

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
 Data File : VY000584.D
 Acq On : 07 Nov 2019 16:34
 Operator : SY/MD
 Sample : K5723-15
 Misc : 2.82G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 03:48:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	5562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	12002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	11127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	5321	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	5037	87.51	ug/l	0.00
Spiked Amount			Recovery	=	175.02%	
35) Dibromofluoromethane	7.73	113	2247	31.89	ug/l	0.00
Spiked Amount			Recovery	=	63.78%	
50) Toluene-d8	10.18	98	14005	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.48	95	6060	59.54	ug/l	0.00
Spiked Amount			Recovery	=	119.08%	

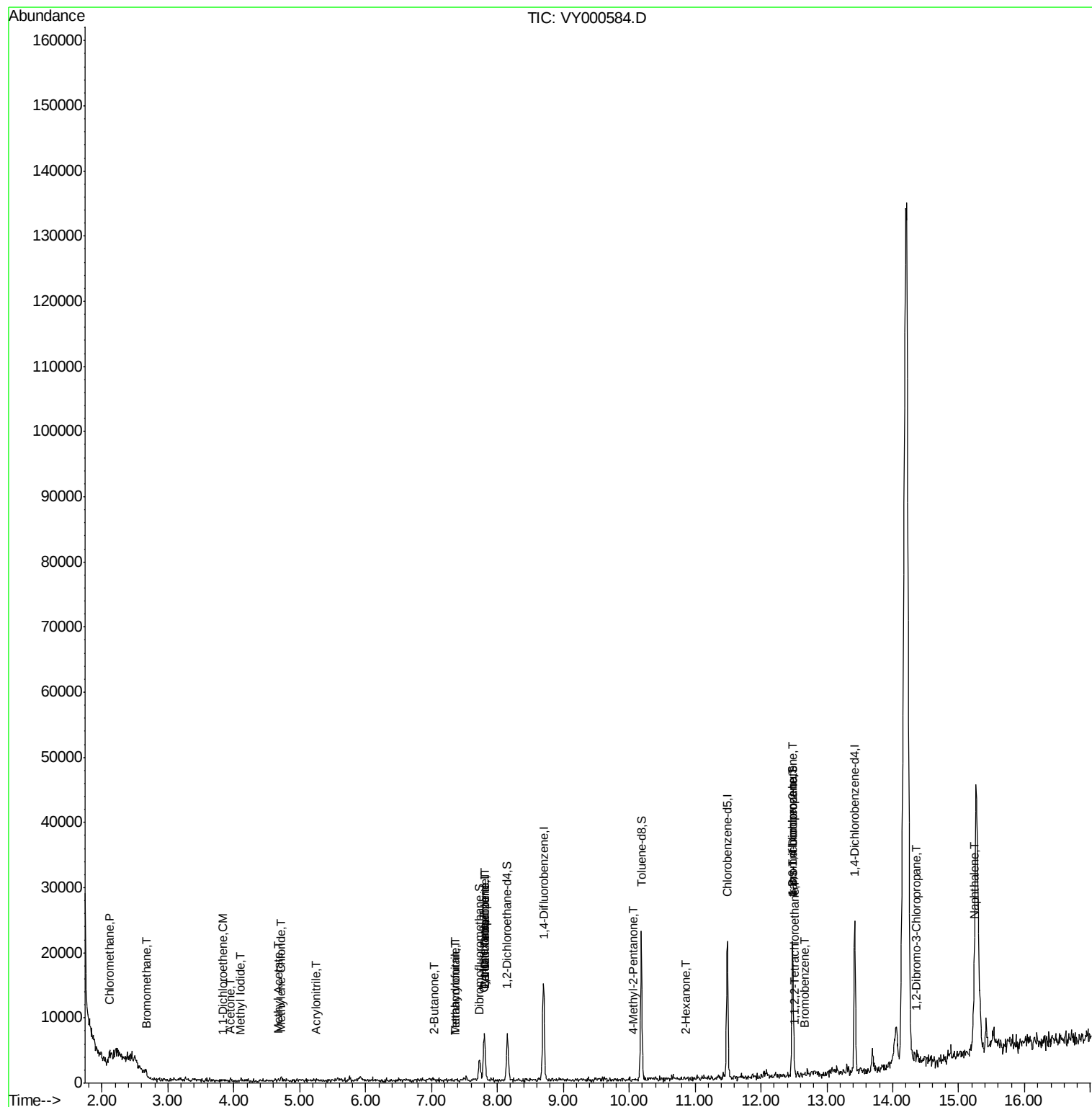
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	501	6.642	ug/l #	77
5) Bromomethane	2.68	94	263	6.262	ug/l #	5
10) Methyl Iodide	4.10	142	82	4.219	ug/l #	41
12) 1,1-Dichloroethene	3.82	96	62	1.116	ug/l #	1
15) Acrylonitrile	5.25	53	44	2.556	ug/l #	18
16) Acetone	3.95	43	193	12.166	ug/l #	71
18) Methyl Acetate	4.68	43	64	1.297	ug/l #	51
20) Methylene Chloride	4.71	84	86	1.265	ug/l #	36
25) 2-Butanone	7.04	43	40	1.580	ug/l #	49
29) Tetrahydrofuran	7.36	42	22	1.420	ug/l #	35
31) Cyclohexane	7.79	56	124	1.113	ug/l #	33
36) 1,1-Dichloropropene	7.81	75	619	5.456	ug/l #	41
38) Carbon Tetrachloride	7.80	117	642	5.880	ug/l #	11
41) Methacrylonitrile	7.37	41	72	1.916	ug/l #	7
51) 4-Methyl-2-Pentanone	10.06	43	78	1.159	ug/l #	37
59) 2-Hexanone	10.85	43	57	1.163	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.52	83	108	1.387	ug/l #	25
76) 1,2,3-Trichloropropane	12.48	75	3126	51.595	ug/l #	100
77) Bromobenzene	12.66	156	119	1.334	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	3126	115.684	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.35	75	51	3.701	ug/l #	1
95) Naphthalene	15.23	128	901	3.761	ug/l #	80

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
Data File : VY000584.D
Acq On : 07 Nov 2019 16:34
Operator : SY/MD
Sample : K5723-15
Misc : 2.82G/5ML/MSVOA Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Nov 08 03:48:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 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: VY000584.D

Acq: 07 Nov 2019 16:34

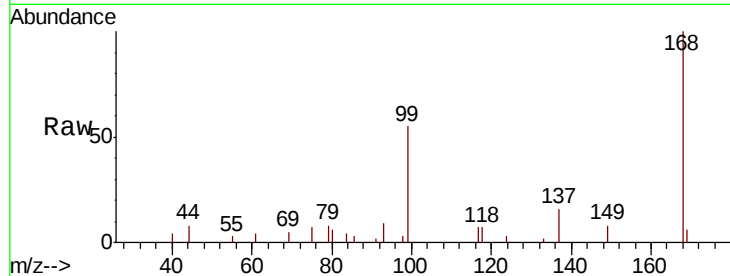
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 5562

Ion Ratio Lower Upper

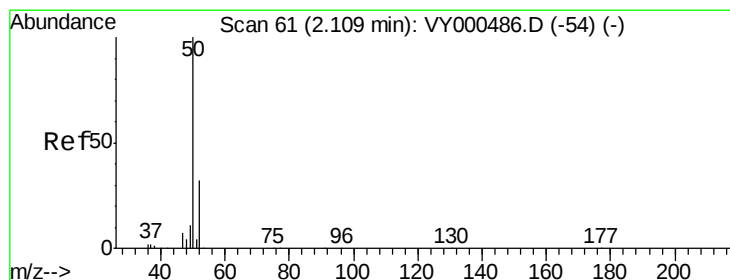
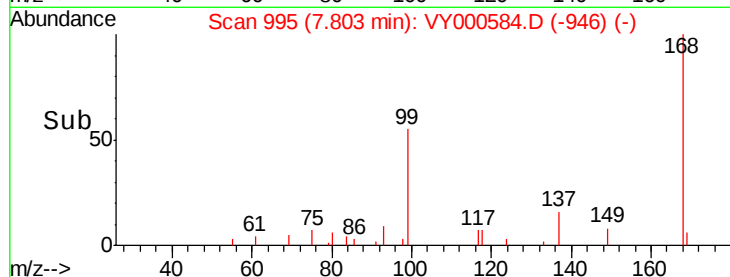
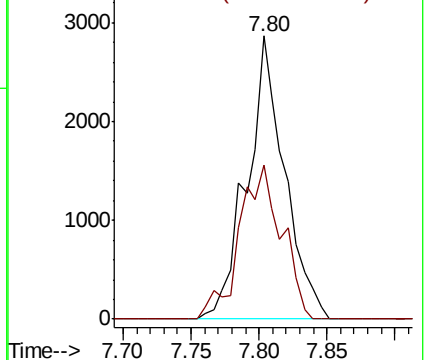
168 100

99 54.6 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)



#3

Chloromethane

Concen: 6.642 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000584.D

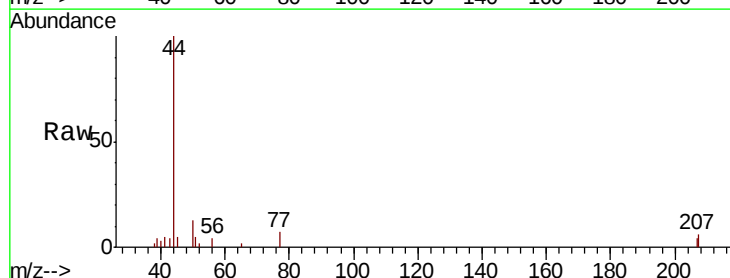
Acq: 07 Nov 2019 16:34

Tgt Ion: 50 Resp: 501

Ion Ratio Lower Upper

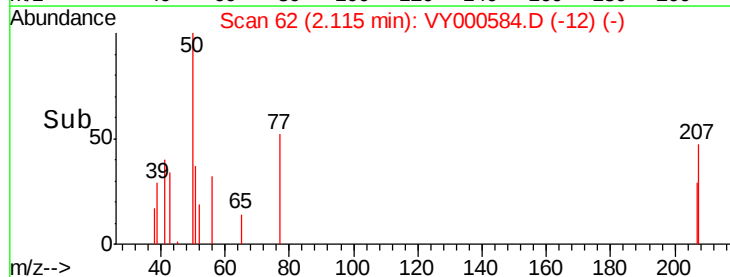
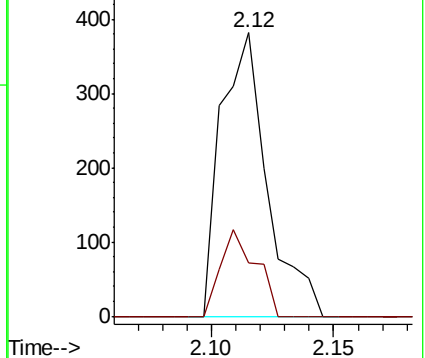
50 100

