

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022020\
 Data File : VY001726.D
 Acq On : 20 Feb 2020 16:26
 Operator : SY/MD
 Sample : L1631-01
 Misc : 4.72G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 21 08:05:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	191873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	349958	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	305972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	122503	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	116724	56.56	ug/l	0.00
Spiked Amount			Recovery	=	113.12%	
35) Dibromofluoromethane	7.75	113	103194	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
50) Toluene-d8	10.19	98	419381	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	
62) 4-Bromofluorobenzene	12.49	95	138660	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	

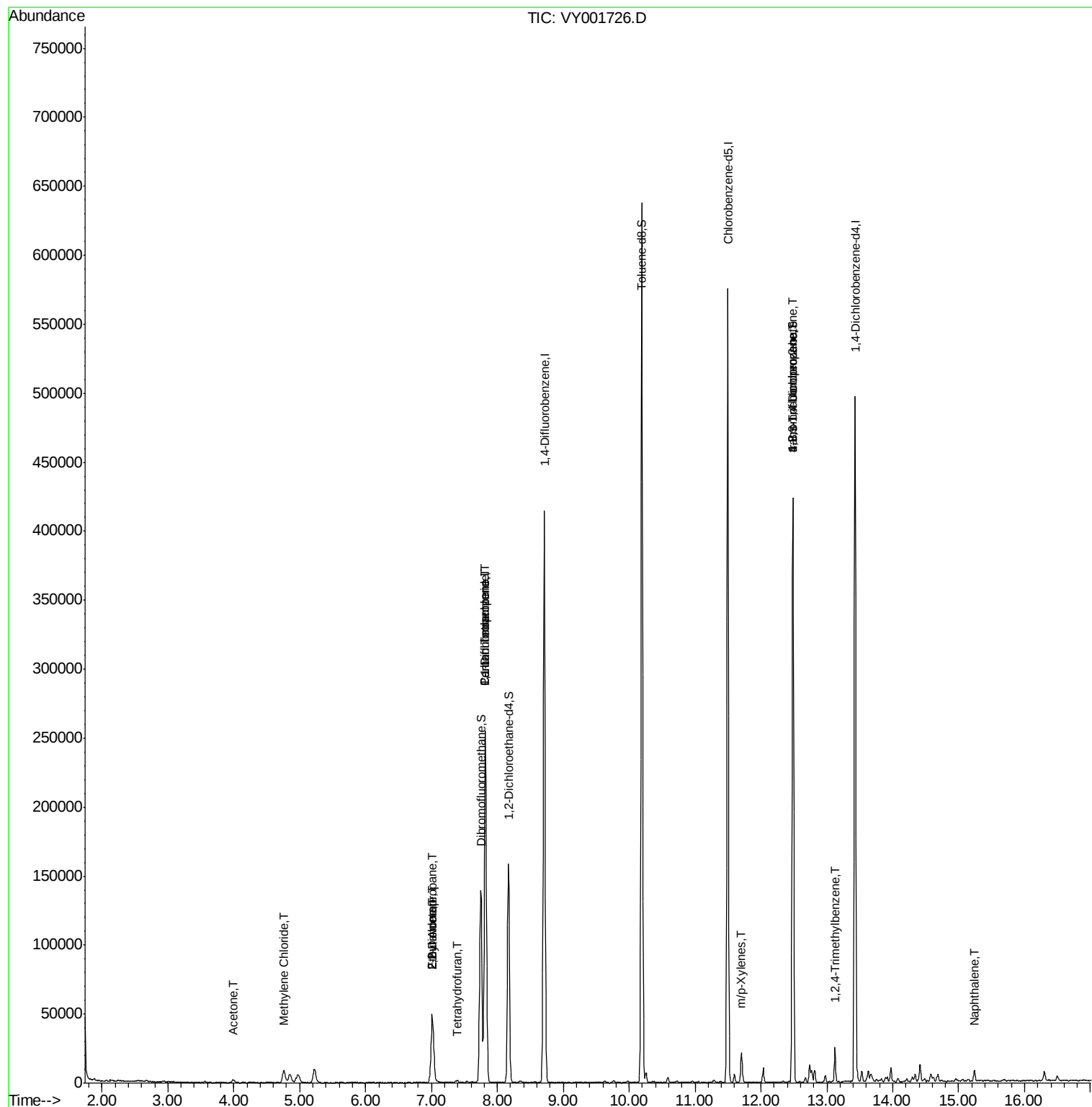
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	3846	Below Cal	#	79
16) Acetone	3.99	43	3340	4.677	ug/l	95
20) Methylene Chloride	4.77	84	6224	2.454	ug/l #	93
25) 2-Butanone	7.01	43	3071	3.166	ug/l #	69
26) 2,2-Dichloropropane	7.00	77	3885	1.098	ug/l #	52
29) Tetrahydrofuran	7.39	42	1438	2.452	ug/l #	87
36) 1,1-Dichloropropene	7.82	75	16343	4.889	ug/l #	50
37) Ethyl Acetate	7.01	43	3071	1.539	ug/l #	17
38) Carbon Tetrachloride	7.82	117	19090	6.502	ug/l #	18
68) m/p-Xylenes	11.70	106	6645	1.569	ug/l	98
76) 1,2,3-Trichloropropane	12.49	75	69027	49.120	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	69027	93.189	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.13	105	12884	1.673	ug/l	98
95) Naphthalene	15.24	128	6269	1.133	ug/l #	95

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

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Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001726.D

Acq: 20 Feb 2020 16:26

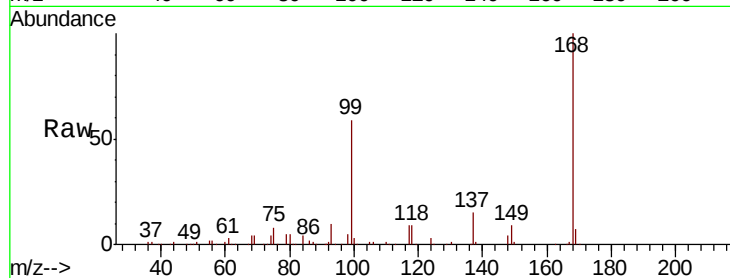
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 191873

Ion Ratio Lower Upper

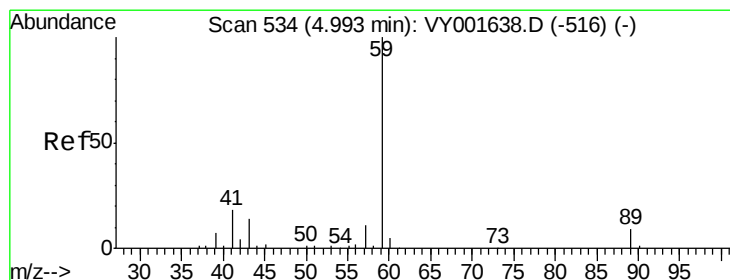
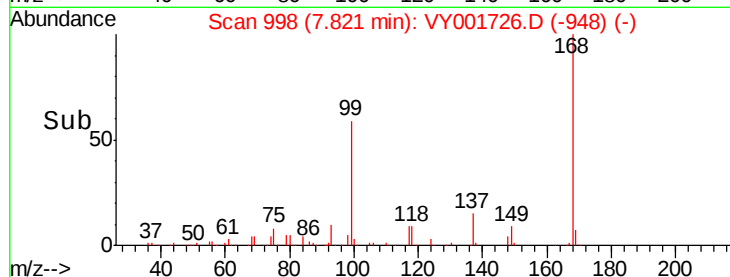
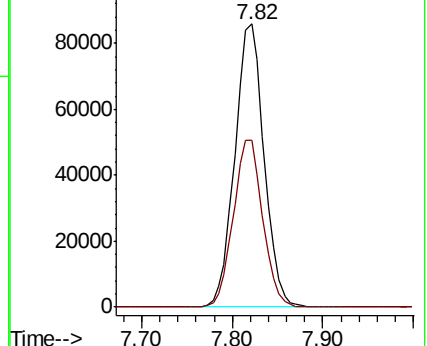
168 100

