

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000285.D
 Acq On : 11 Oct 2019 20:53
 Operator : SY/MD
 Sample : K5323-01
 Misc : 7.25G/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 14 07:39:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 07:29:17 2019
 Response via : Initial Calibration

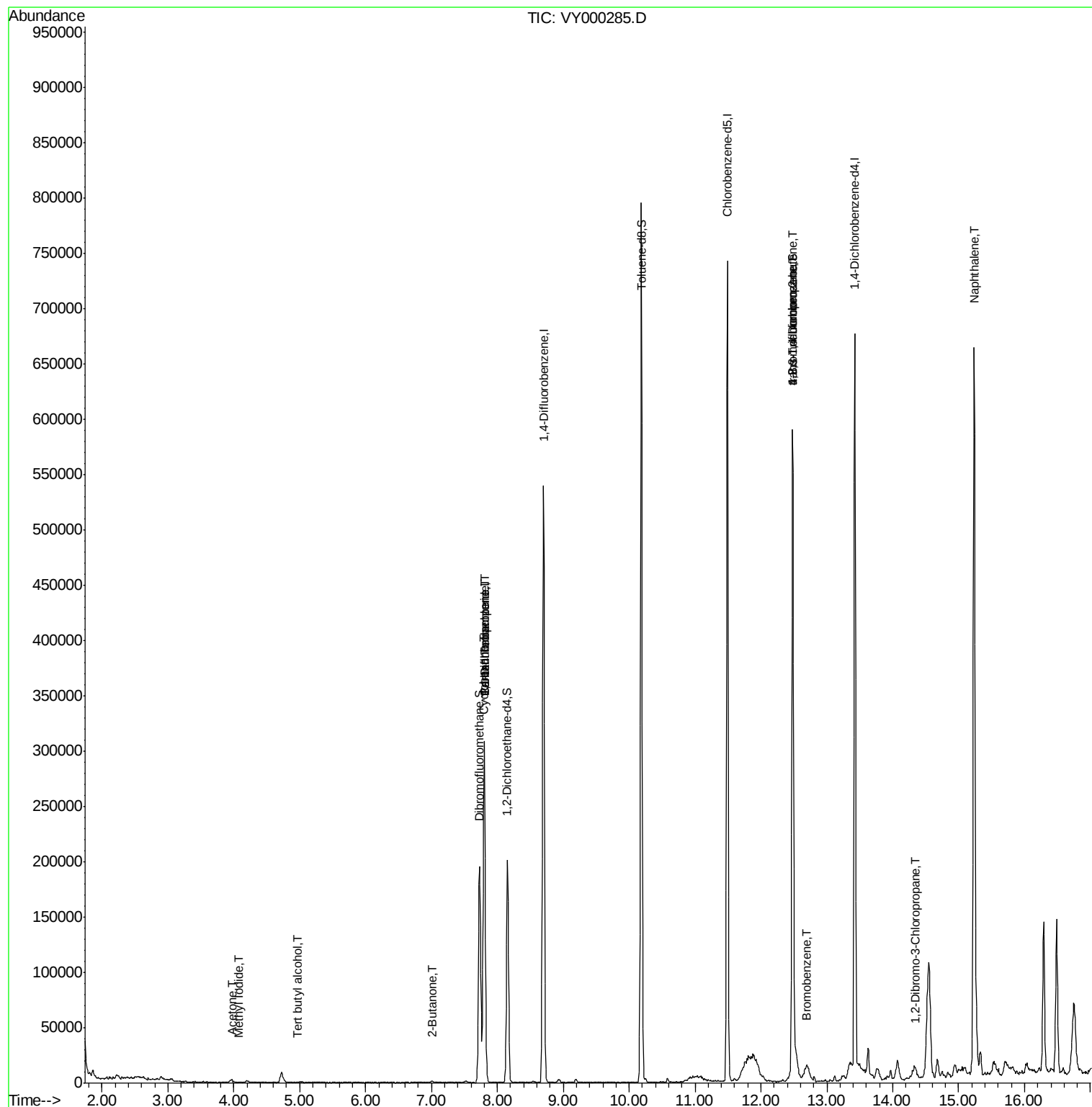
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	235349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	448149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	385269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	158361	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	153362	61.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.56%	
35) Dibromofluoromethane	7.73	113	134103	49.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.22%	
50) Toluene-d8	10.19	98	524058	50.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.48	95	172399	43.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	159	Below Cal	#	41
5) Bromomethane	2.67	94	76	Below Cal	#	3
10) Methyl Iodide	4.07	142	19	1.191	ug/l #	41
11) Tert butyl alcohol	4.97	59	530	2.040	ug/l	95
16) Acetone	3.97	43	5170	6.431	ug/l	100
20) Methylene Chloride	4.72	84	6563	Below Cal	#	80
25) 2-Butanone	7.01	43	1704	1.505	ug/l #	85
31) Cyclohexane	7.79	56	5808	1.223	ug/l #	41
36) 1,1-Dichloropropene	7.80	75	18920	4.312	ug/l #	48
38) Carbon Tetrachloride	7.80	117	23766	5.594	ug/l #	19
76) 1,2,3-Trichloropropane	12.48	75	92031	47.261	ug/l #	100
77) Bromobenzene	12.69	156	11891	4.328	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	92031	103.405	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.34	75	467	1.062	ug/l #	1
95) Naphthalene	15.23	128	434180	57.037	ug/l	99

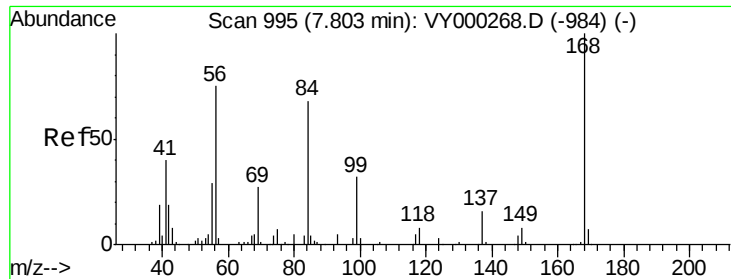
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000285.D

Acq: 11 Oct 2019 20:53

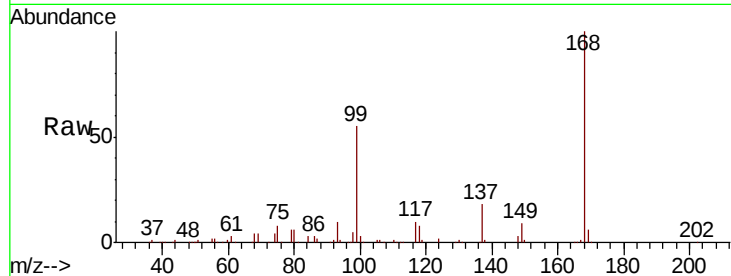
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 235349

Ion Ratio Lower Upper

168 100

99 54.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000268.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000268.D (-984) (-)

7.80

100000

80000

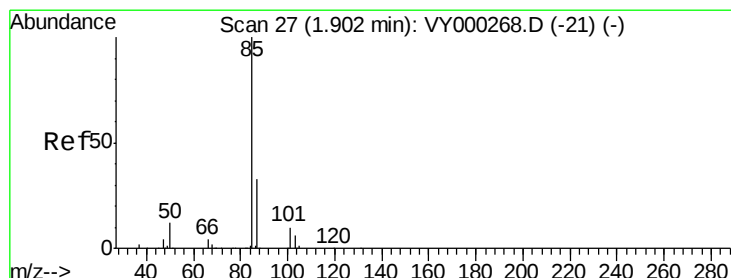
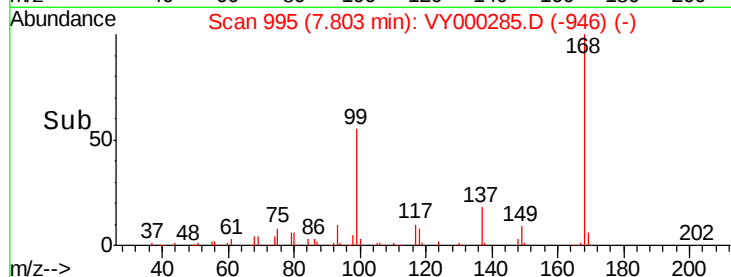
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000285.D

