

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
 Data File : VY002647.D
 Acq On : 08 May 2020 17:34
 Operator : SY/MD
 Sample : L2554-01RE
 Misc : 6.57G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 09 03:48:33 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	367270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	554960	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	460807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	187281	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	144300	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
35) Dibromofluoromethane	7.74	113	159309	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
50) Toluene-d8	10.19	98	639263	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.49	95	181099	43.06	ug/l	0.00
Spiked Amount			Recovery	=	86.12%	

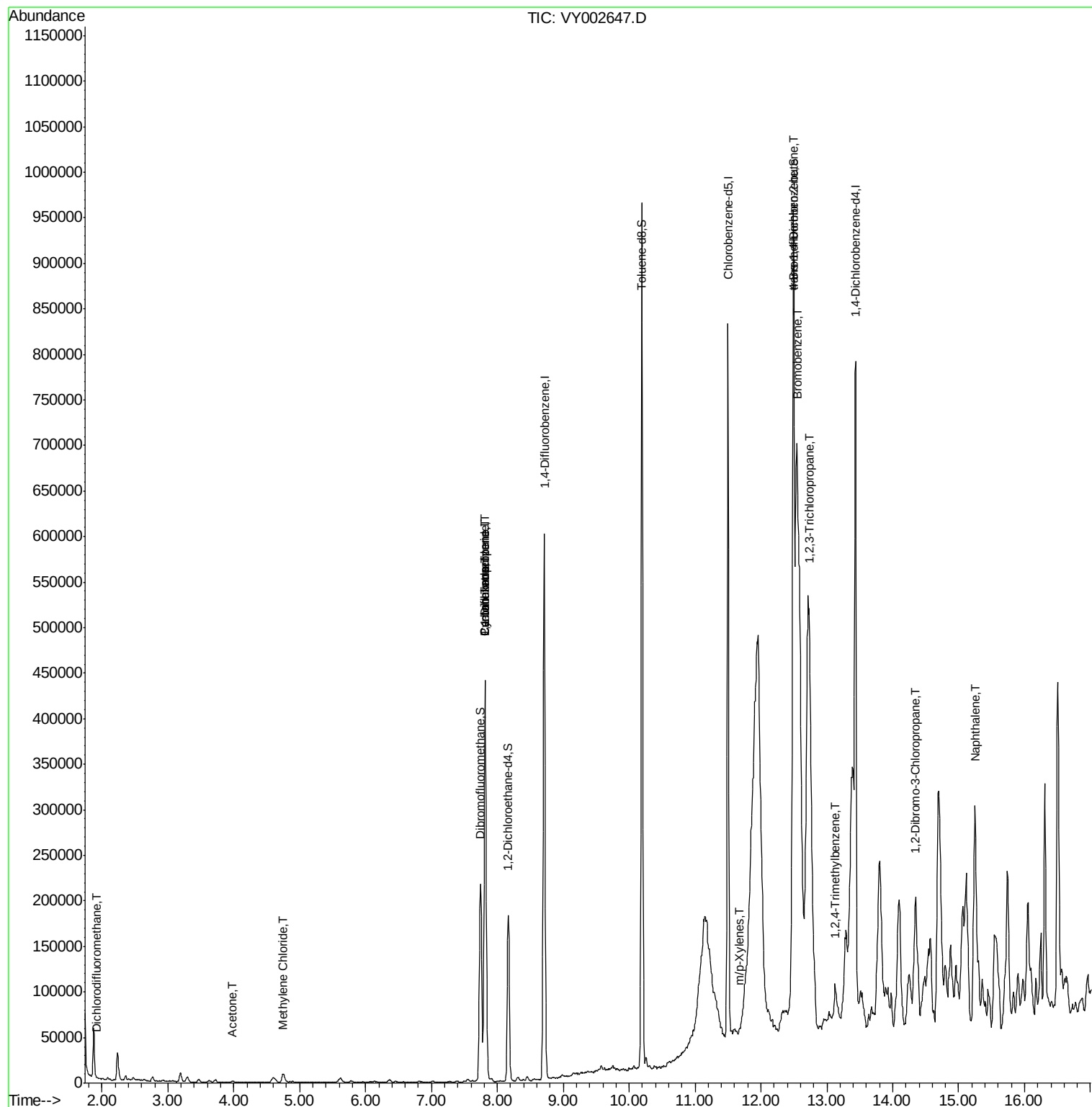
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	22	1.791	ug/l #	43
16) Acetone	3.97	43	2254	3.537	ug/l	100
20) Methylene Chloride	4.74	84	7255	2.036	ug/l	97
31) Cyclohexane	7.81	56	6459	1.164	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	23115	4.969	ug/l #	48
38) Carbon Tetrachloride	7.82	117	32641	6.426	ug/l #	16
68) m/p-Xylenes	11.66	106	16813	2.824	ug/l #	1
76) 1,2,3-Trichloropropane	12.73	75	12809	7.696	ug/l #	100
77) Bromobenzene	12.55	156	1049386	346.051	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.49	75	98306	118.441	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.13	105	11046	1.102	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.34	75	2800	7.782	ug/l #	18
95) Naphthalene	15.25	128	71891	10.599	ug/l #	78

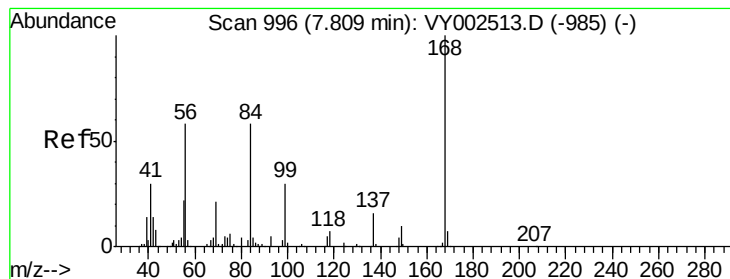
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002647.D

Acq: 08 May 2020 17:34

Instrument :

MSVOA_Y

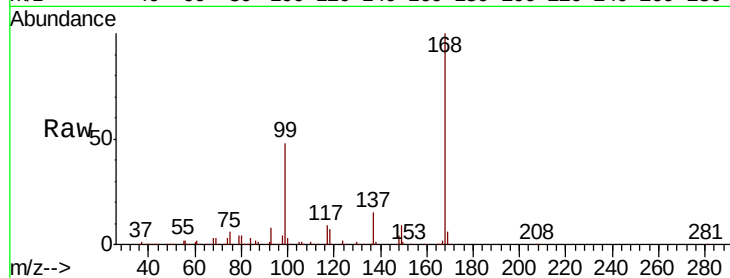
ClientSampleId :

Tot Ion:168 Resp: 367270

Ion Ratio Lower Upper

168 100

99 47.9 39.2 58.8



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

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

7.82

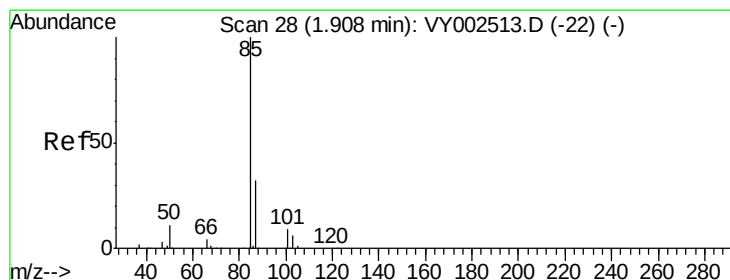
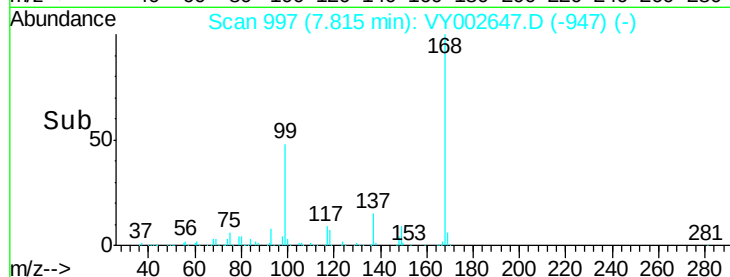
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.791 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY002647.D