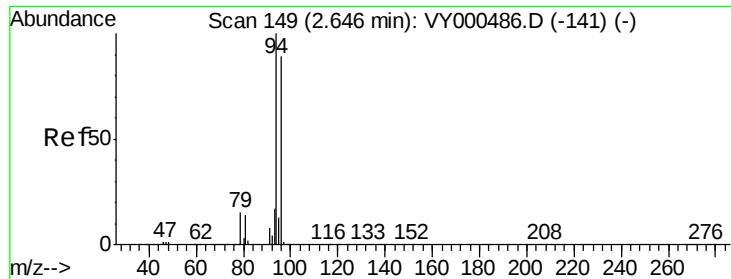
52 18.8 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VY000486.D (-54) (-)

Ion 51.90 (51.60 to 52.60): VY000486.D (-54) (-)





#5

Bromomethane

Concen: 6.262 ug/l

RT: 2.68 min Scan# 155

Delta R.T. 0.04 min

Lab File: VY000584.D

Acq: 07 Nov 2019 16:34

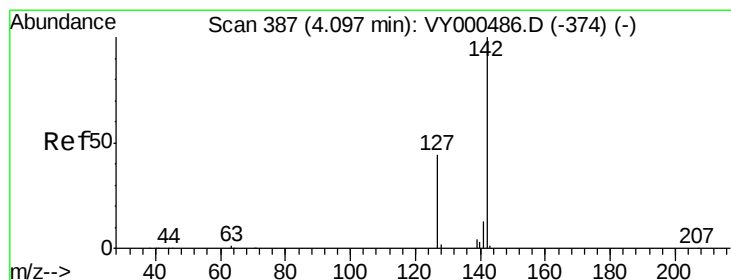
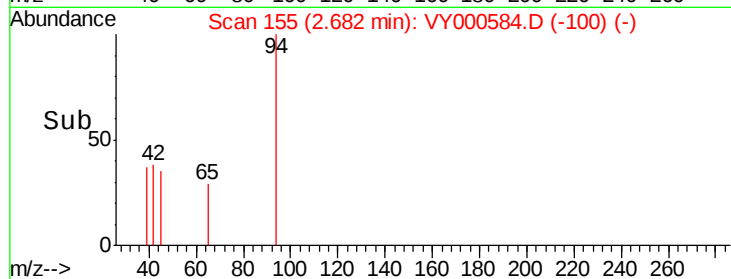
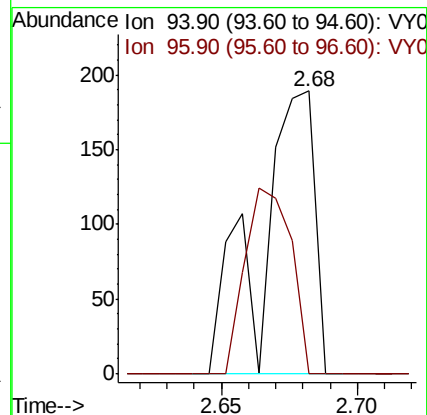
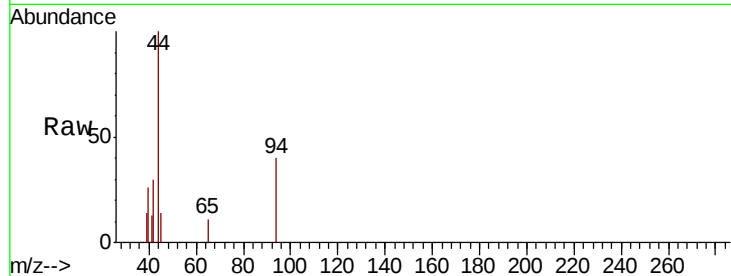
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 94 Resp: 263

Ion Ratio Lower Upper

94 100

96 0.0 71.2 106.8#



#10

Methyl Iodide

Concen: 4.219 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000584.D

Acq: 07 Nov 2019 16:34

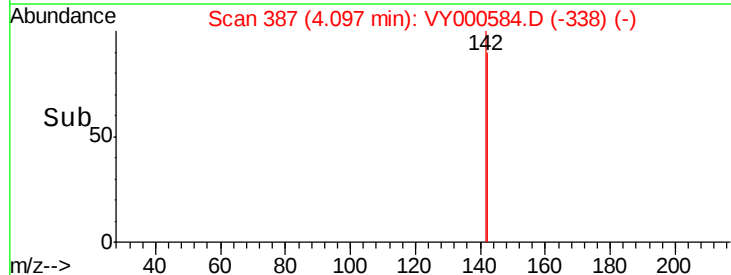
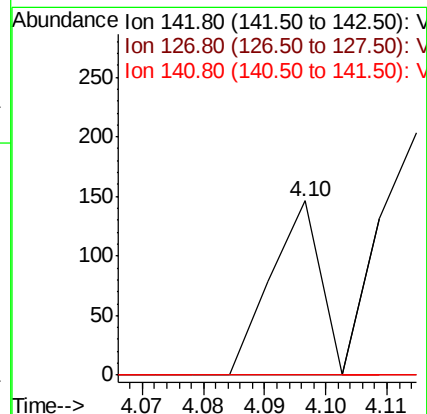
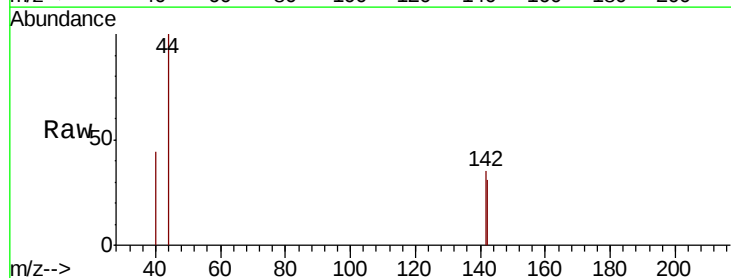
Tgt Ion: 142 Resp: 82

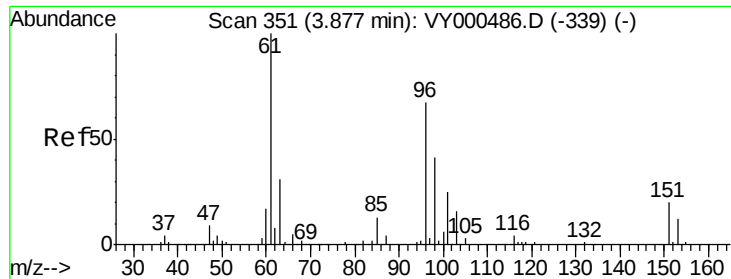
Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

141 0.0 10.9 16.3#

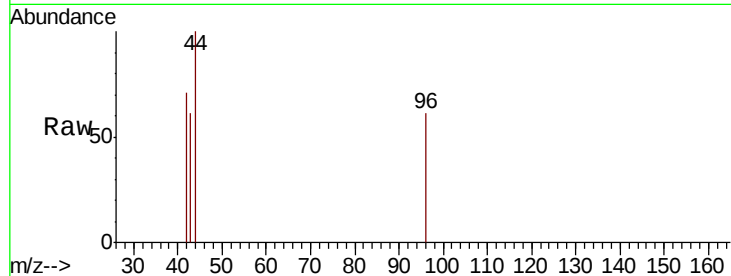




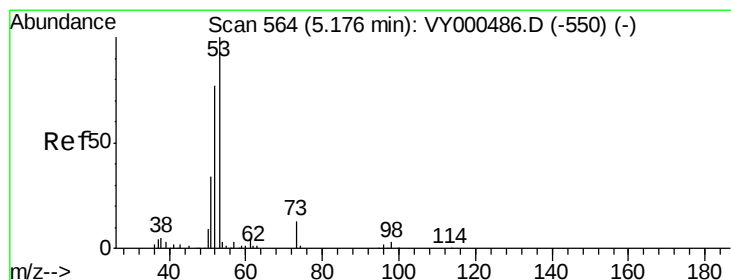
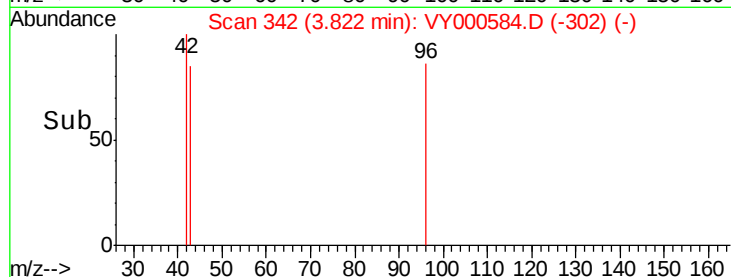
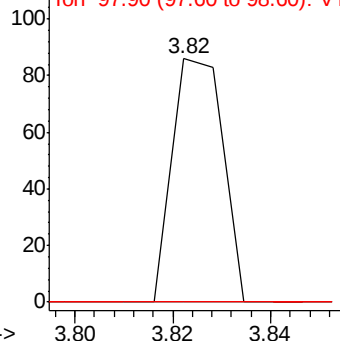
#12
 1,1-Dichloroethene
 Concen: 1.116 ug/l
 RT: 3.82 min Scan# 342
 Delta R.T. -0.05 min
 Lab File: VY000584.D
 Acq: 07 Nov 2019 16:34

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	119.2	178.8#
98	0.0	48.6	73.0#

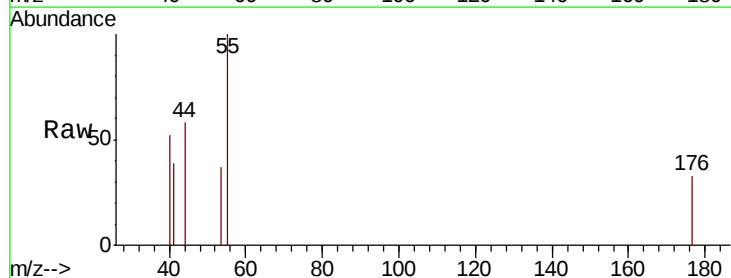


Abundance Ion 95.90 (95.60 to 96.60): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 97.90 (97.60 to 98.60): VY0

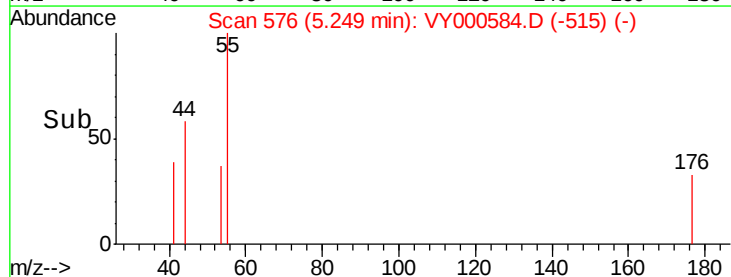
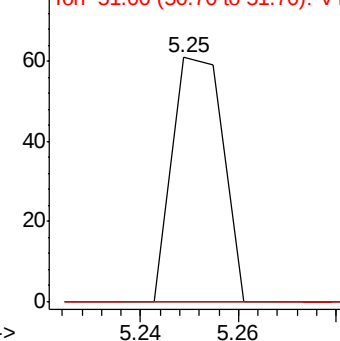