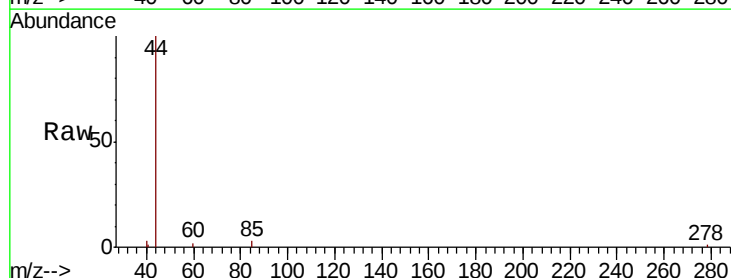
Acq: 11 Oct 2019 20:53

Tgt Ion: 85 Resp: 159

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000268.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY000268.D (-21) (-)

1.90

200

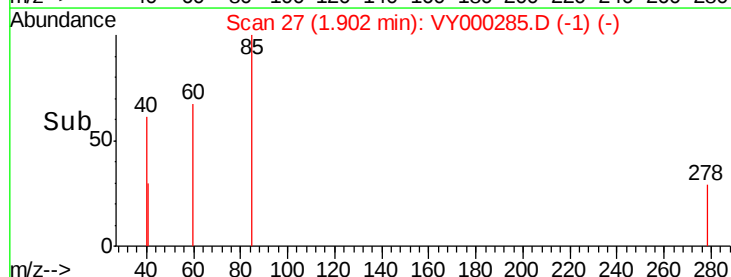
150

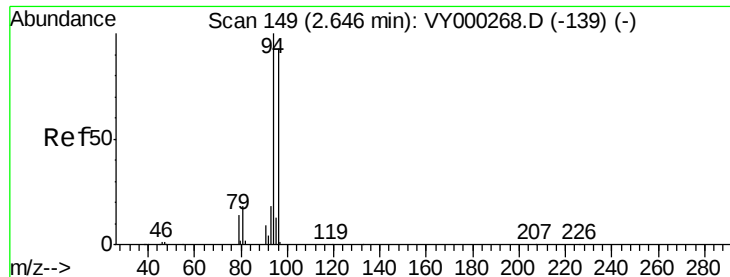
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.67 min Scan# 153

Delta R.T. 0.03 min

Lab File: VY000285.D

Acq: 11 Oct 2019 20:53

Instrument :

MSVOA_Y

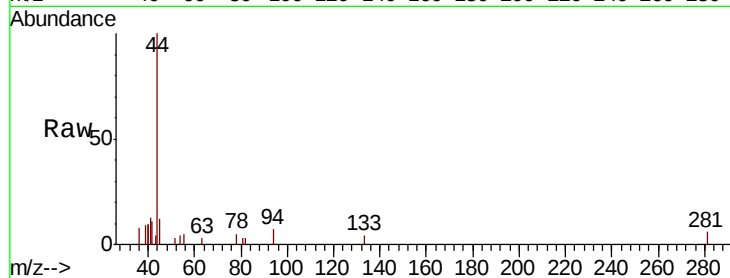
ClientSampleId :

Tot Ion: 94 Resp: 76

Ion Ratio Lower Upper

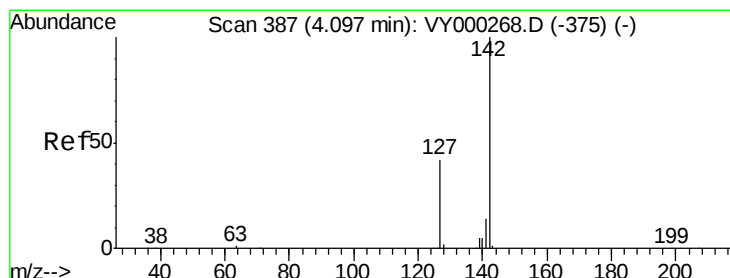
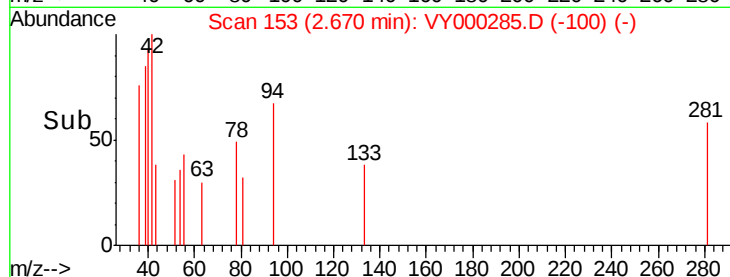
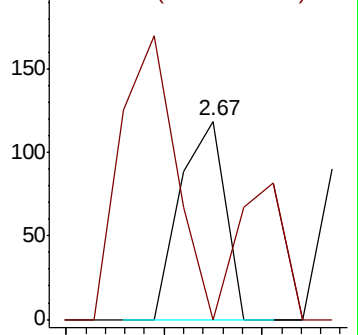
94 100

96 0.0 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#10

Methyl Iodide

Concen: 1.191 ug/l

RT: 4.07 min Scan# 383

Delta R.T. -0.02 min

Lab File: VY000285.D

Acq: 11 Oct 2019 20:53

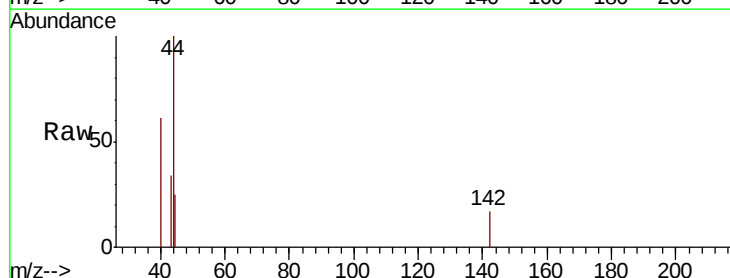
Tgt Ion: 142 Resp: 19

Ion Ratio Lower Upper

142 100

127 0.0 33.9 50.9#

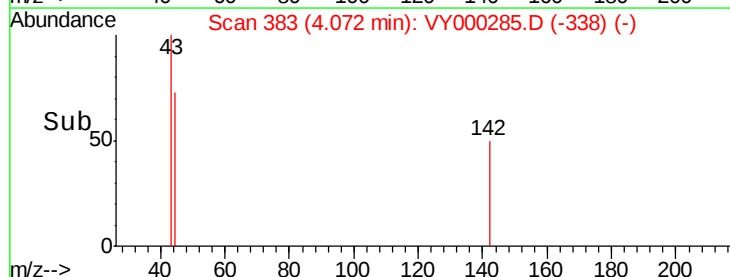
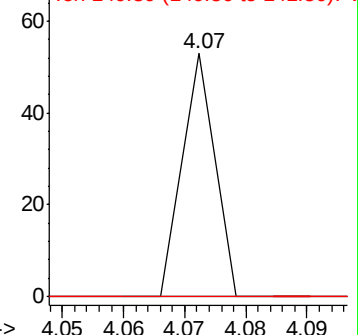
141 0.0 11.2 16.8#

