

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031820\
 Data File : VY002006.D
 Acq On : 18 Mar 2020 12:09
 Operator : SY/MD
 Sample : L1958-04RE
 Misc : 6.11G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 19 01:26:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	137793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	265841	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	221243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	69478	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	83665	56.88	ug/l	0.00
Spiked Amount			Recovery	=	113.76%	
35) Dibromofluoromethane	7.74	113	78089	53.79	ug/l	0.00
Spiked Amount			Recovery	=	107.58%	
50) Toluene-d8	10.19	98	316877	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.49	95	89729	42.16	ug/l	0.00
Spiked Amount			Recovery	=	84.32%	

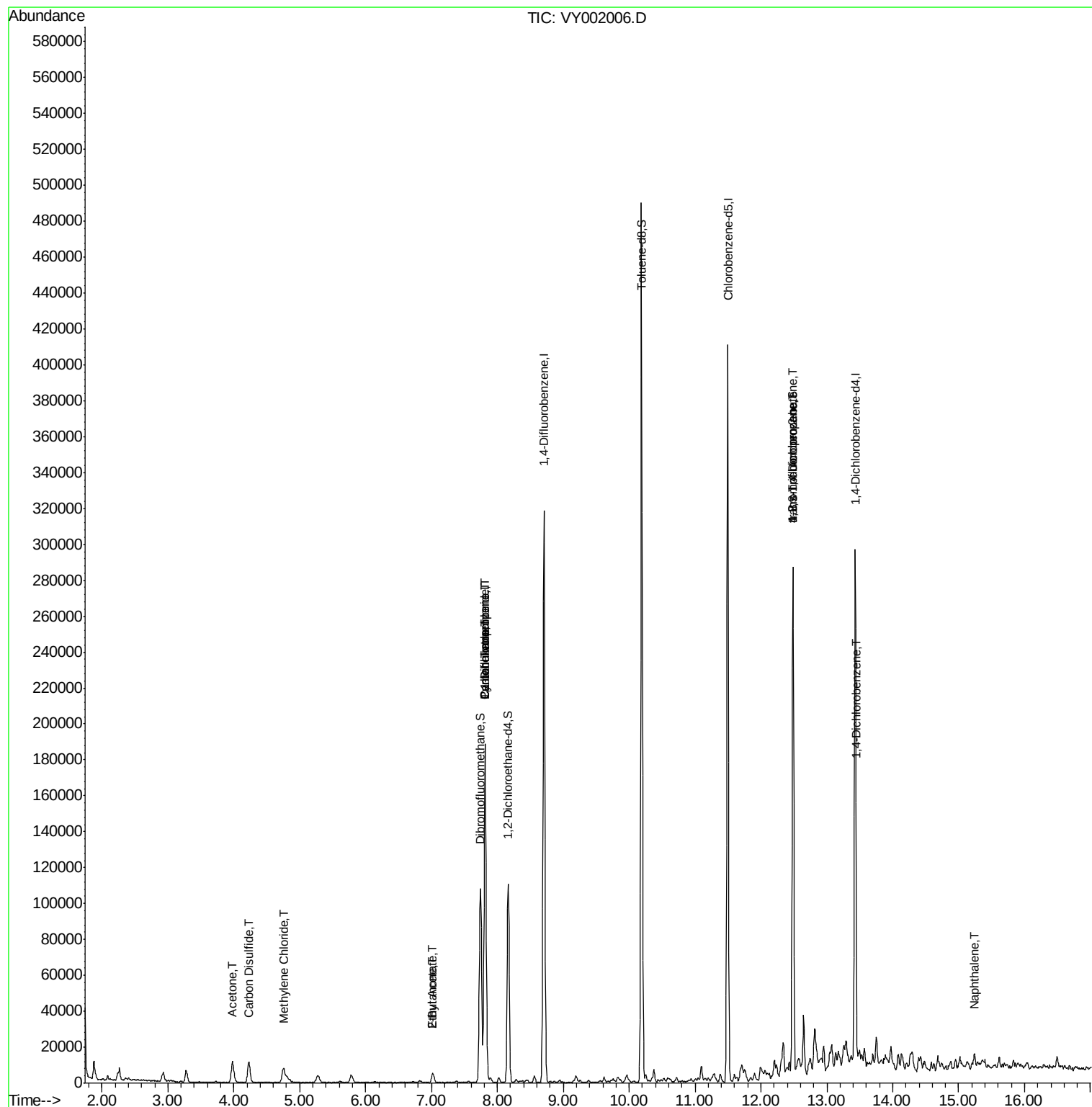
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.69	94	19	Below Cal	#	4
11) Tert butyl alcohol	5.00	59	66	Below Cal	#	74
16) Acetone	3.98	43	19432	45.354	ug/l	91
17) Carbon Disulfide	4.23	76	22465	4.362	ug/l #	94
20) Methylene Chloride	4.75	84	5711	3.110	ug/l	92
25) 2-Butanone	7.02	43	6922	10.624	ug/l	95
31) Cyclohexane	7.82	56	3764	1.164	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	12297	4.807	ug/l #	50
37) Ethyl Acetate	7.02	43	6922	4.656	ug/l #	85
38) Carbon Tetrachloride	7.82	117	14197	6.496	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	45811	55.569	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	45811	112.246	ug/l #	17
88) 1,4-Dichlorobenzene	13.45	146	3695	1.654	ug/l #	68
95) Naphthalene	15.24	128	6680	2.171	ug/l	96

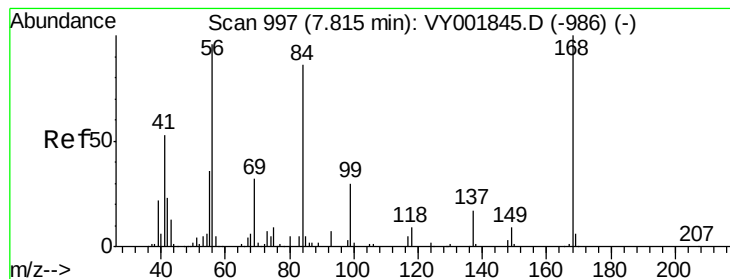
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY002006.D

Acq: 18 Mar 2020 12:09

Instrument :

MSVOA_Y

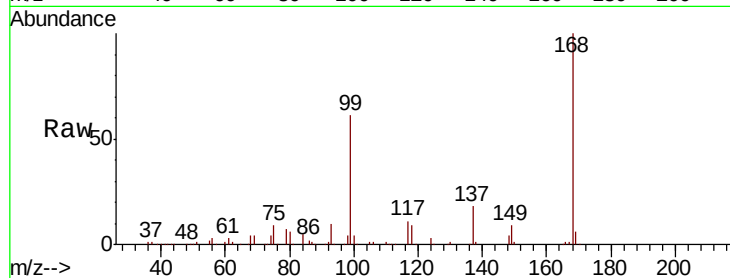
ClientSampleId :

Tot Ion:168 Resp: 137793

Ion Ratio Lower Upper

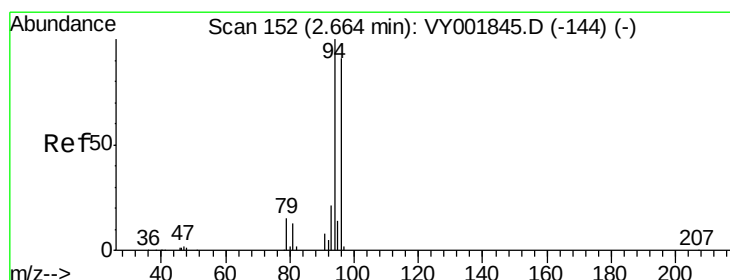
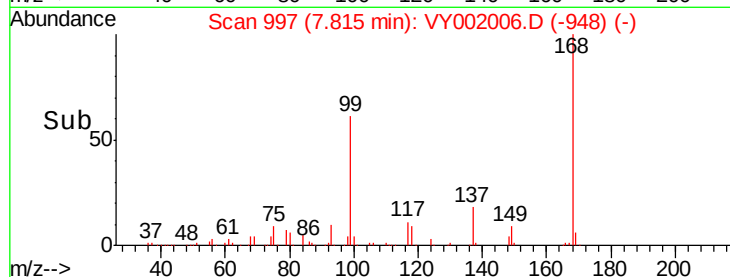
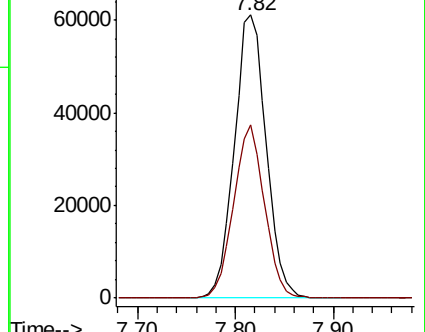
168 100

