

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000284.D
 Acq On : 11 Oct 2019 20:30
 Operator : SY/MD
 Sample : K5350-05
 Misc : 7.34G/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 14 07:38:58 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	240974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	452415	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	377260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	159540	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	154601	60.82	ug/l	0.00
Spiked Amount						
						Recovery = 121.64%
35) Dibromofluoromethane	7.73	113	134718	49.37	ug/l	0.00
Spiked Amount						
						Recovery = 98.74%
50) Toluene-d8	10.18	98	528803	50.37	ug/l	0.00
Spiked Amount						
						Recovery = 100.74%
62) 4-Bromofluorobenzene	12.49	95	171040	42.89	ug/l	0.00
Spiked Amount						
						Recovery = 85.78%

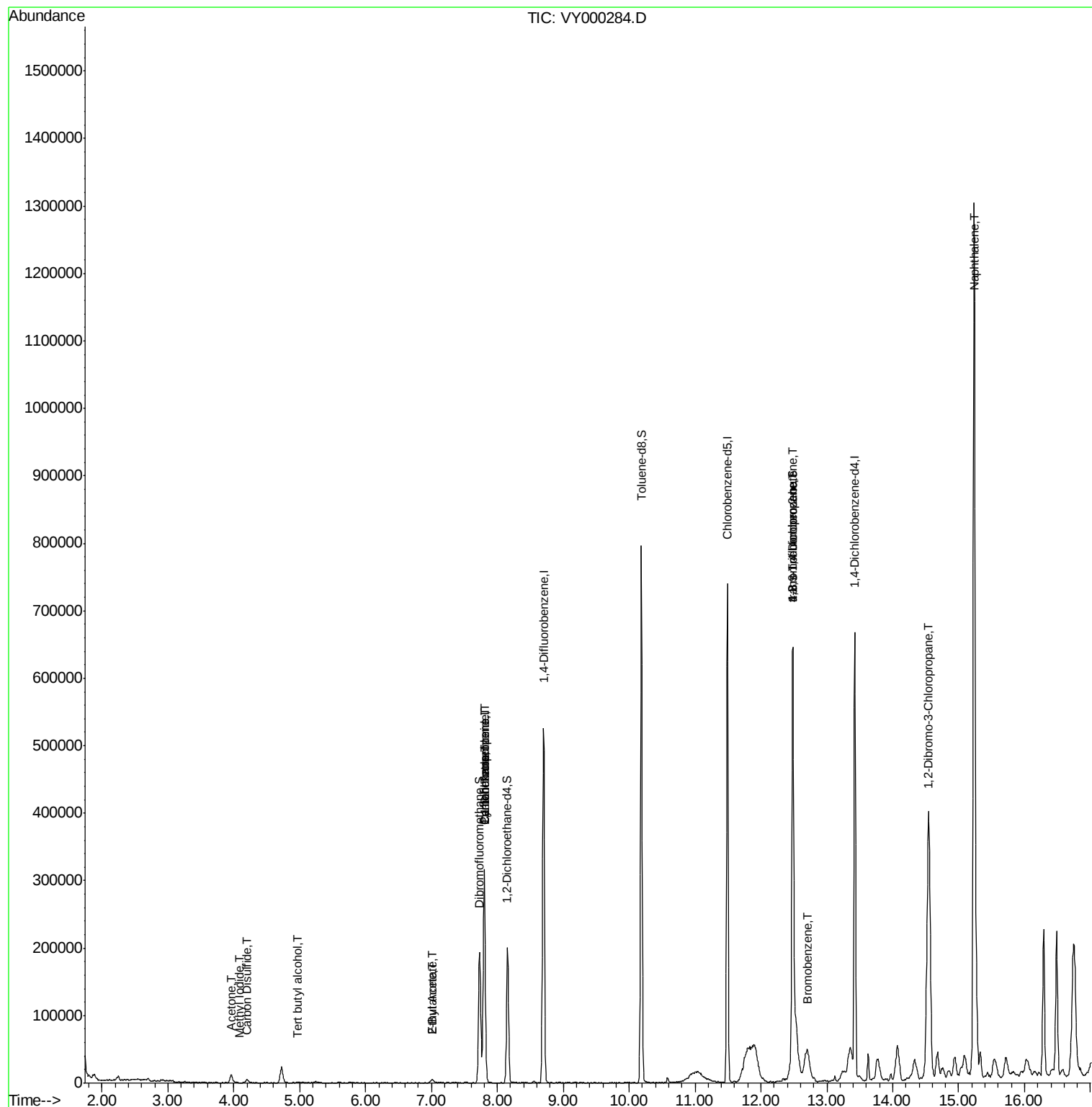
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	130	Below Cal	#	41
5) Bromomethane	2.65	94	301	Below Cal	#	3
10) Methyl Iodide	4.09	142	33	1.195	ug/l #	41
11) Tert butyl alcohol	4.97	59	1047	3.936	ug/l	100
16) Acetone	3.96	43	19117	23.223	ug/l	94
17) Carbon Disulfide	4.20	76	9064	1.183	ug/l	99
25) 2-Butanone	7.01	43	8071	6.960	ug/l #	74
31) Cyclohexane	7.80	56	4994	1.027	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	20246	4.571	ug/l #	49
37) Ethyl Acetate	7.01	43	8071	3.077	ug/l #	67
38) Carbon Tetrachloride	7.80	117	24070	5.612	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	92098	46.946	ug/l #	100
77) Bromobenzene	12.70	156	58705	21.207	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	92098	102.715	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.53	75	10837	24.464	ug/l #	1
95) Naphthalene	15.23	128	743144	96.903	ug/l	99

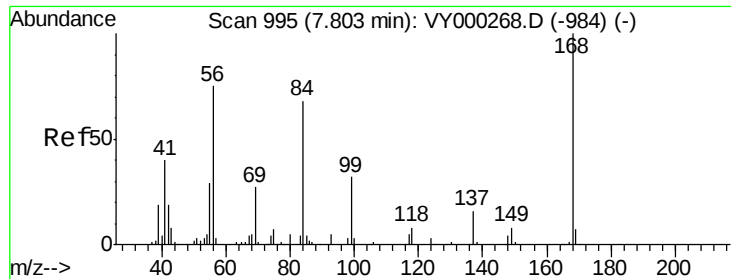
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
Data File : VY000284.D
Acq On : 11 Oct 2019 20:30
Operator : SY/MD
Sample : K5350-05
Misc : 7.34G/MSVOA Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 14 07:38:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 14 07:29:17 2019
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: VY000284.D

Acq: 11 Oct 2019 20:30

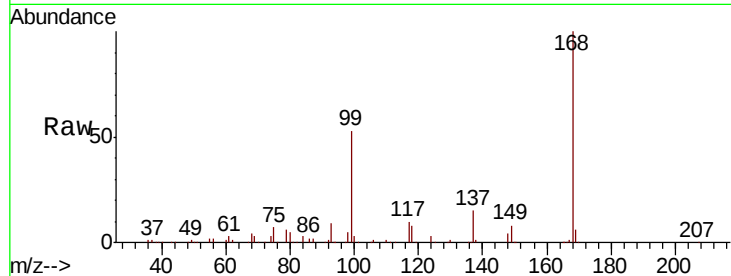
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 240974

Ion Ratio Lower Upper

168 100

99 53.0 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

120000

100000

80000

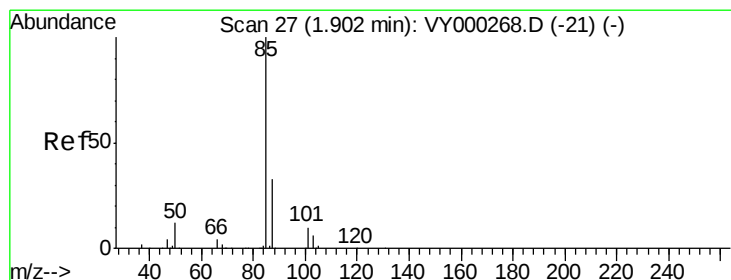
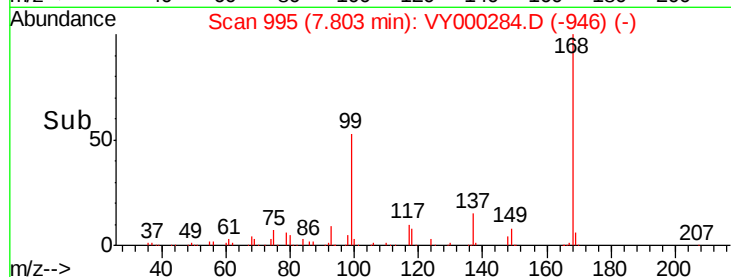
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000284.D