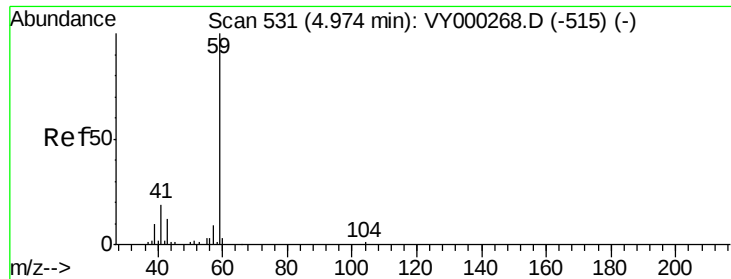


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

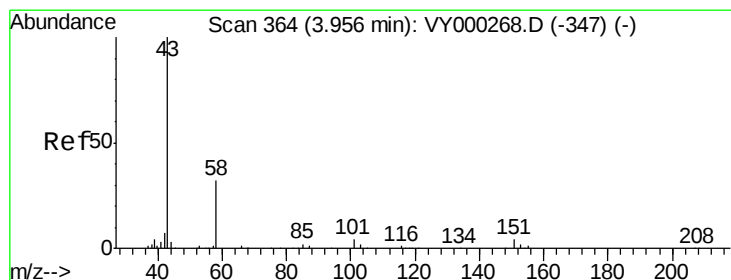
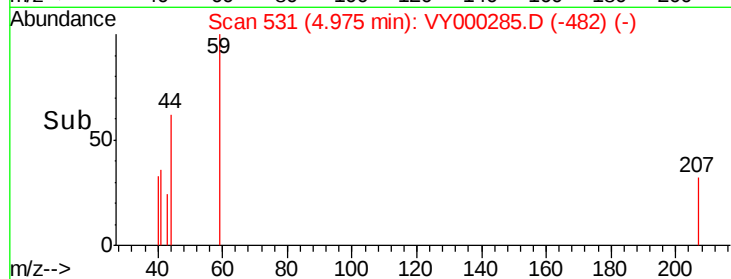
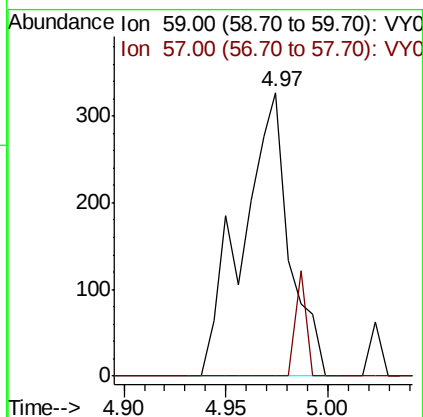
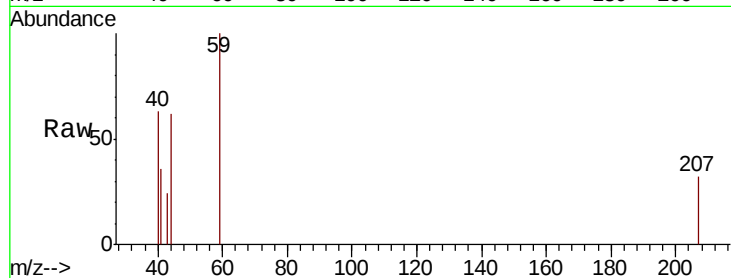




#11
Tert butyl alcohol
Concen: 2.040 ug/l
RT: 4.97 min Scan# 531
Delta R.T. 0.00 min
Lab File: VY000285.D
Acq: 11 Oct 2019 20:53

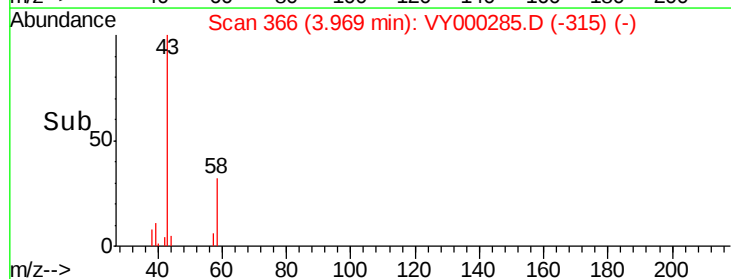
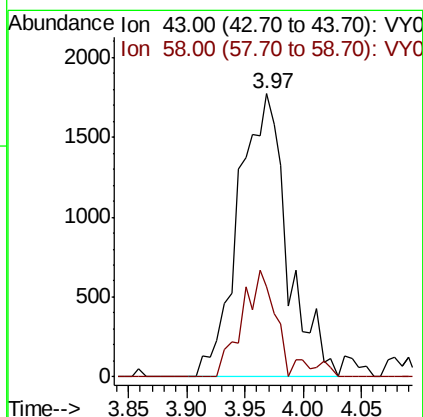
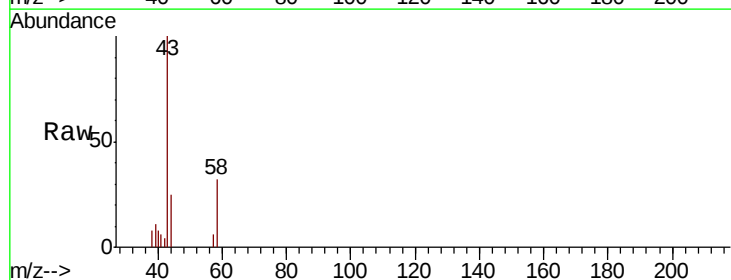
Instrument :
MSVOA_Y
ClientSampleId :

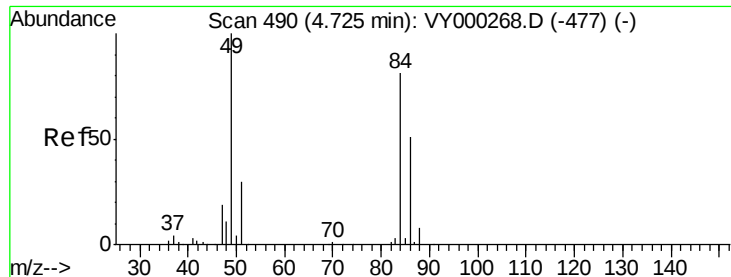
Tot Ion: 59 Resp: 530
Ion Ratio Lower Upper
59 100
57 8.3 8.2 12.2



#16
Acetone
Concen: 6.431 ug/l
RT: 3.97 min Scan# 366
Delta R.T. 0.01 min
Lab File: VY000285.D
Acq: 11 Oct 2019 20:53

Tgt Ion: 43 Resp: 5170
Ion Ratio Lower Upper
43 100
58 32.0 25.8 38.6

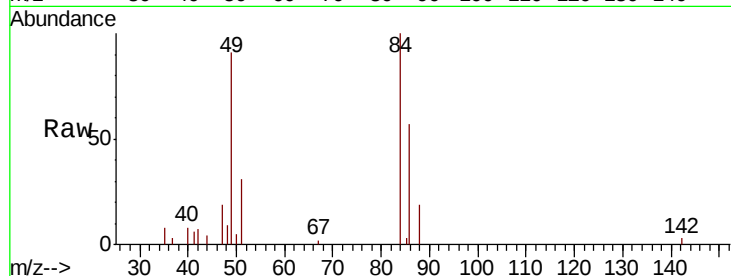




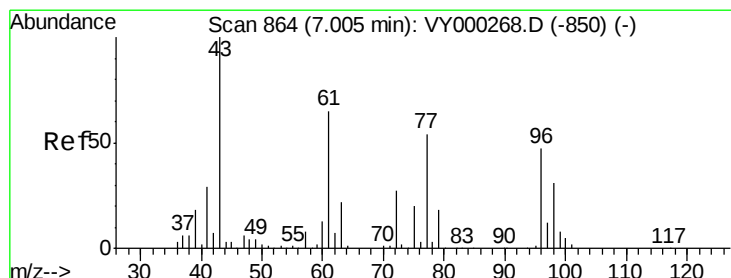
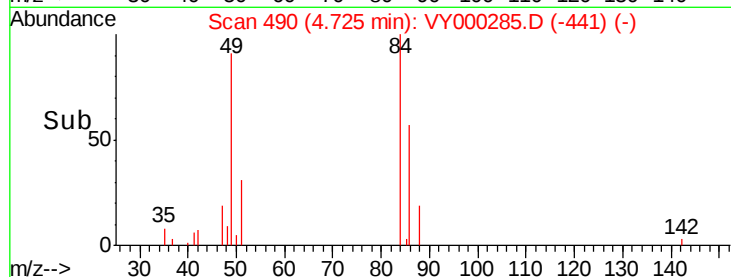
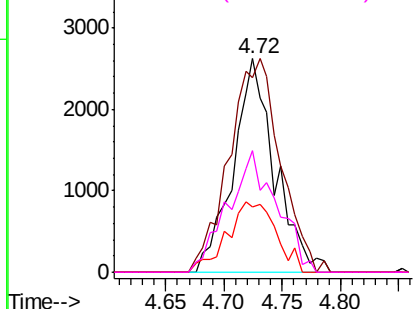
#20
Methylene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000285.D
Acq: 11 Oct 2019 20:53

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 6563
Ion Ratio Lower Upper
84 100
49 90.9 99.0 148.4#
51 30.8 29.3 43.9
86 56.9 50.2 75.4