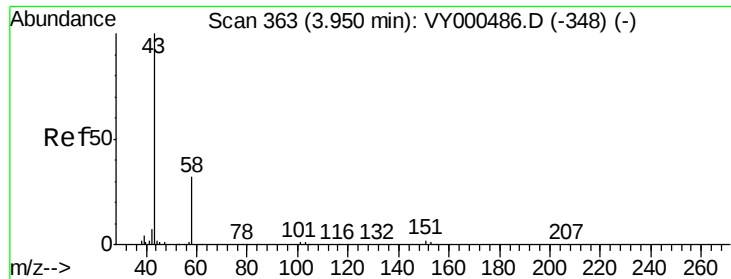
#15
 Acrylonitrile
 Concen: 2.556 ug/l
 RT: 5.25 min Scan# 576
 Delta R.T. 0.07 min
 Lab File: VY000584.D
 Acq: 07 Nov 2019 16:34

Tgt Ion	Ratio	Lower	Upper
53	100		
52	0.0	64.9	97.3#
51	0.0	27.6	41.4#



Abundance Ion 53.00 (52.70 to 53.70): VY0
 Ion 52.00 (51.70 to 52.70): VY0
 Ion 51.00 (50.70 to 51.70): VY0





#16

Acetone

Concen: 12.166 ug/l

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VY000584.D

Acq: 07 Nov 2019 16:34

Instrument :

MSVOA_Y

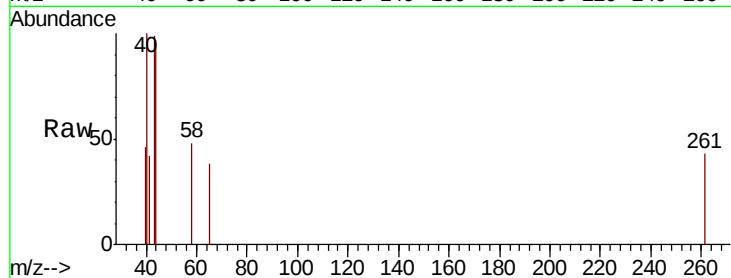
ClientSampleId :

Tot Ion: 43 Resp: 193

Ion Ratio Lower Upper

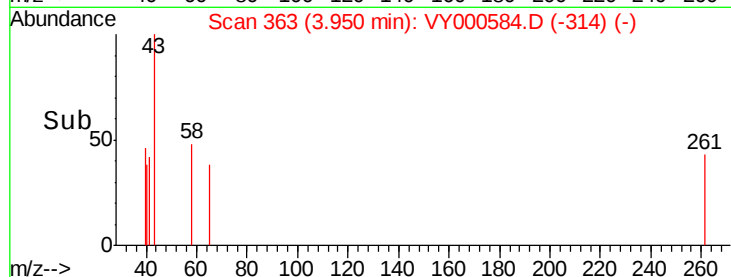
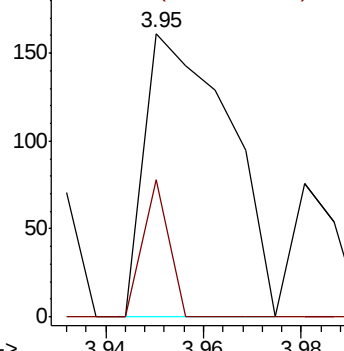
43 100

58 48.4 25.8 38.6#

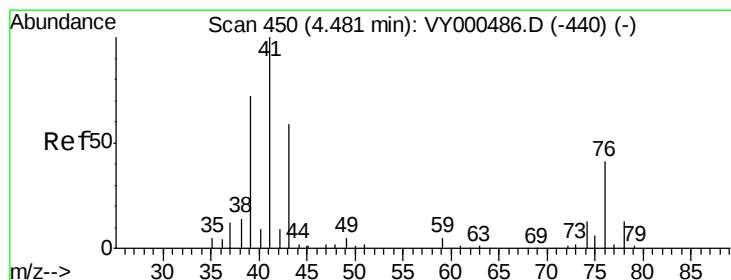


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#18

Methyl Acetate

Concen: 1.297 ug/l

RT: 4.68 min Scan# 482

Delta R.T. 0.20 min

Lab File: VY000584.D

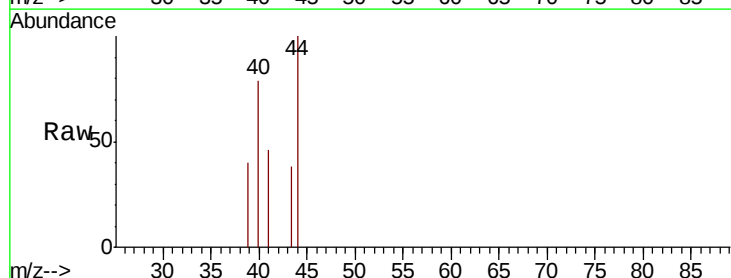
Acq: 07 Nov 2019 16:34

Tgt Ion: 43 Resp: 64

Ion Ratio Lower Upper

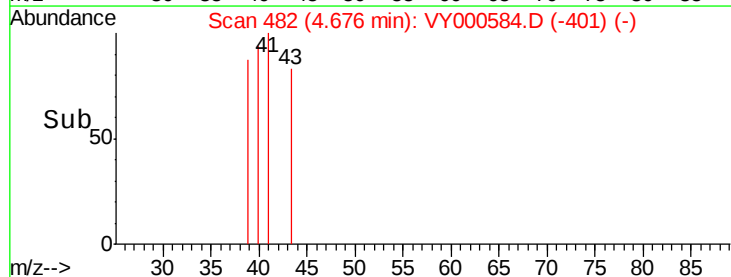
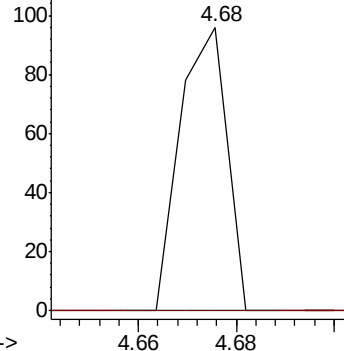
43 100

74 0.0 19.2 28.8#

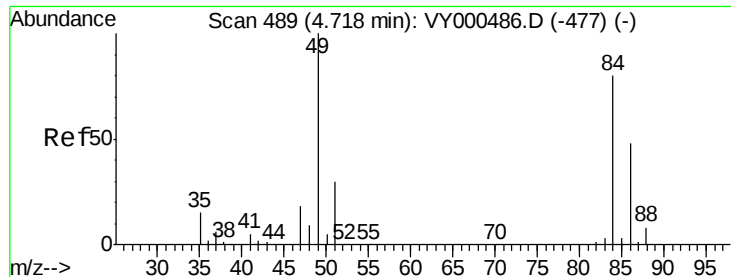


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0



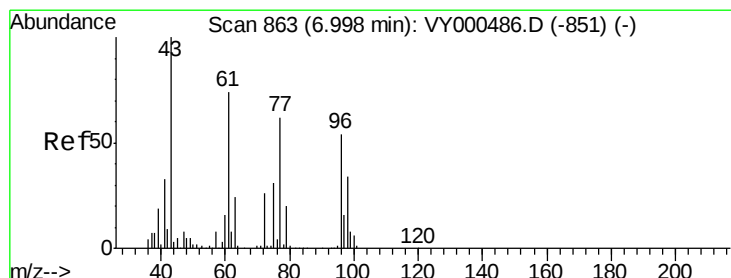
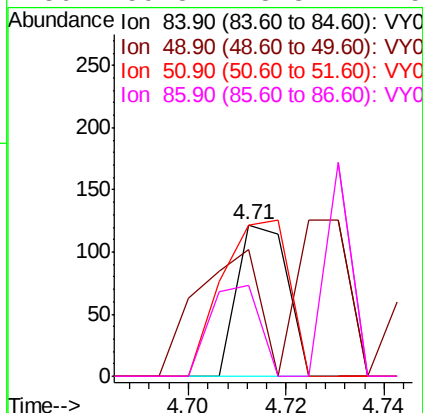
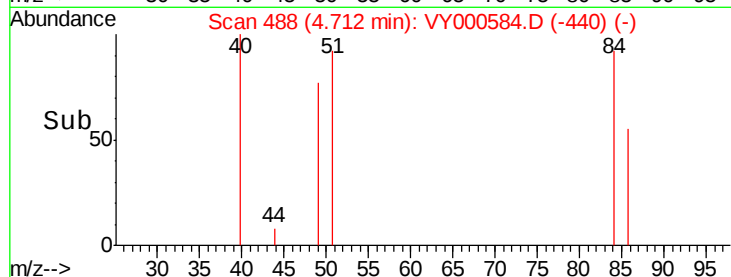
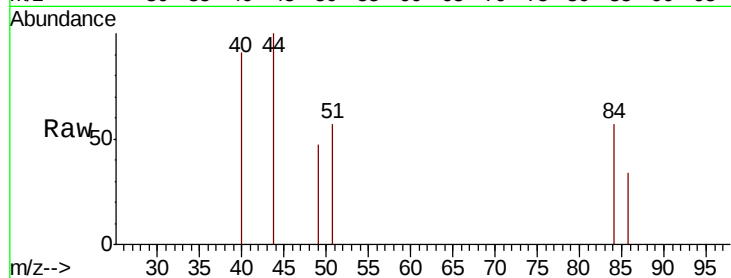
Time-->



#20
Methvlene Chloride
Concen: 1.265 ug/l
RT: 4.71 min Scan# 488
Delta R.T. -0.01 min
Lab File: VY000584.D
Acq: 07 Nov 2019 16:34

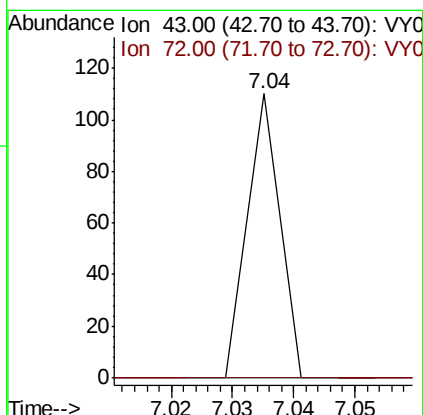
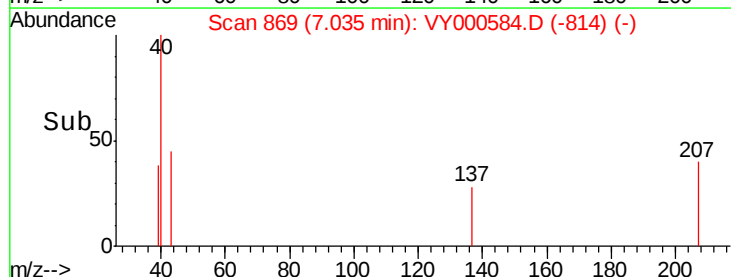
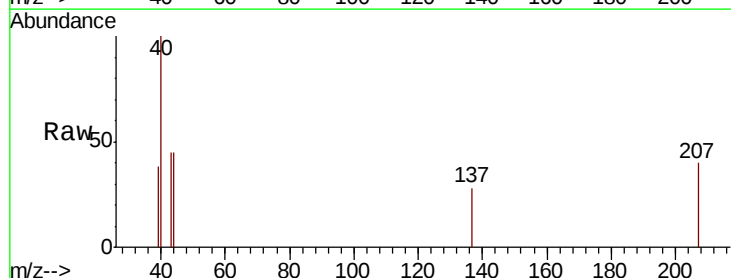
Instrument :
MSVOA_Y
ClientSampled :