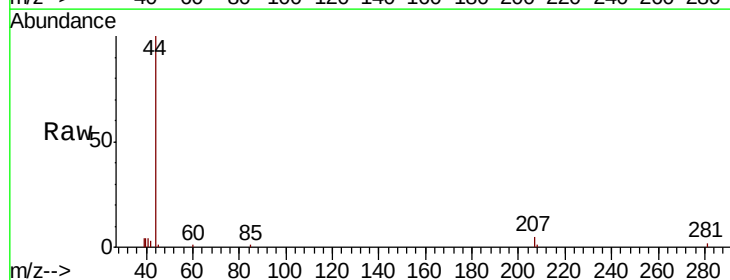
Acq: 08 May 2020 17:34

Tgt Ion: 85 Resp: 22

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

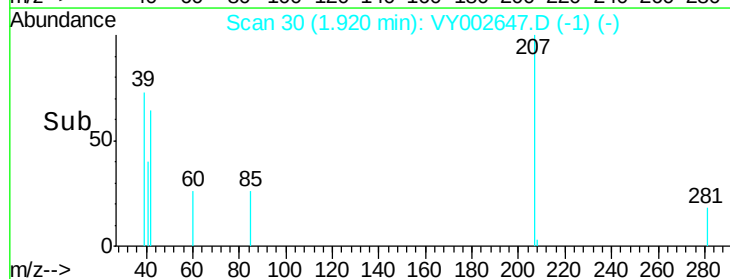
60

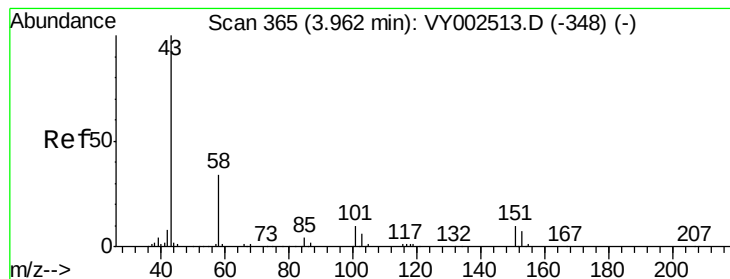
40

20

0

Time-->





#16

Acetone

Concen: 3.537 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002647.D

Acq: 08 May 2020 17:34

Instrument :

MSVOA_Y

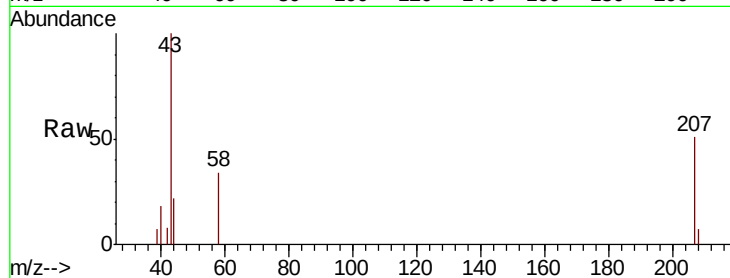
ClientSampled :

Tot Ion: 43 Resp: 2254

Ion Ratio Lower Upper

43 100

58 33.7 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.97

800

600

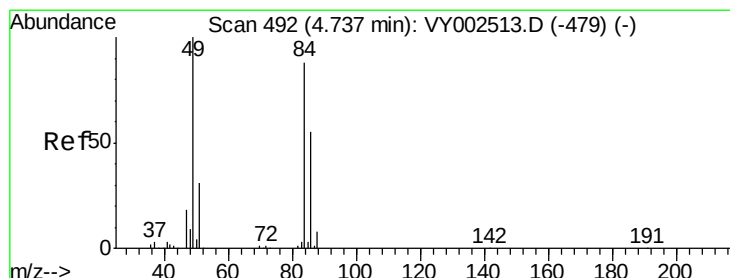
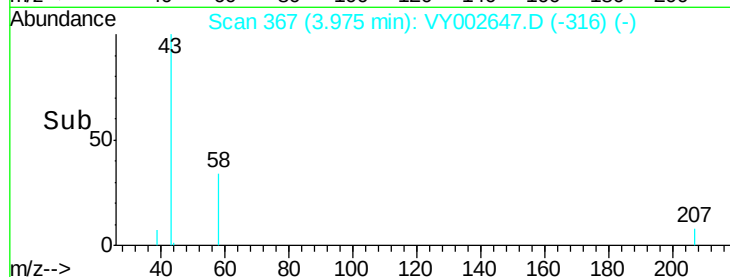
400

200

0

3.90 3.95 4.00 4.05 4.10

Time-->



#20

Methylene Chloride

Concen: 2.036 ug/l

RT: 4.74 min Scan# 493

Delta R.T. 0.01 min

Lab File: VY002647.D

Acq: 08 May 2020 17:34

Tgt Ion: 84 Resp: 7255

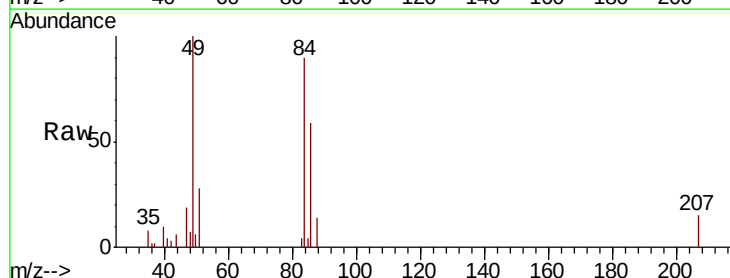
Ion Ratio Lower Upper

84 100

49 111.6 90.5 135.7

51 31.0 28.3 42.5

86 66.2 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

4000

3000

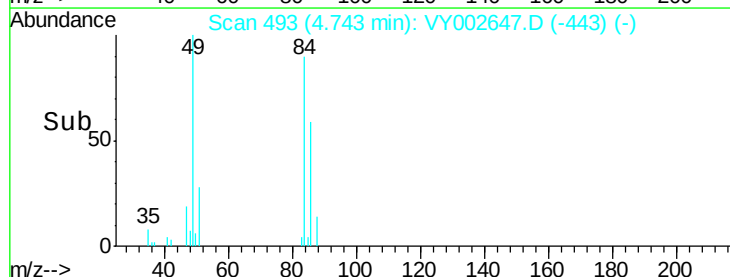
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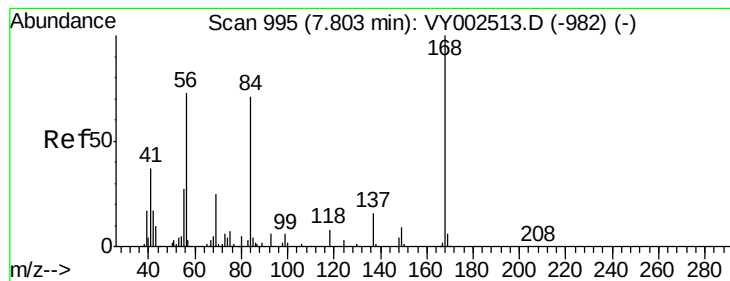
1000

0

4.65 4.70 4.75 4.80 4.85

Time-->





#31

Cyclohexane

Concen: 1.164 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002647.D

Acq: 08 May 2020 17:34

Instrument :