99 61.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.69 min Scan# 156

Delta R.T. 0.03 min

Lab File: VY002006.D

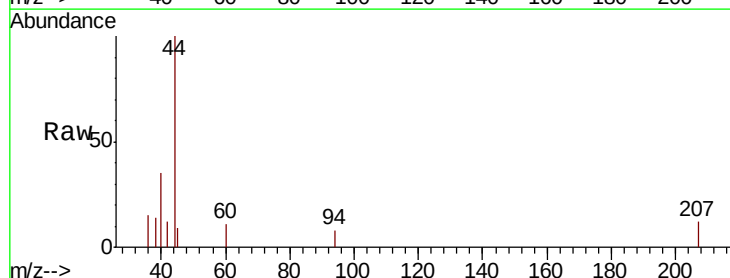
Acq: 18 Mar 2020 12:09

Tgt Ion: 94 Resp: 19

Ion Ratio Lower Upper

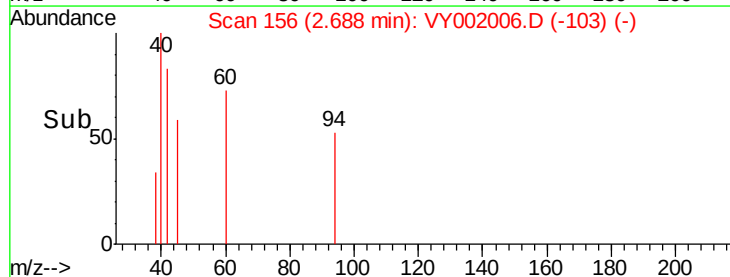
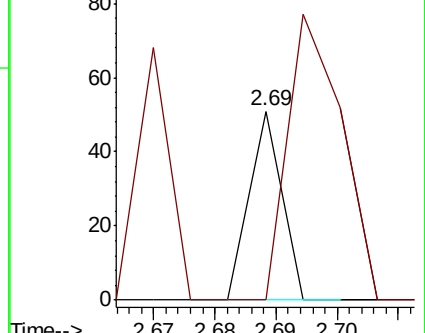
94 100

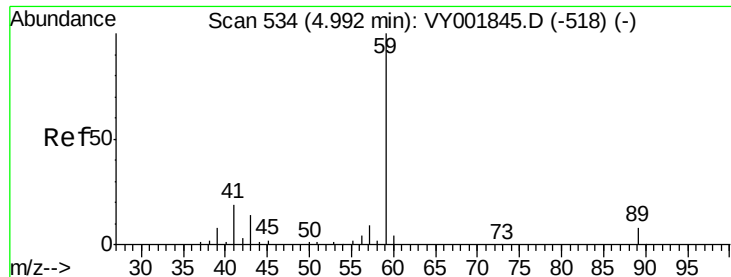
96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)



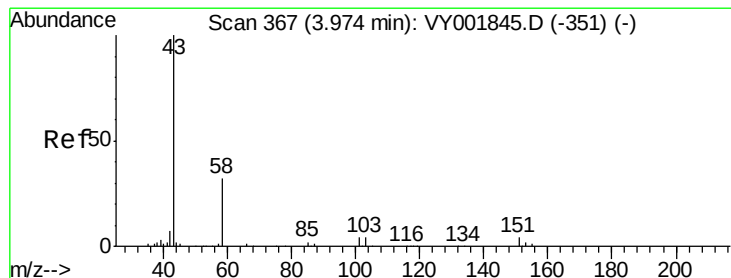
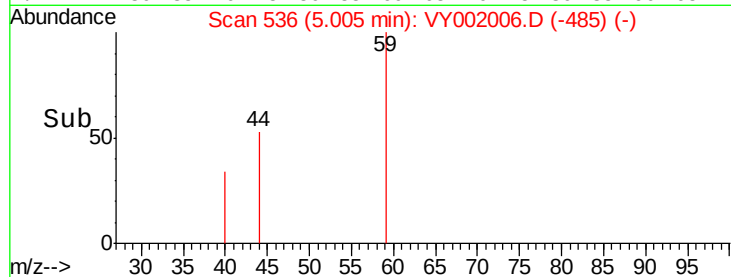
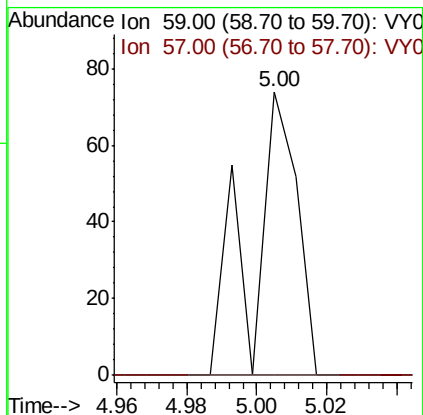
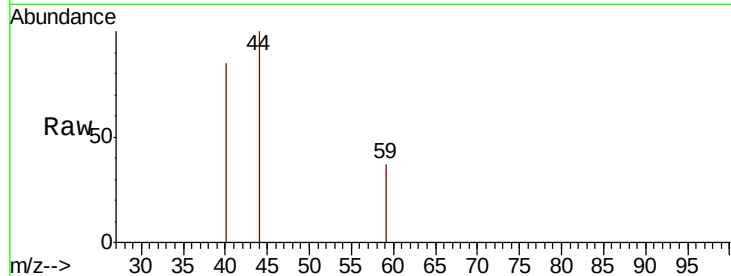


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.00 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VY002006.D
 Acq: 18 Mar 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :

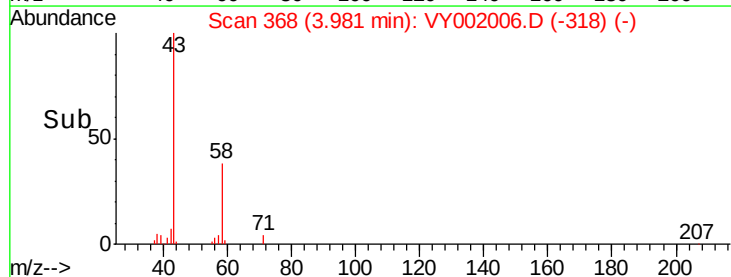
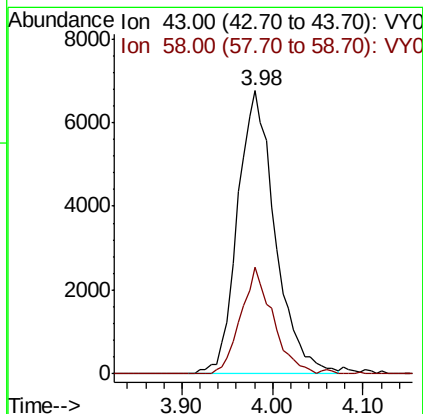
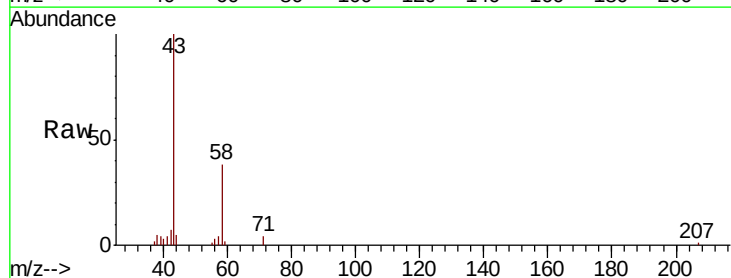
Tot Ion: 59 Resp: 66
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