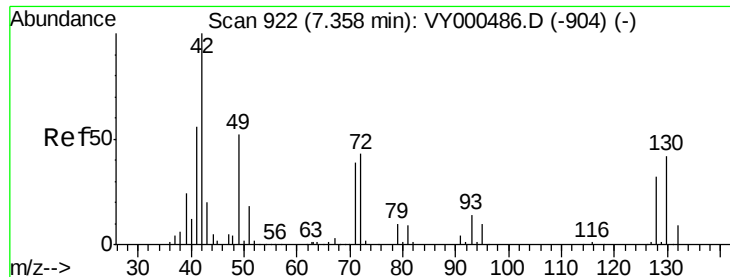
Tot Ion:	84	Resp:	86
Ion	Ratio	Lower	Upper
84	100		
49	32.0	100.2	150.4#
51	100.0	29.6	44.4#
86	59.8	48.3	72.5



#25
2-Butanone
Concen: 1.580 ug/l
RT: 7.04 min Scan# 869
Delta R.T. 0.04 min
Lab File: VY000584.D
Acq: 07 Nov 2019 16:34

Tgt Ion:	43	Resp:	40
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.9	31.3#

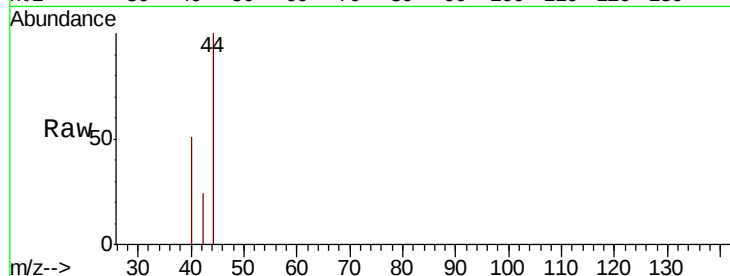




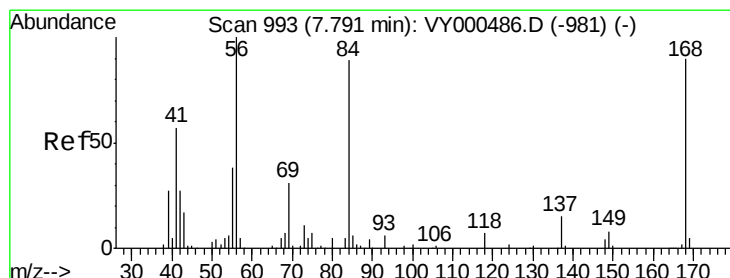
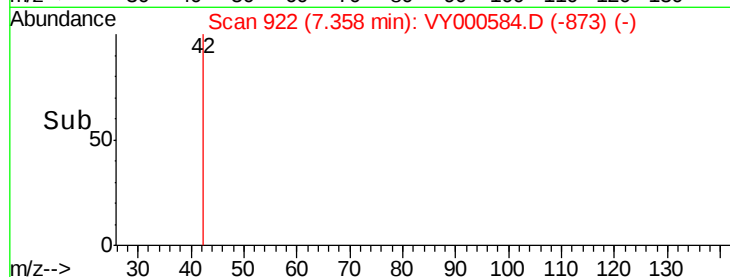
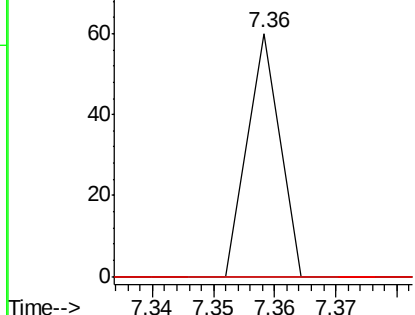
#29
Tetrahydrofuran
Concen: 1.420 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY000584.D
Acq: 07 Nov 2019 16:34

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 42 Resp: 22
Ion Ratio Lower Upper
42 100
72 0.0 34.0 51.0#
71 0.0 30.8 46.2#

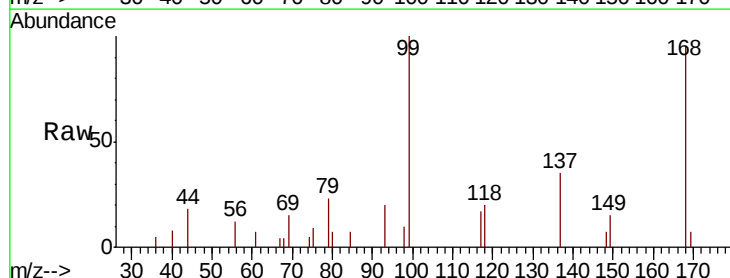


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

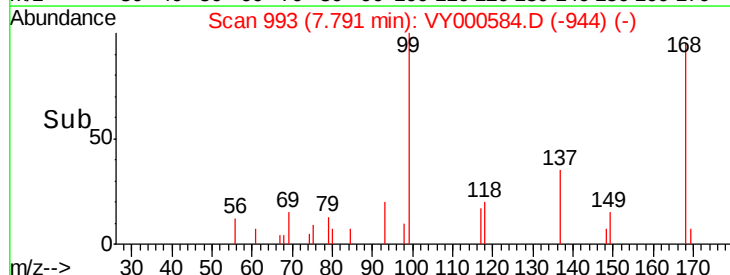
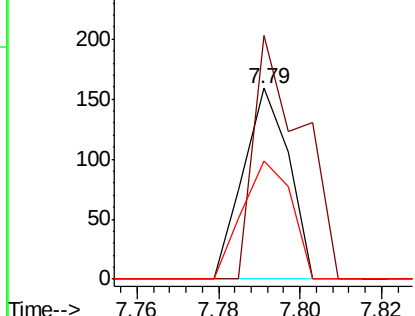


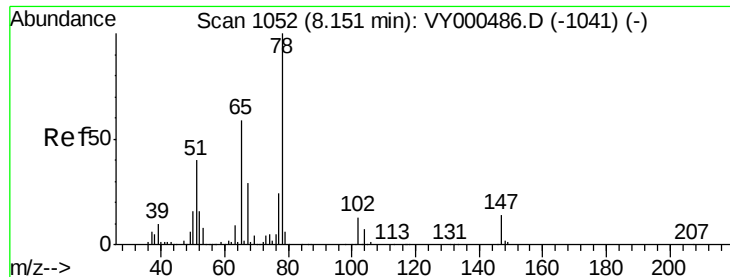
#31
Cyclohexane
Concen: 1.113 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY000584.D
Acq: 07 Nov 2019 16:34

Tgt Ion: 56 Resp: 124
Ion Ratio Lower Upper
56 100
69 127.7 25.0 37.6#
84 61.6 71.4 107.2#



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

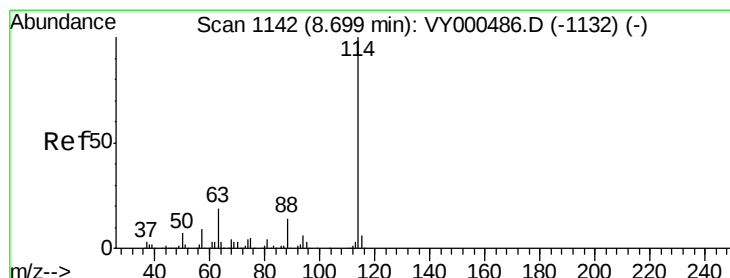
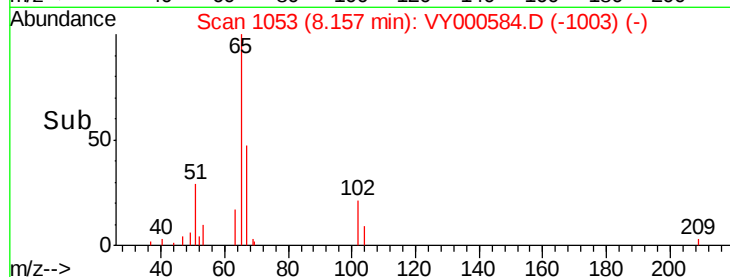
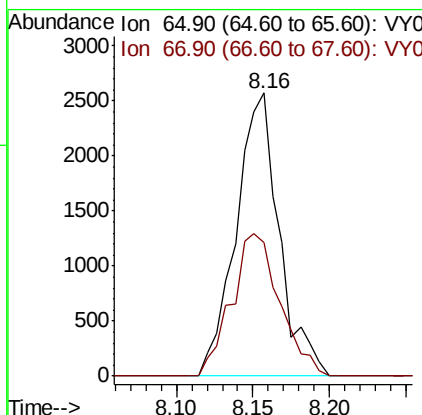
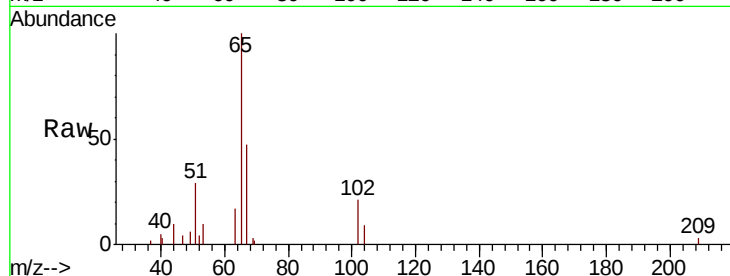




#33
 1,2-Dichloroethane-d4
 Concen: 87.510 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY000584.D
 Acq: 07 Nov 2019 16:34

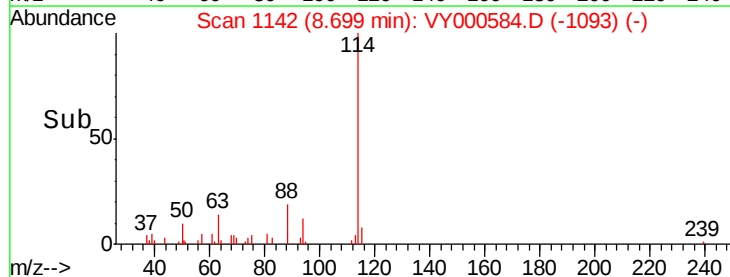
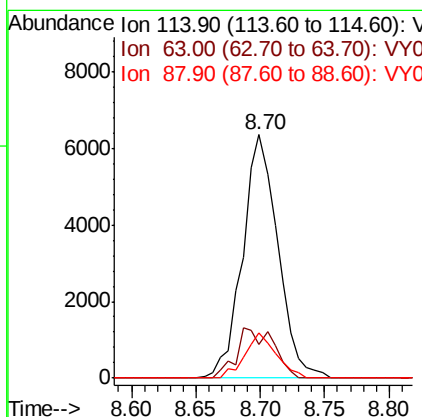
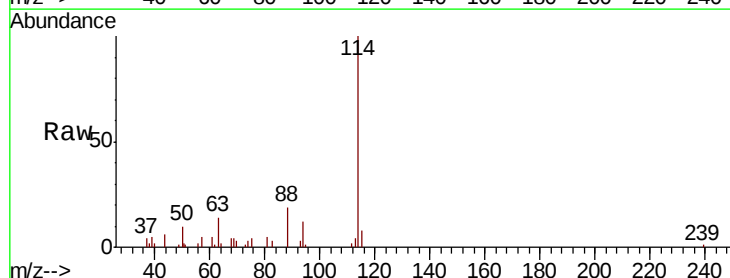
Instrument :
 MSVOA_Y
 ClientSampleId :