MSVOA_Y

ClientSampleId :

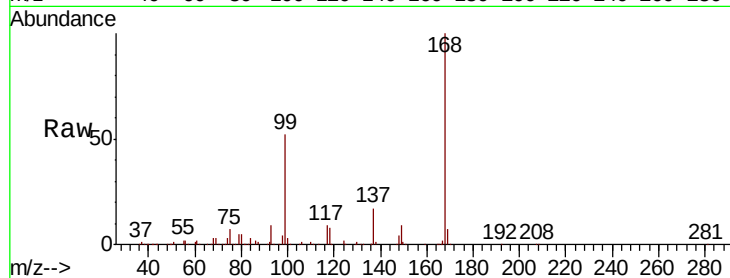
Tot Ion: 56 Resp: 6459

Ion Ratio Lower Upper

56 100

69 171.3 27.6 41.4#

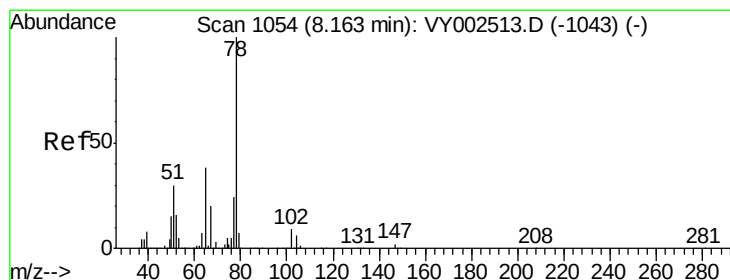
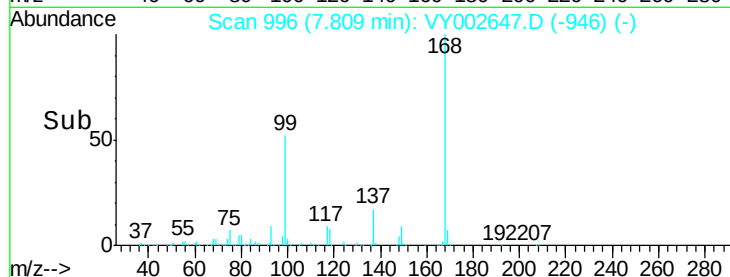
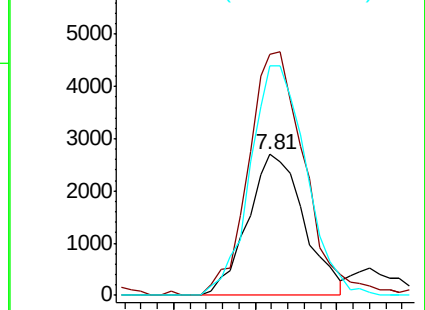
84 162.7 77.7 116.5#



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: 46.728 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY002647.D

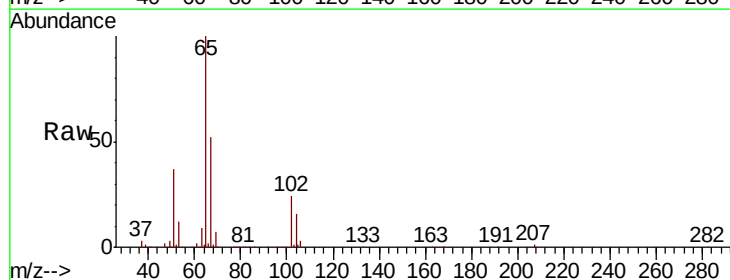
Acq: 08 May 2020 17:34

Tgt Ion: 65 Resp: 144300

Ion Ratio Lower Upper

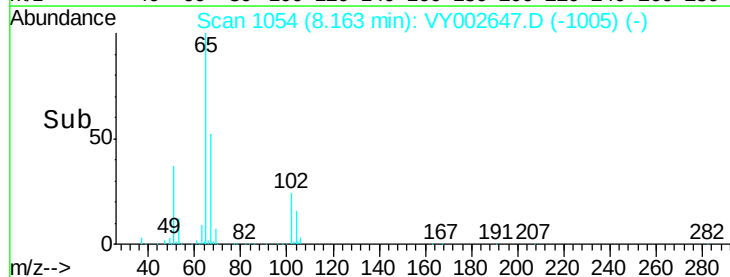
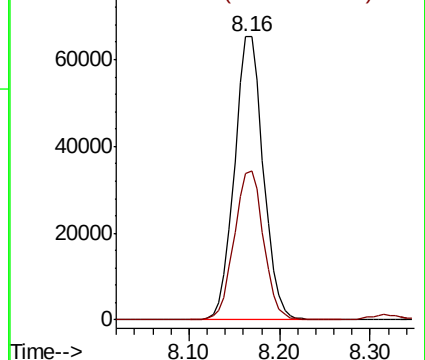
65 100

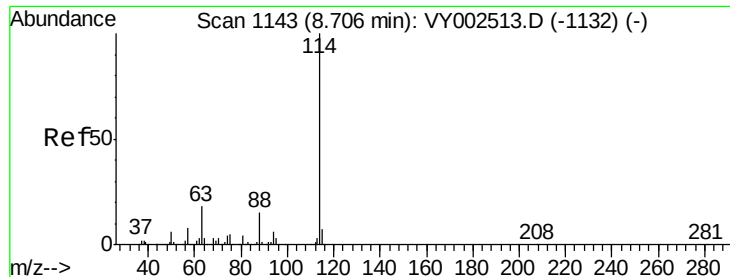
67 53.4 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

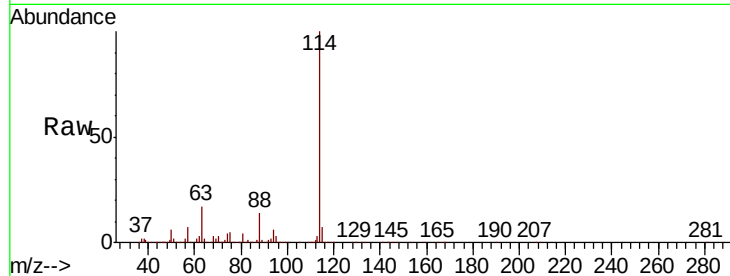




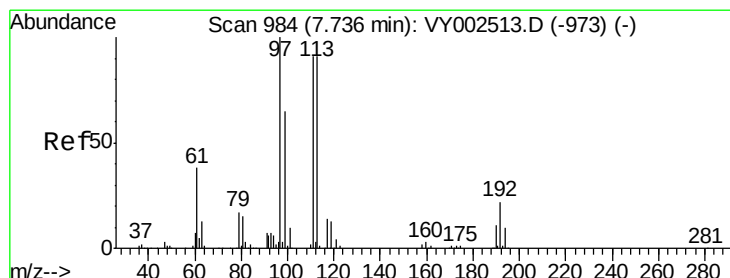
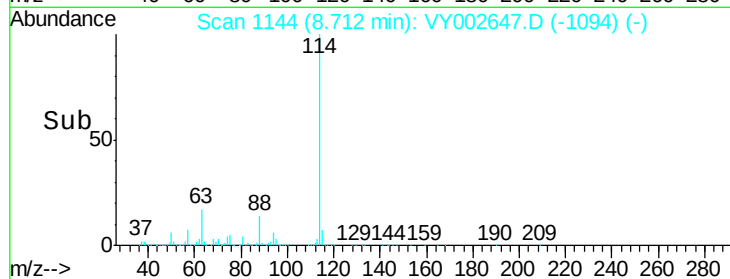
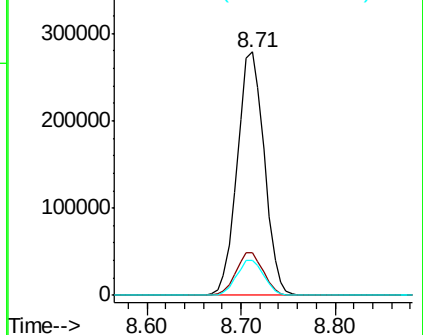
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002647.D
 Acq: 08 May 2020 17:34