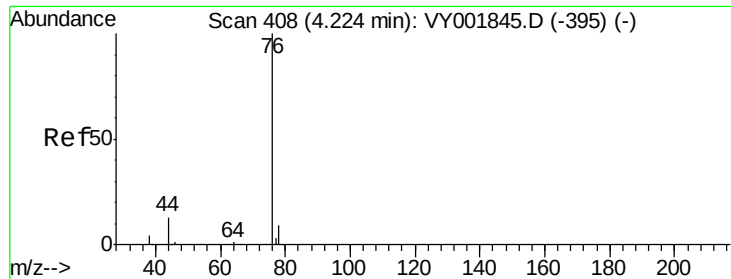


#16

Acetone
 Concen: 45.354 ug/l
 RT: 3.98 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VY002006.D
 Acq: 18 Mar 2020 12:09

Tgt Ion: 43 Resp: 19432
 Ion Ratio Lower Upper
 43 100
 58 37.7 25.9 38.9





#17

Carbon Disulfide

Concen: 4.362 ug/l

RT: 4.23 min Scan# 409

Delta R.T. 0.01 min

Lab File: VY002006.D

Acq: 18 Mar 2020 12:09

Instrument :

MSVOA_Y

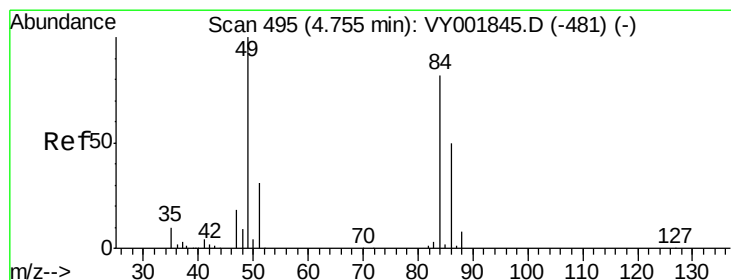
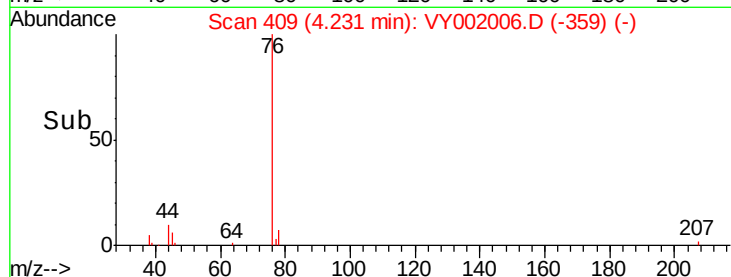
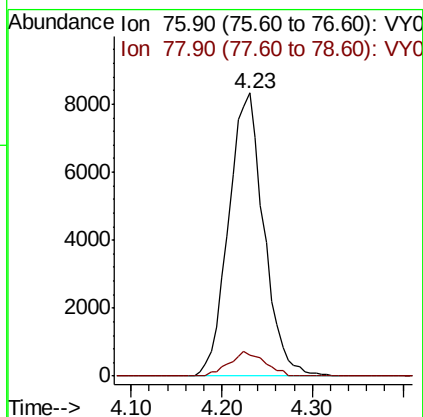
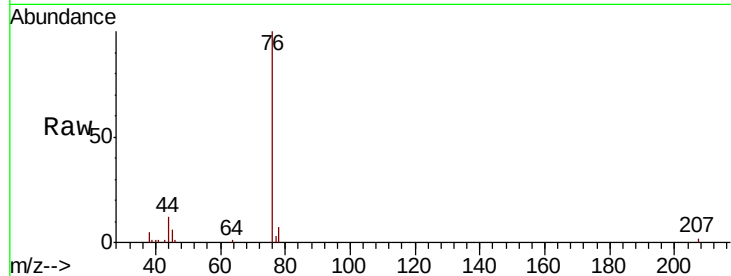
ClientSampleId :

Tot Ion: 76 Resp: 22465

Ion Ratio Lower Upper

76 100

78 7.2 7.4 11.2#



#20

Methylene Chloride

Concen: 3.110 ug/l

RT: 4.75 min Scan# 495

Delta R.T. 0.00 min

Lab File: VY002006.D

Acq: 18 Mar 2020 12:09

Tgt Ion: 84 Resp: 5711

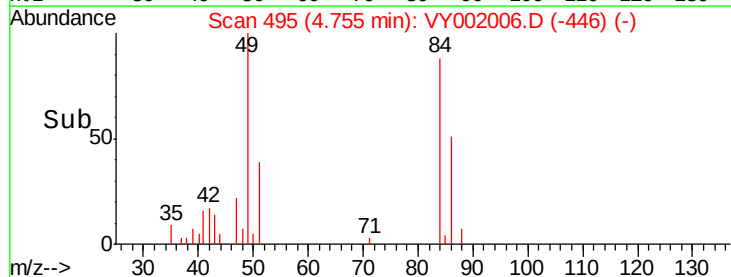
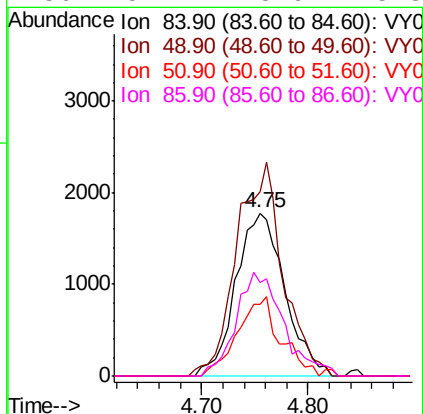
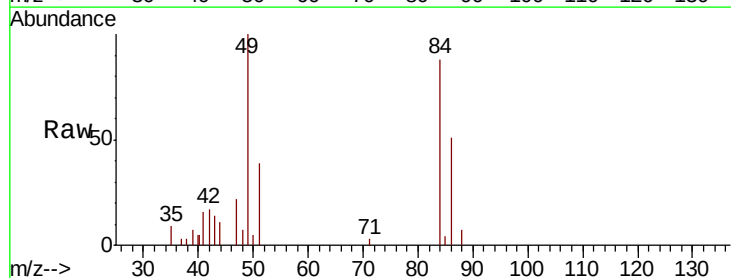
Ion Ratio Lower Upper

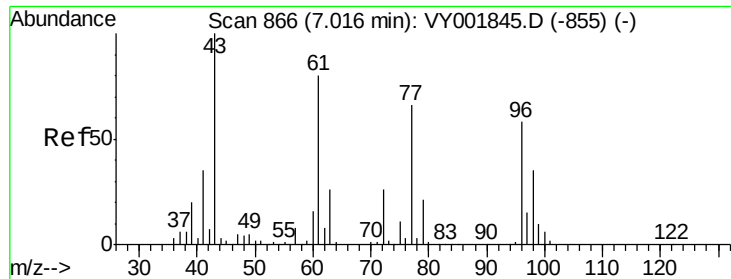
84 100

49 113.2 98.2 147.2

51 44.1 30.2 45.2

86 57.2 48.9 73.3





#25

2-Butanone

Concen: 10.624 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY002006.D

Acq: 18 Mar 2020 12:09

Instrument :

MSVOA_Y

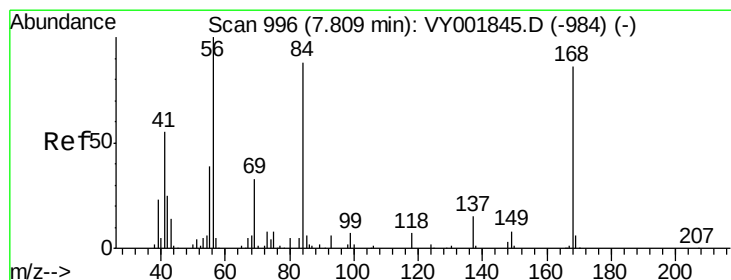
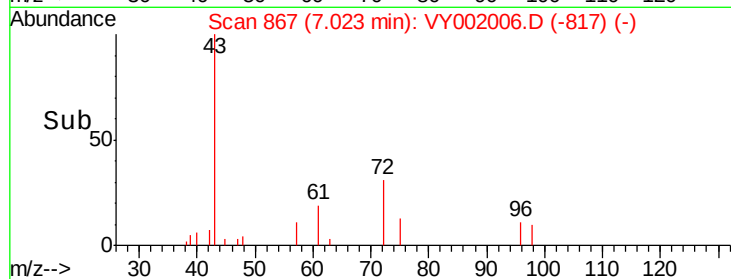
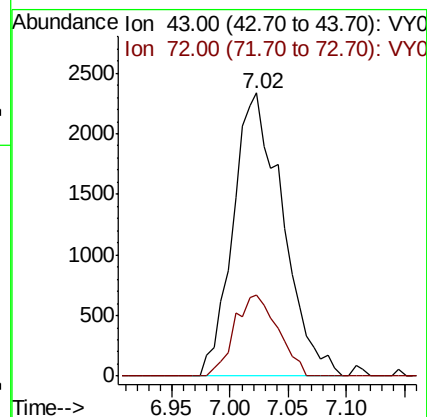
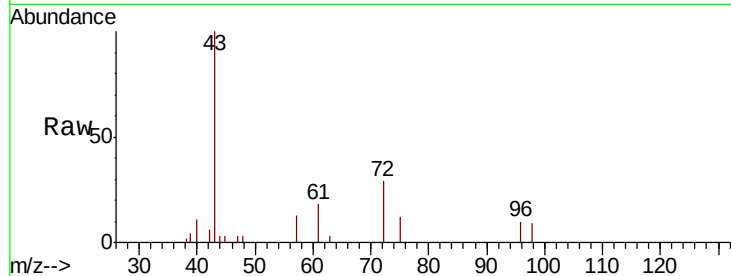
ClientSampled :