99 59.2 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. -0.02 min

Lab File: VY001726.D

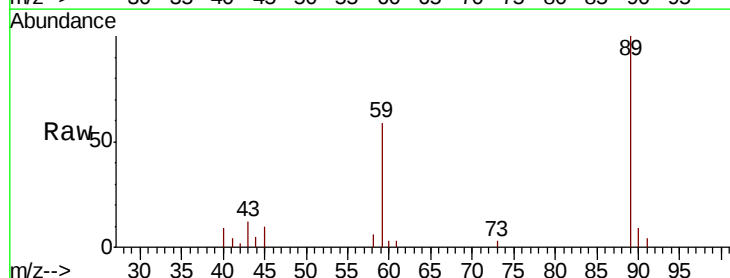
Acq: 20 Feb 2020 16:26

Tgt Ion: 59 Resp: 3846

Ion Ratio Lower Upper

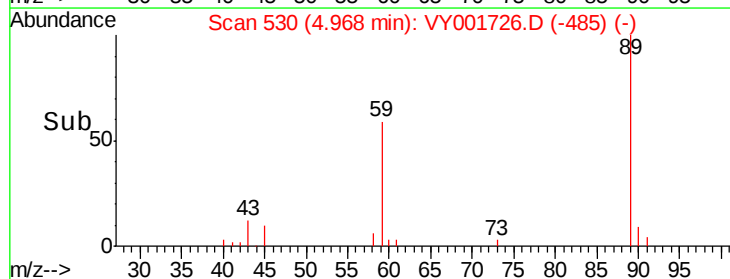
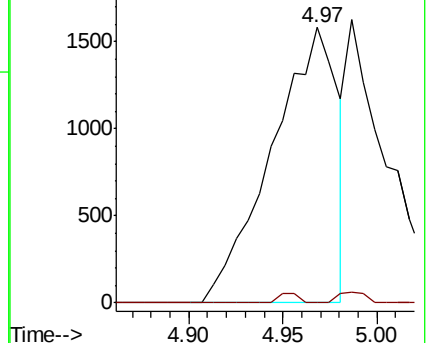
59 100

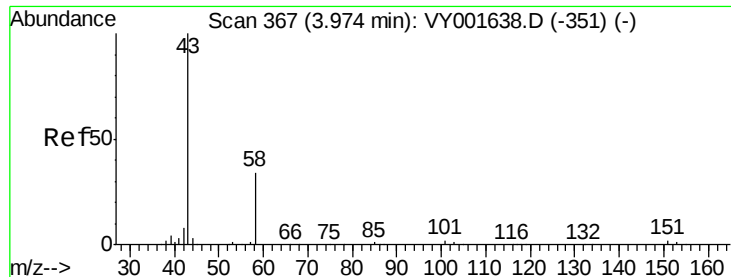
57 1.6 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001638.D (-516) (-)

Ion 57.00 (56.70 to 57.70): VY001638.D (-516) (-)





#16

Acetone

Concen: 4.677 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001726.D

Acq: 20 Feb 2020 16:26

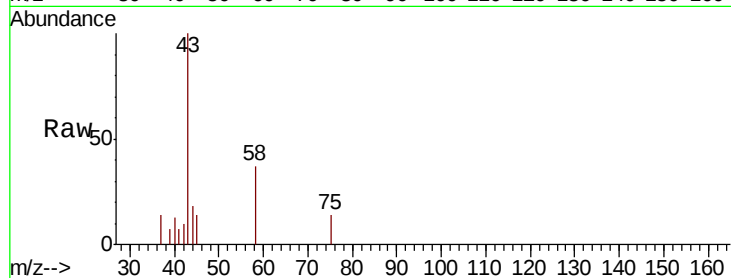
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 3340

Ion Ratio Lower Upper

43 100

58 37.1 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY001726.D (-369) (-)

Ion 58.00 (57.70 to 58.70): VY001726.D (-369) (-)

3.99

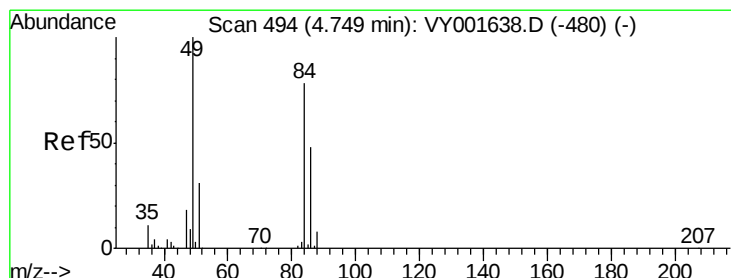
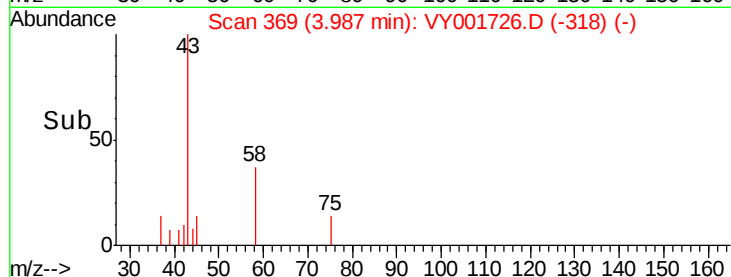
1000

500

0

Time-->

3.90 3.95 4.00 4.05 4.10



#20

Methylene Chloride

Concen: 2.454 ug/l

RT: 4.77 min Scan# 497

Delta R.T. 0.02 min

Lab File: VY001726.D

Acq: 20 Feb 2020 16:26

Tgt Ion: 84 Resp: 6224

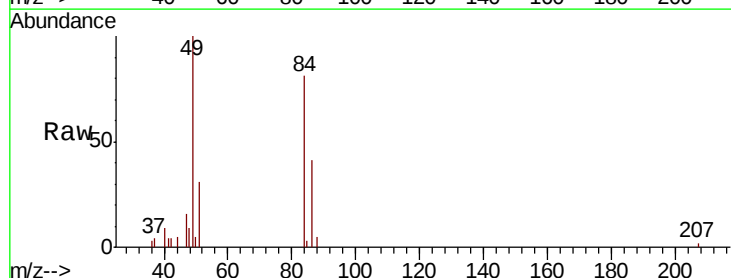
Ion Ratio Lower Upper

84 100

49 120.3 99.2 148.8

51 37.9 31.5 47.3

86 49.9 51.0 76.6#



Abundance Ion 83.90 (83.60 to 84.60): VY001726.D (-497) (-)

Ion 48.90 (48.60 to 49.60): VY001726.D (-497) (-)

Ion 50.90 (50.60 to 51.60): VY001726.D (-497) (-)

Ion 85.90 (85.60 to 86.60): VY001726.D (-497) (-)