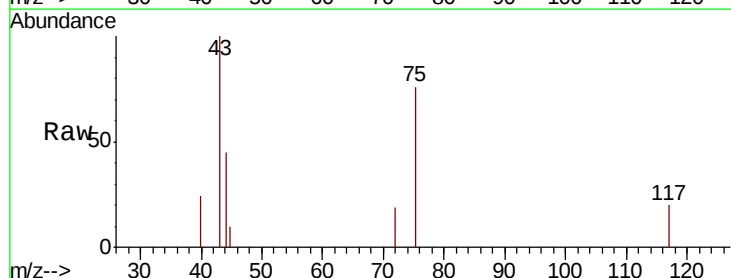


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

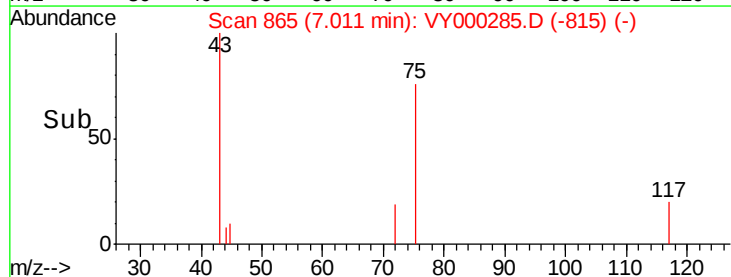
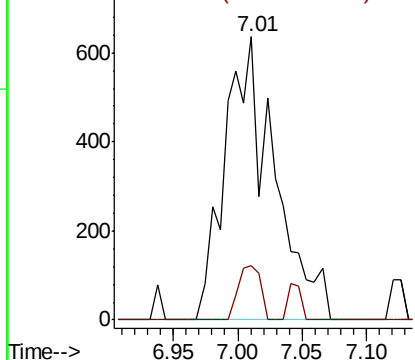


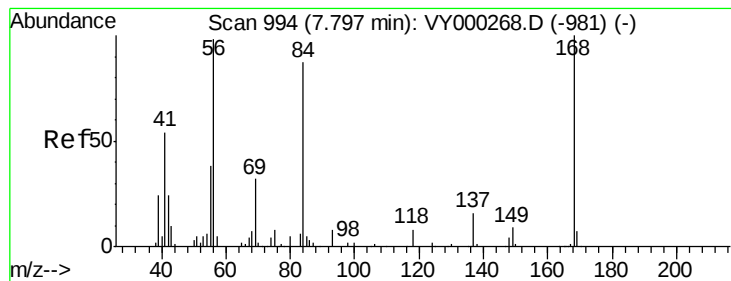
#25
2-Butanone
Concen: 1.505 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY000285.D
Acq: 11 Oct 2019 20:53

Tgt Ion: 43 Resp: 1704
Ion Ratio Lower Upper
43 100
72 19.2 21.4 32.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0





#31

Cyclohexane

Concen: 1.223 ug/l

RT: 7.79 min Scan# 993

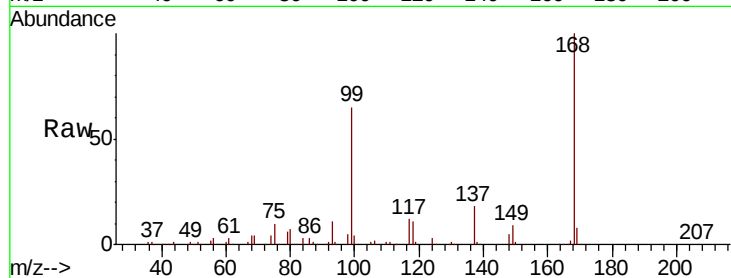
Delta R.T. -0.01 min

Lab File: VY000285.D

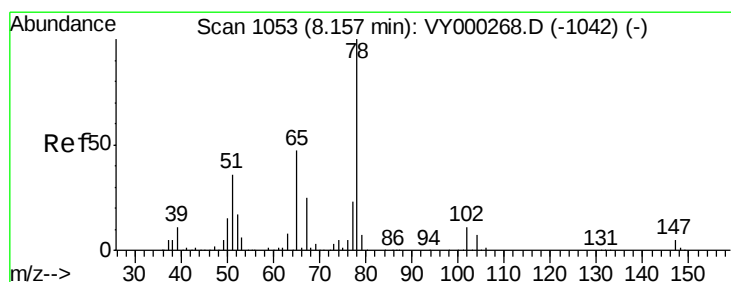
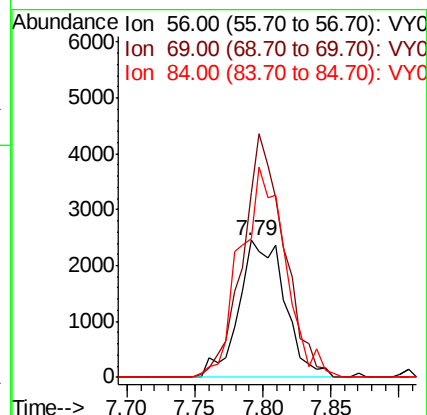
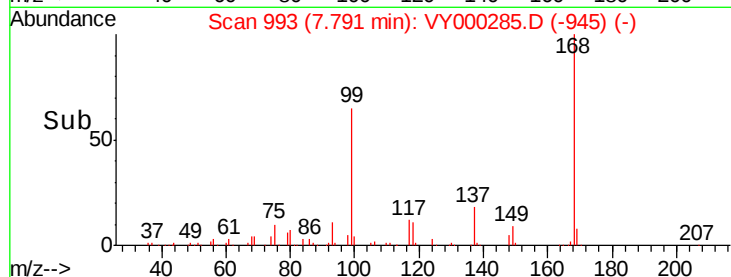
Acq: 11 Oct 2019 20:53

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 5808
Ion Ratio Lower Upper
56 100
69 134.5 26.3 39.5#
84 101.3 70.8 106.2



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: 61.776 ug/l

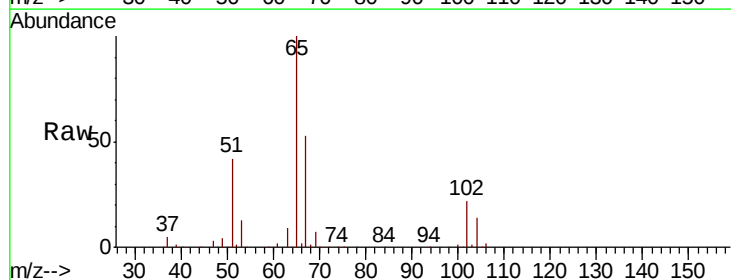
RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

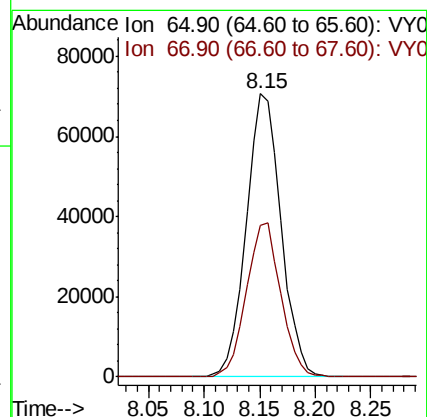
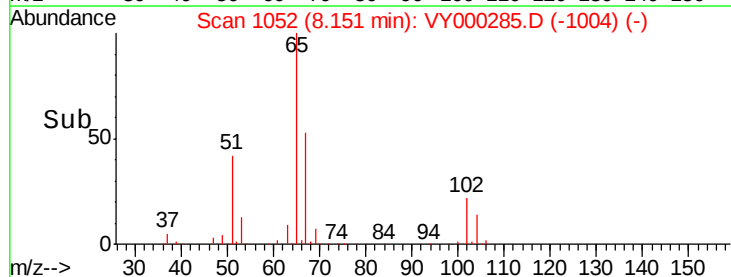
Lab File: VY000285.D

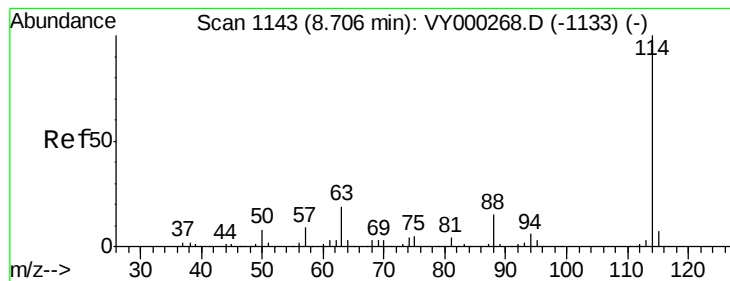
Acq: 11 Oct 2019 20:53

Tgt Ion: 65 Resp: 153362
Ion Ratio Lower Upper
65 100
67 53.8 0.0 109.4



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: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000285.D

Acq: 11 Oct 2019 20:53

Instrument :

MSVOA_Y

ClientSampleId :