Tot Ion: 43 Resp: 6922

Ion Ratio Lower Upper

43 100

72 28.7 20.9 31.3



#31

Cyclohexane

Concen: 1.164 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002006.D

Acq: 18 Mar 2020 12:09

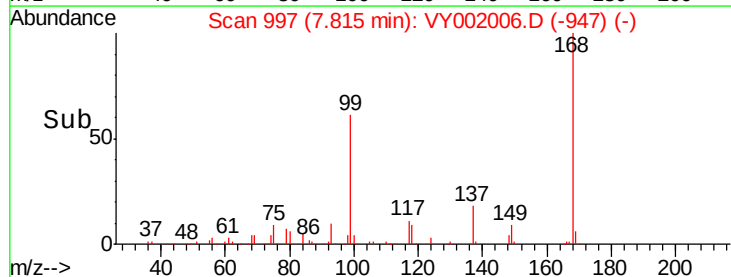
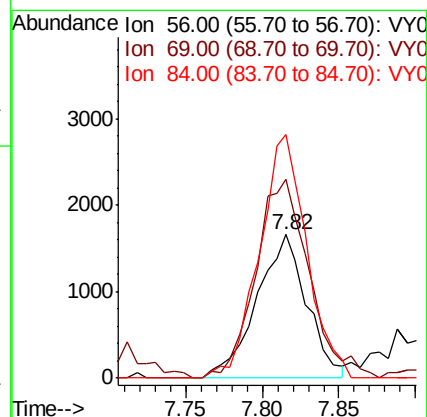
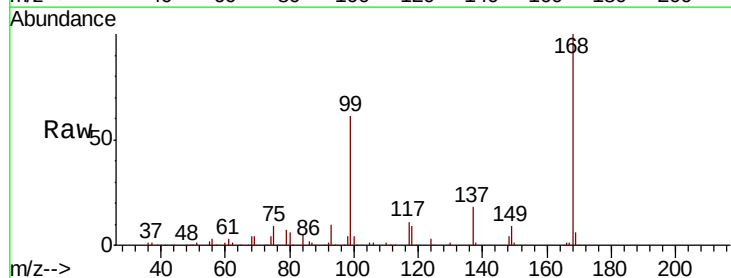
Tgt Ion: 56 Resp: 3764

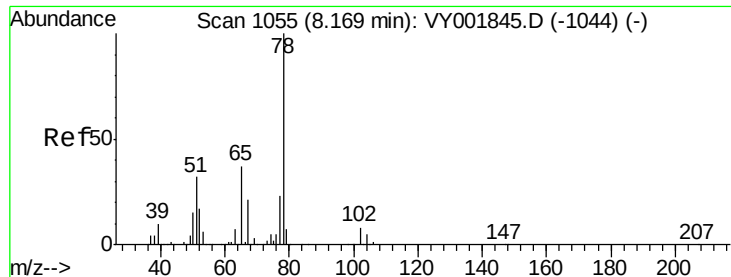
Ion Ratio Lower Upper

56 100

69 138.2 26.7 40.1#

84 169.8 70.4 105.6#

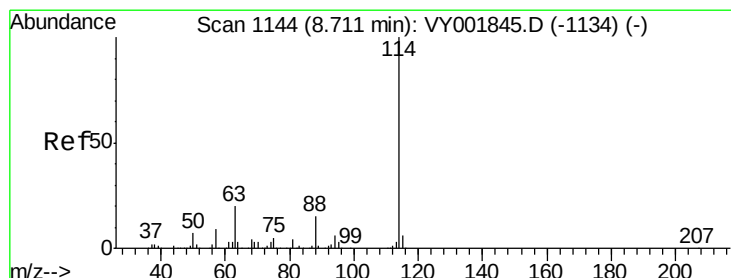
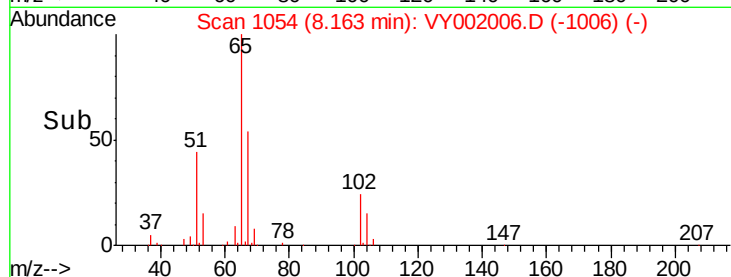
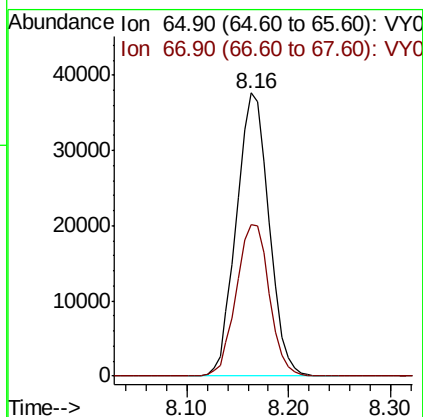
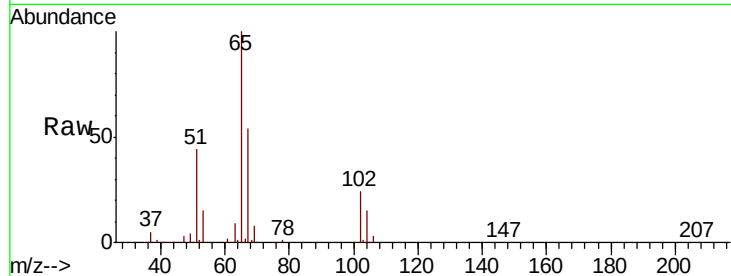




#33
 1,2-Dichloroethane-d4
 Concen: 56.875 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY002006.D
 Acq: 18 Mar 2020 12:09

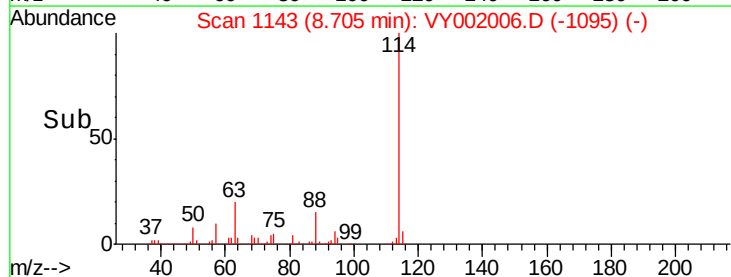
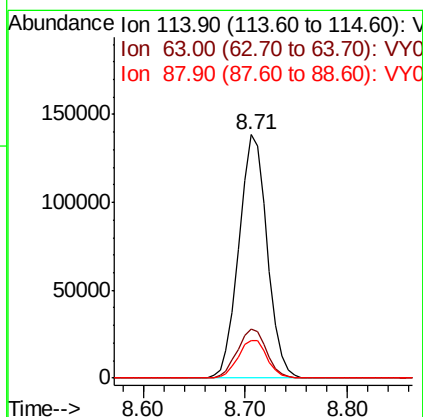
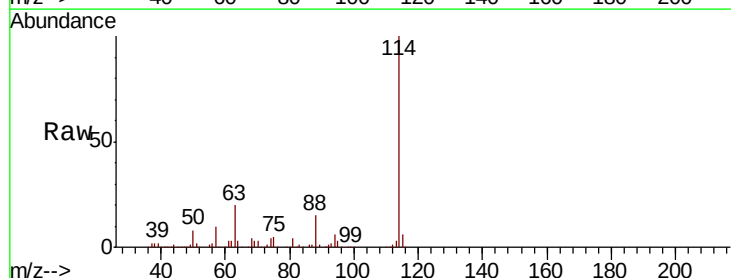
Instrument :
 MSVOA_Y
 ClientSampleId :