4000

3000

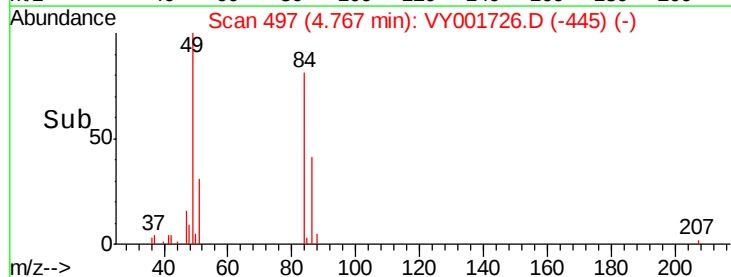
2000

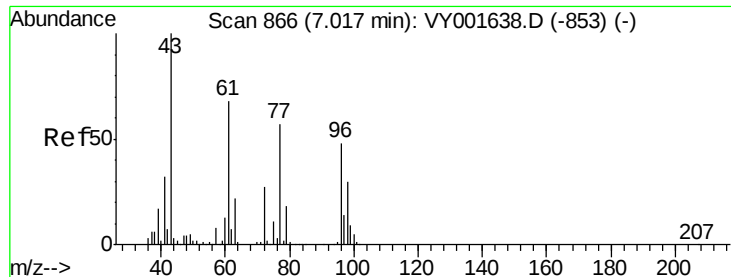
1000

0

Time-->

4.65 4.70 4.75 4.80 4.85

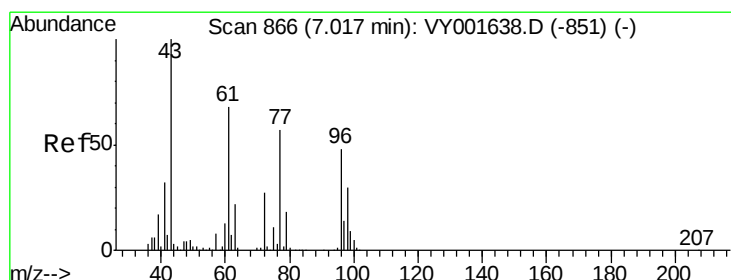
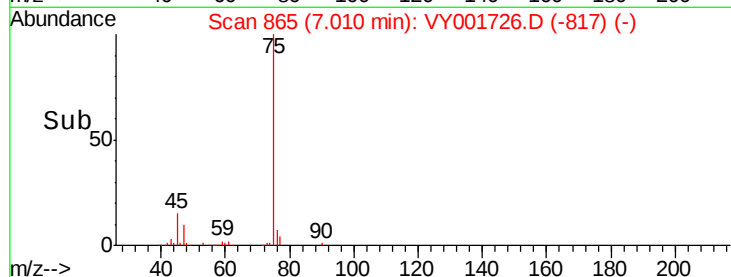
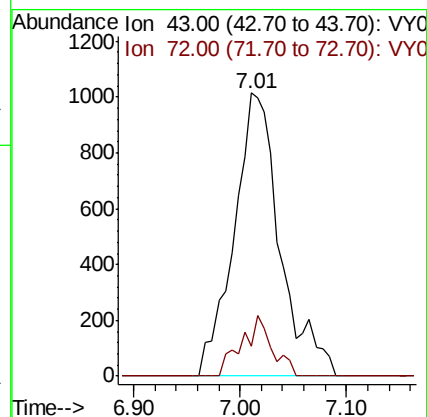
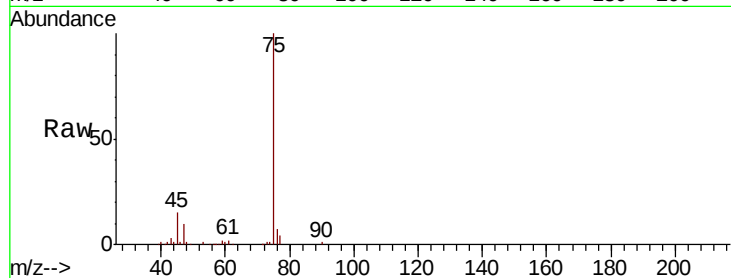




#25
2-Butanone
Concen: 3.166 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001726.D
Acq: 20 Feb 2020 16:26

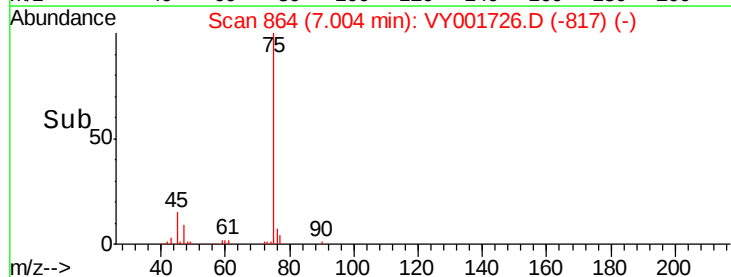
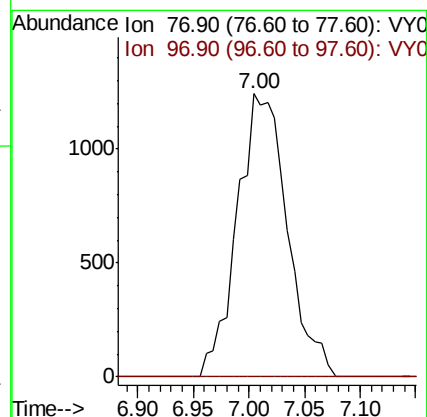
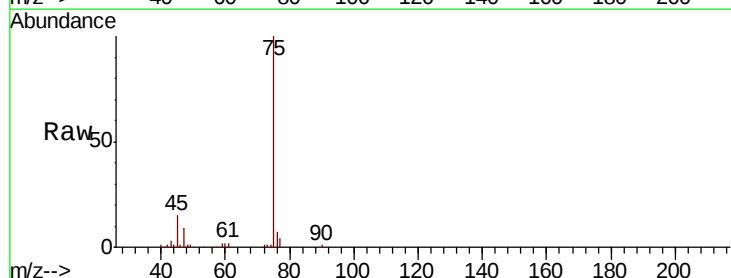
Instrument :
MSVOA_Y
ClientSampleId :

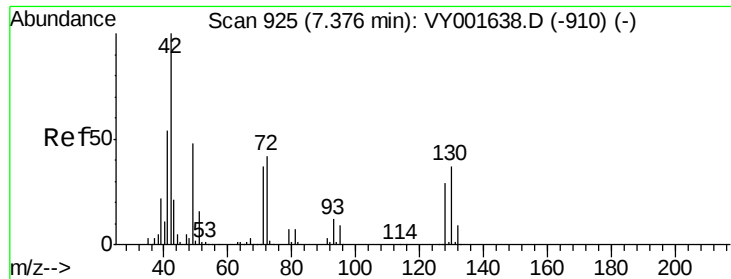
Tot Ion: 43 Resp: 3071
Ion Ratio Lower Upper
43 100
72 10.5 21.2 31.8#



#26
2,2-Dichloropropane
Concen: 1.098 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001726.D
Acq: 20 Feb 2020 16:26