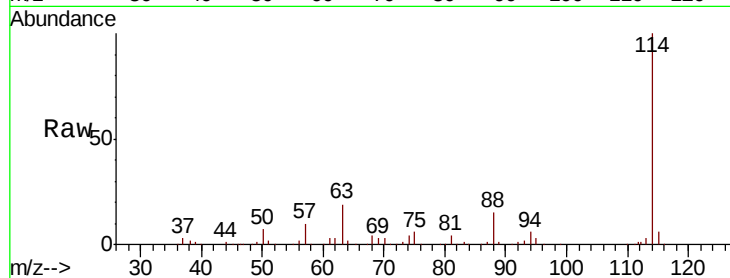
Tot Ion:114 Resp: 448149

Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.2

88 14.5 0.0 30.2

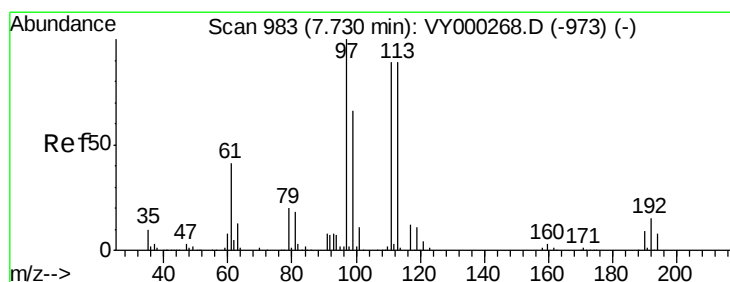
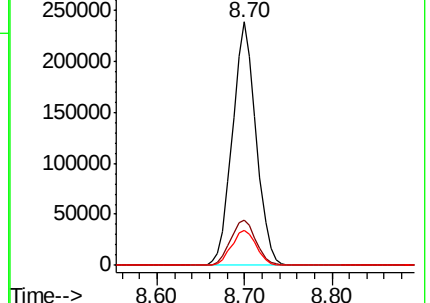
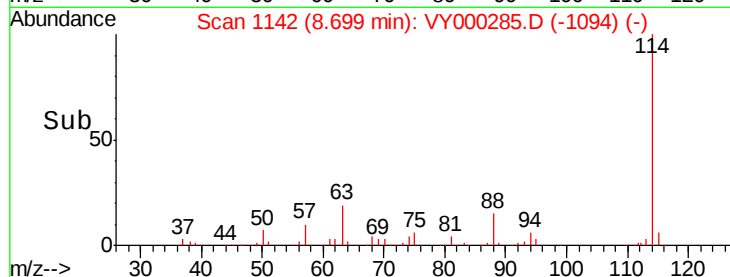


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

8.70



#35

Dibromofluoromethane

Concen: 49.608 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000285.D

Acq: 11 Oct 2019 20:53

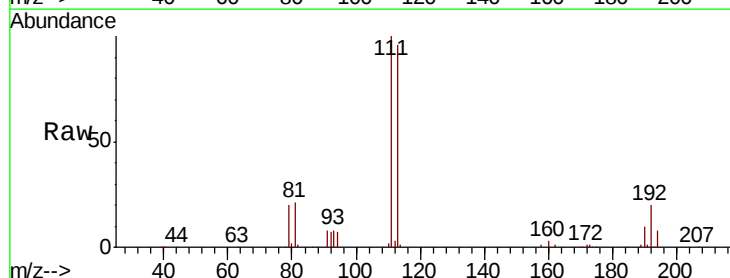
Tgt Ion:113 Resp: 134103

Ion Ratio Lower Upper

113 100

111 104.3 81.6 122.4

192 19.7 15.3 22.9

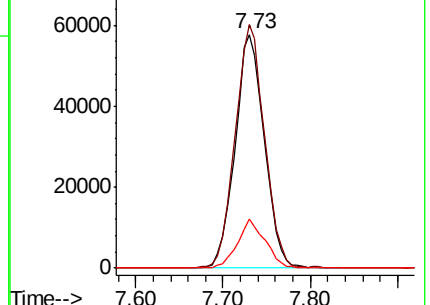
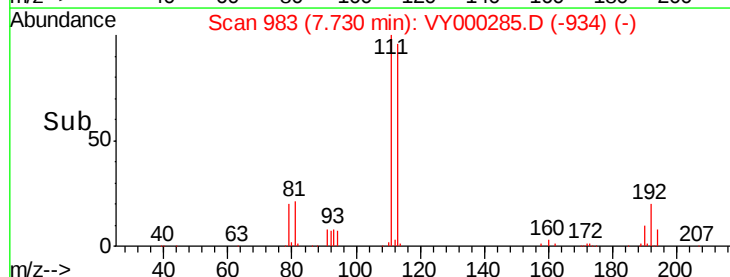


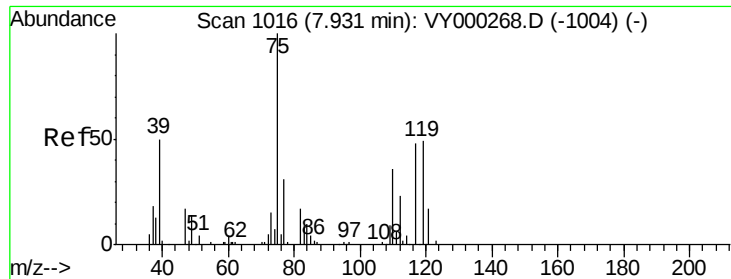
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.73

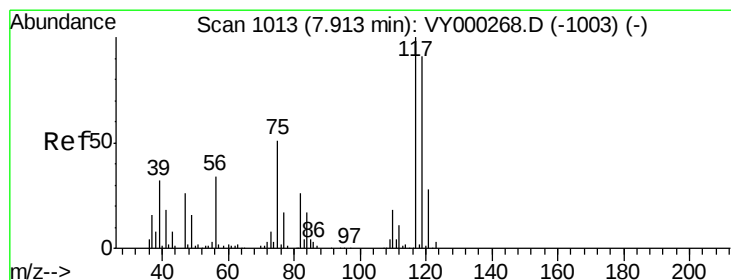
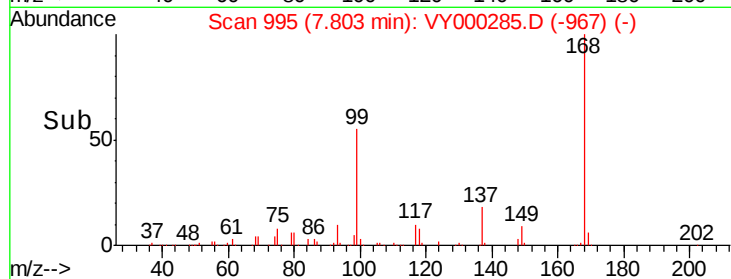
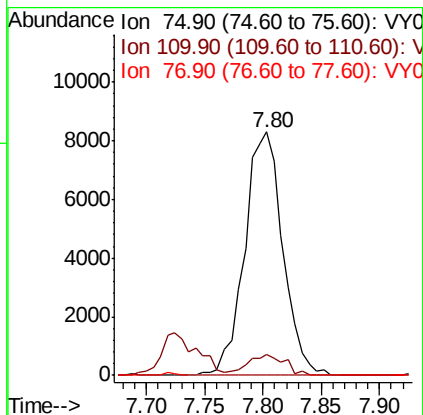
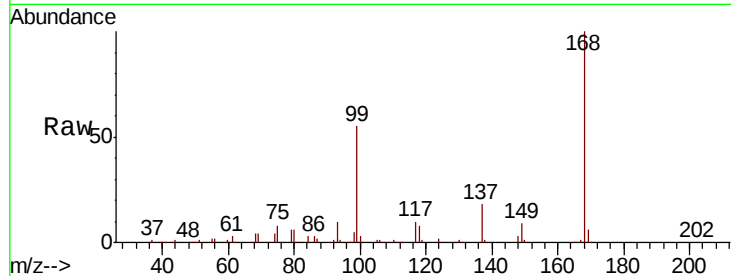




#36
 1,1-Dichloropropene
 Concen: 4.312 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000285.D
 Acq: 11 Oct 2019 20:53