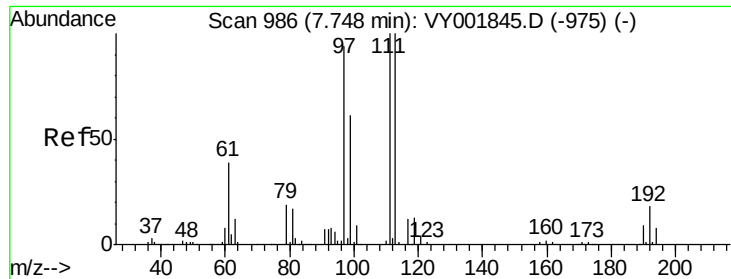
Tot Ion: 65 Resp: 83665
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY002006.D
 Acq: 18 Mar 2020 12:09

Tgt Ion: 114 Resp: 265841
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.4
 88 15.4 0.0 30.4

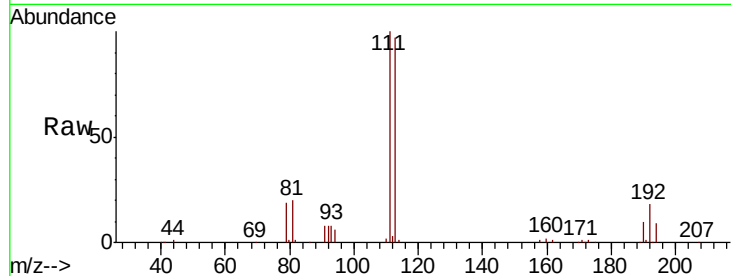




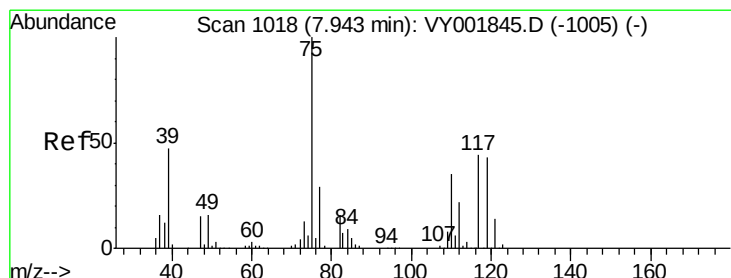
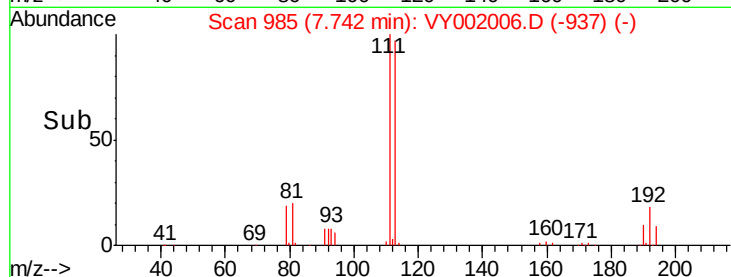
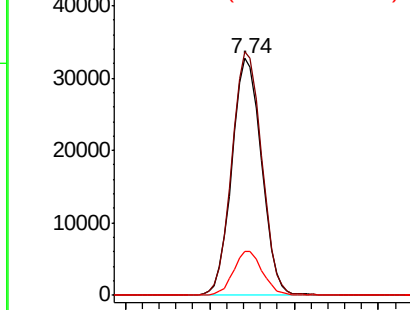
#35
 Dibromofluoromethane
 Concen: 53.795 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY002006.D
 Acq: 18 Mar 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.8
192	18.0	14.2	21.2

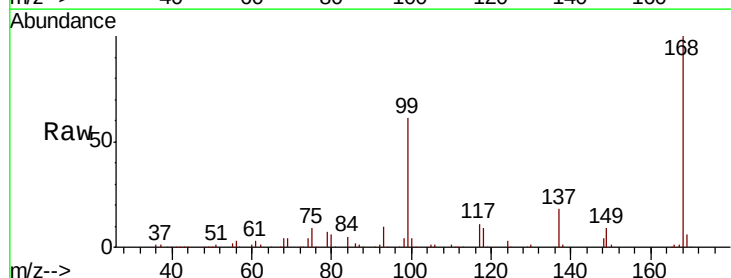


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

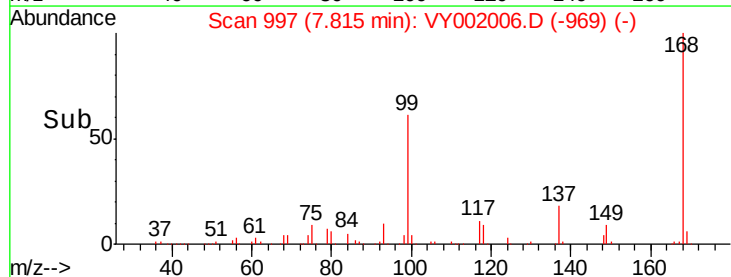
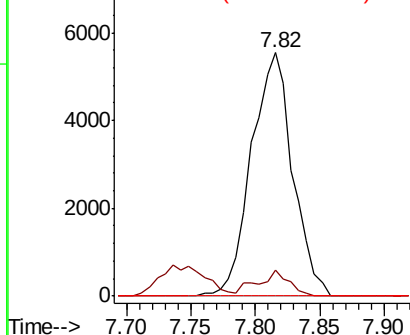


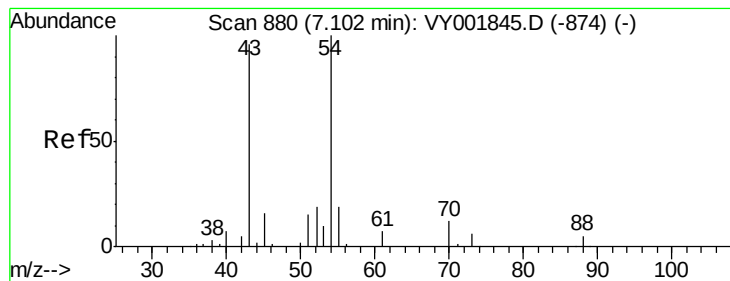
#36
 1,1-Dichloropropene
 Concen: 4.807 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY002006.D
 Acq: 18 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.4	52.2#
77	0.0	24.2	36.2#



Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VY0





#37

Ethyl Acetate

Concen: 4.656 ug/l

RT: 7.02 min Scan# 867

Delta R.T. -0.08 min

Lab File: VY002006.D

Acq: 18 Mar 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

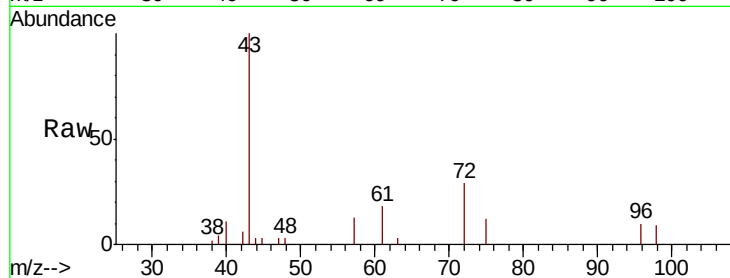
Tot Ion: 43 Resp: 6922

Ion Ratio Lower Upper

43 100

61 16.4 11.1 16.7

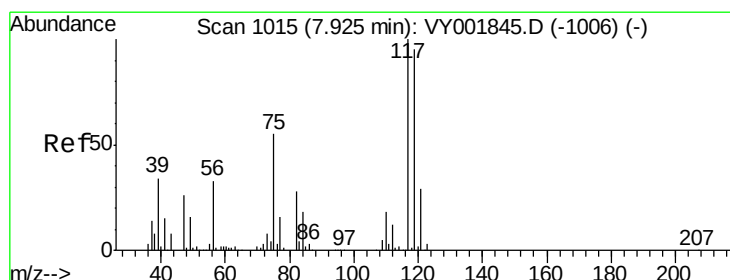
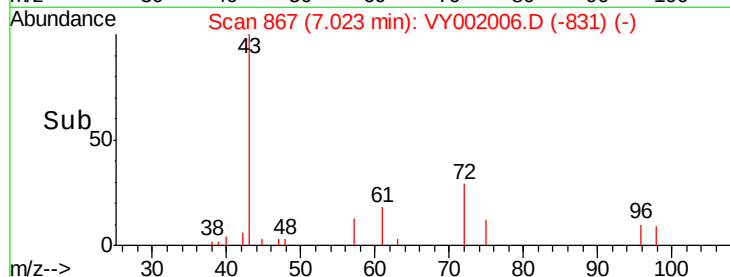
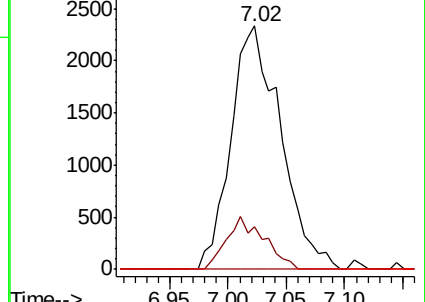
70 0.0 8.2 12.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 70.00 (69.70 to 70.70): VY0



#38

Carbon Tetrachloride

Concen: 6.496 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.11 min

Lab File: VY002006.D

Acq: 18 Mar 2020 12:09

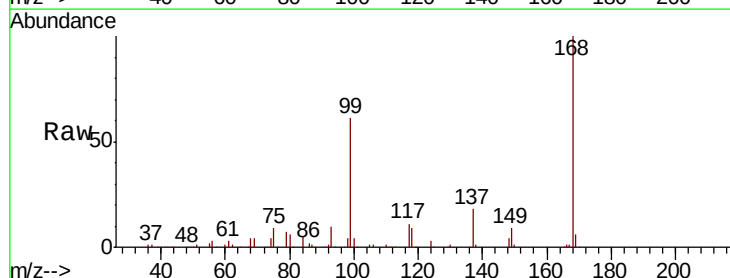
Tgt Ion: 117 Resp: 14197

Ion Ratio Lower Upper

117 100

119 4.4 76.3 114.5#

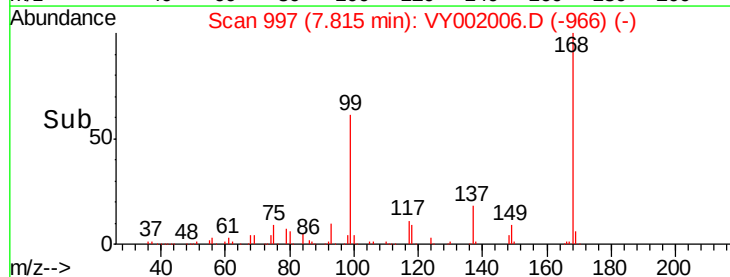
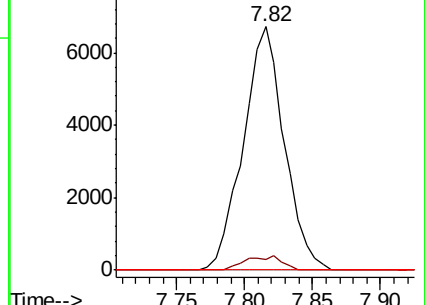
121 0.0 23.5 35.3#

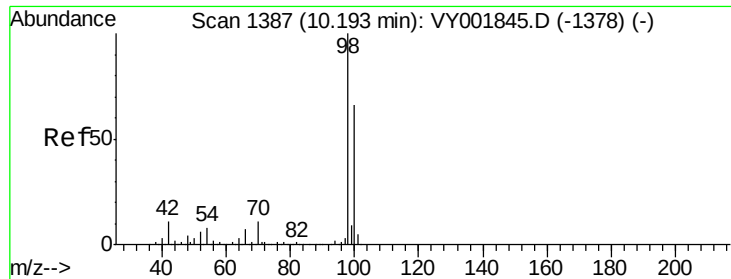


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

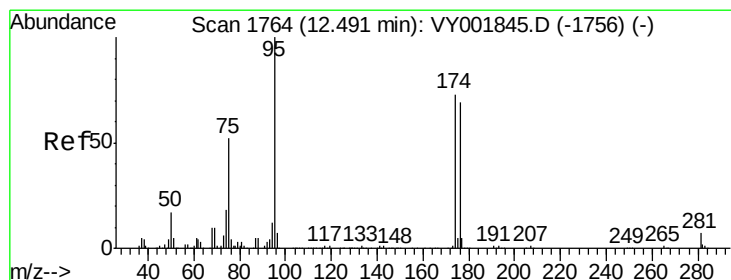
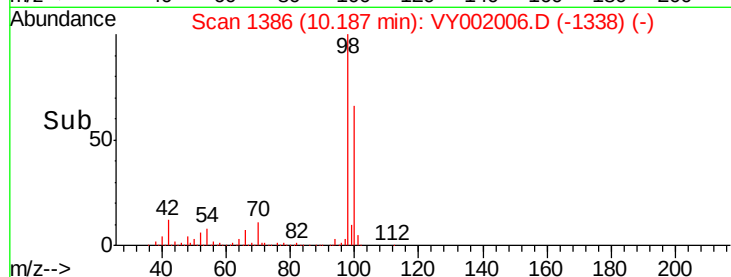
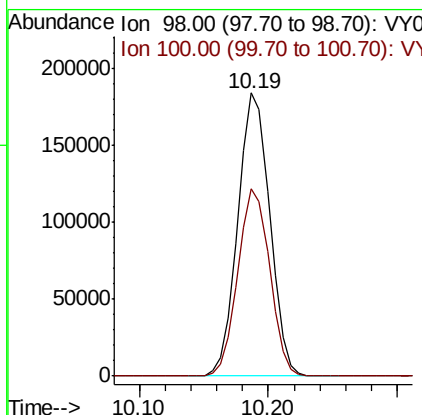
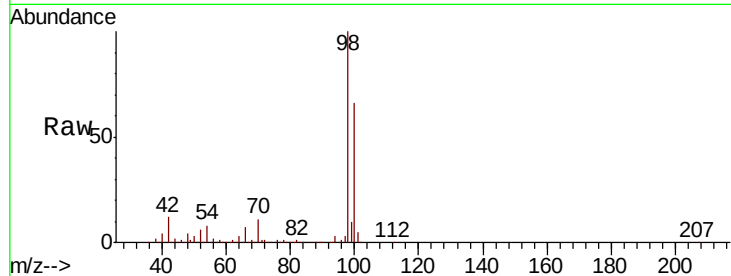




#50
Toluene-d8
Concen: 51.767 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY002006.D
Acq: 18 Mar 2020 12:09

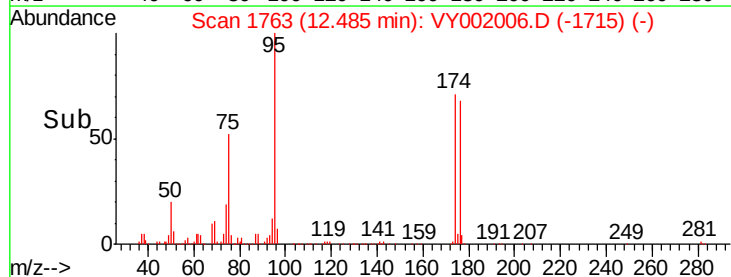
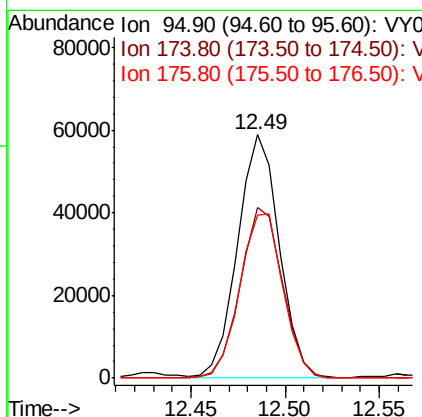
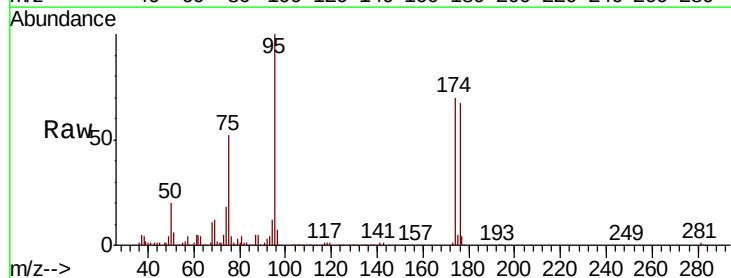
Instrument :
MSVOA_Y
ClientSampleId :