Tgt Ion: 77 Resp: 3885
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.4#

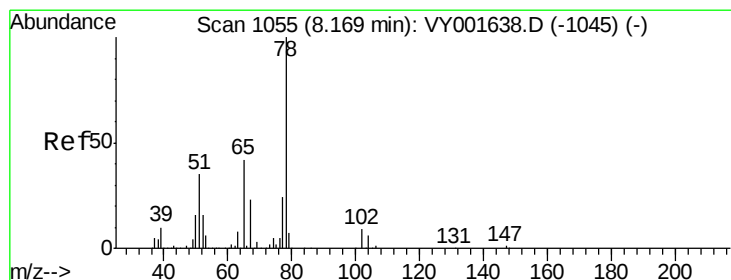
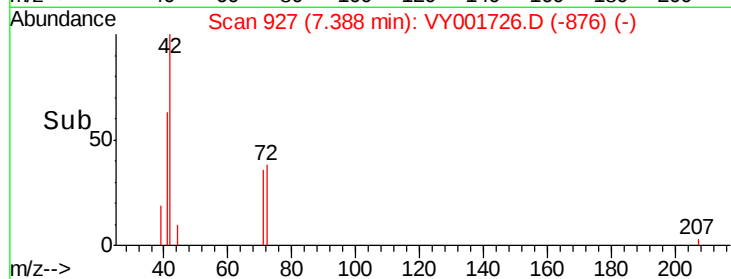
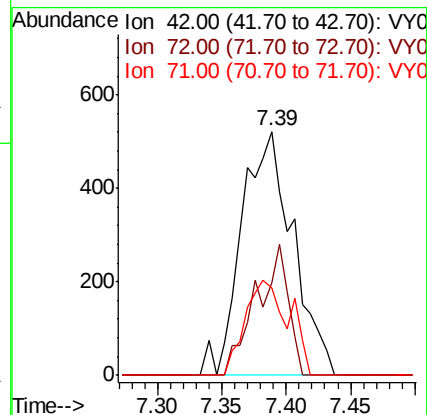
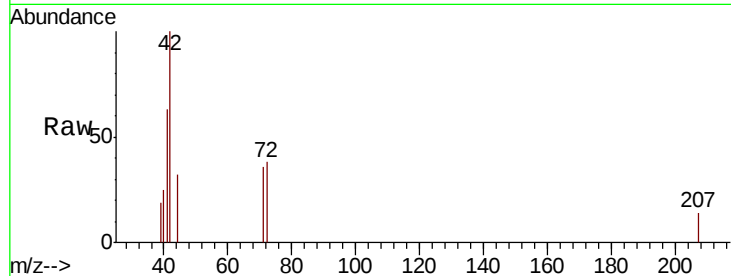




#29
Tetrahydrofuran
Concen: 2.452 ug/l
RT: 7.39 min Scan# 927
Delta R.T. 0.01 min
Lab File: VY001726.D
Acq: 20 Feb 2020 16:26

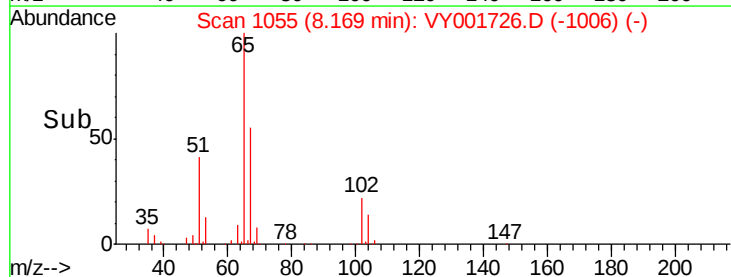
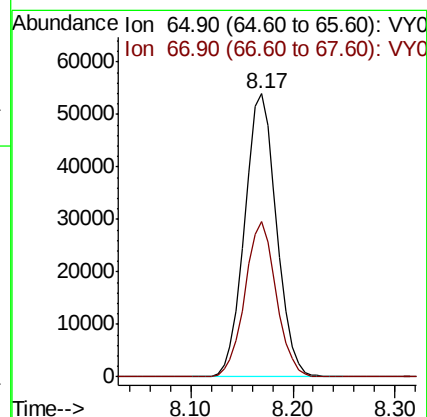
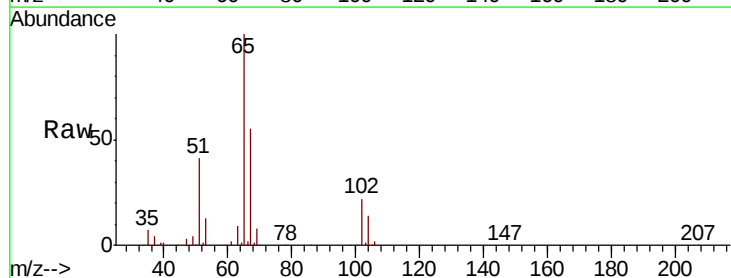
Instrument :
MSVOA_Y
ClientSampleId :

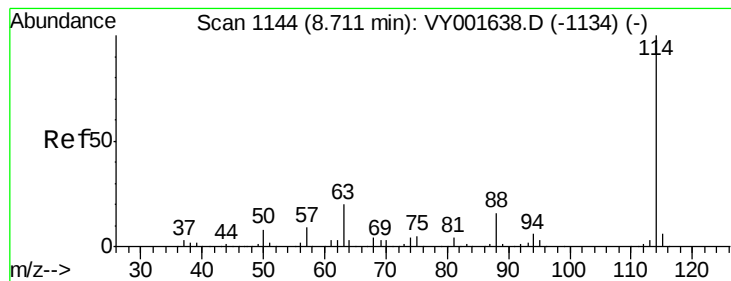
Tot Ion: 42 Resp: 1438
Ion Ratio Lower Upper
42 100
72 33.8 34.4 51.6#
71 33.3 31.8 47.8



#33
1,2-Dichloroethane-d4
Concen: 56.556 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001726.D
Acq: 20 Feb 2020 16:26

Tgt Ion: 65 Resp: 116724
Ion Ratio Lower Upper
65 100
67 53.9 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VY001726.D

Acq: 20 Feb 2020 16:26

Instrument :

MSVOA_Y

ClientSampleId :

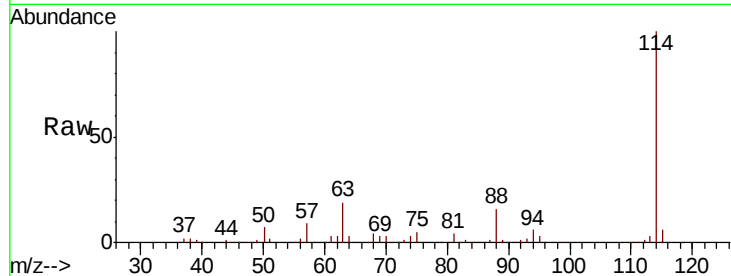
Tot Ion:114 Resp: 349958

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.4

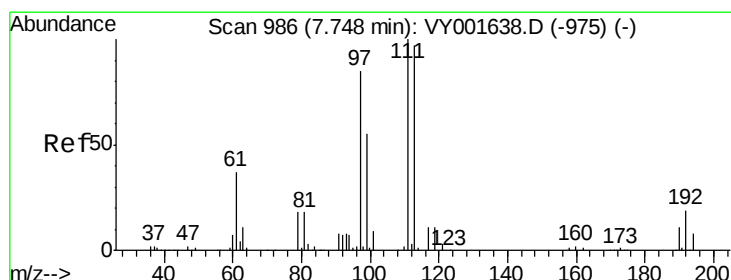
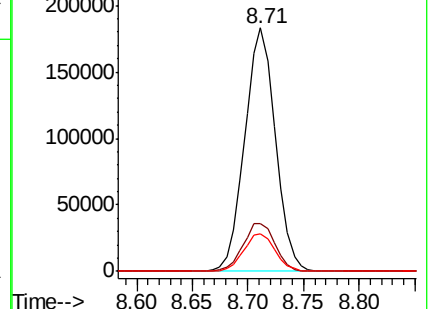
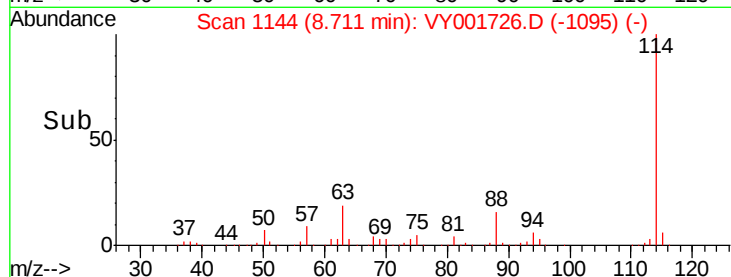
88 15.6 0.0 32.8