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	36.4
88	14.3	0.0	29.6

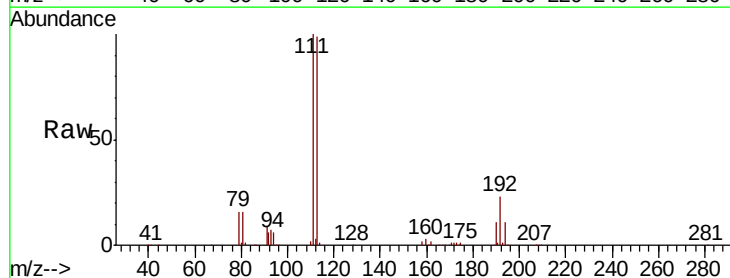


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

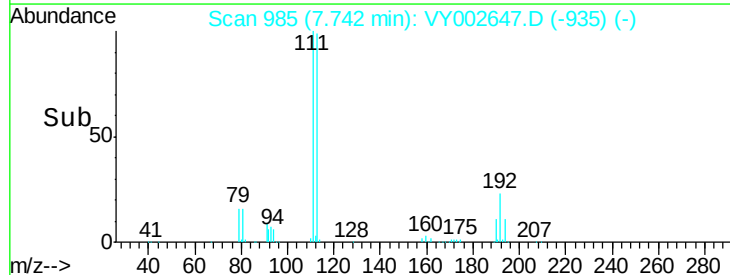
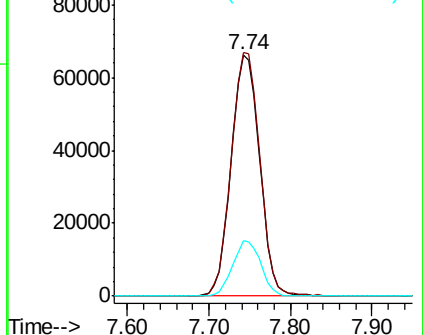


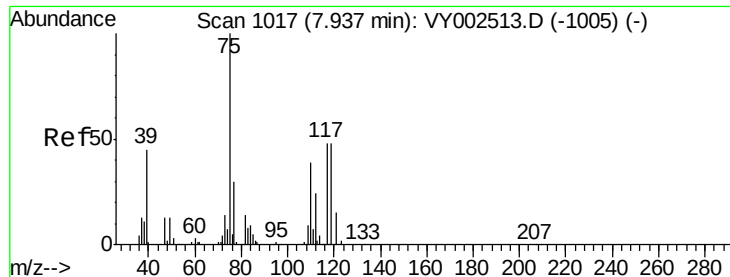
#35
 Dibromofluoromethane
 Concen: 50.195 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002647.D
 Acq: 08 May 2020 17:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	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

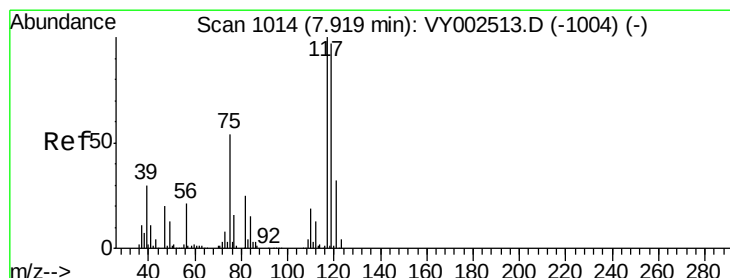
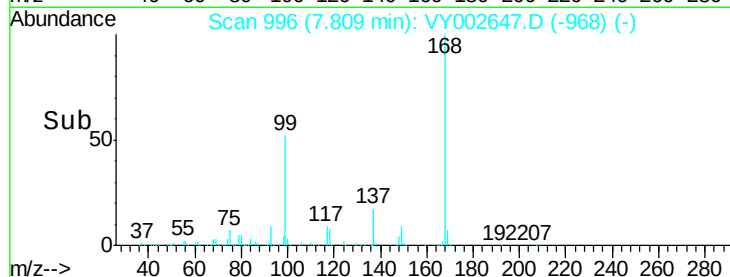
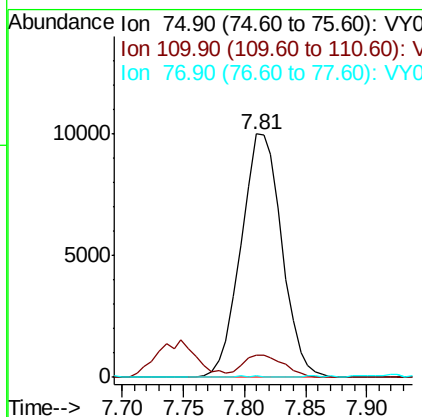
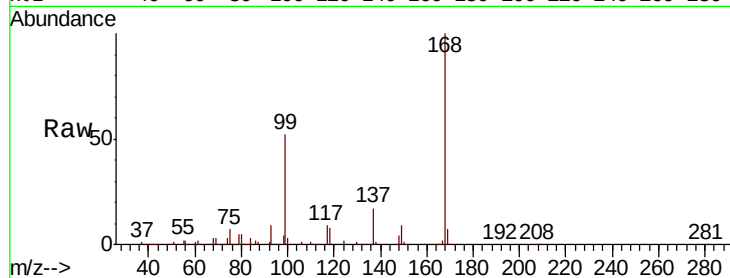




#36
 1,1-Dichloropropene
 Concen: 4.969 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY002647.D
 Acq: 08 May 2020 17:34

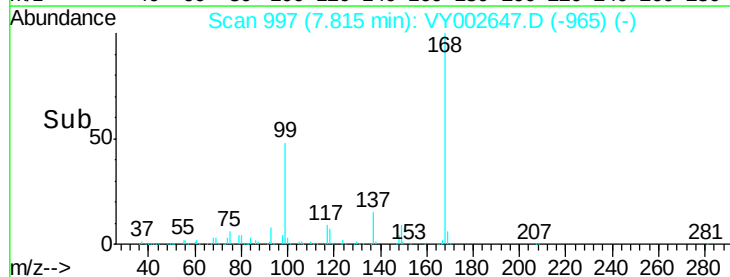
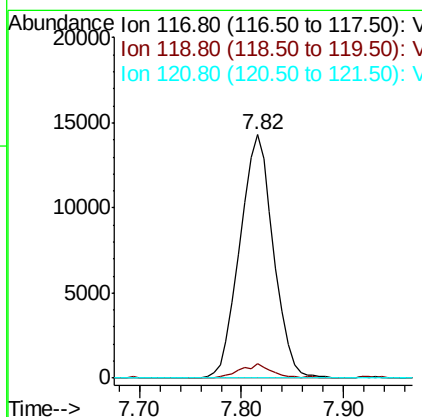
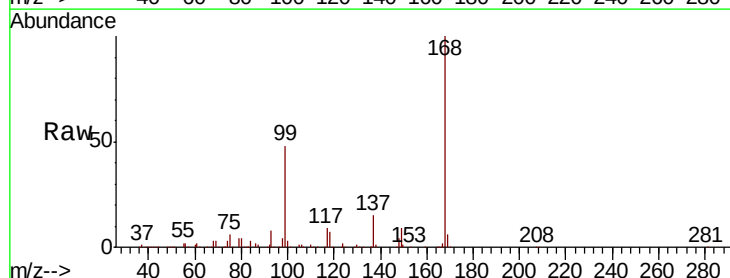
Instrument :
 MSVOA_Y
 ClientSampled :