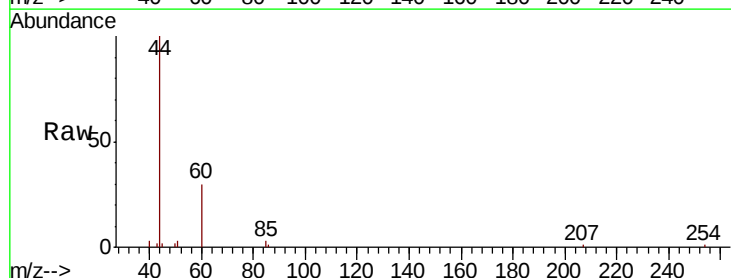
Acq: 11 Oct 2019 20:30

Tgt Ion: 85 Resp: 130

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) (-)

1.91

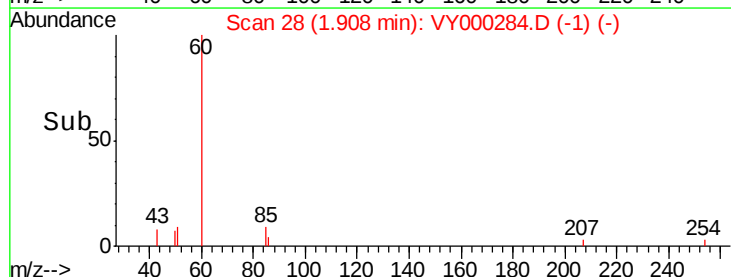
150

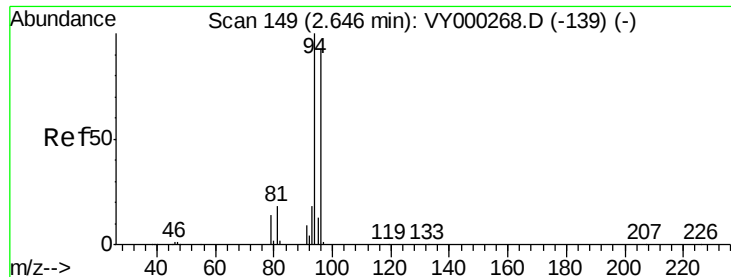
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY000284.D

Acq: 11 Oct 2019 20:30

Instrument :

MSVOA_Y

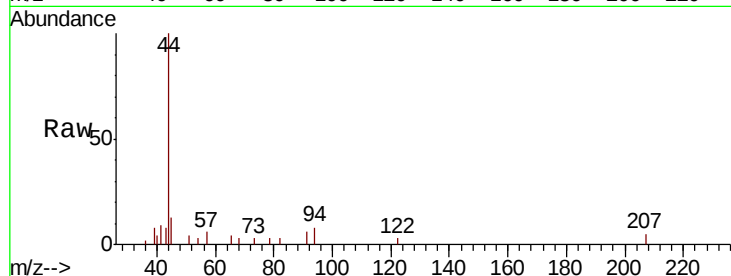
ClientSampled :

Tot Ion: 94 Resp: 301

Ion Ratio Lower Upper

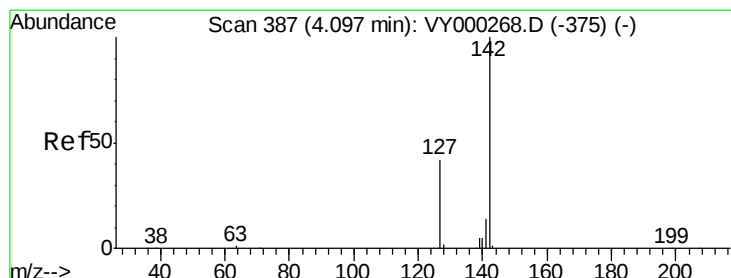
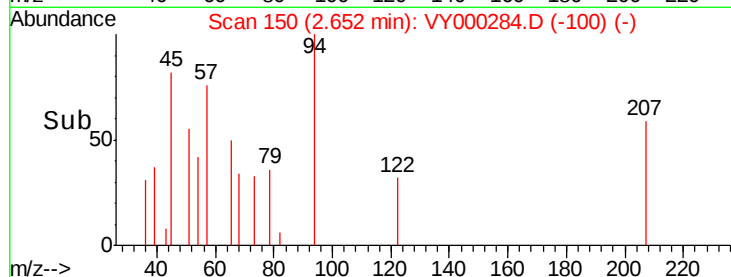
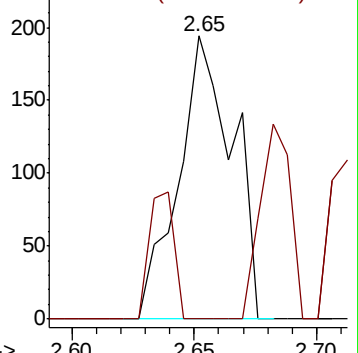
94 100

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: 1.195 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000284.D

Acq: 11 Oct 2019 20:30

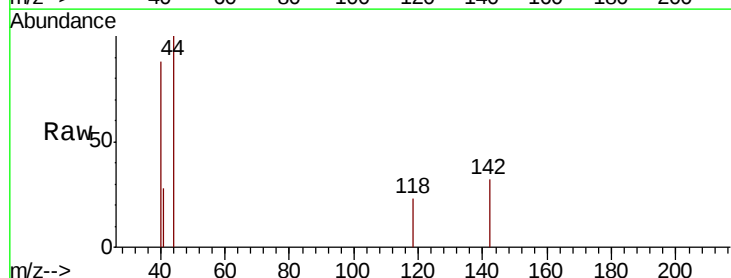
Tgt Ion:142 Resp: 33

Ion Ratio Lower Upper

142 100

127 0.0 33.9 50.9#

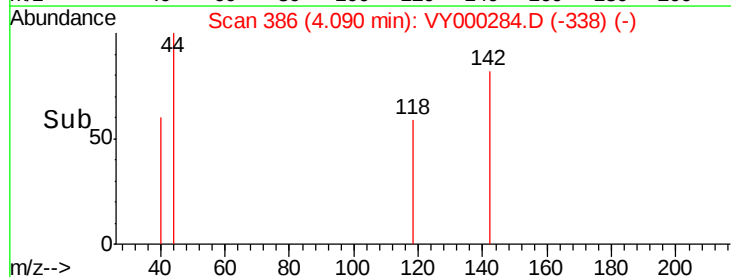
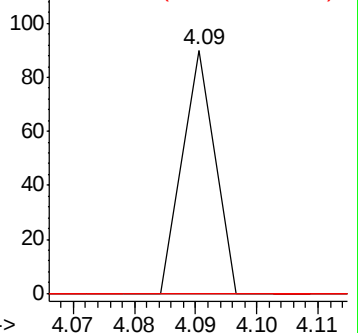
141 0.0 11.2 16.8#

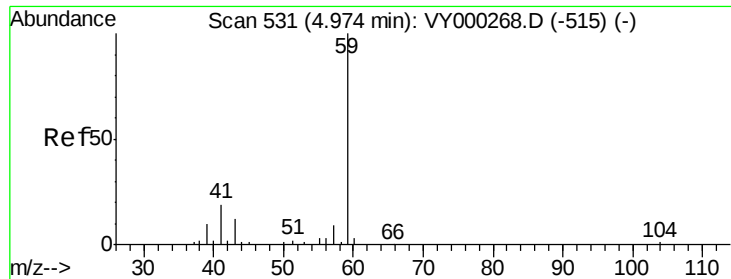


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

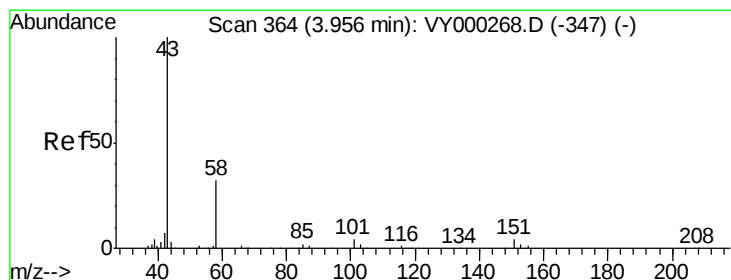
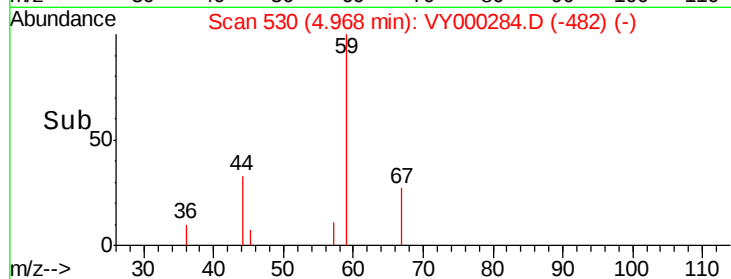
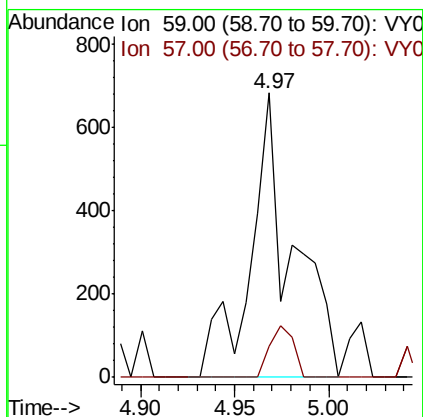
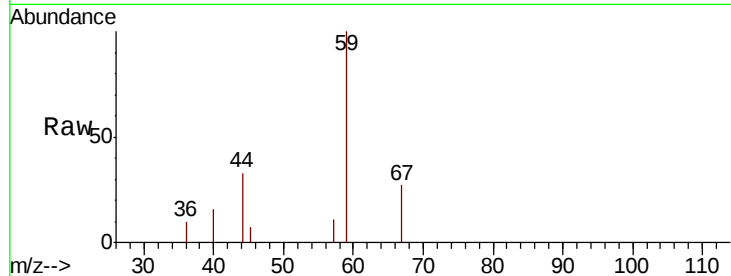