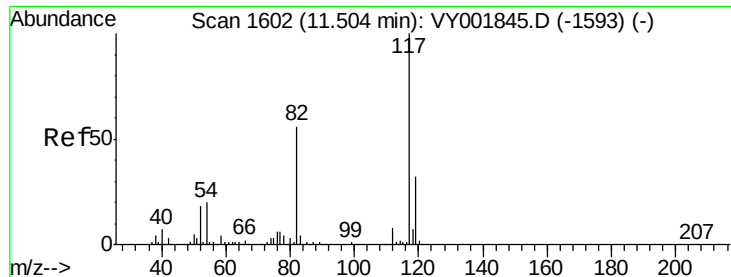
Tot Ion: 98 Resp: 316877
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 42.158 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY002006.D
Acq: 18 Mar 2020 12:09

Tgt Ion: 95 Resp: 89729
Ion Ratio Lower Upper
95 100
174 71.9 0.0 145.0
176 70.3 0.0 137.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: VY002006.D

Acq: 18 Mar 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

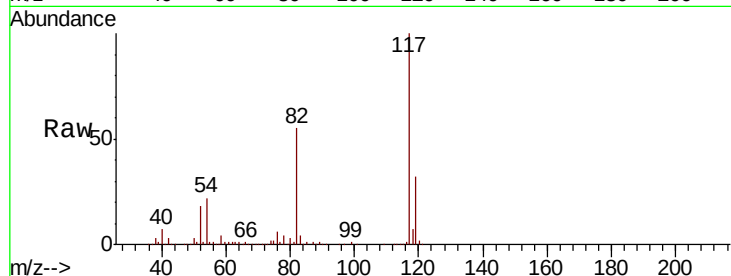
Tot Ion:117 Resp: 221243

Ion Ratio Lower Upper

117 100

82 55.3 44.5 66.7

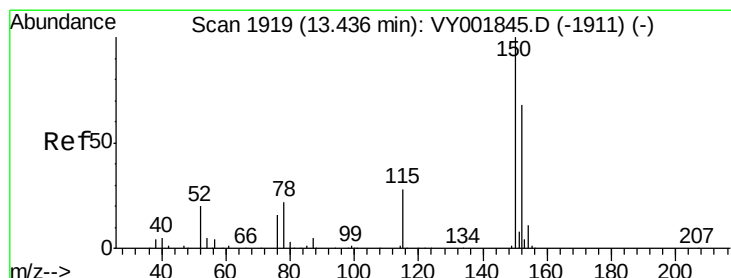
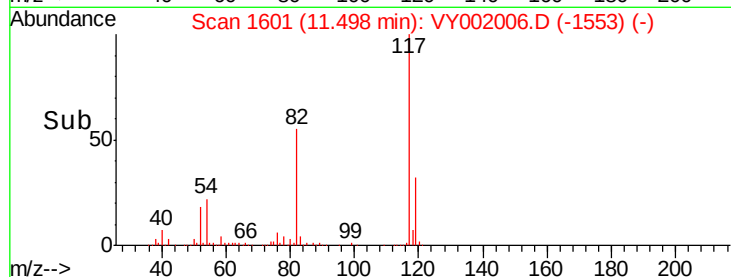
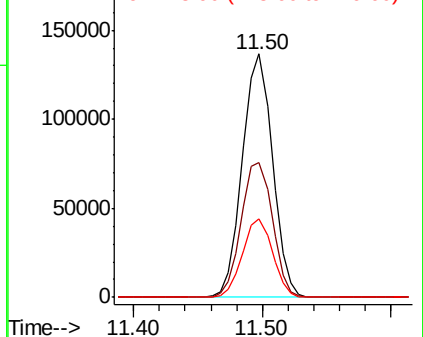
119 32.0 25.7 38.5



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY002006.D

Acq: 18 Mar 2020 12:09

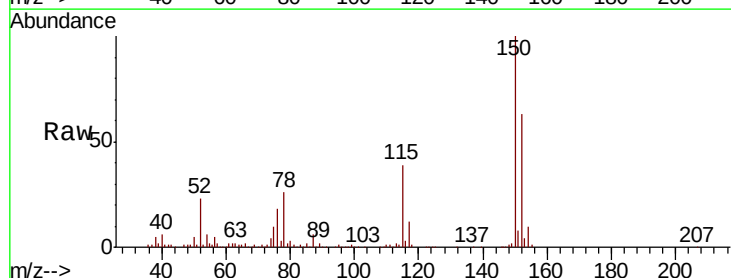
Tgt Ion:152 Resp: 69478

Ion Ratio Lower Upper

152 100

115 61.1 29.9 89.7

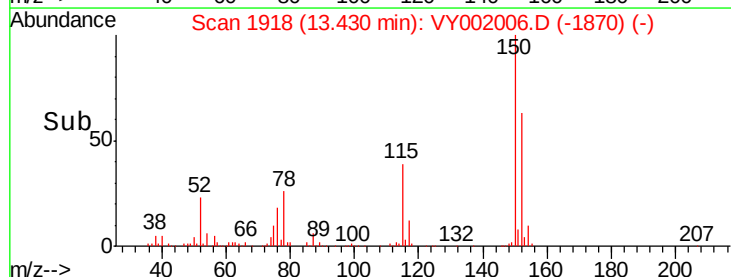
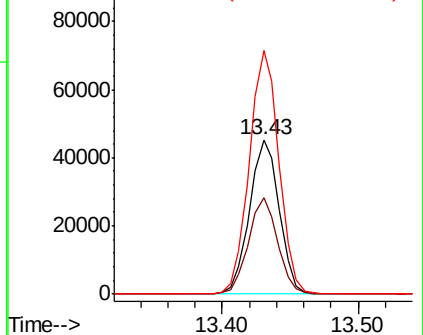
150 157.0 0.0 340.6

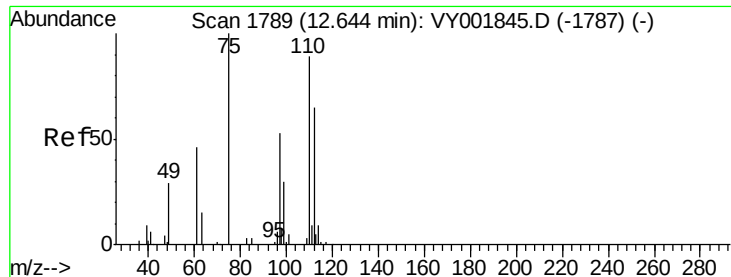


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 55.569 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY002006.D

Acq: 18 Mar 2020 12:09

Instrument :

MSVOA_Y

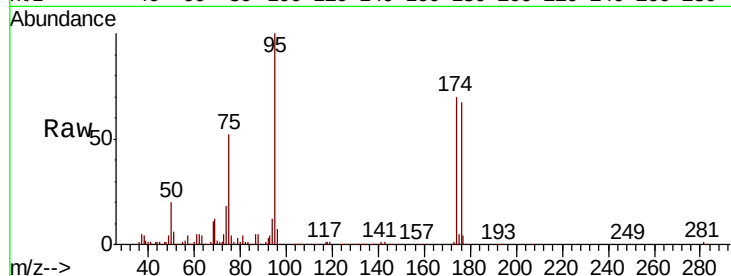
ClientSampleId :