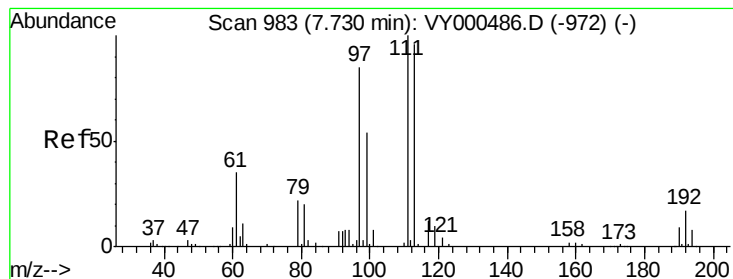
Tot Ion: 65 Resp: 5037
 Ion Ratio Lower Upper
 65 100
 67 56.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000584.D
 Acq: 07 Nov 2019 16:34

Tgt Ion: 114 Resp: 12002
 Ion Ratio Lower Upper
 114 100
 63 13.7 0.0 38.0
 88 18.5 0.0 28.6





#35

Dibromofluoromethane

Concen: 31.891 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000584.D

Acq: 07 Nov 2019 16:34

Instrument :

MSVOA_Y

ClientSampled :

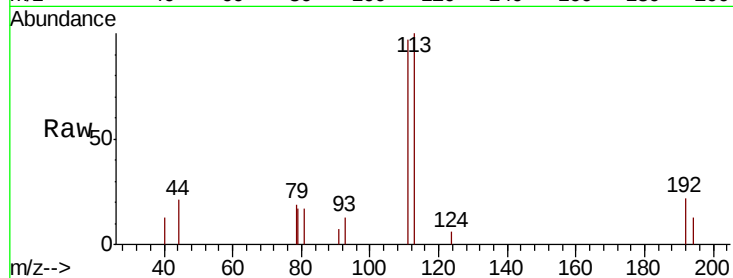
Tot Ion:113 Resp: 2247

Ion Ratio Lower Upper

113 100

111 94.5 81.7 122.5

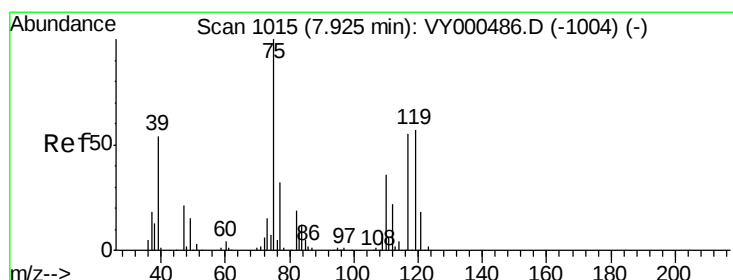
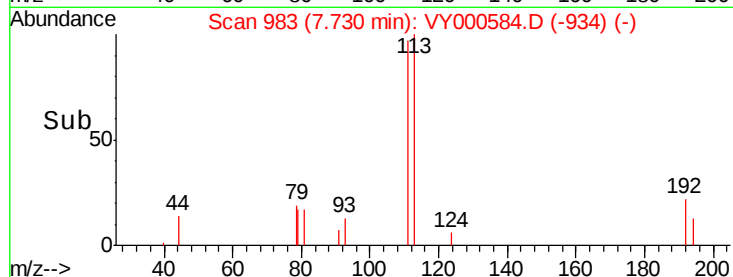
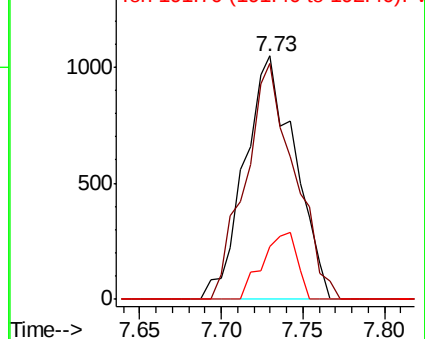
192 18.6 15.0 22.4



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: 5.456 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

Lab File: VY000584.D

Acq: 07 Nov 2019 16:34

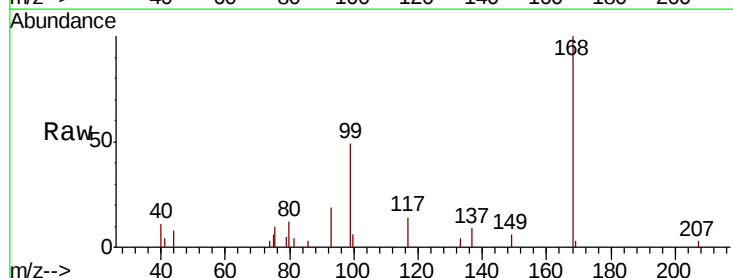
Tgt Ion: 75 Resp: 619

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.1#

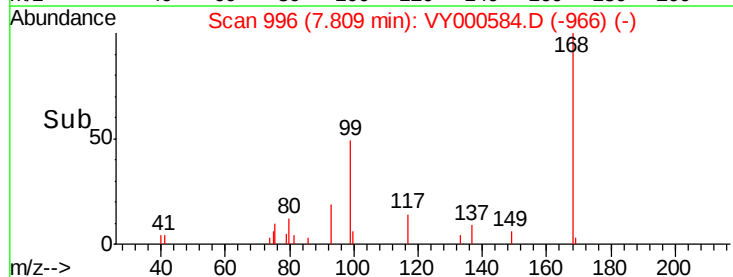
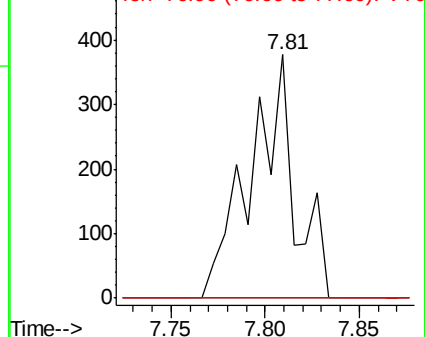
77 0.0 25.0 37.6#

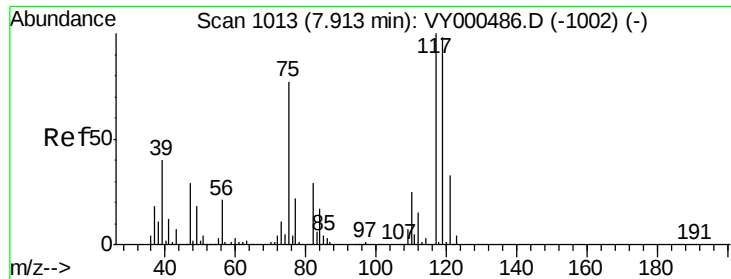


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 5.880 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000584.D

Acq: 07 Nov 2019 16:34

Instrument :

MSVOA_Y

ClientSampled :

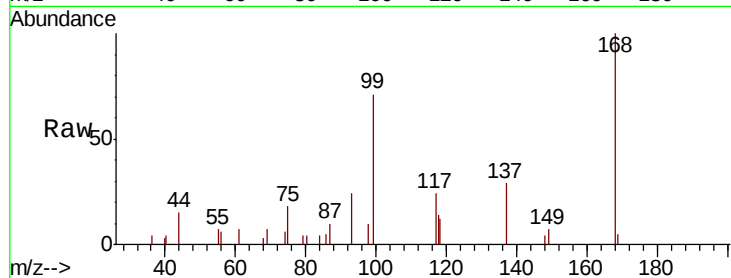
Tot Ion:117 Resp: 642

Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

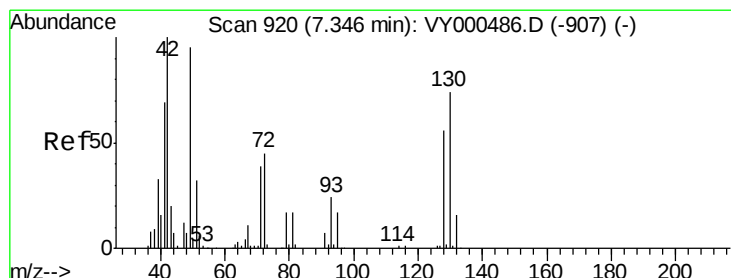
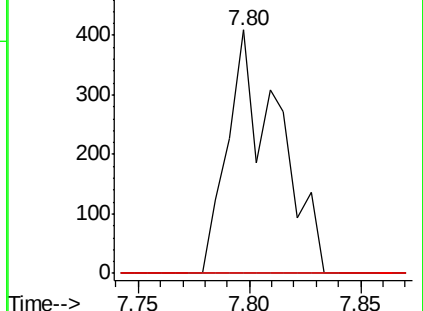
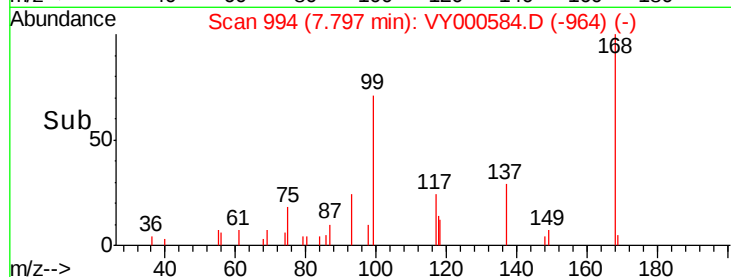
121 0.0 26.6 40.0#



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



#41

Methacrylonitrile

Concen: 1.916 ug/l

RT: 7.37 min Scan# 924

Delta R.T. 0.02 min

Lab File: VY000584.D

Acq: 07 Nov 2019 16:34

Tgt Ion: 41 Resp: 72

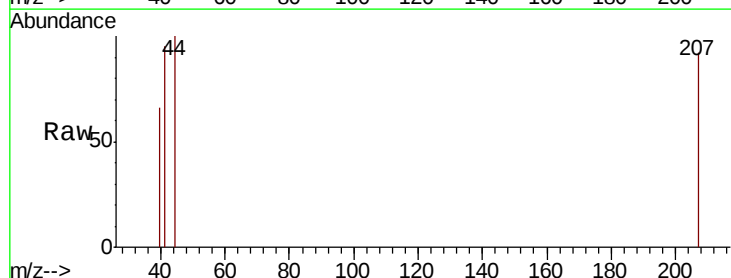
Ion Ratio Lower Upper

41 100

39 0.0 68.2 102.4#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

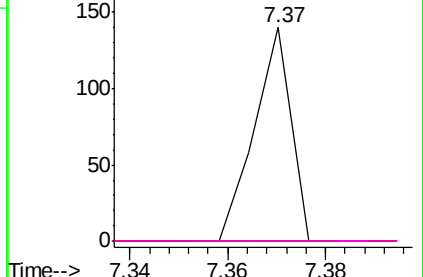
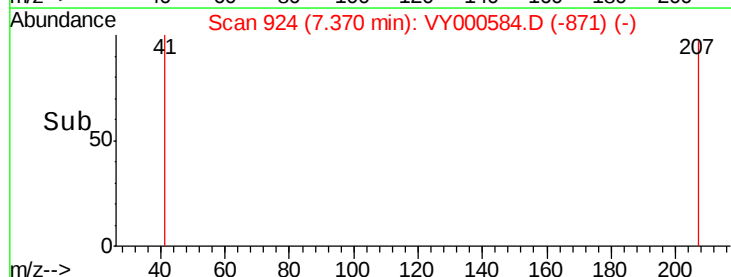