#11
Tert butyl alcohol
Concen: 3.936 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.01 min
Lab File: VY000284.D
Acq: 11 Oct 2019 20:30

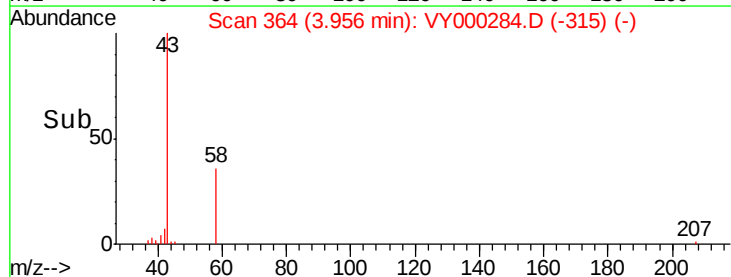
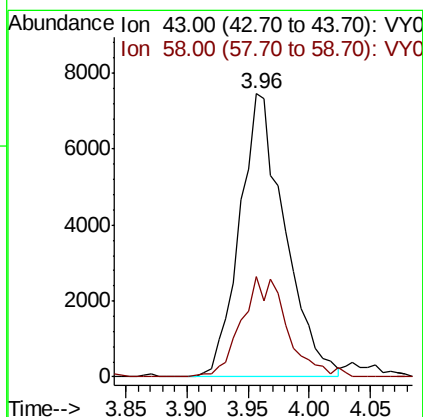
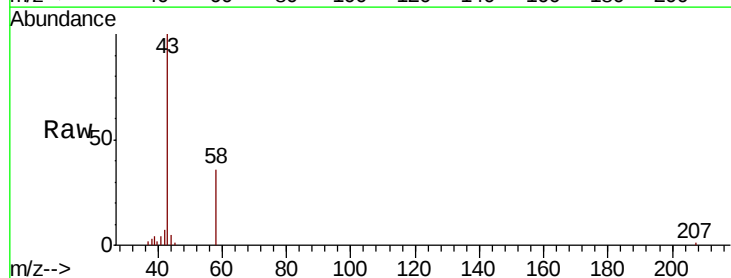
Instrument :
MSVOA_Y
ClientSampleId :

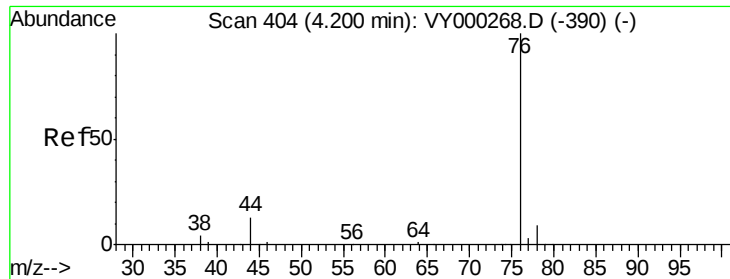
Tot Ion: 59 Resp: 1047
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.2



#16
Acetone
Concen: 23.223 ug/l
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VY000284.D
Acq: 11 Oct 2019 20:30

Tgt Ion: 43 Resp: 19117
Ion Ratio Lower Upper
43 100
58 35.7 25.8 38.6





#17

Carbon Disulfide

Concen: 1.183 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY000284.D

Acq: 11 Oct 2019 20:30

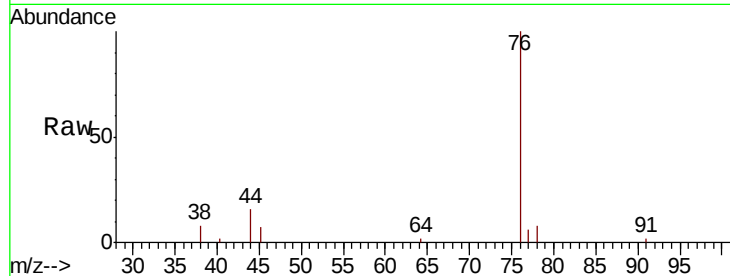
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 76 Resp: 9064

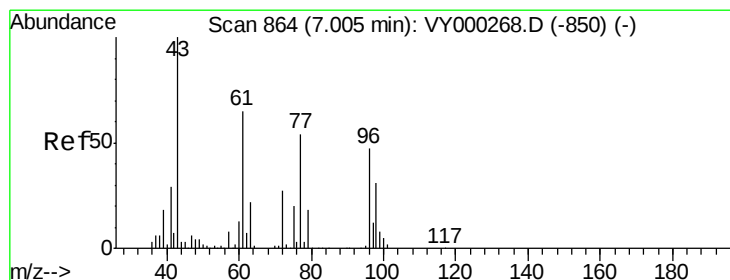
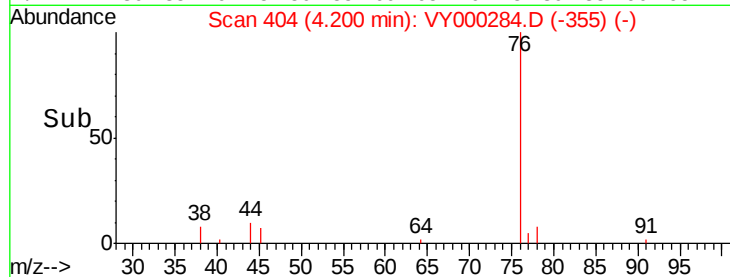
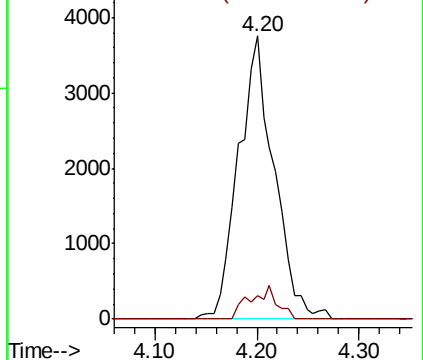
Ion Ratio Lower Upper

76 100

78 8.3 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VY0
Ion 77.90 (77.60 to 78.60): VY0



#25

2-Butanone

Concen: 6.960 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY000284.D

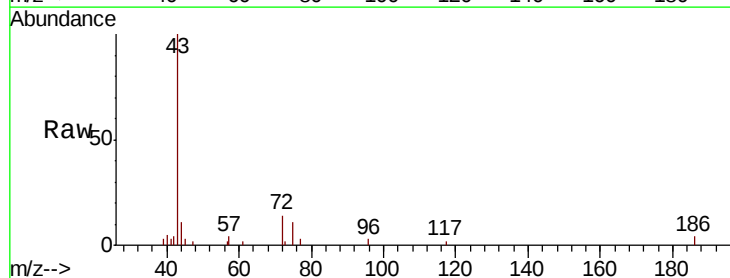
Acq: 11 Oct 2019 20:30

Tgt Ion: 43 Resp: 8071

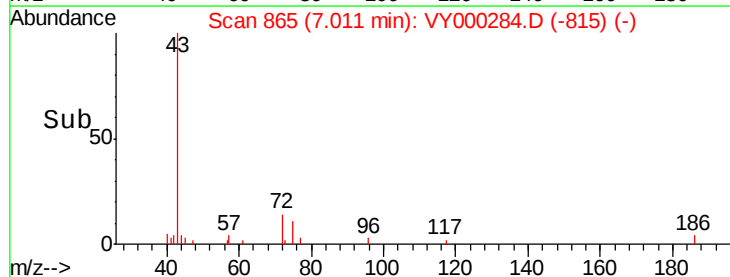
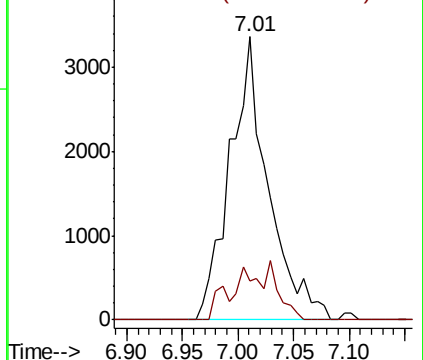
Ion Ratio Lower Upper