Tot Ion: 75 Resp: 45811

Ion Ratio Lower Upper

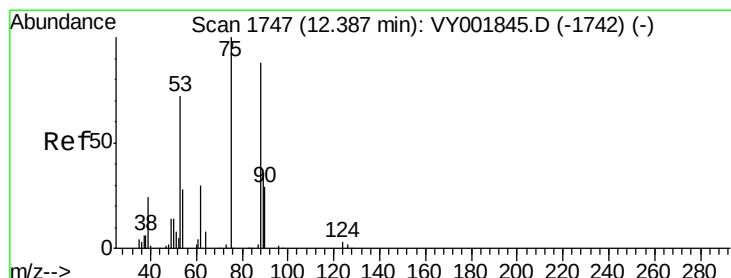
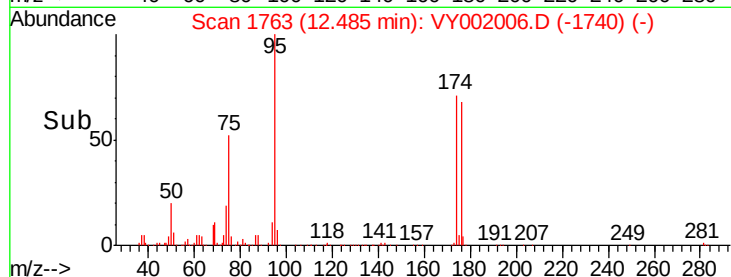
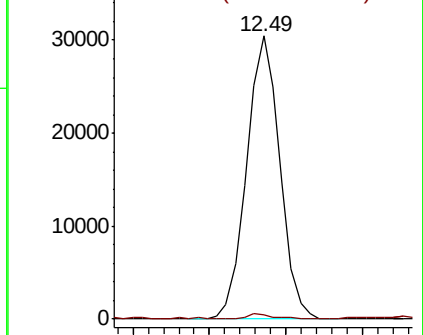
75 100

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: 112.246 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002006.D

Acq: 18 Mar 2020 12:09

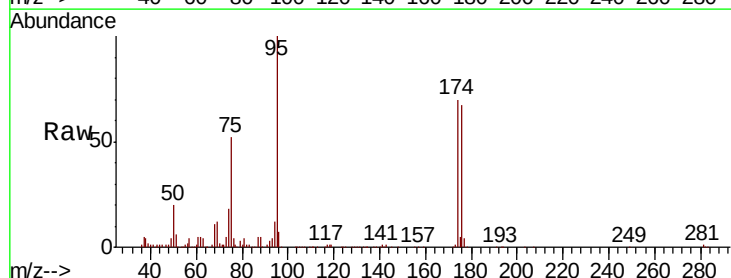
Tgt Ion: 75 Resp: 45811

Ion Ratio Lower Upper

75 100

53 0.8 65.4 98.0#

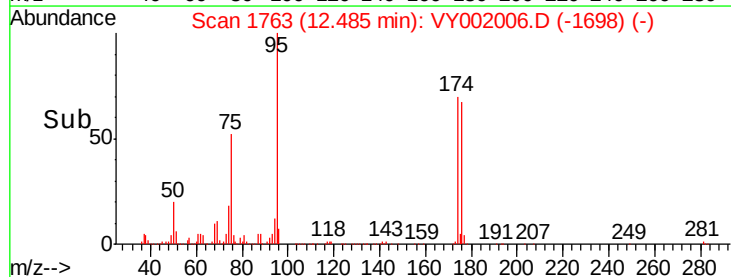
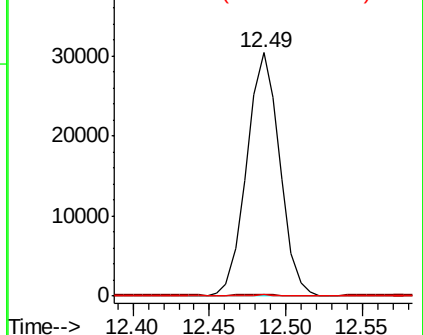
89 0.2 36.0 54.0#

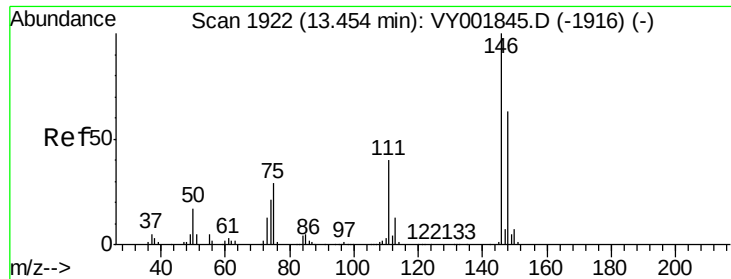


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#88

1,4-Dichlorobenzene

Concen: 1.654 ug/l

RT: 13.45 min Scan# 1921

Delta R.T. -0.01 min

Lab File: VY002006.D

Acq: 18 Mar 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

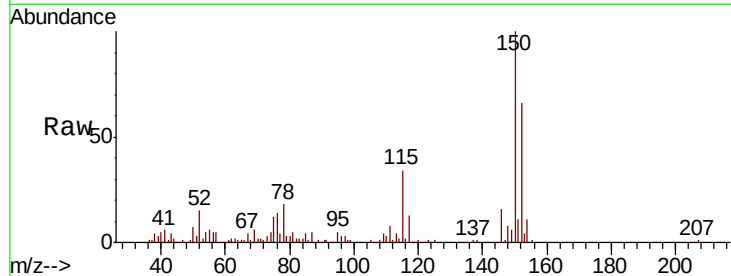
Tot Ion:146 Resp: 3695

Ion Ratio Lower Upper

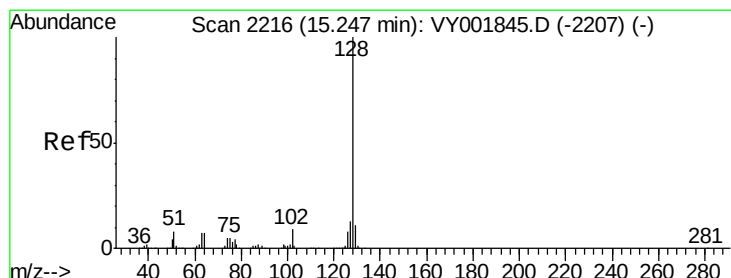
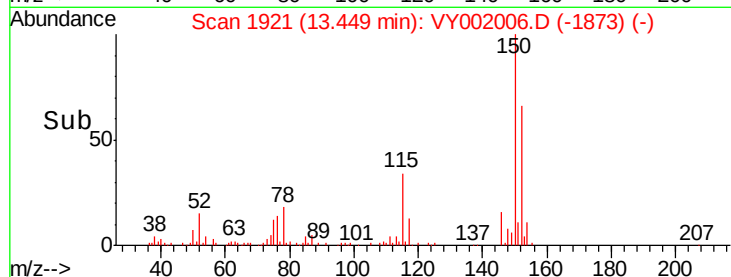
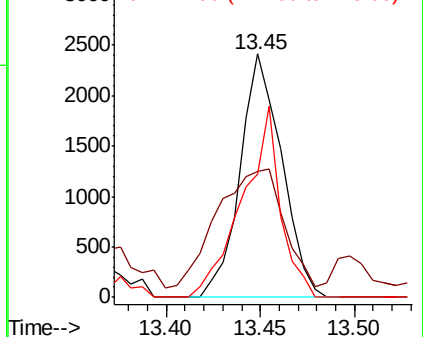
146 100

111 80.4 20.0 60.0#

148 71.2 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#95

Naphthalene

Concen: 2.171 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY002006.D

Acq: 18 Mar 2020 12:09

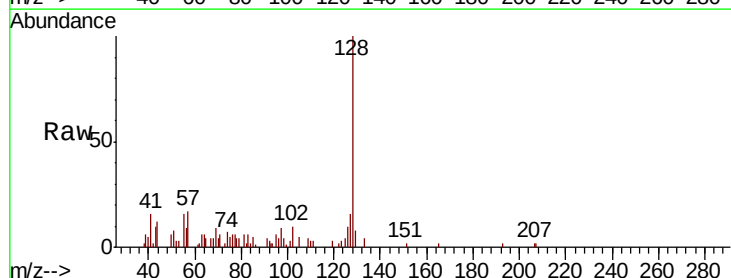
Tgt Ion:128 Resp: 6680

Ion Ratio Lower Upper

128 100

127 15.0 10.1 15.1

129 11.6 8.6 13.0



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

