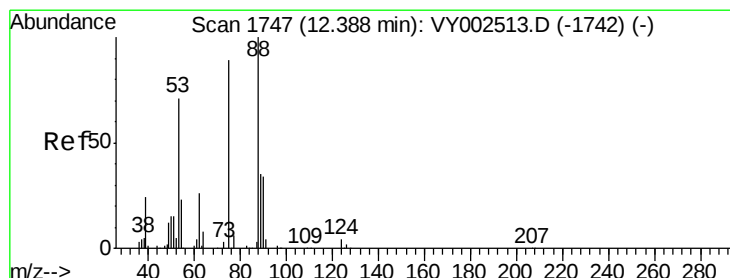
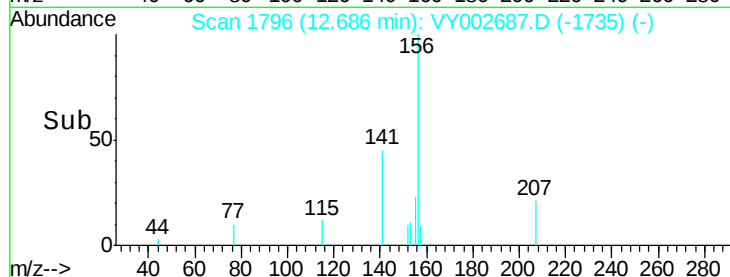
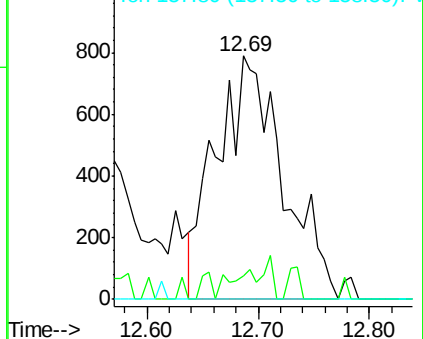
158 0.0 48.5 145.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 95.506 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002687.D

Acq: 13 May 2020 16:09

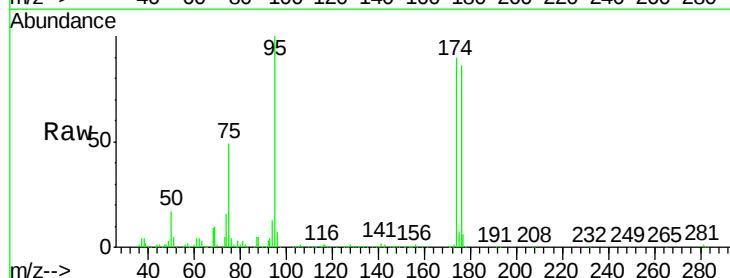
Tgt Ion: 75 Resp: 84852

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

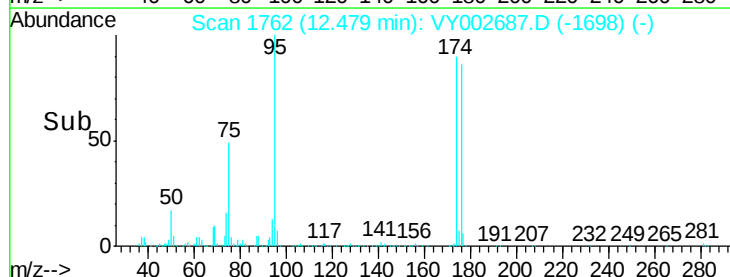
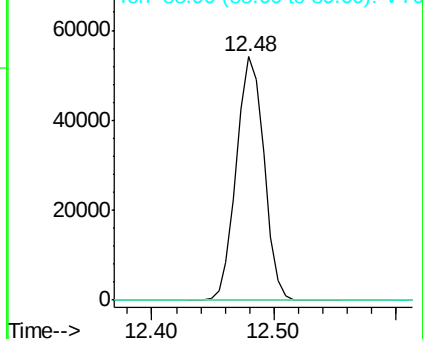
89 0.0 37.4 56.0#

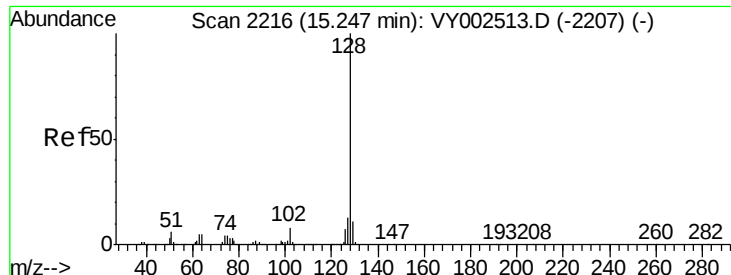


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

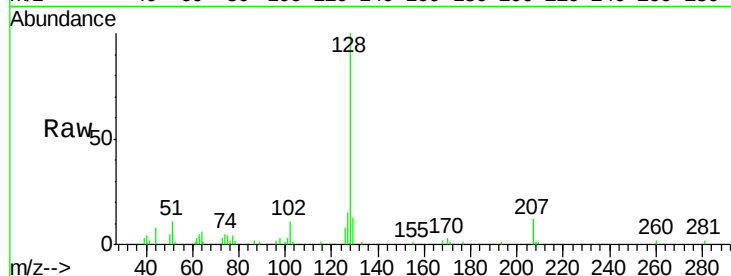




#95
Naphthalene
Concen: 1.515 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.01 min
Lab File: VY002687.D
Acq: 13 May 2020 16:09

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.5	15.7
129	12.1	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