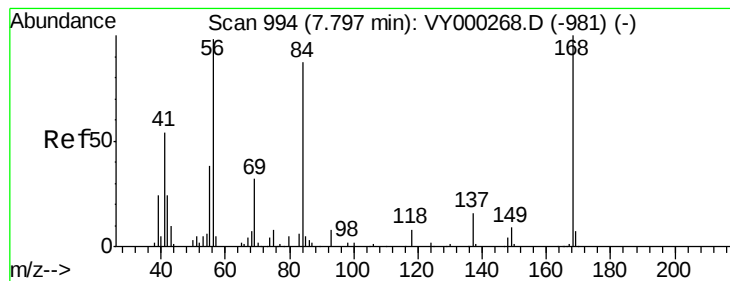
43 100

72 13.5 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: 1.027 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000284.D

Acq: 11 Oct 2019 20:30

Instrument :
MSVOA_Y
ClientSampled :

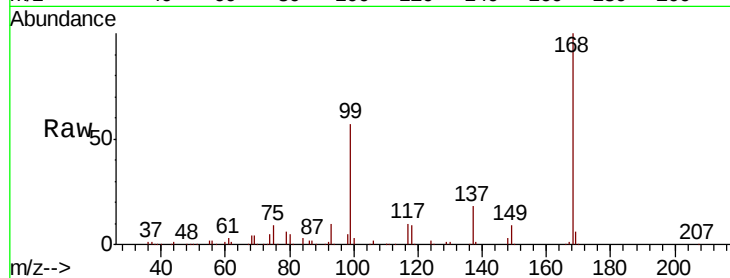
Tot Ion: 56 Resp: 4994

Ion Ratio Lower Upper

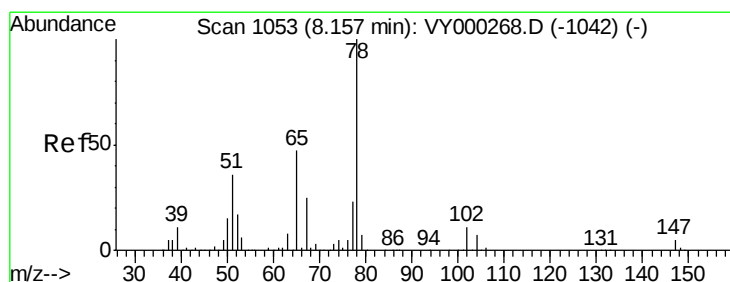
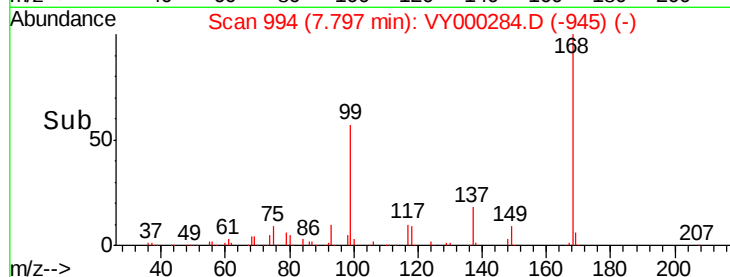
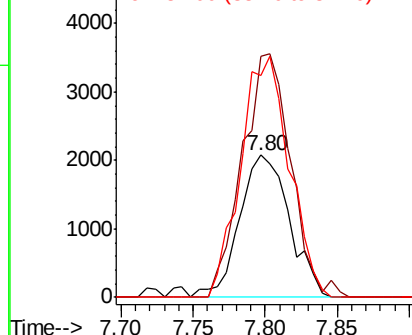
56 100

69 169.9 26.3 39.5#

84 156.4 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: 60.821 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000284.D

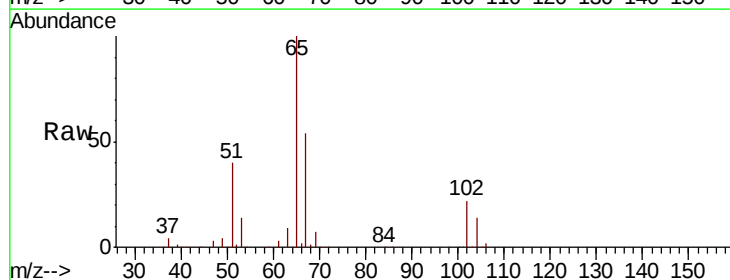
Acq: 11 Oct 2019 20:30

Tgt Ion: 65 Resp: 154601

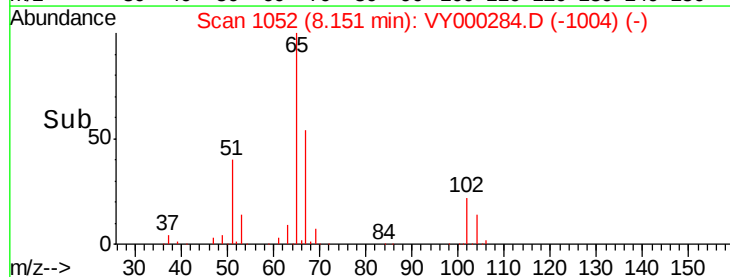
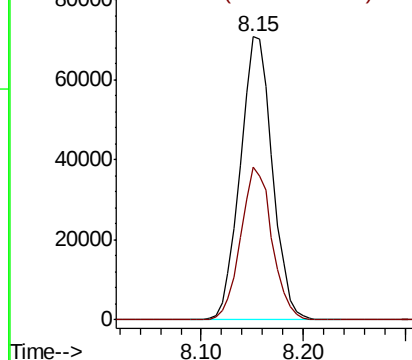
Ion Ratio Lower Upper

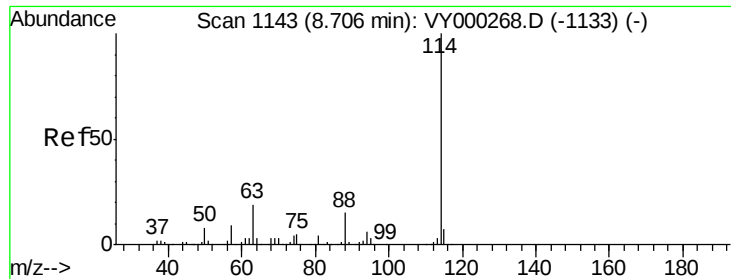
65 100

67 52.5 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

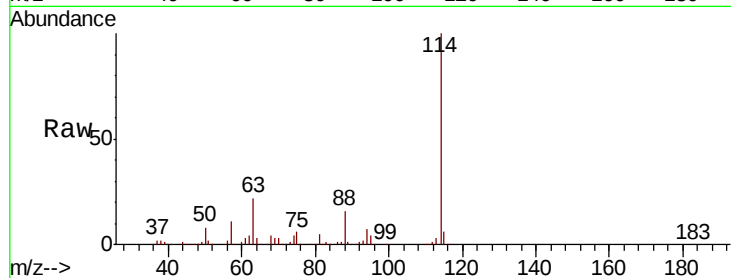




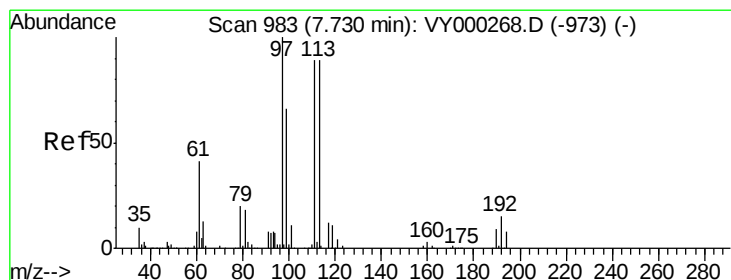
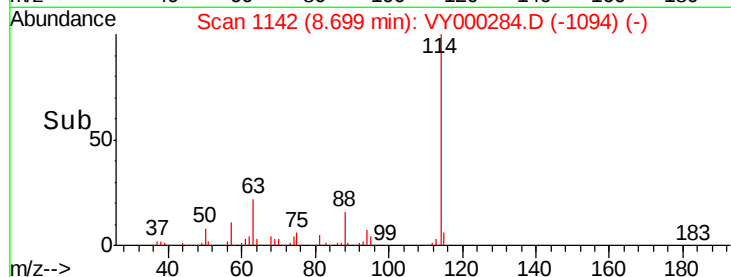
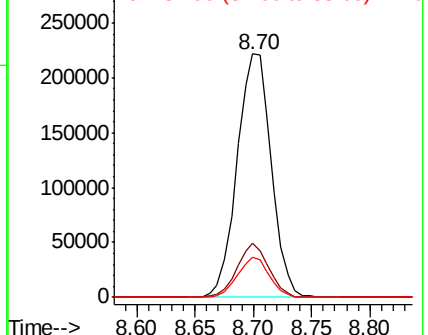
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VY000284.D
Acq: 11 Oct 2019 20:30