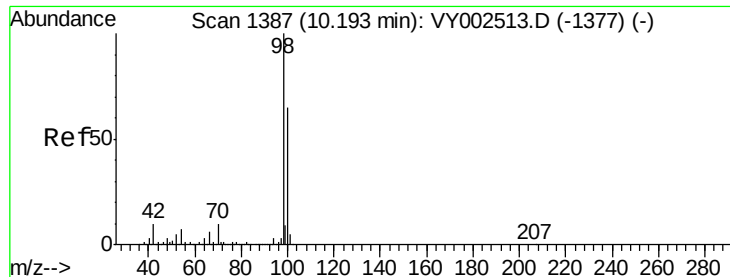
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	19.1	57.3#
77	0.1	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.426 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.10 min
 Lab File: VY002647.D
 Acq: 08 May 2020 17:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	77.1	115.7#
121	0.0	25.2	37.8#





#50

Toluene-d8

Concen: 51.577 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VY002647.D

Acq: 08 May 2020 17:34

Instrument :

MSVOA_Y

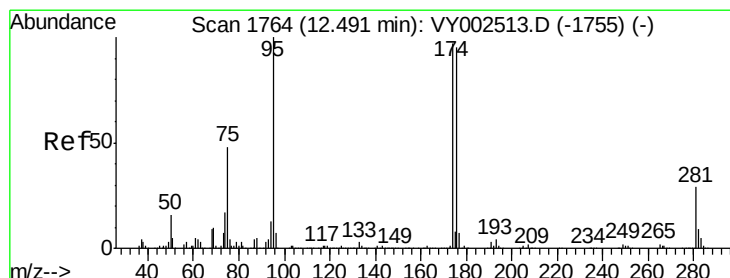
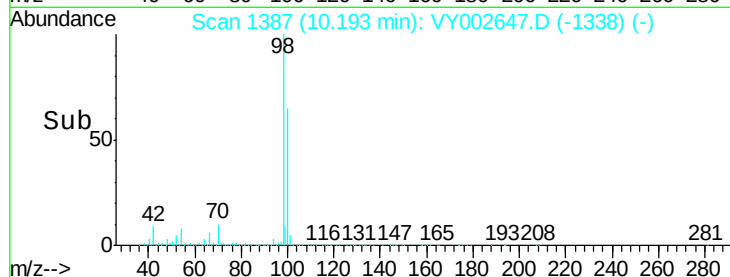
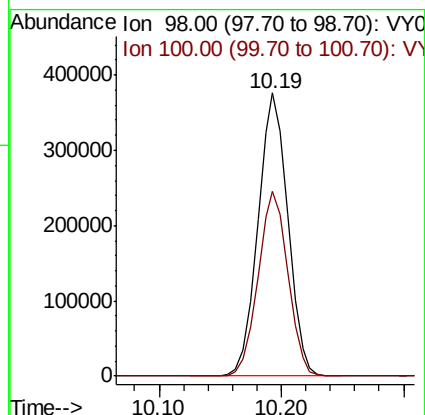
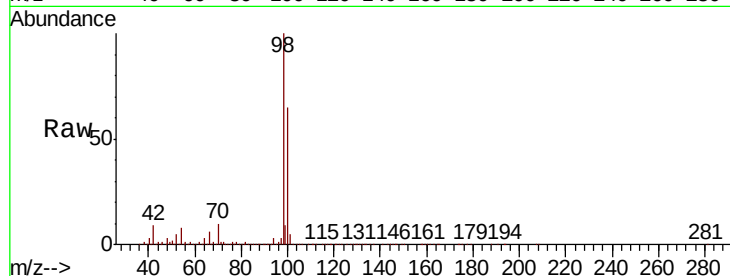
ClientSampleId :

Tot Ion: 98 Resp: 639263

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 43.061 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY002647.D

Acq: 08 May 2020 17:34

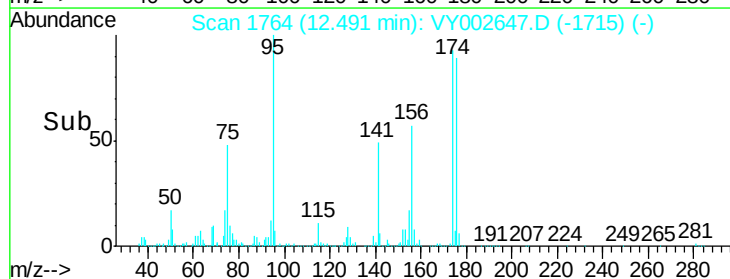
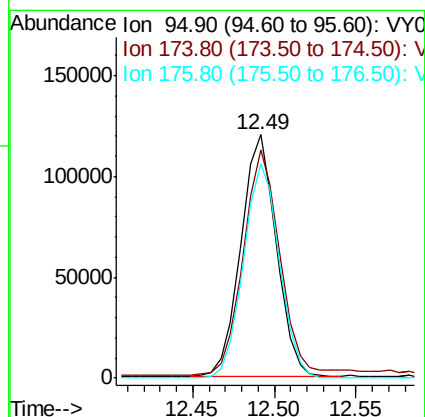
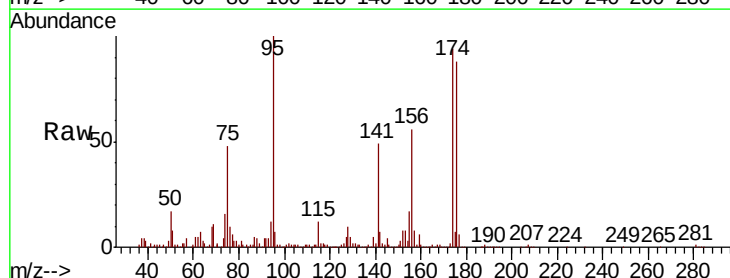
Tgt Ion: 95 Resp: 181099