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: 51.484 ug/l

RT: 7.75 min Scan# 986

Delta R.T. -0.00 min

Lab File: VY001726.D

Acq: 20 Feb 2020 16:26

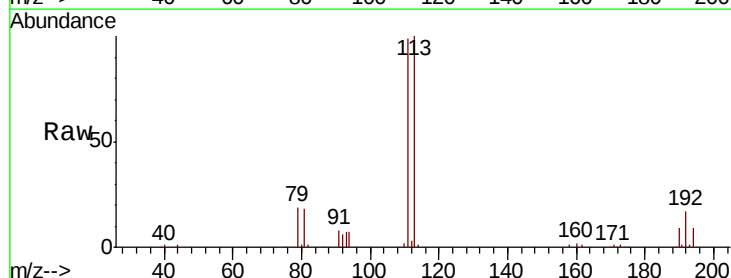
Tgt Ion:113 Resp: 103194

Ion Ratio Lower Upper

113 100

111 101.9 81.9 122.9

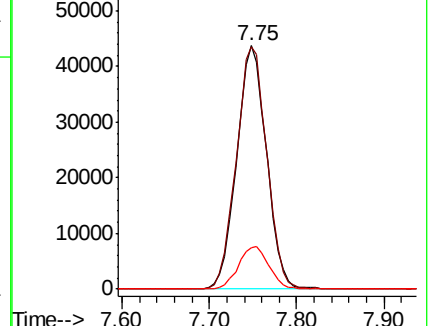
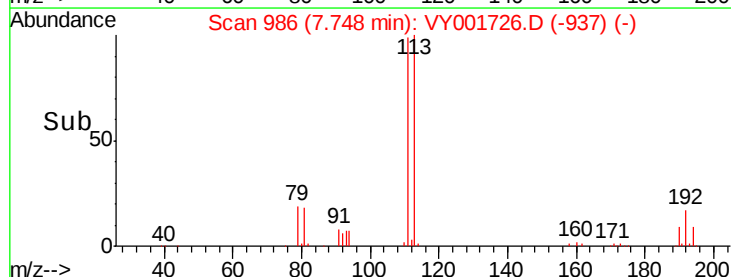
192 17.8 14.3 21.5

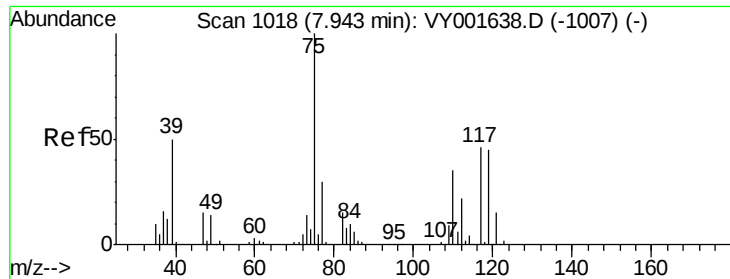


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

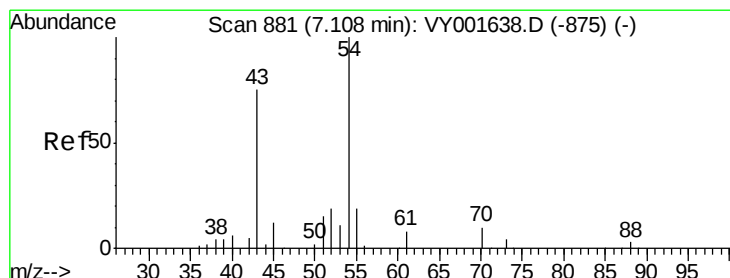
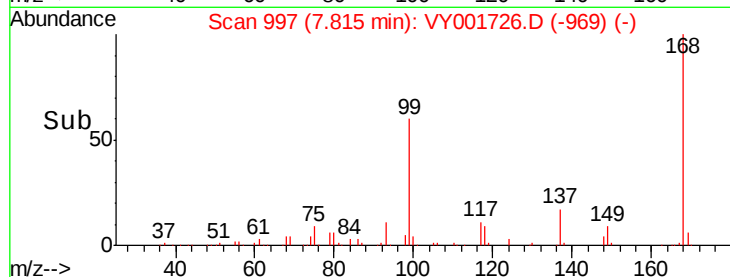
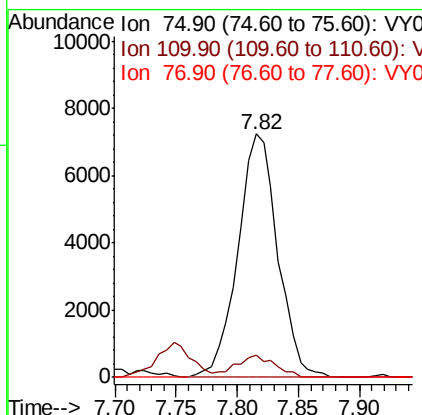
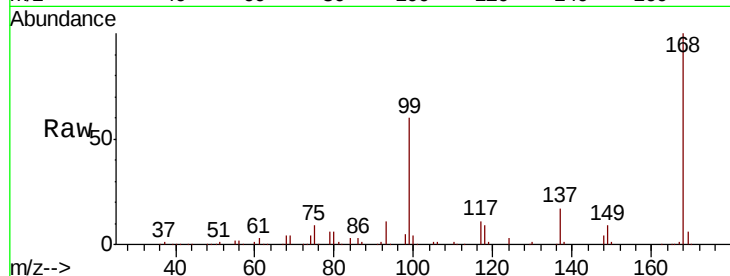




#36
 1,1-Dichloropropene
 Concen: 4.889 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001726.D
 Acq: 20 Feb 2020 16:26

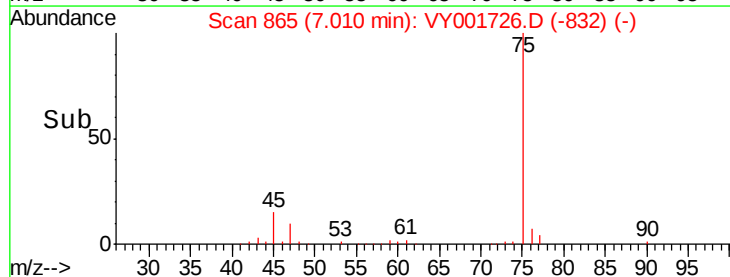
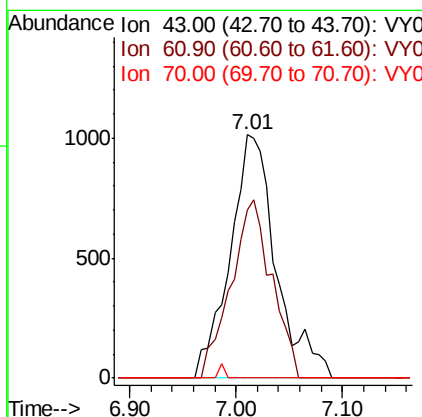
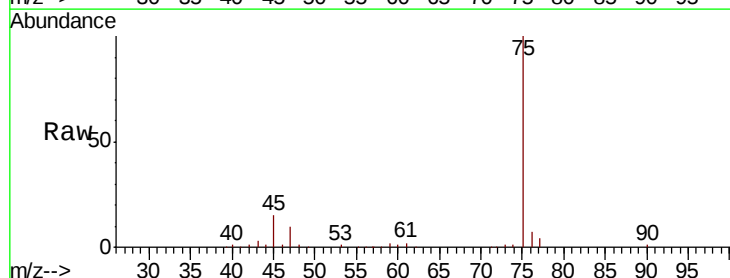
Instrument :
 MSVOA_Y
 ClientSampleId :