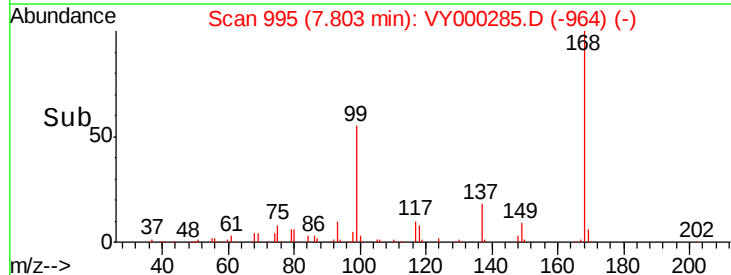
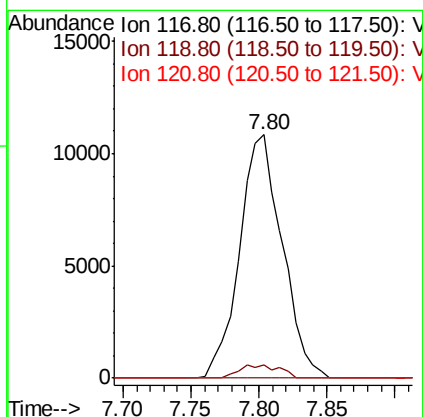
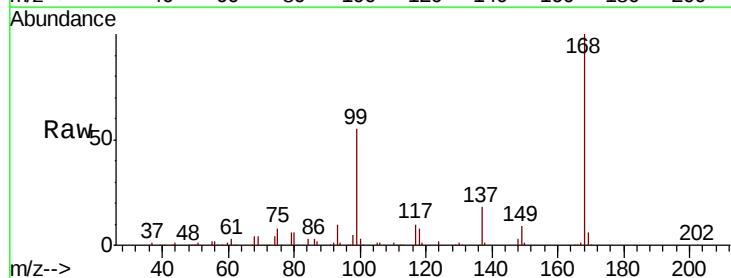
Instrument :
 MSVOA_Y
 ClientSampled :

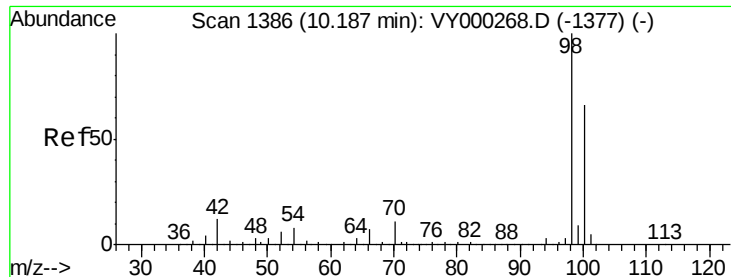
Tot Ion: 75 Resp: 18920
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.4 55.4#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.594 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000285.D
 Acq: 11 Oct 2019 20:53

Tgt Ion: 117 Resp: 23766
 Ion Ratio Lower Upper
 117 100
 119 5.5 72.8 109.2#
 121 0.0 22.2 33.2#





#50

Toluene-d8

Concen: 50.396 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY000285.D

Acq: 11 Oct 2019 20:53

Instrument :

MSVOA_Y

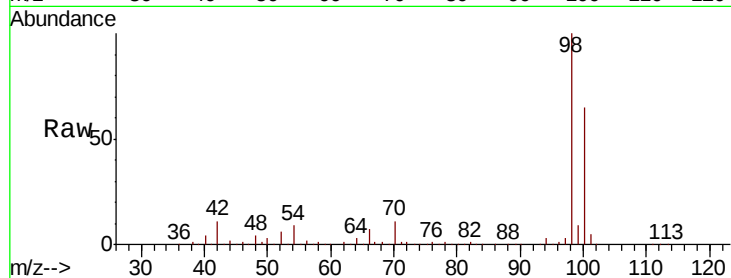
ClientSampleId :

Tot Ion: 98 Resp: 524058

Ion Ratio Lower Upper

98 100

100 65.0 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY000268.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY000268.D (-1377) (-)

10.19

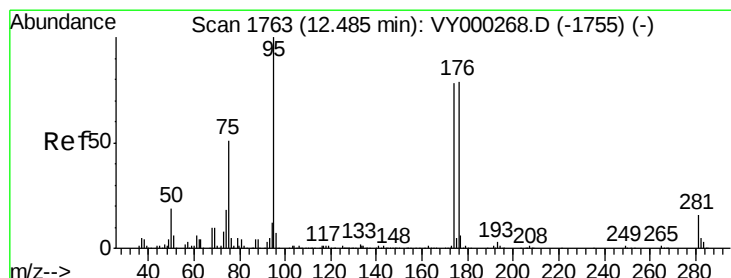
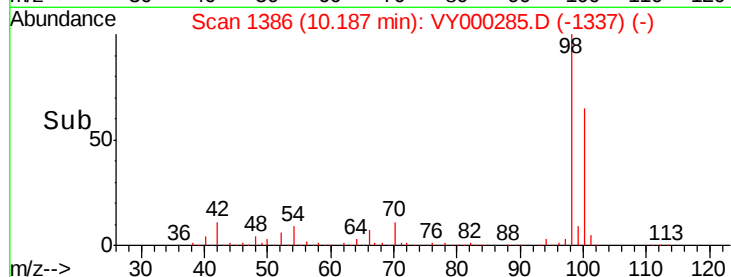
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.639 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000285.D

Acq: 11 Oct 2019 20:53

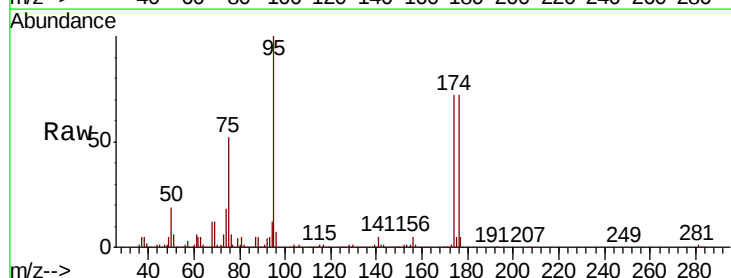
Tgt Ion: 95 Resp: 172399

Ion Ratio Lower Upper

95 100

174 78.4 0.0 159.6

176 74.9 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VY000268.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY000268.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY000268.D (-1755) (-)

12.48

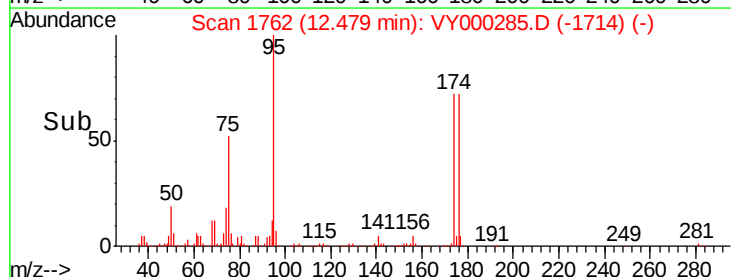
150000

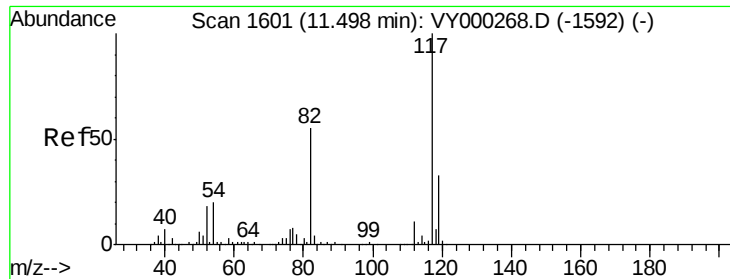
100000

50000

0

Time-->

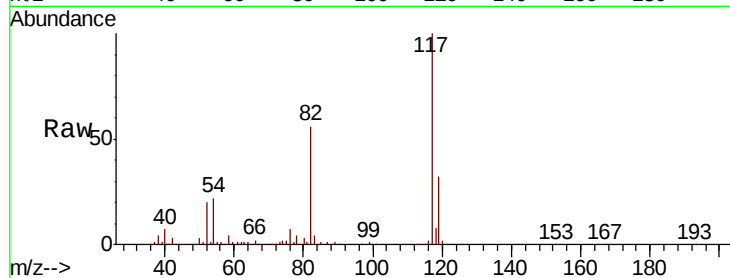




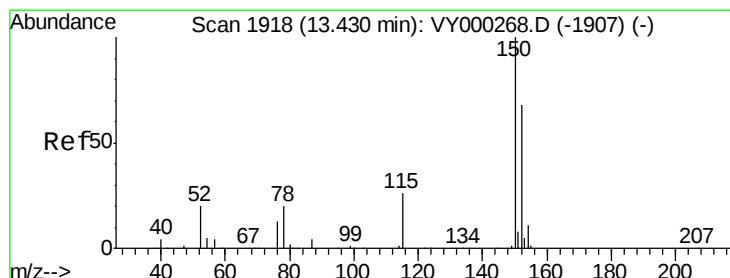
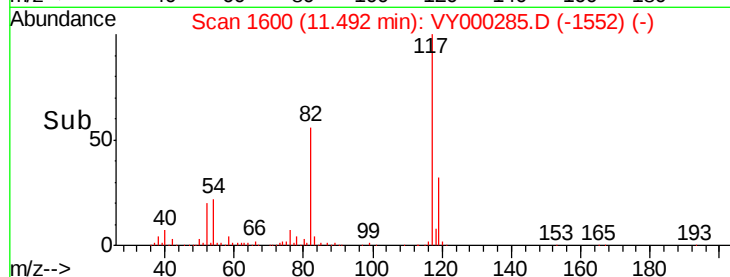
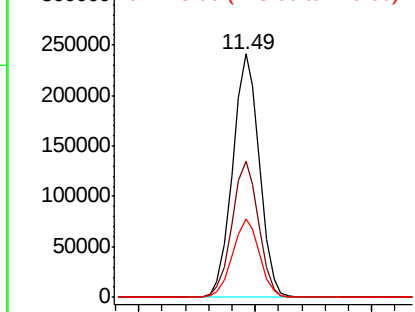
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000285.D
Acq: 11 Oct 2019 20:53