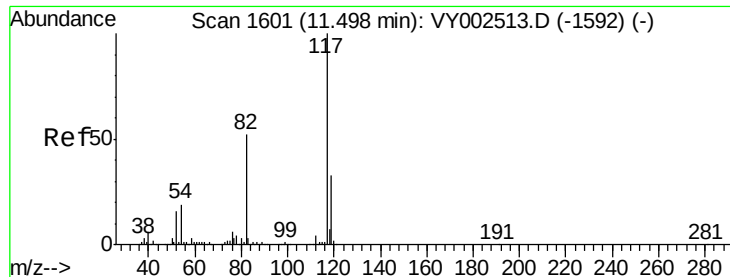
Ion Ratio Lower Upper

95 100

174 97.5 0.0 188.8

176 90.3 0.0 183.2

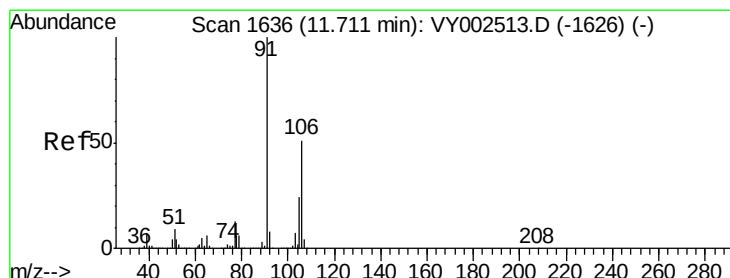
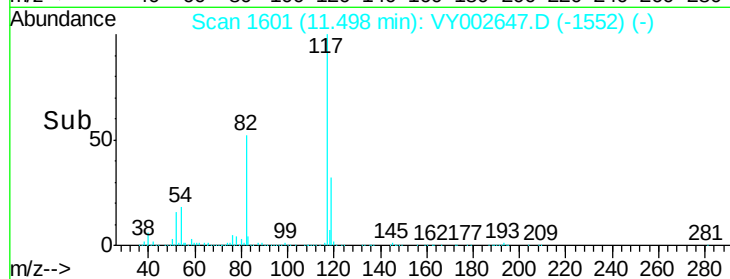
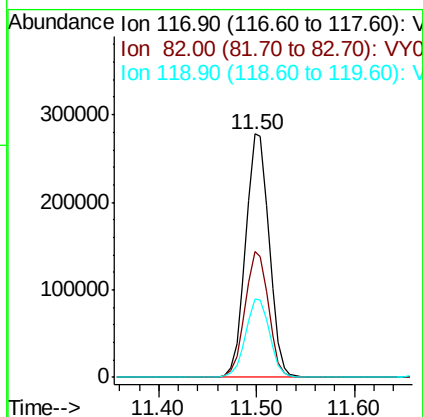
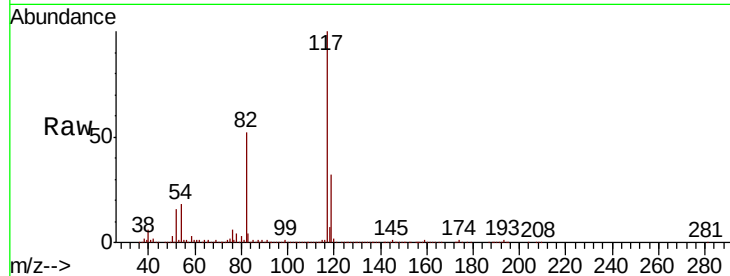




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002647.D
Acq: 08 May 2020 17:34

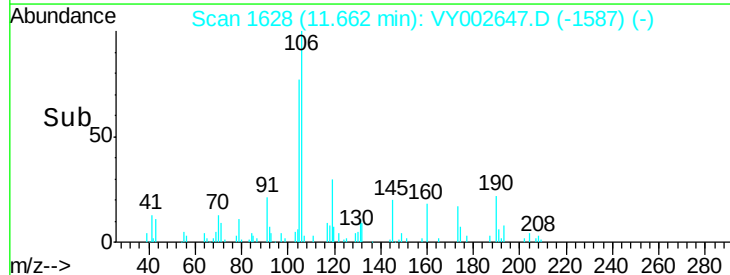
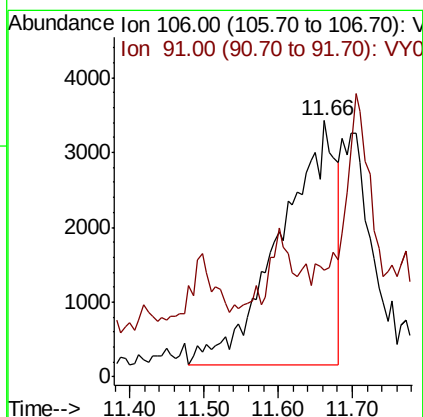
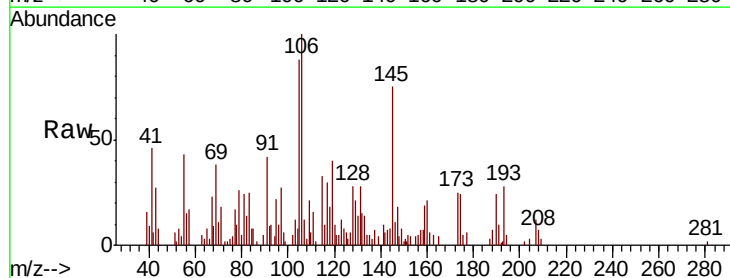
Instrument :
MSVOA_Y
ClientSampleId :

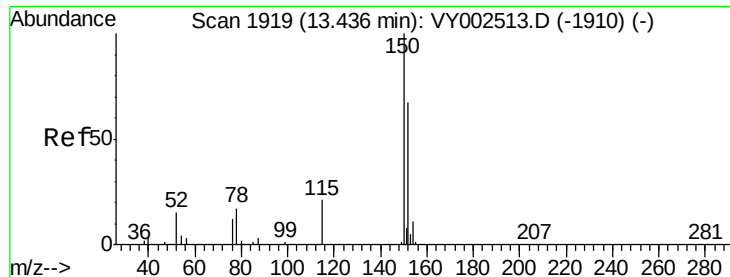
Tot Ion:117 Resp: 460807
Ion Ratio Lower Upper
117 100
82 51.5 41.3 61.9
119 31.8 26.0 39.0



#68
m/p-Xylenes
Concen: 2.824 ug/l
RT: 11.66 min Scan# 1628
Delta R.T. -0.05 min
Lab File: VY002647.D
Acq: 08 May 2020 17:34

Tgt Ion:106 Resp: 16813
Ion Ratio Lower Upper
106 100
91 0.0 155.2 232.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY002647.D

Acq: 08 May 2020 17:34

Instrument :

MSVOA_Y

ClientSampleId :

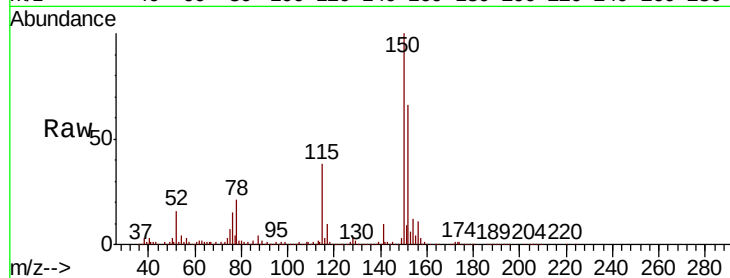
Tot Ion:152 Resp: 187281

Ion Ratio Lower Upper

152 100

115 61.8 27.5 82.4

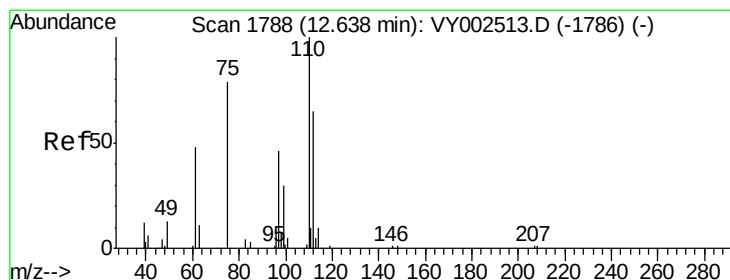
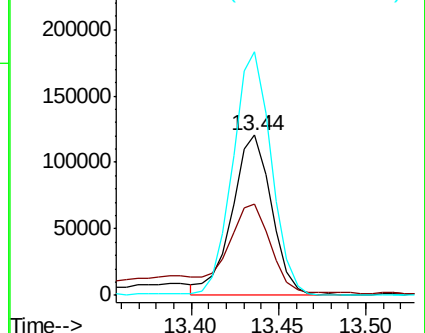
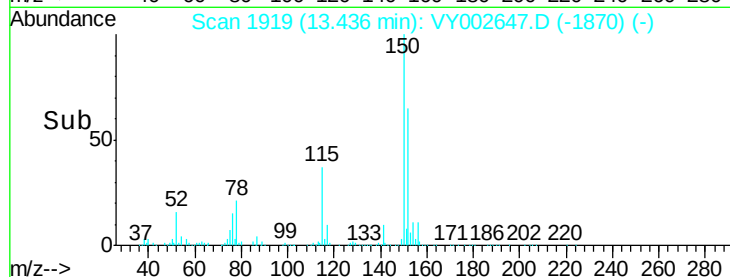
150 149.4 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 7.696 ug/l