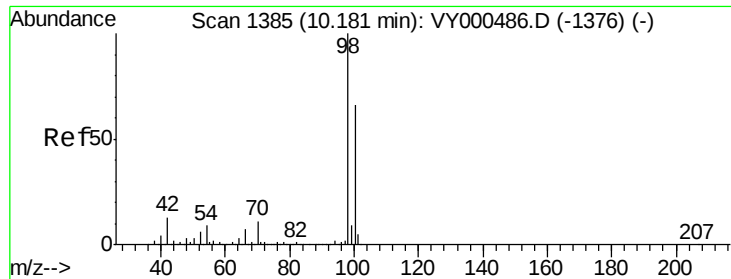
Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#50

Toluene-d8

Concen: 52.383 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000584.D

Acq: 07 Nov 2019 16:34

Instrument :

MSVOA_Y

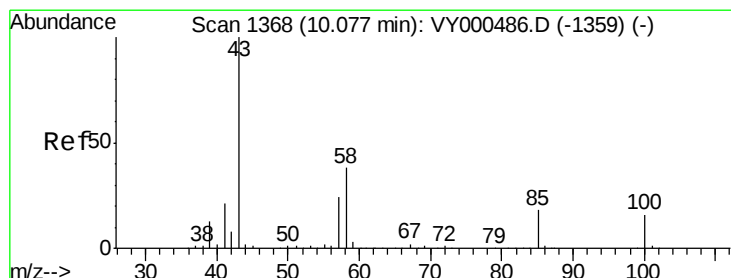
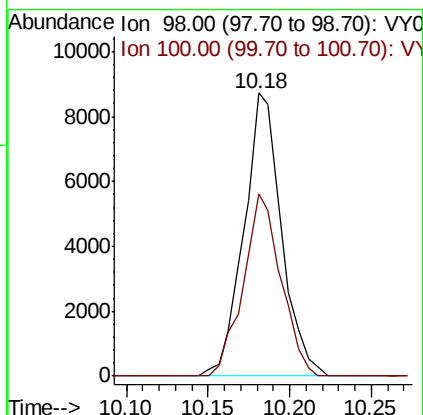
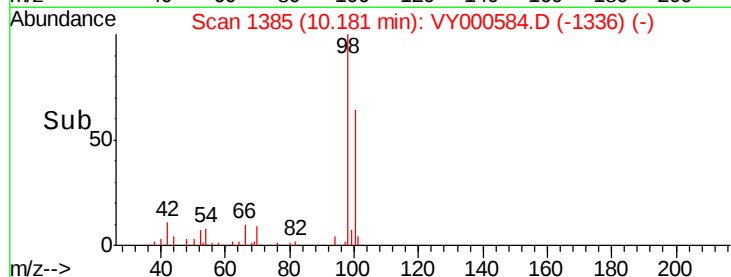
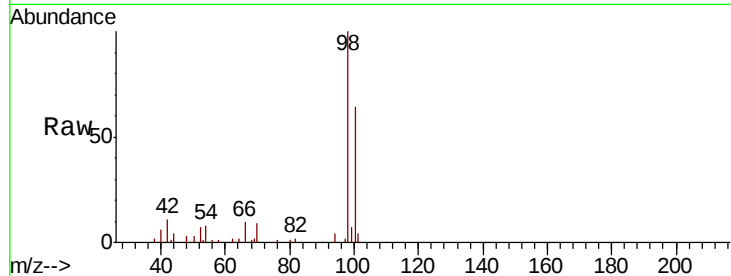
ClientSampleId :

Tot Ion: 98 Resp: 14005

Ion Ratio Lower Upper

98 100

100 64.5 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 1.159 ug/l

RT: 10.06 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VY000584.D

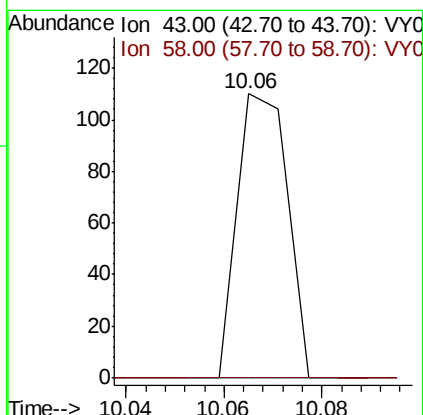
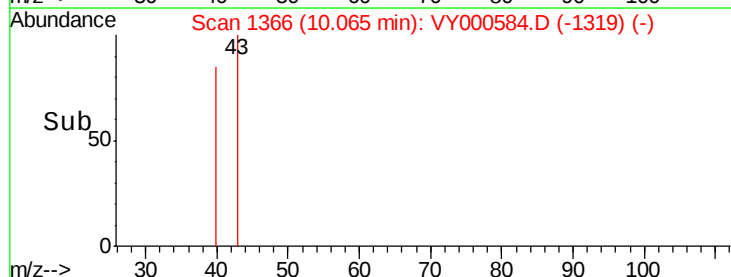
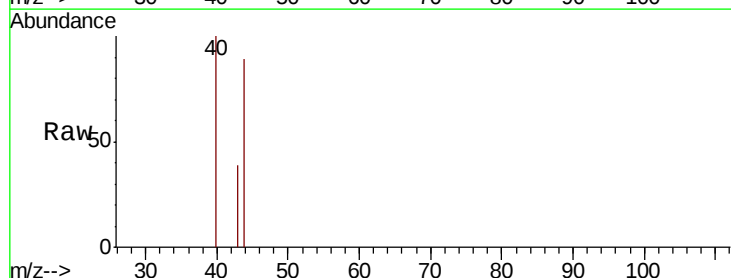
Acq: 07 Nov 2019 16:34

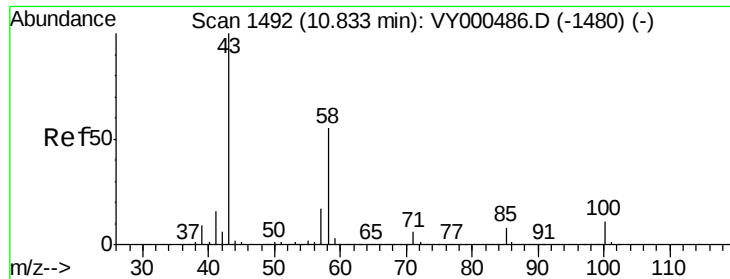
Tgt Ion: 43 Resp: 78

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.4#





#59

2-Hexanone

Concen: 1.163 ug/l

RT: 10.85 min Scan# 1495

Delta R.T. 0.02 min

Lab File: VY000584.D

Acq: 07 Nov 2019 16:34

Instrument :

MSVOA_Y

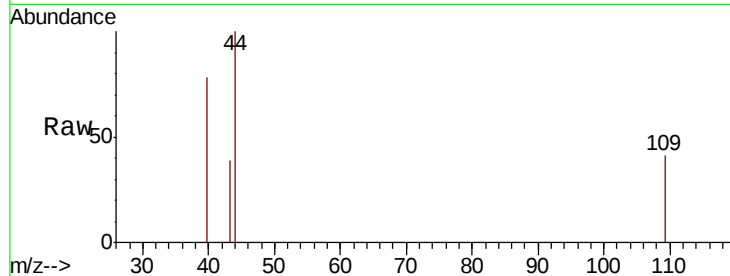
ClientSampleId :

Tot Ion: 43 Resp: 57

Ion Ratio Lower Upper

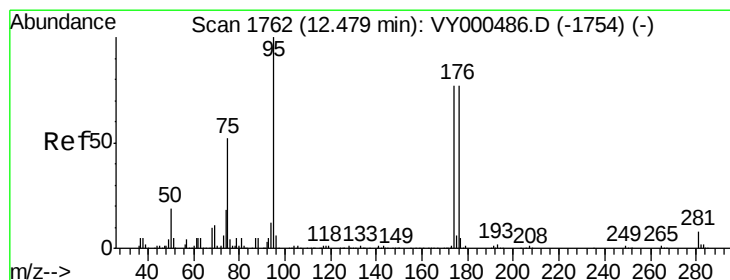
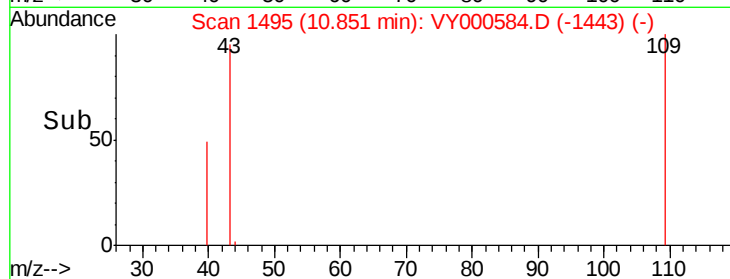
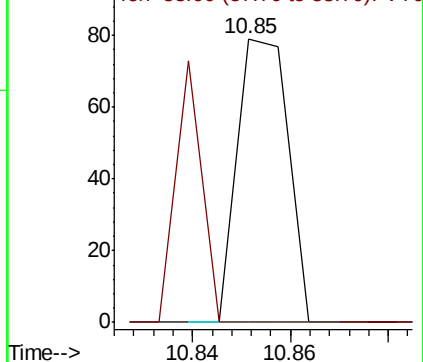
43 100

58 47.4 27.1 81.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 59.540 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000584.D