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 385269
Ion Ratio Lower Upper
117 100
82 55.8 43.7 65.5
119 32.0 26.6 39.8

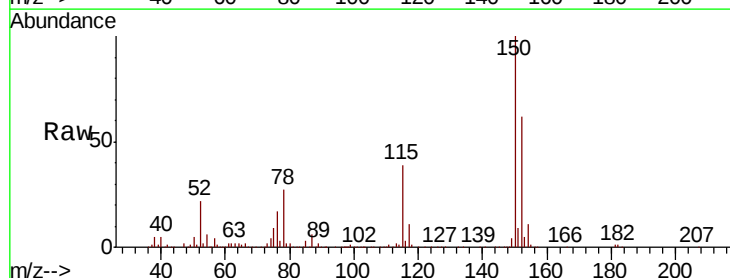


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

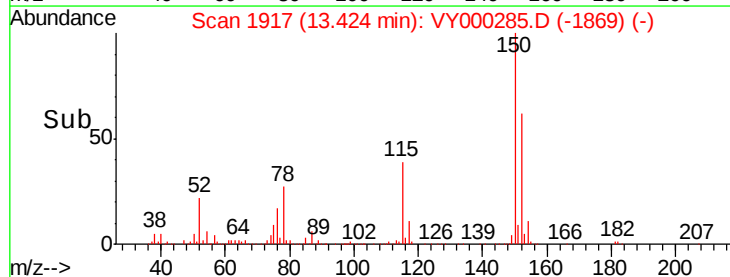
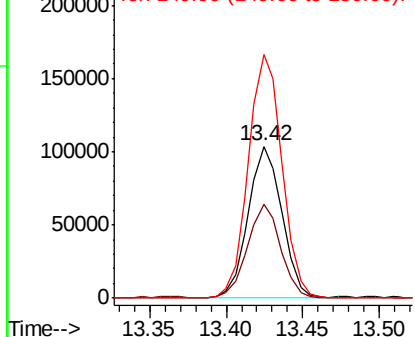


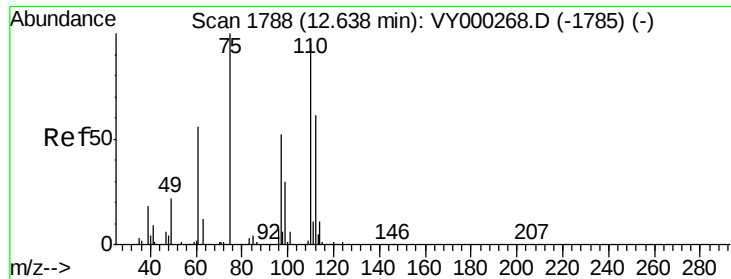
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000285.D
Acq: 11 Oct 2019 20:53

Tgt Ion:152 Resp: 158361
Ion Ratio Lower Upper
152 100
115 61.6 29.3 88.0
150 160.3 0.0 348.4



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

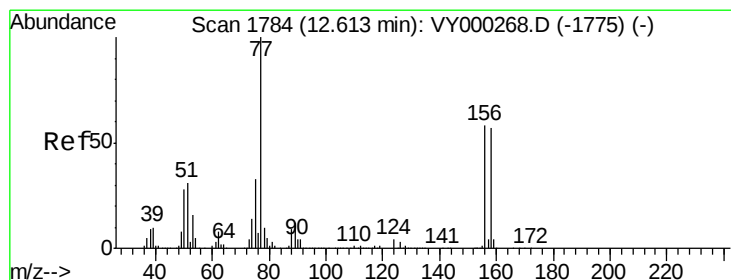
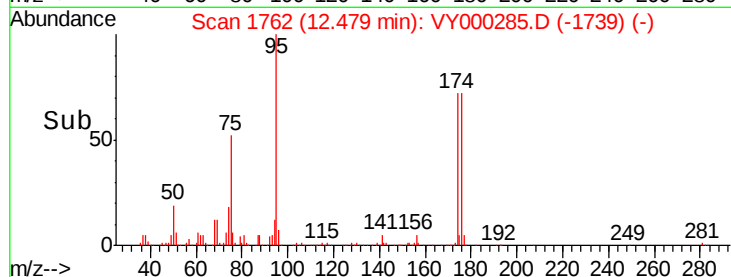
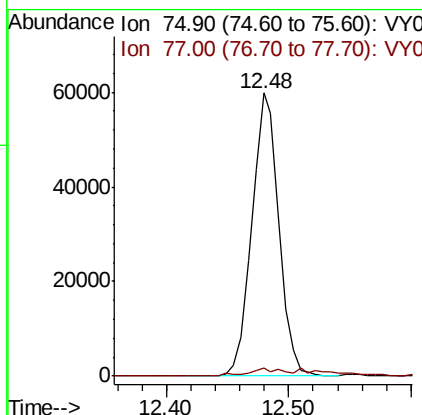
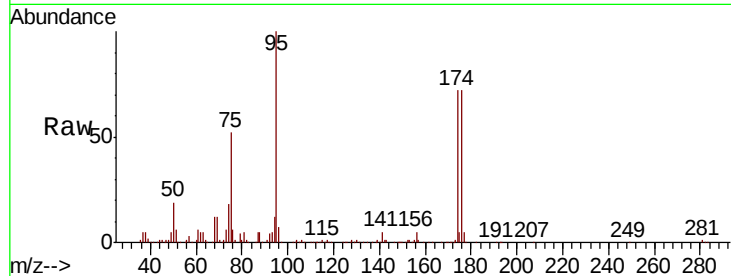




#76
 1,2,3-Trichloropropane
 Concen: 47.261 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.16 min
 Lab File: VY000285.D
 Acq: 11 Oct 2019 20:53

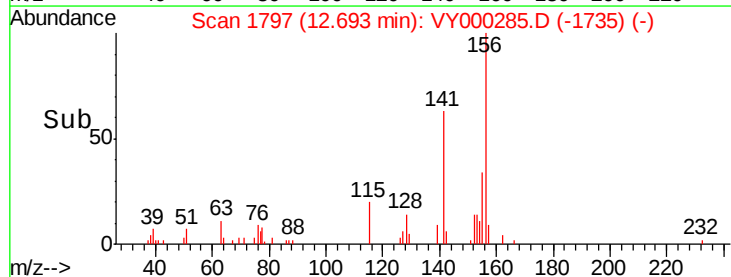
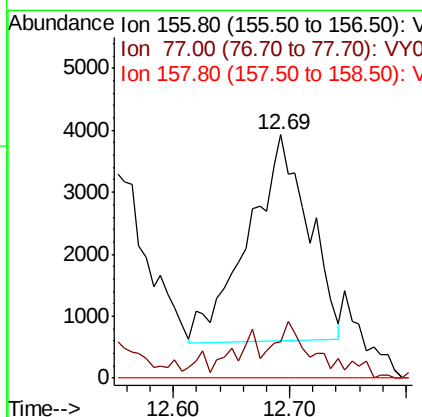
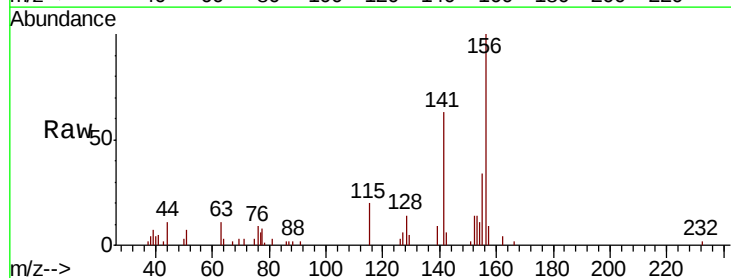
Instrument :
 MSVOA_Y
 ClientSampleId :