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:114 Resp: 452415
Ion Ratio Lower Upper
114 100
63 22.0 0.0 37.2
88 16.3 0.0 30.2

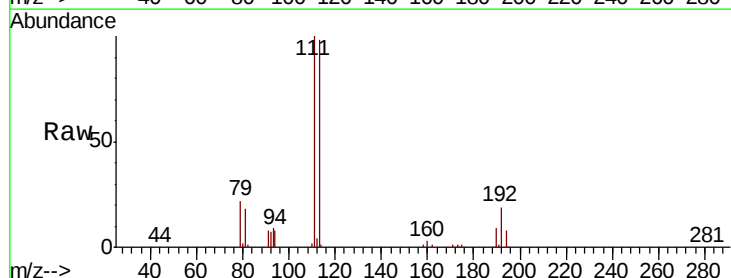


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

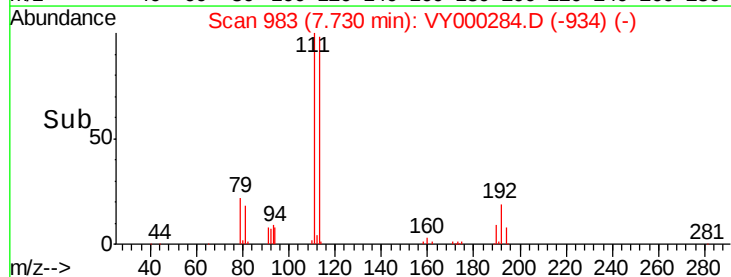
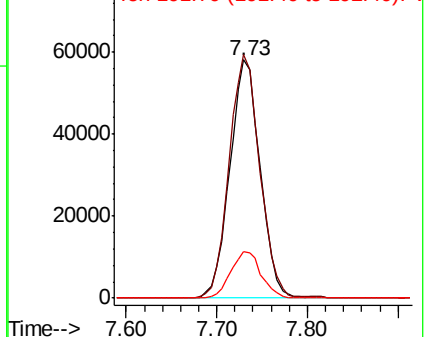


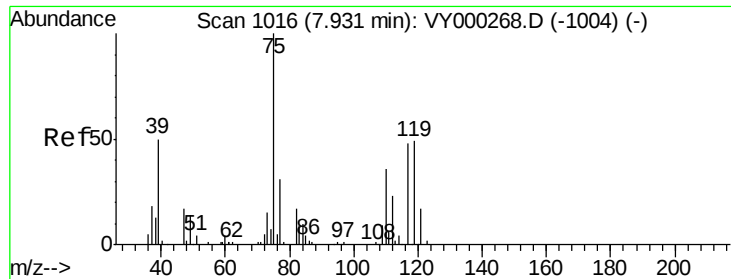
#35
Dibromofluoromethane
Concen: 49.365 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000284.D
Acq: 11 Oct 2019 20:30

Tgt Ion:113 Resp: 134718
Ion Ratio Lower Upper
113 100
111 102.6 81.6 122.4
192 19.6 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

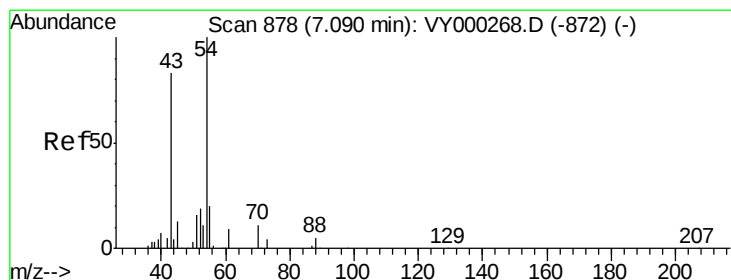
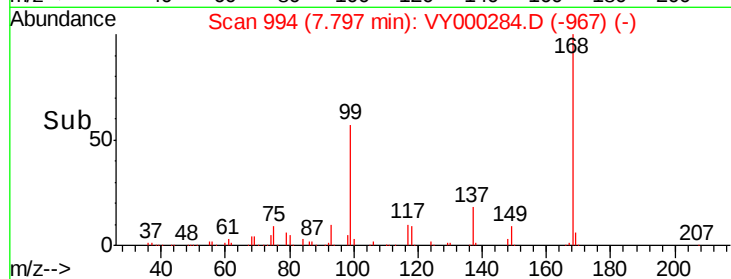
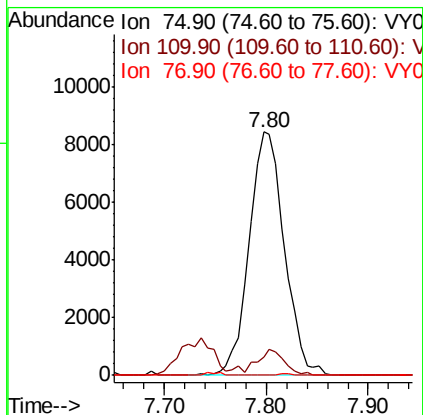
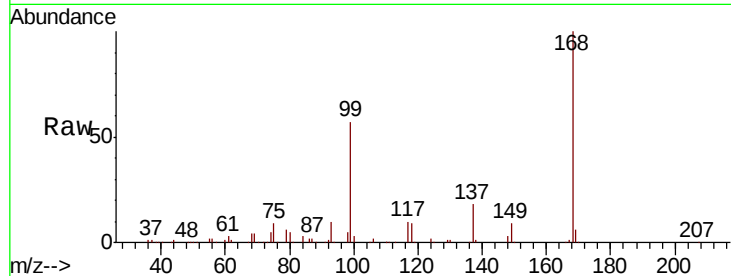




#36
 1,1-Dichloropropene
 Concen: 4.571 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000284.D
 Acq: 11 Oct 2019 20:30

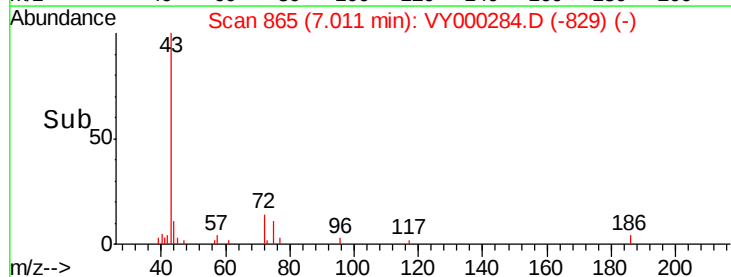
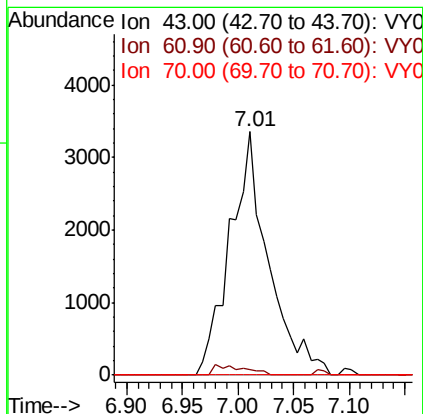
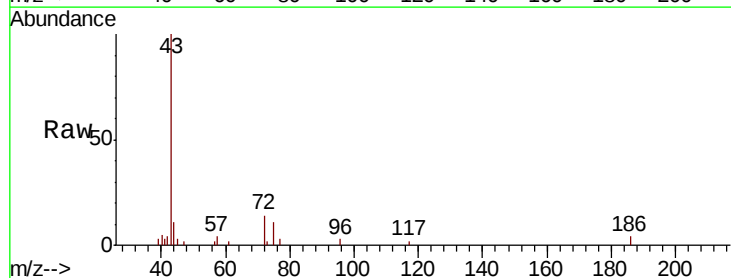
Instrument :
 MSVOA_Y
 ClientSampled :

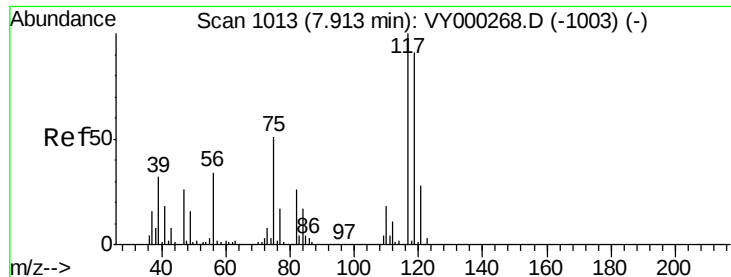
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.4	55.4#
77	0.2	25.0	37.6#