Acq: 07 Nov 2019 16:34

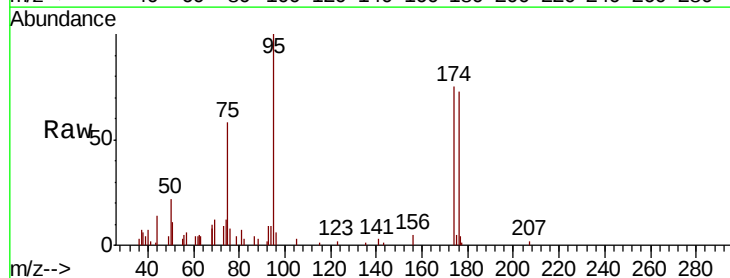
Tgt Ion: 95 Resp: 6060

Ion Ratio Lower Upper

95 100

174 72.2 0.0 161.6

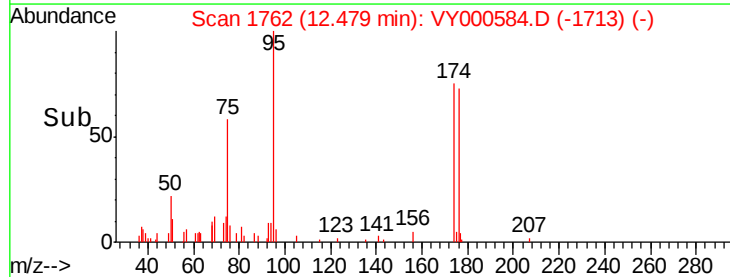
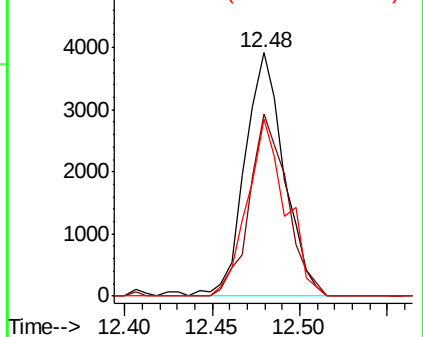
176 71.9 0.0 157.8

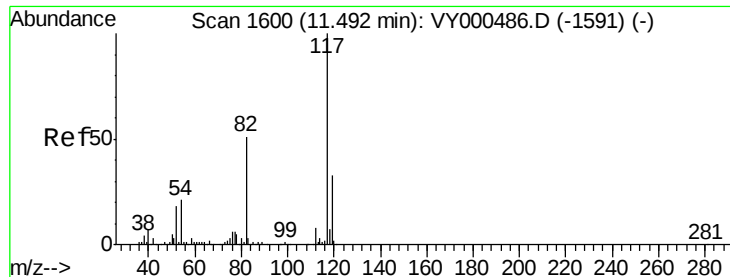


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

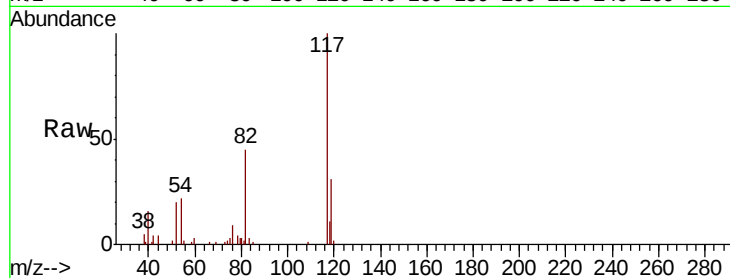




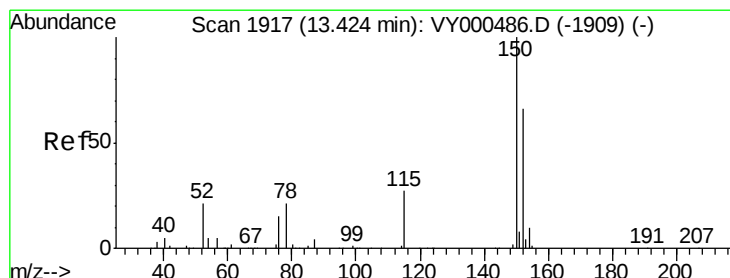
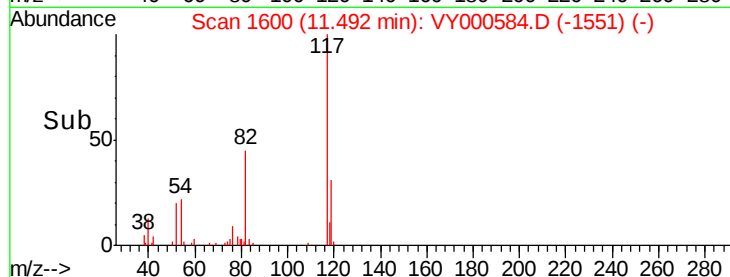
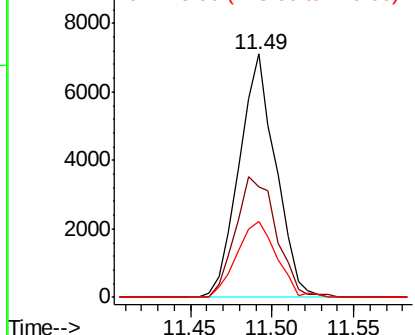
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000584.D
Acq: 07 Nov 2019 16:34

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 11127
Ion Ratio Lower Upper
117 100
82 45.4 40.8 61.2
119 31.2 26.2 39.2

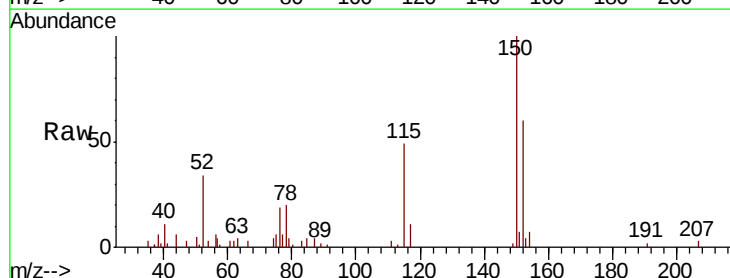


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

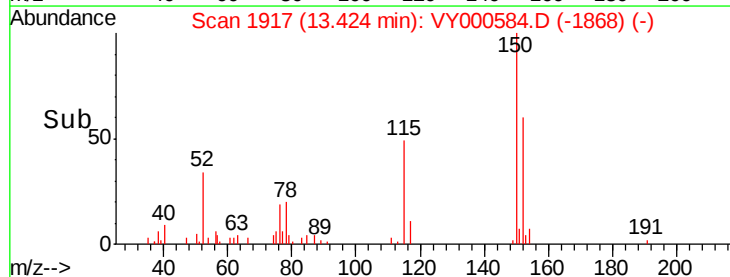
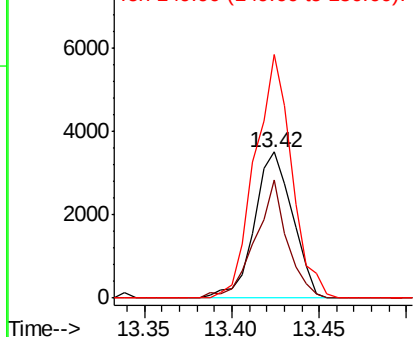


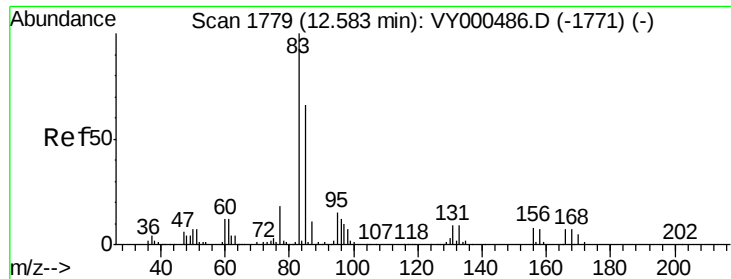
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000584.D
Acq: 07 Nov 2019 16:34

Tgt Ion:152 Resp: 5321
Ion Ratio Lower Upper
152 100
115 68.4 29.1 87.4
150 161.7 0.0 348.8



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





#75

1,1,2,2-Tetrachloroethane

Concen: 1.387 ug/l

RT: 12.52 min Scan# 1768

Delta R.T. -0.07 min

Lab File: VY000584.D

Acq: 07 Nov 2019 16:34

Instrument :

MSVOA_Y

ClientSampleId :

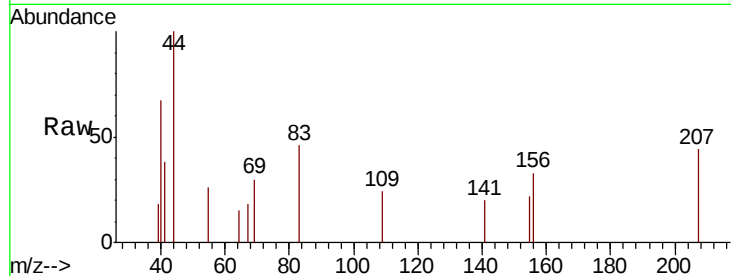
Tot Ion: 83 Resp: 108

Ion Ratio Lower Upper

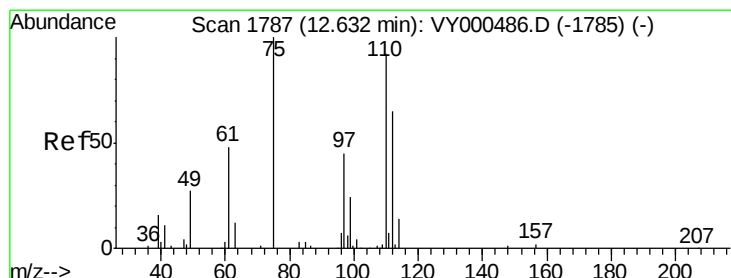
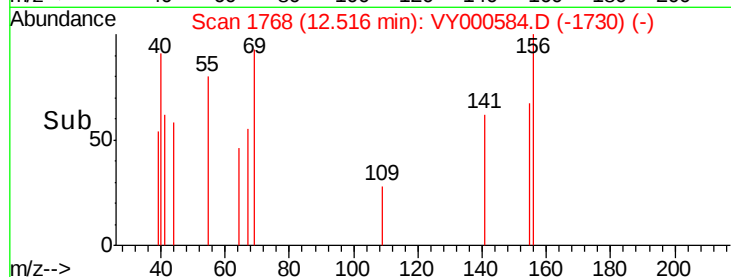
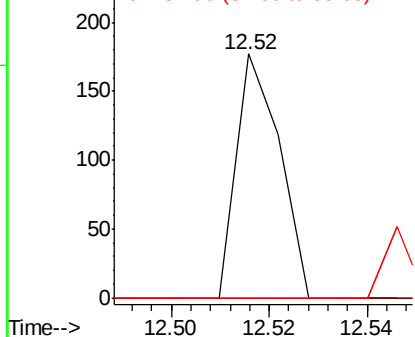
83 100

131 0.0 5.0 14.9#

85 0.0 32.3 96.9#



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 130.80 (130.50 to 131.50): VY0
Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 51.595 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000584.D