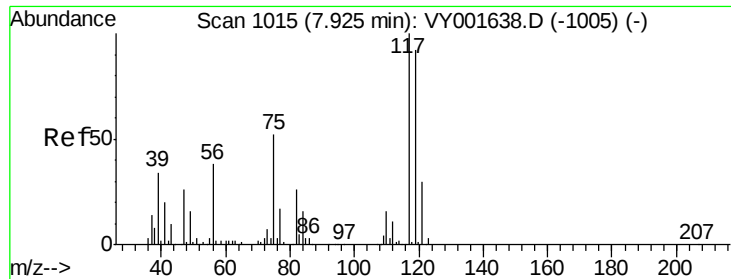
Tot Ion: 75 Resp: 16343
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.2 51.6#
 77 0.0 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 1.539 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.10 min
 Lab File: VY001726.D
 Acq: 20 Feb 2020 16:26

Tgt Ion: 43 Resp: 3071
 Ion Ratio Lower Upper
 43 100
 61 65.0 11.0 16.6#
 70 0.0 8.8 13.2#





#38

Carbon Tetrachloride

Concen: 6.502 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.11 min

Lab File: VY001726.D

Acq: 20 Feb 2020 16:26

Instrument :

MSVOA_Y

ClientSampled :

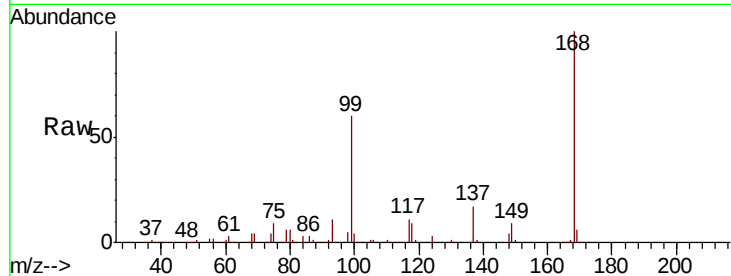
Tot Ion:117 Resp: 19090

Ion Ratio Lower Upper

117 100

119 6.5 74.8 112.2#

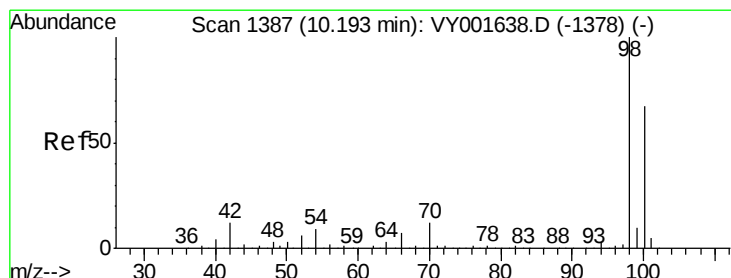
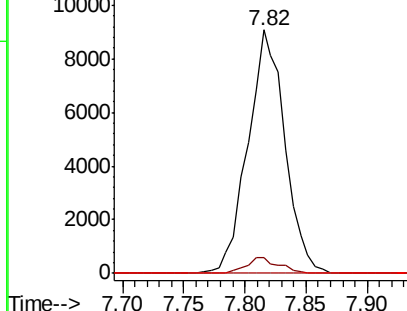
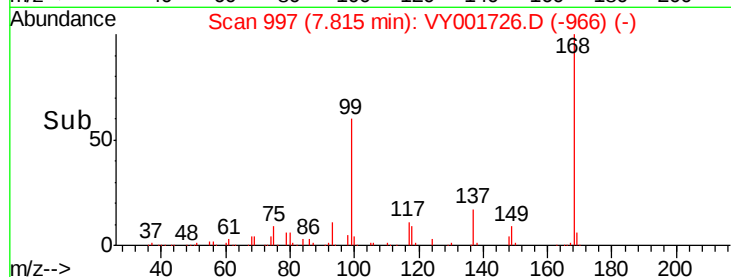
121 0.0 23.8 35.6#



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: 53.406 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VY001726.D

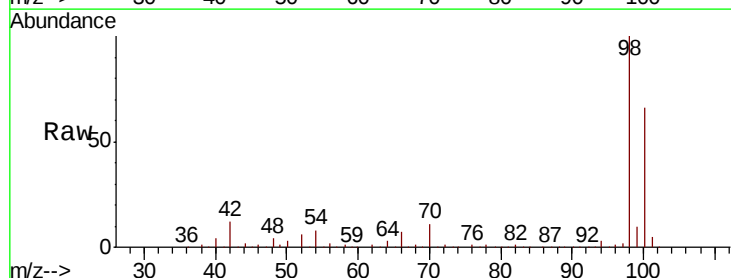
Acq: 20 Feb 2020 16:26

Tgt Ion: 98 Resp: 419381

Ion Ratio Lower Upper

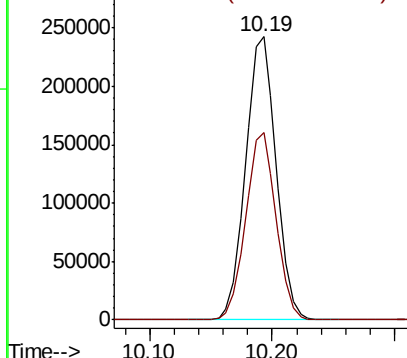
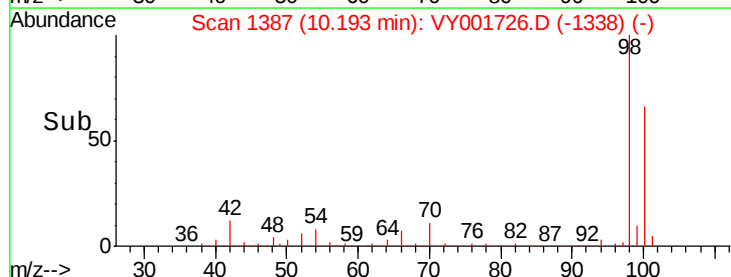
98 100

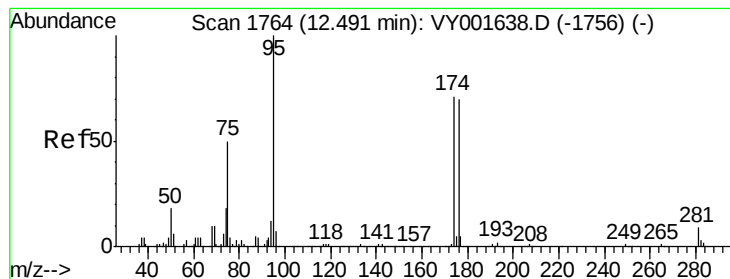
100 65.8 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 45.452 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001726.D

Acq: 20 Feb 2020 16:26

Instrument :

MSVOA_Y

ClientSampleId :