RT: 12.73 min Scan# 1803

Delta R.T. 0.09 min

Lab File: VY002647.D

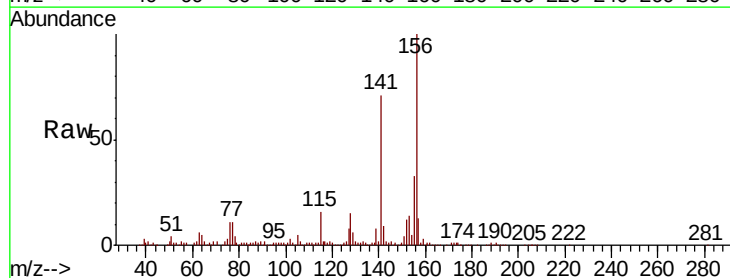
Acq: 08 May 2020 17:34

Tgt Ion: 75 Resp: 12809

Ion Ratio Lower Upper

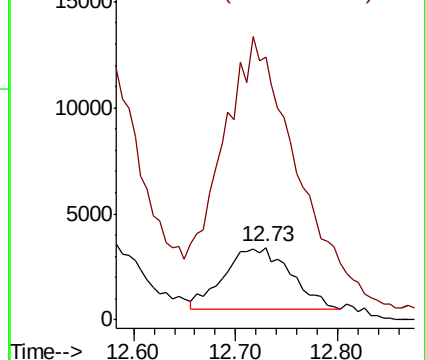
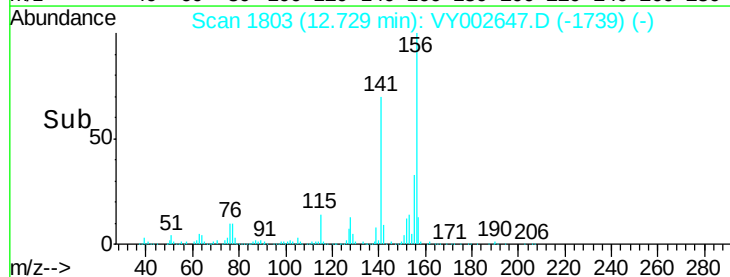
75 100

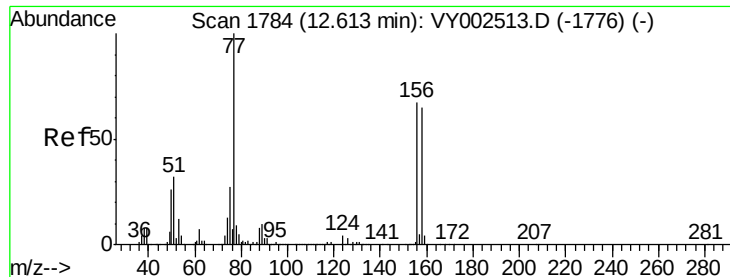
77 522.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 346.051 ug/l

RT: 12.55 min Scan# 1773

Delta R.T. -0.07 min

Lab File: VY002647.D

Acq: 08 May 2020 17:34

Instrument :

MSVOA_Y

ClientSampleId :

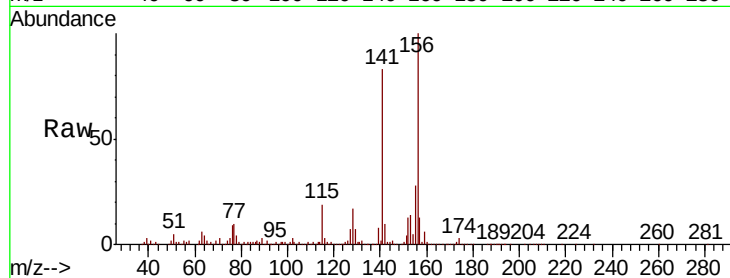
Tot Ion:156 Resp: 1049386

Ion Ratio Lower Upper

156 100

77 9.0 82.0 245.8#

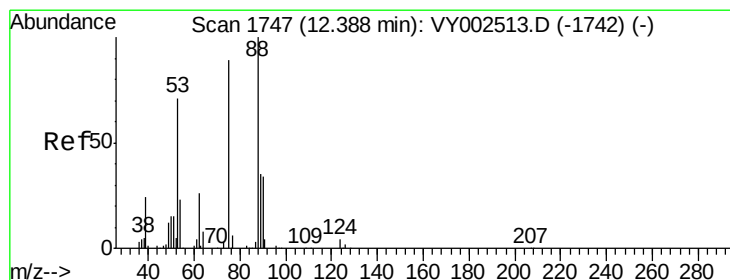
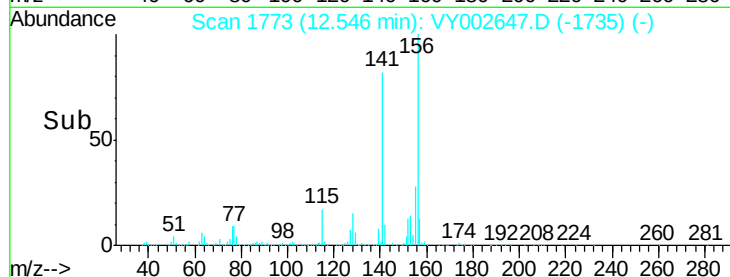
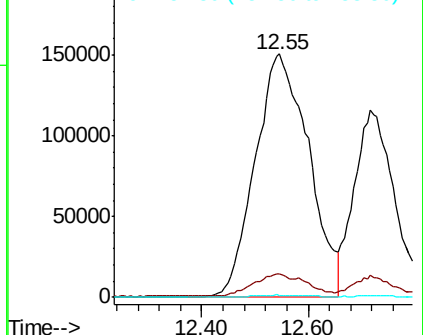
158 0.2 48.5 145.6#



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: 118.441 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002647.D

Acq: 08 May 2020 17:34

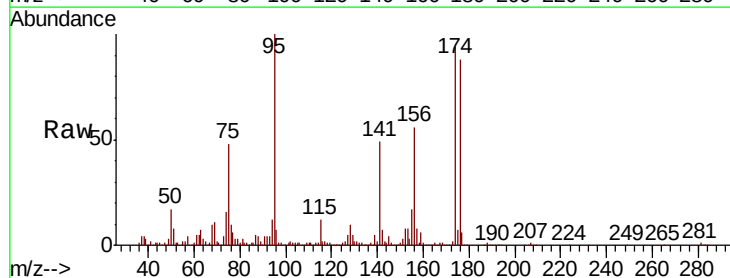
Tgt Ion: 75 Resp: 98306

Ion Ratio Lower Upper

75 100

53 1.5 67.4 101.0#

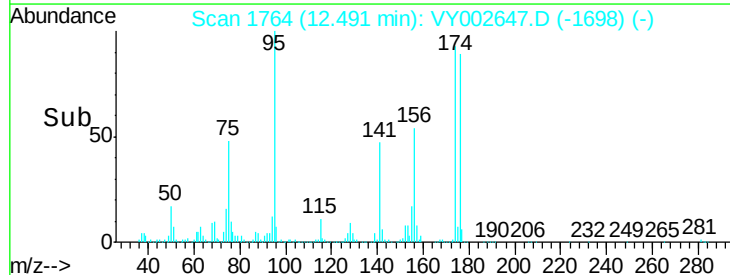
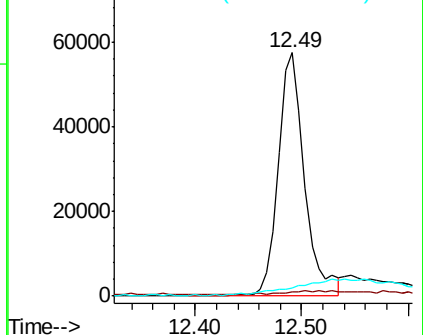
89 0.0 37.4 56.0#