#37
 Ethyl Acetate
 Concen: 3.077 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.08 min
 Lab File: VY000284.D
 Acq: 11 Oct 2019 20:30

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.1	18.1#
70	0.0	8.7	13.1#





#38

Carbon Tetrachloride

Concen: 5.612 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000284.D

Acq: 11 Oct 2019 20:30

Instrument :

MSVOA_Y

ClientSampleId :

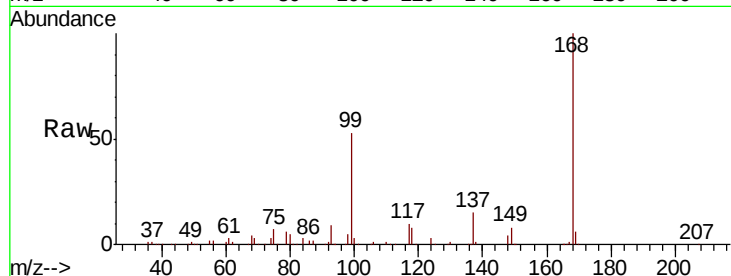
Tot Ion:117 Resp: 24070

Ion Ratio Lower Upper

117 100

119 2.9 72.8 109.2#

121 0.0 22.2 33.2#

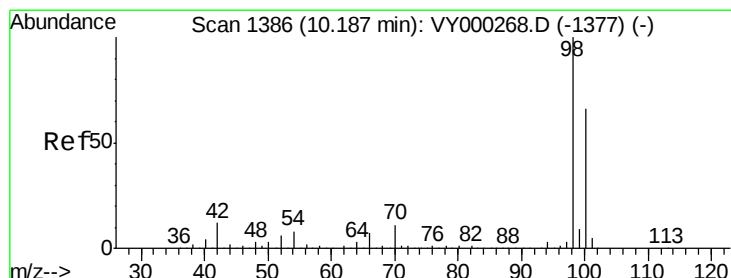
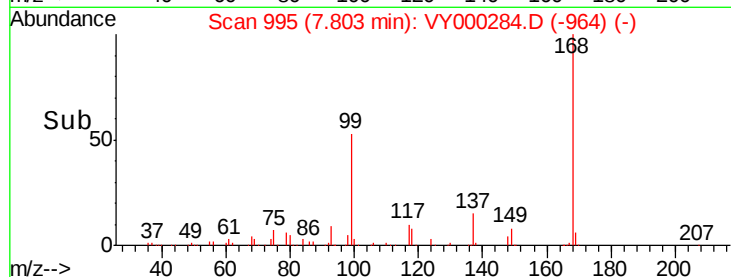
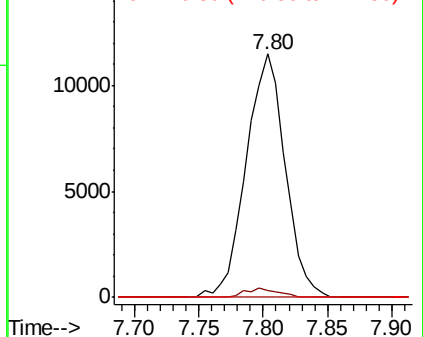


Abundance

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: 50.373 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000284.D

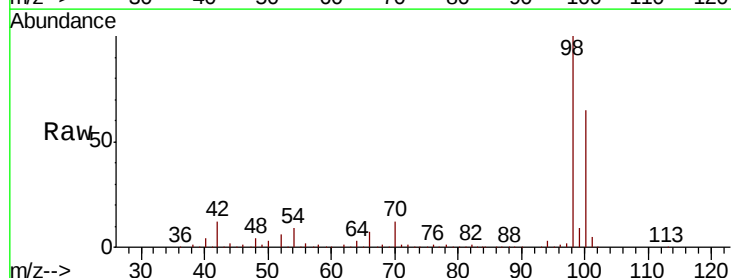
Acq: 11 Oct 2019 20:30

Tgt Ion: 98 Resp: 528803

Ion Ratio Lower Upper

98 100

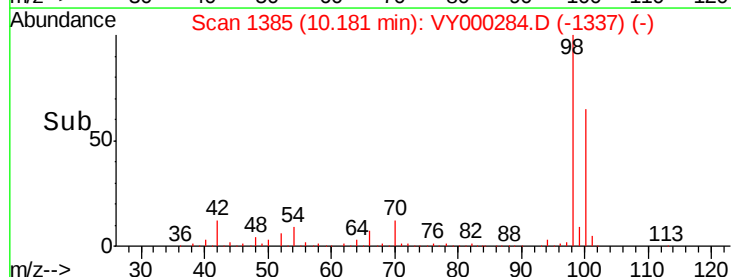
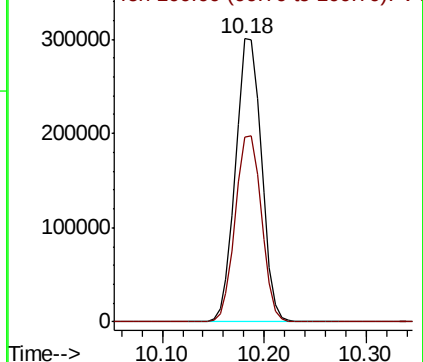
100 66.6 52.8 79.2

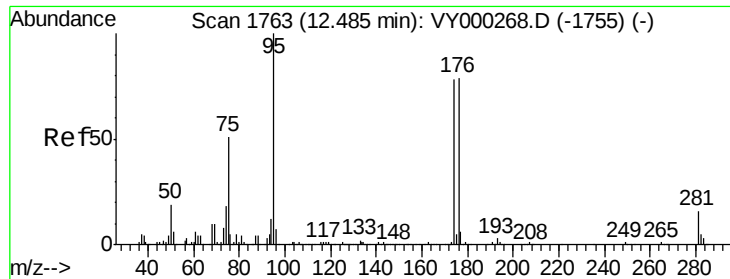


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

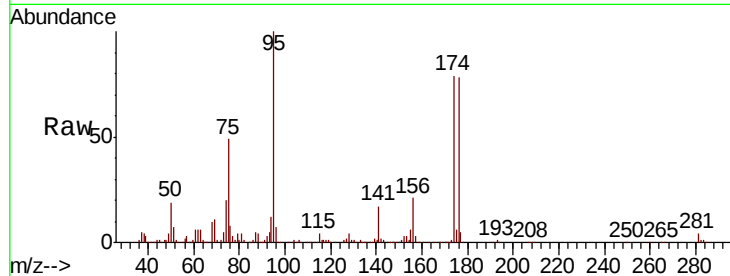




#62
4-Bromofluorobenzene
Concen: 42.886 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY000284.D
Acq: 11 Oct 2019 20:30

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	95	Resp	171040
Ion Ratio	Lower	Upper	
95	100		
174	77.3	0.0	159.6
176	76.6	0.0	153.8

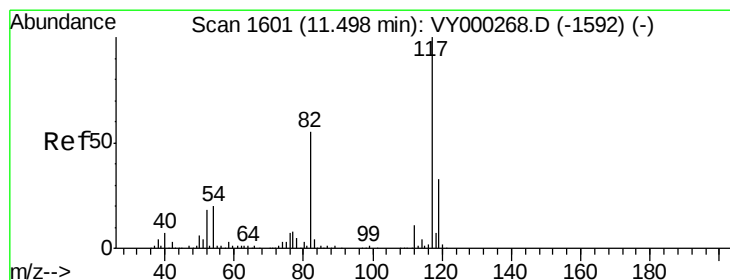
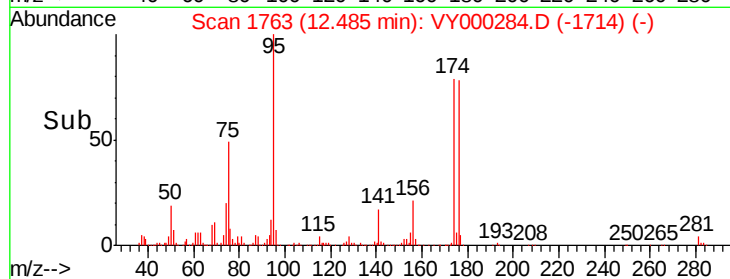
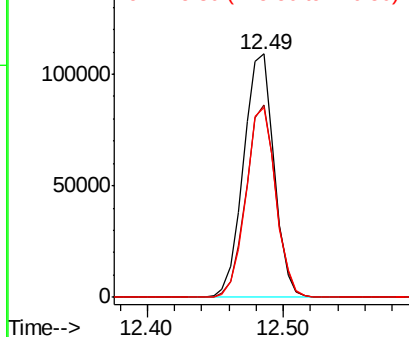