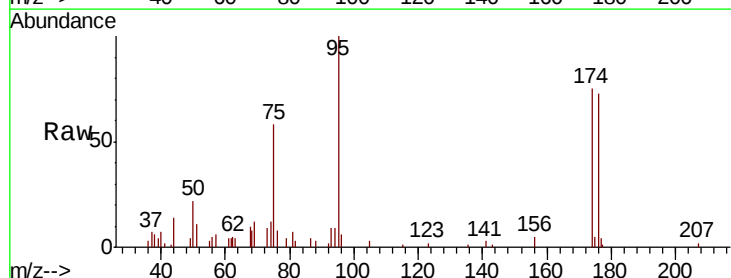
Acq: 07 Nov 2019 16:34

Tgt Ion: 75 Resp: 3126

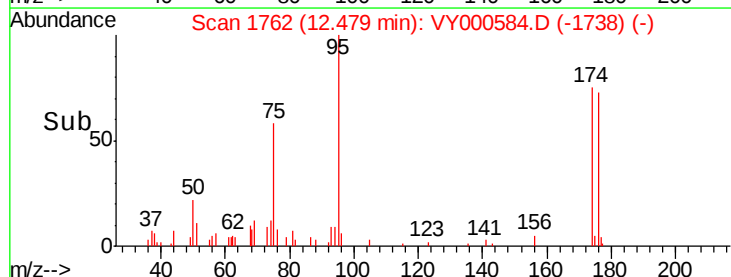
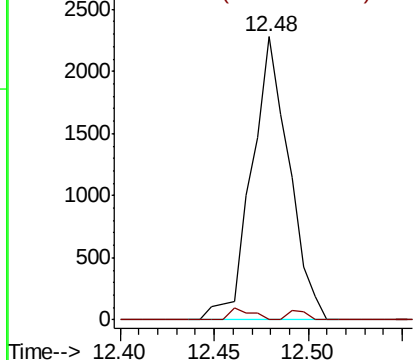
Ion Ratio Lower Upper

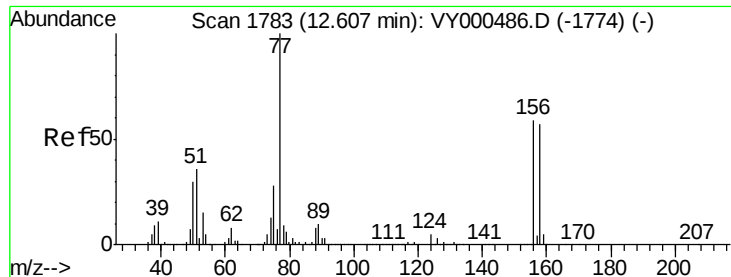
75 100

77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 1.334 ug/l

RT: 12.66 min Scan# 1792

Delta R.T. 0.05 min

Lab File: VY000584.D

Acq: 07 Nov 2019 16:34

Instrument :

MSVOA_Y

ClientSampleId :

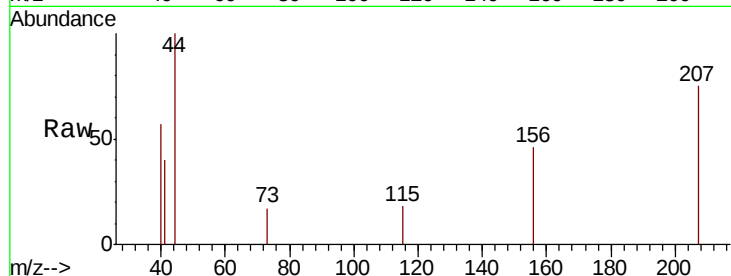
Tot Ion:156 Resp: 119

Ion Ratio Lower Upper

156 100

77 0.0 98.2 294.4#

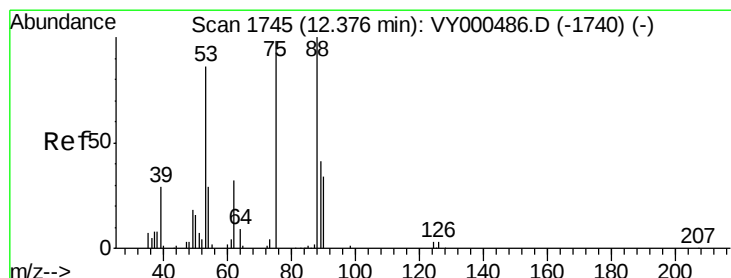
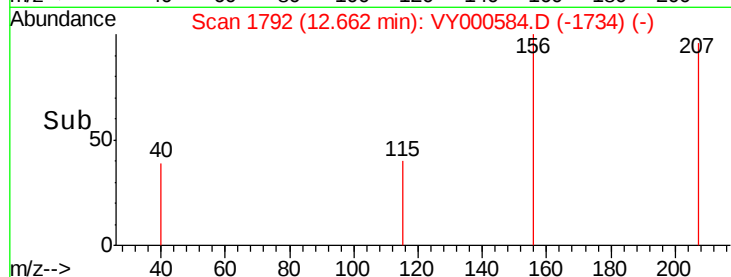
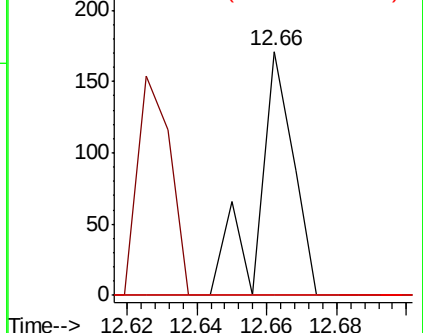
158 0.0 49.6 149.0#



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: 115.684 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000584.D

Acq: 07 Nov 2019 16:34

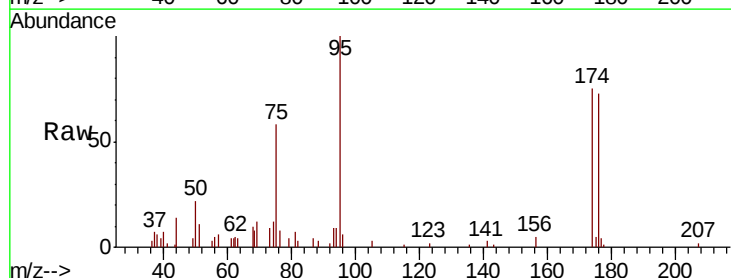
Tgt Ion: 75 Resp: 3126

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

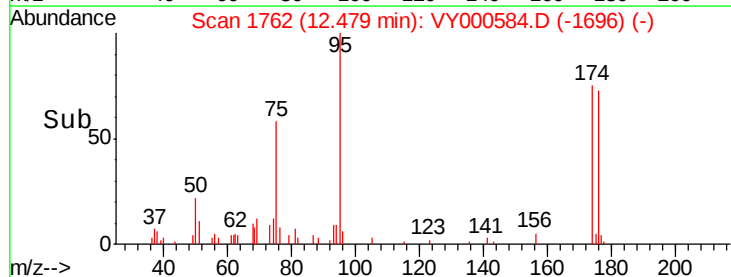
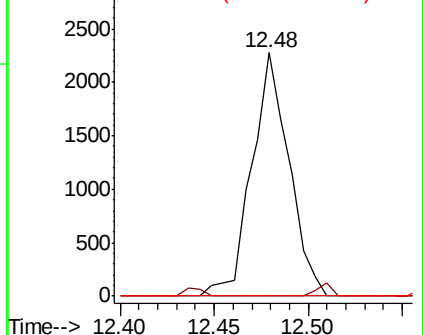
89 0.0 35.9 53.9#

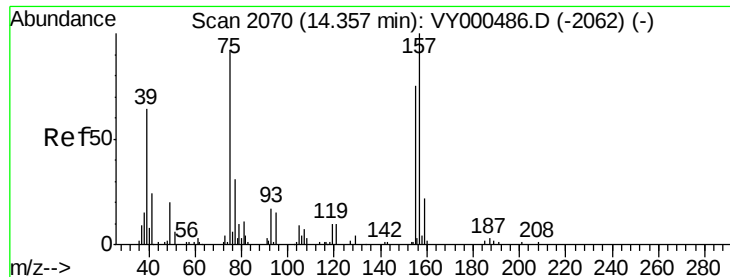


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

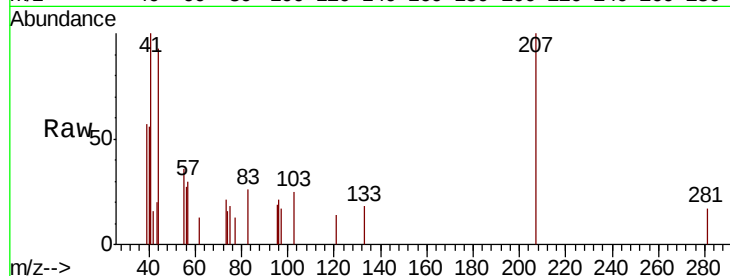




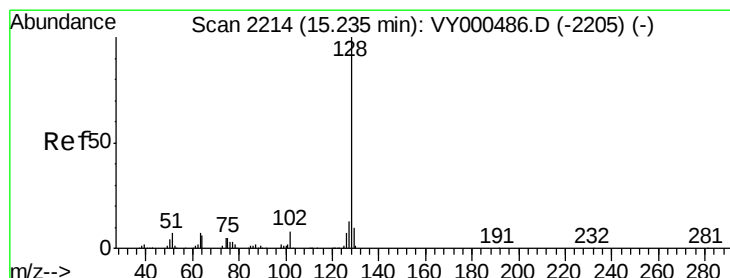
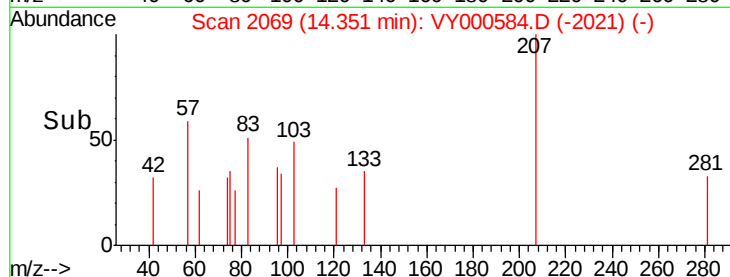
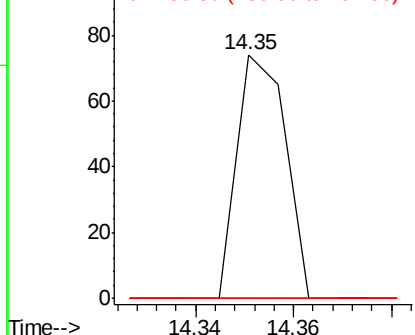
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.701 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: VY000584.D
 Acq: 07 Nov 2019 16:34

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 51
 Ion Ratio Lower Upper
 75 100
 155 0.0 42.4 127.1#
 157 0.0 55.1 165.3#

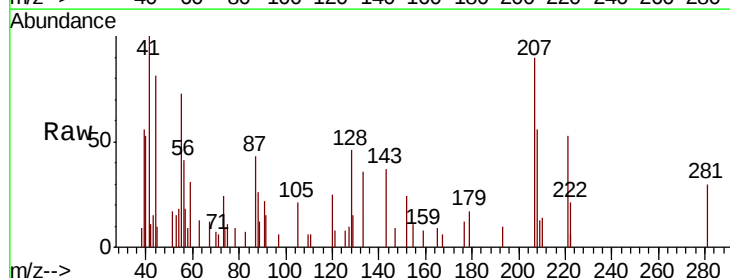


Abundance Ion 74.90 (74.60 to 75.60): VY
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V



#95
 Naphthalene
 Concen: 3.761 ug/l
 RT: 15.23 min Scan# 2213
 Delta R.T. -0.01 min
 Lab File: VY000584.D
 Acq: 07 Nov 2019 16:34

Tgt Ion: 128 Resp: 901
 Ion Ratio Lower Upper
 128 100
 127 16.6 9.8 14.6#
 129 0.0 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