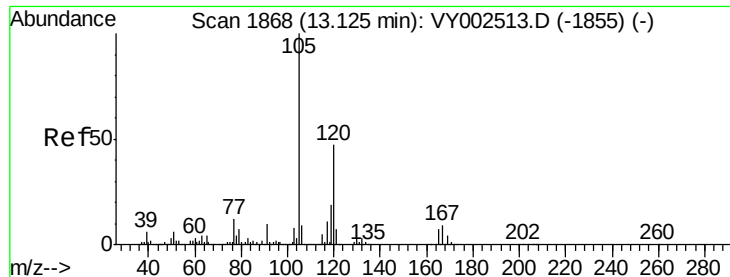


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

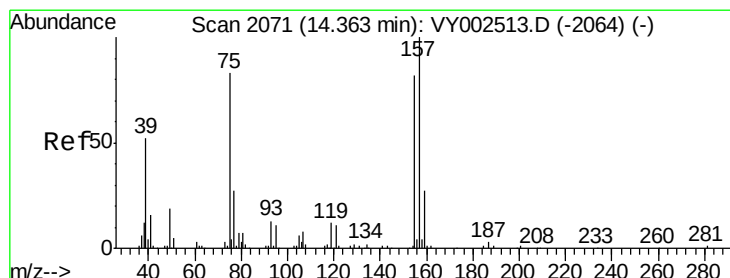
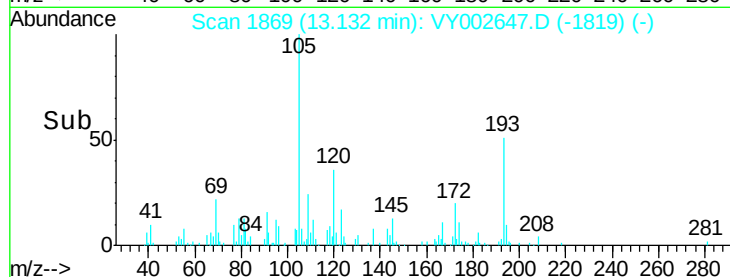
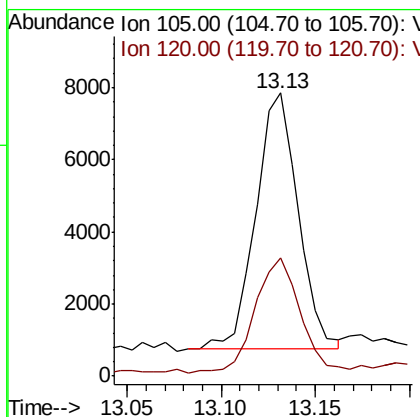
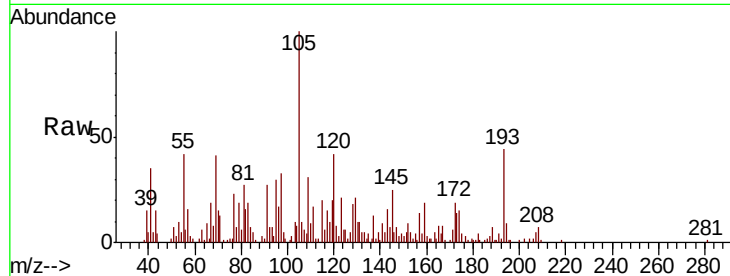




#84
 1,2,4-Trimethylbenzene
 Concen: 1.102 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY002647.D
 Acq: 08 May 2020 17:34

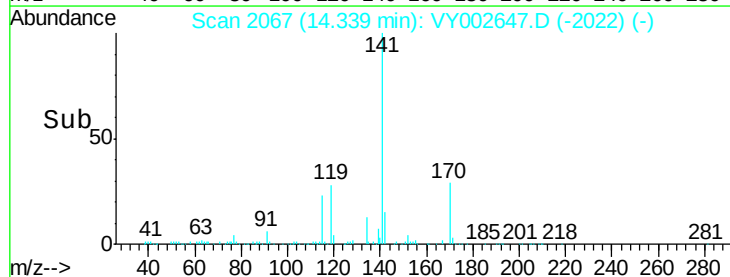
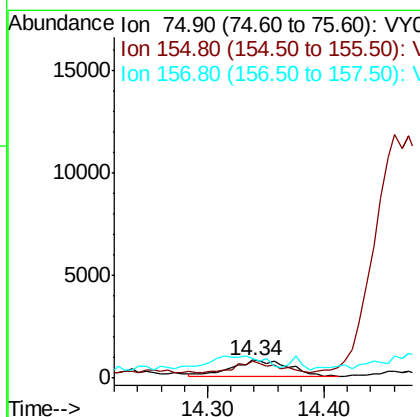
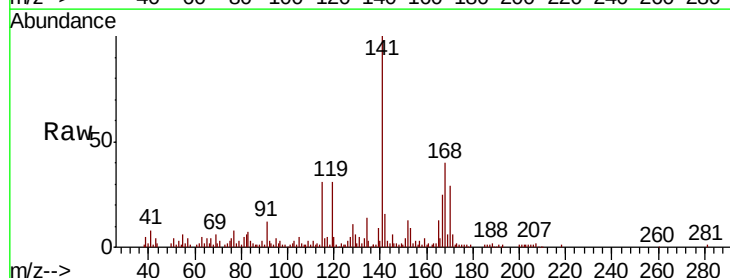
Instrument :
 MSVOA_Y
 ClientSampled :

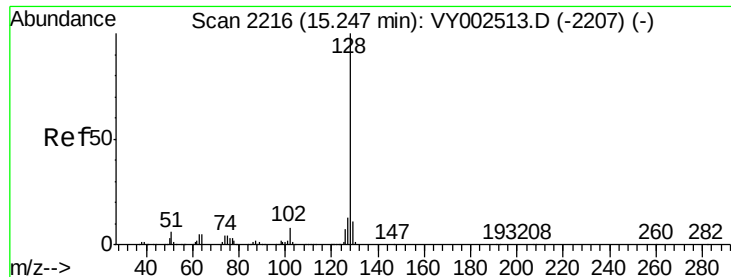
Tot Ion:105 Resp: 11046
 Ion Ratio Lower Upper
 105 100
 120 48.8 23.4 70.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 7.782 ug/l
 RT: 14.34 min Scan# 2067
 Delta R.T. -0.02 min
 Lab File: VY002647.D
 Acq: 08 May 2020 17:34

Tgt Ion: 75 Resp: 2800
 Ion Ratio Lower Upper
 75 100
 155 58.3 51.3 153.9
 157 0.0 65.0 195.0#





#95

Naphthalene

Concen: 10.599 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.00 min

Lab File: VY002647.D

Acq: 08 May 2020 17:34

Instrument :

MSVOA_Y

ClientSampleId :

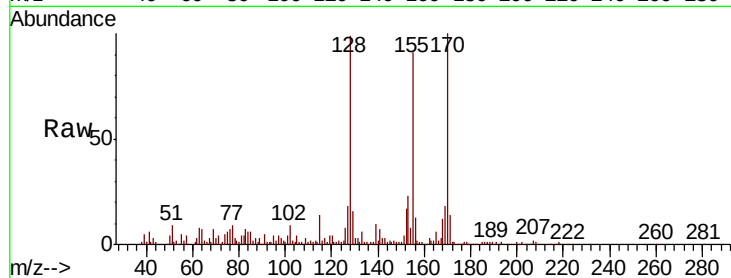
Tot Ion:128 Resp: 71891

Ion Ratio Lower Upper

128 100

127 22.0 10.5 15.7#

129 19.3 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