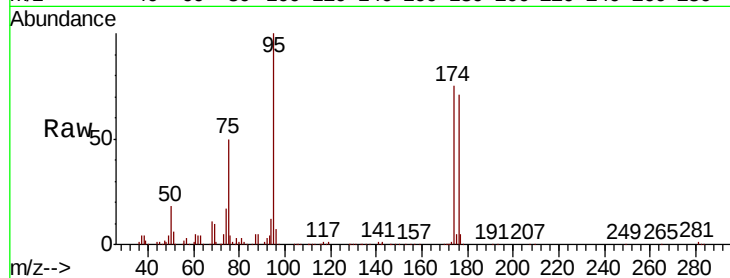
Tot Ion: 95 Resp: 138660

Ion Ratio Lower Upper

95 100

174 71.0 0.0 138.4

176 69.3 0.0 131.8



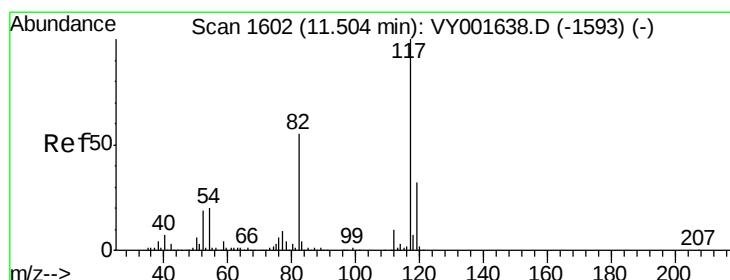
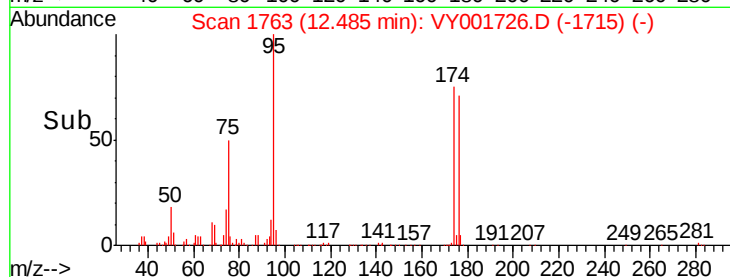
Abundance Ion 94.90 (94.60 to 95.60): VY001726.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001726.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001726.D (-1756) (-)

12.49

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: VY001726.D

Acq: 20 Feb 2020 16:26

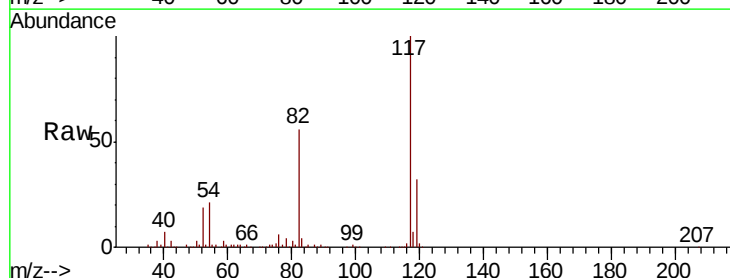
Tgt Ion: 117 Resp: 305972

Ion Ratio Lower Upper

117 100

82 55.6 45.5 68.3

119 31.5 25.8 38.6



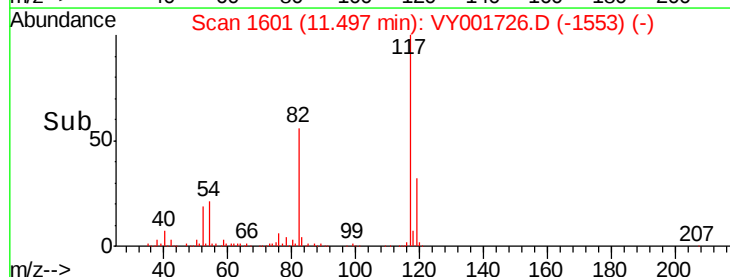
Abundance Ion 116.90 (116.60 to 117.60): VY001726.D (-1553) (-)

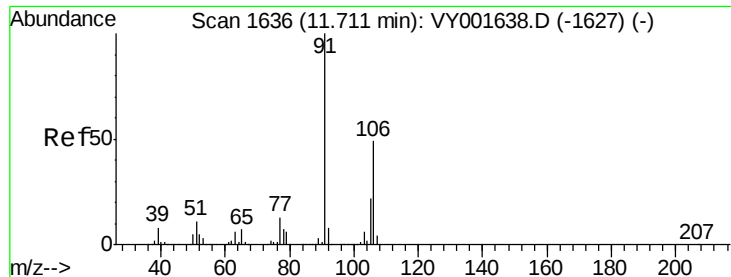
Ion 82.00 (81.70 to 82.70): VY001726.D (-1553) (-)

Ion 118.90 (118.60 to 119.60): VY001726.D (-1553) (-)

11.50

Time-->





#68

m/p-Xvlenes

Concen: 1.569 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY001726.D

Acq: 20 Feb 2020 16:26

Instrument :

MSVOA_Y

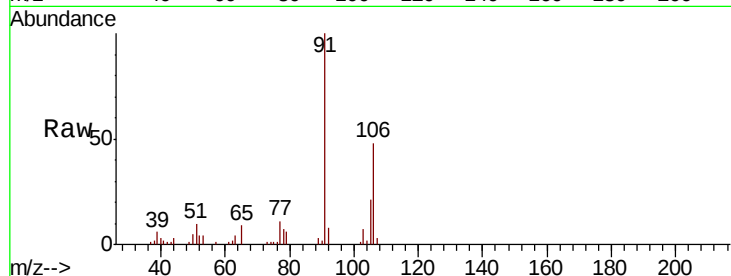
ClientSampleId :

Tot Ion:106 Resp: 6645

Ion Ratio Lower Upper

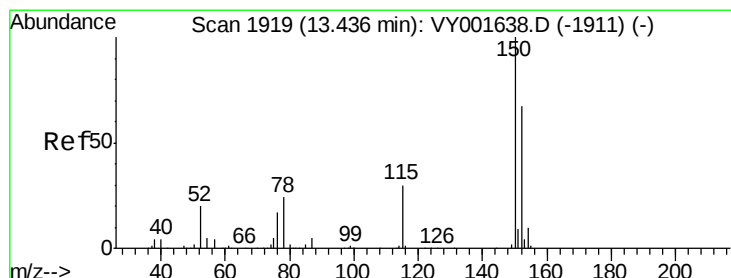
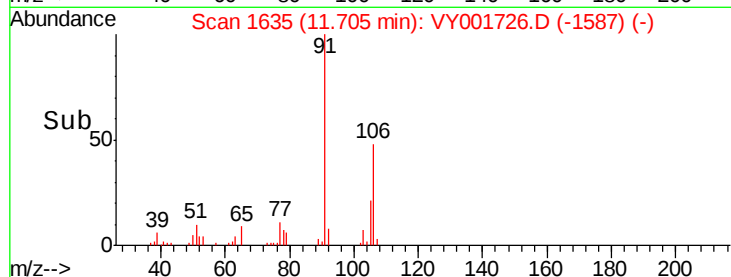
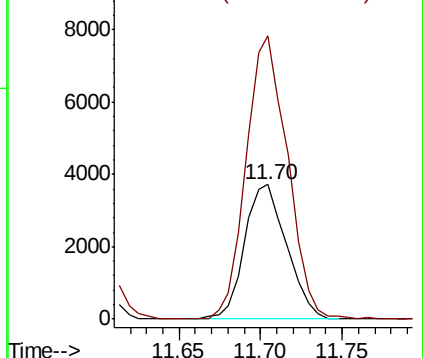
106 100