Abundance

Ion 94.90 (94.60 to 95.60): VY0

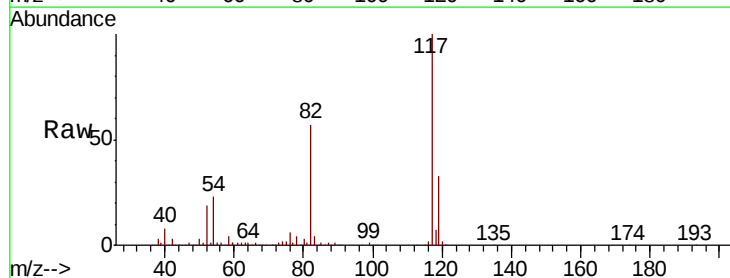
Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000284.D
Acq: 11 Oct 2019 20:30

Tgt Ion	117	Resp	377260
Ion Ratio	Lower	Upper	
117	100		
82	56.6	43.7	65.5
119	33.3	26.6	39.8

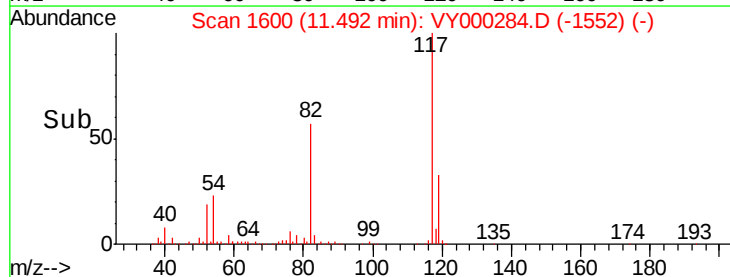
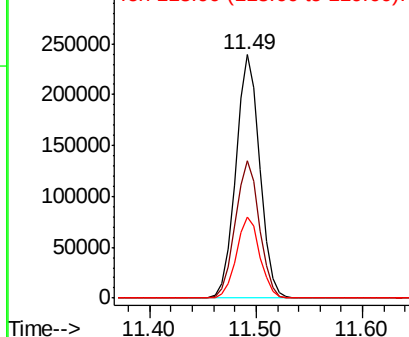


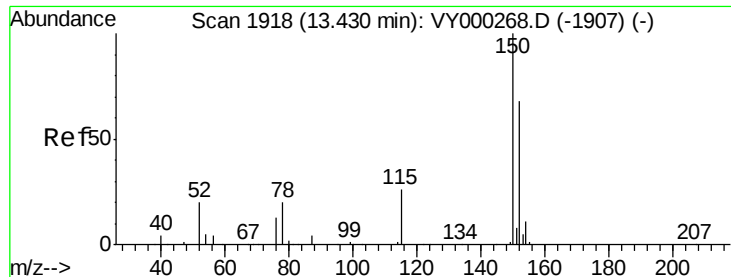
Abundance

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY000284.D

Acq: 11 Oct 2019 20:30

Instrument :

MSVOA_Y

ClientSampleId :

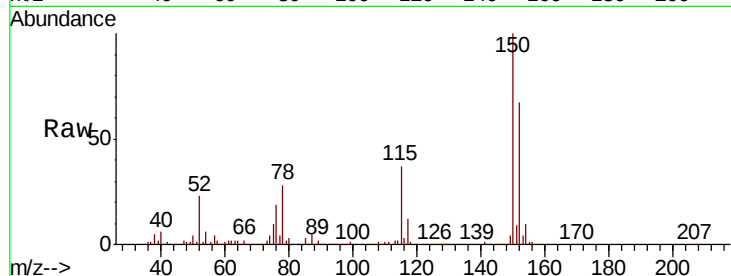
Tot Ion:152 Resp: 159540

Ion Ratio Lower Upper

152 100

115 60.0 29.3 88.0

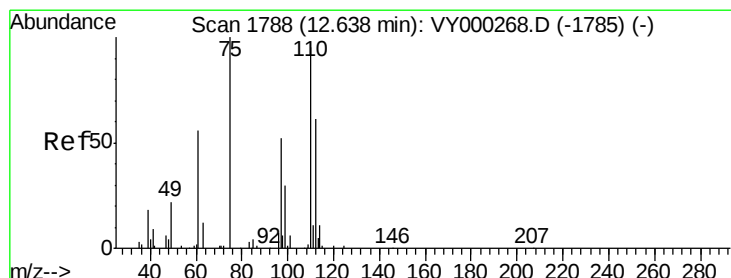
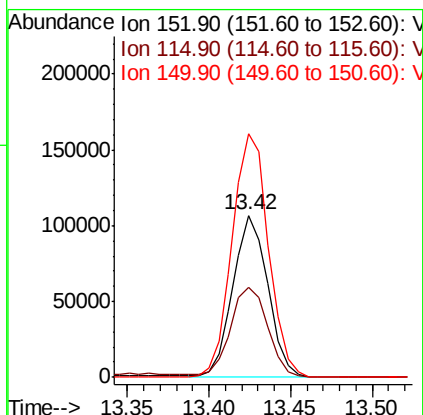
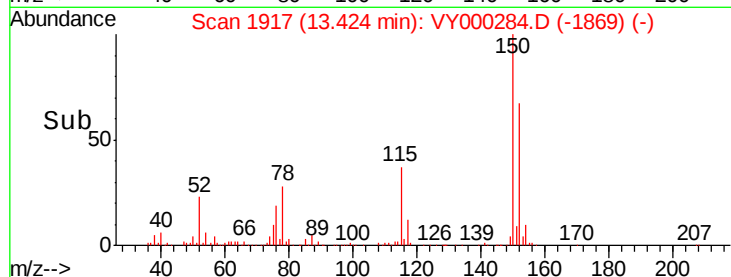
150 156.3 0.0 348.4



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: 46.946 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000284.D

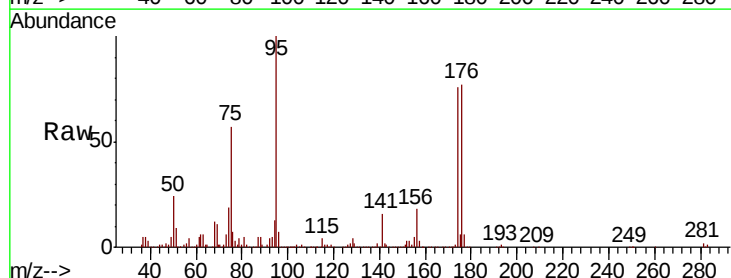
Acq: 11 Oct 2019 20:30

Tgt Ion: 75 Resp: 92098

Ion Ratio Lower Upper

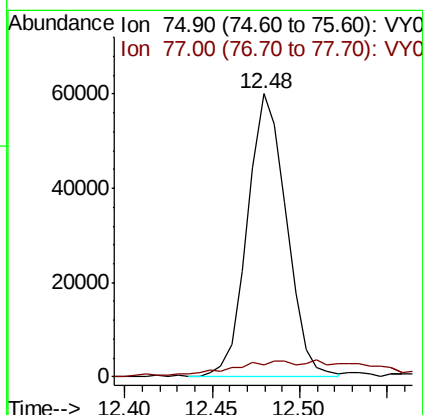
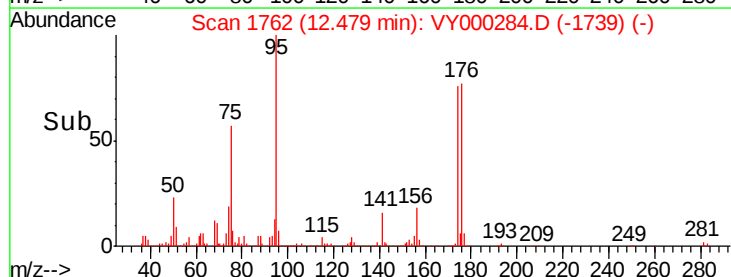
75 100

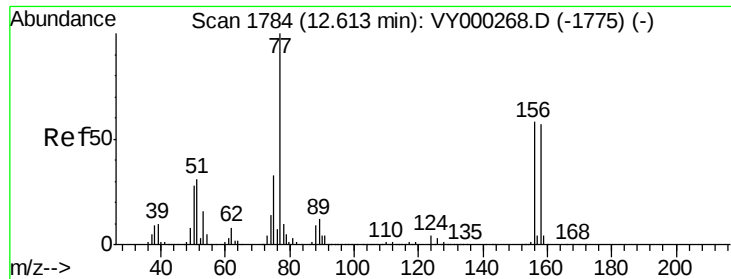
77 8.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