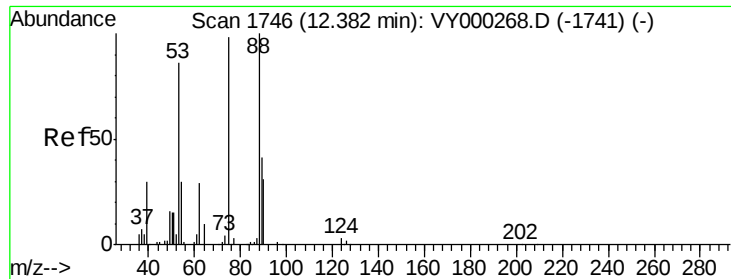
Tot Ion: 75 Resp: 92031
 Ion Ratio Lower Upper
 75 100
 77 3.4 0.0 0.0#



#77
 Bromobenzene
 Concen: 4.328 ug/l
 RT: 12.69 min Scan# 1797
 Delta R.T. 0.08 min
 Lab File: VY000285.D
 Acq: 11 Oct 2019 20:53

Tgt Ion: 156 Resp: 11891
 Ion Ratio Lower Upper
 156 100
 77 11.3 101.0 302.9#
 158 0.0 49.7 149.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 103.405 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000285.D

Acq: 11 Oct 2019 20:53

Instrument :

MSVOA_Y

ClientSampleId :

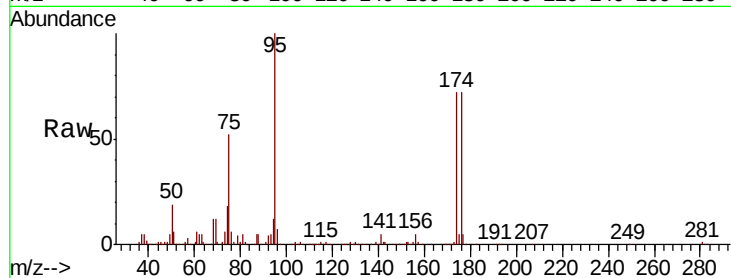
Tot Ion: 75 Resp: 92031

Ion Ratio Lower Upper

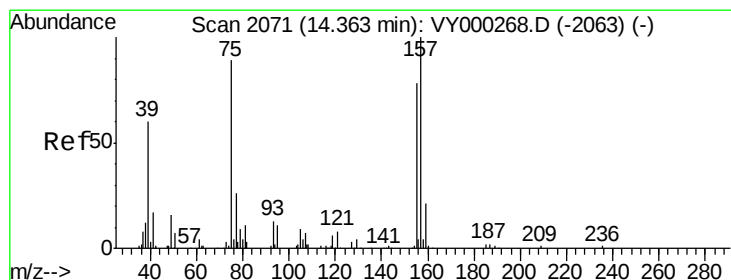
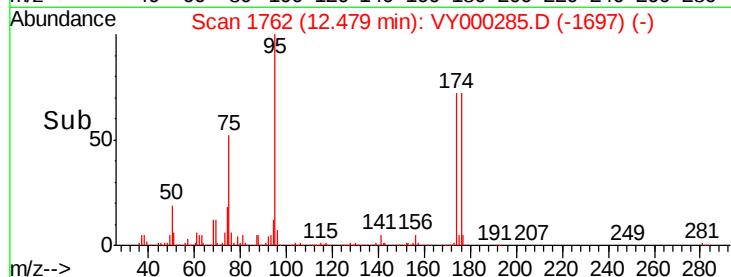
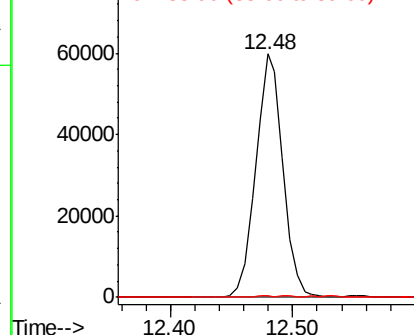
75 100

53 0.0 71.3 106.9#

89 0.4 35.1 52.7#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.062 ug/l

RT: 14.34 min Scan# 2068

Delta R.T. -0.02 min

Lab File: VY000285.D

Acq: 11 Oct 2019 20:53

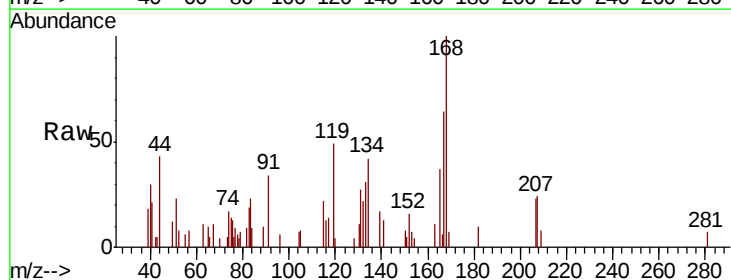
Tgt Ion: 75 Resp: 467

Ion Ratio Lower Upper

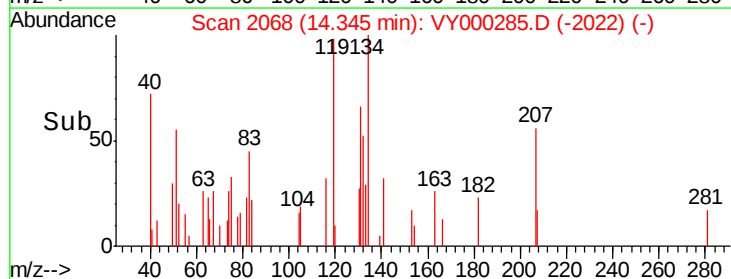
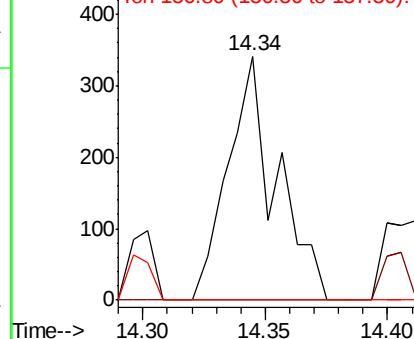
75 100

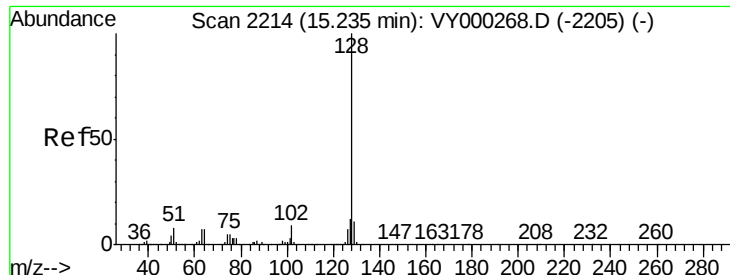
155 0.0 45.8 137.3#

157 0.0 55.6 166.9#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 57.037 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

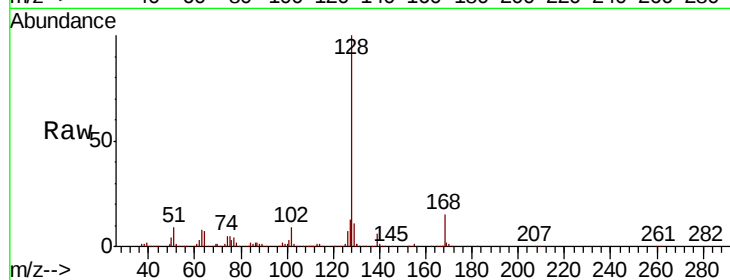
Lab File: VY000285.D

Acq: 11 Oct 2019 20:53

Instrument :

MSVOA_Y

ClientSampleId :



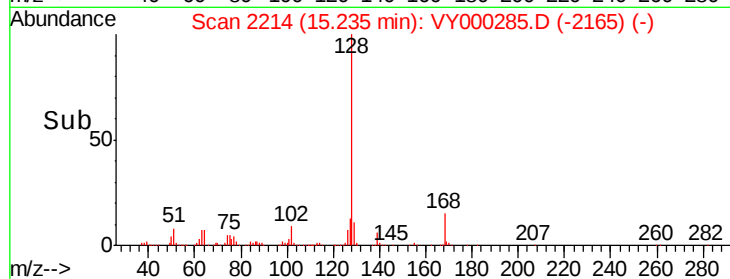
Tot Ion:128 Resp: 434180

Ion Ratio Lower Upper

128 100

127 12.7 9.6 14.4

129 11.2 8.7 13.1



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