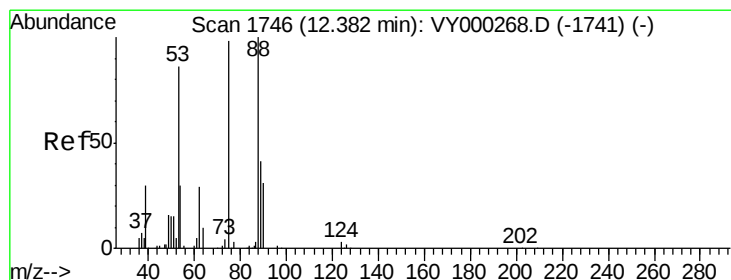
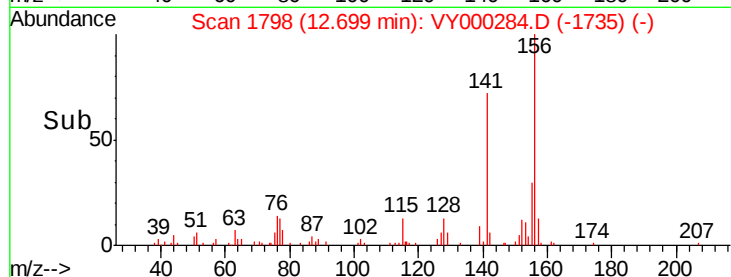
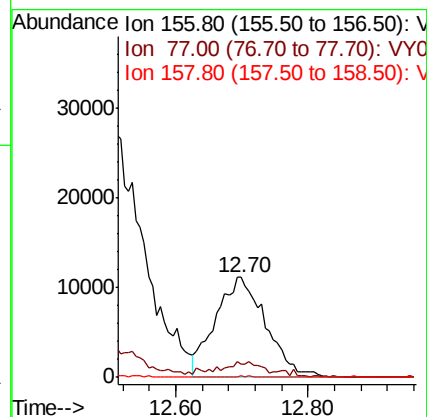
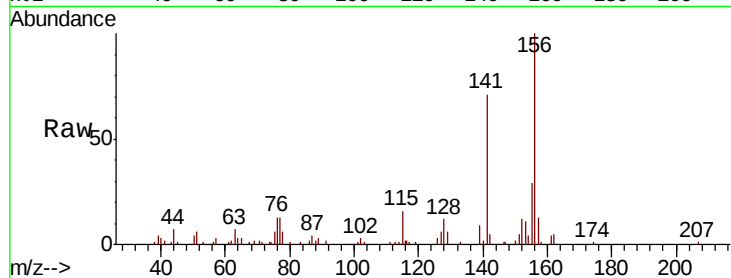




#77
Bromobenzene
Concen: 21.207 ug/l
RT: 12.70 min Scan# 1798
Delta R.T. 0.09 min
Lab File: VY000284.D
Acq: 11 Oct 2019 20:30

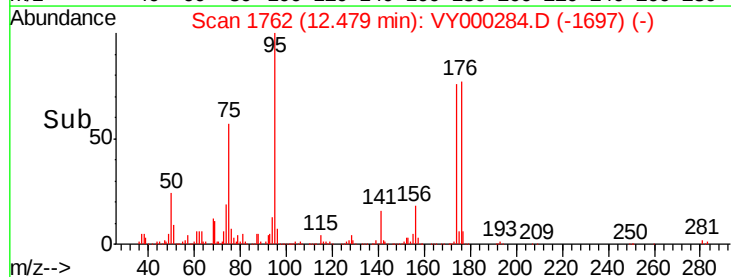
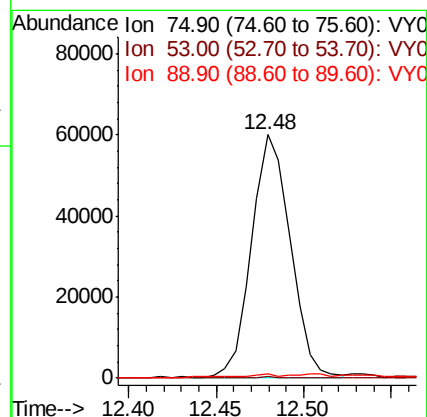
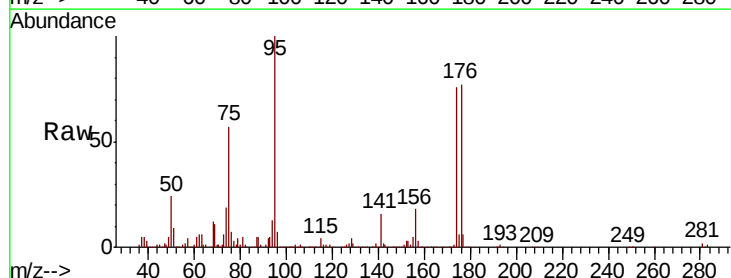
Instrument :
MSVOA_Y
ClientSampleId :

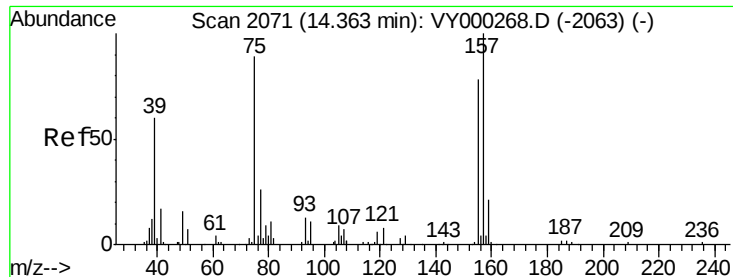
Tot Ion:156 Resp: 58705
Ion Ratio Lower Upper
156 100
77 6.4 101.0 302.9#
158 0.4 49.7 149.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.715 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000284.D
Acq: 11 Oct 2019 20:30

Tgt Ion: 75 Resp: 92098
Ion Ratio Lower Upper
75 100
53 0.2 71.3 106.9#
89 1.9 35.1 52.7#

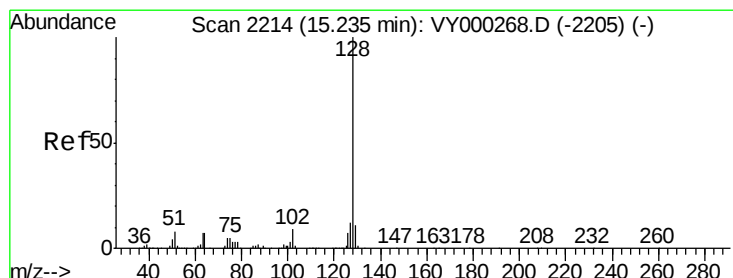
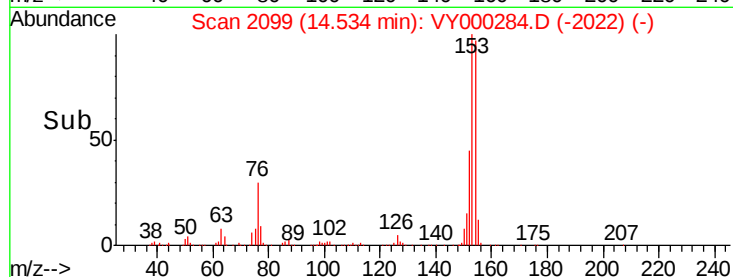
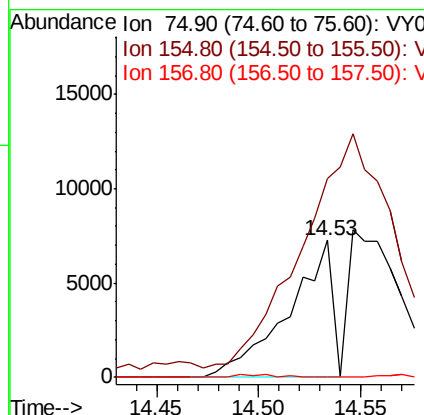
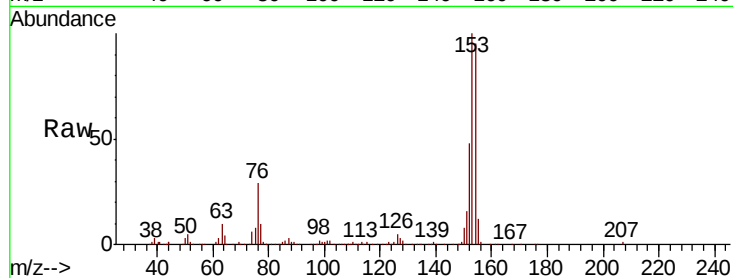




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.464 ug/l
 RT: 14.53 min Scan# 2099
 Delta R.T. 0.17 min
 Lab File: VY000284.D
 Acq: 11 Oct 2019 20:30

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 10837
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.8 137.3#
 157 0.0 55.6 166.9#



#95
 Naphthalene
 Concen: 96.903 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VY000284.D
 Acq: 11 Oct 2019 20:30

Tgt Ion: 128 Resp: 743144
 Ion Ratio Lower Upper
 128 100
 127 12.7 9.6 14.4
 129 11.2 8.7 13.1