91 207.3 163.3 244.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001726.D

Acq: 20 Feb 2020 16:26

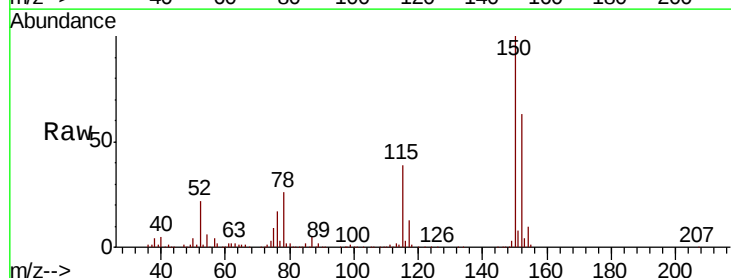
Tgt Ion:152 Resp: 122503

Ion Ratio Lower Upper

152 100

115 62.9 31.4 94.2

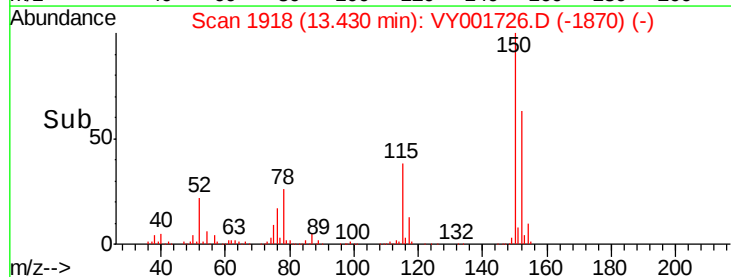
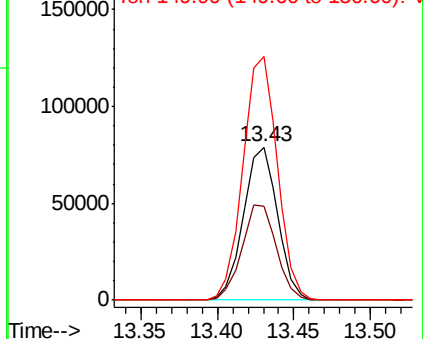
150 160.2 0.0 407.2

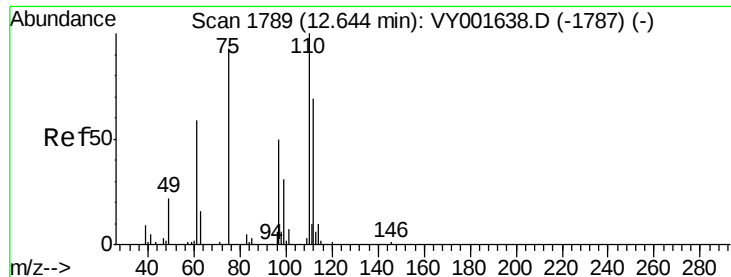


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 49.120 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001726.D

Acq: 20 Feb 2020 16:26

Instrument :

MSVOA_Y

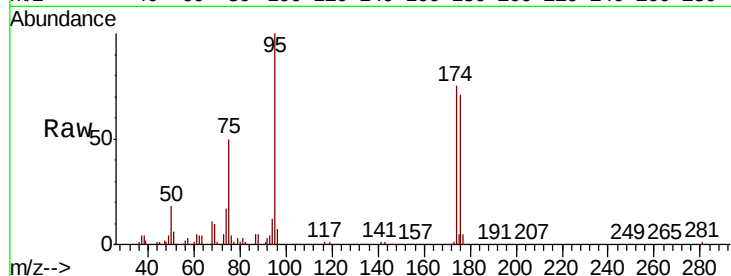
ClientSampled :

Tot Ion: 75 Resp: 69027

Ion Ratio Lower Upper

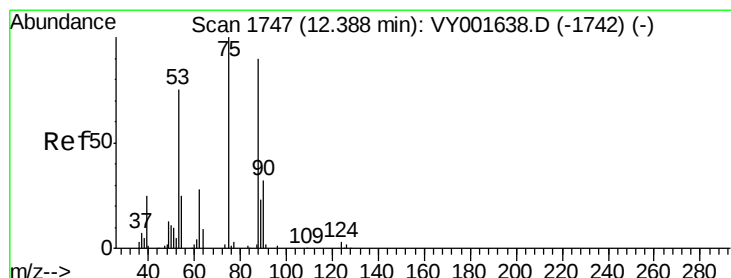
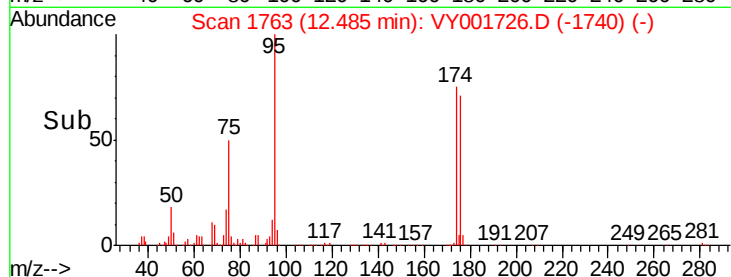
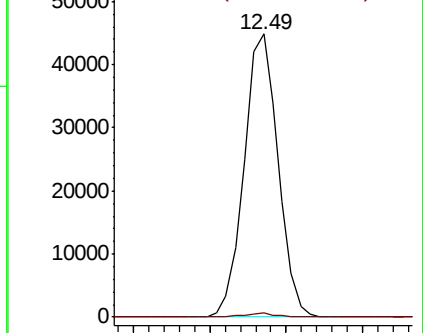
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 93.189 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001726.D

Acq: 20 Feb 2020 16:26

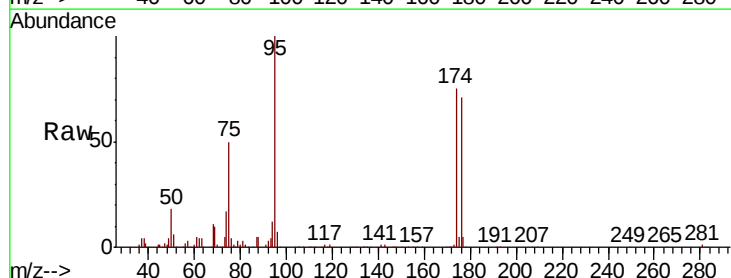
Tgt Ion: 75 Resp: 69027

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

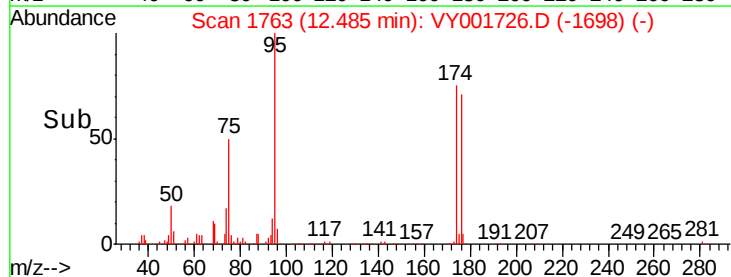
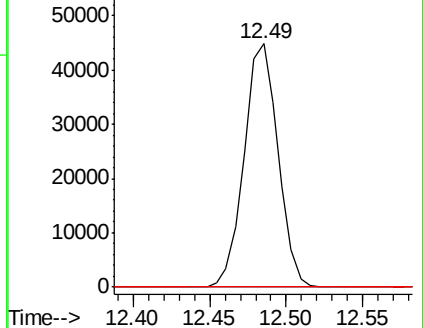
89 0.0 36.3 54.5#

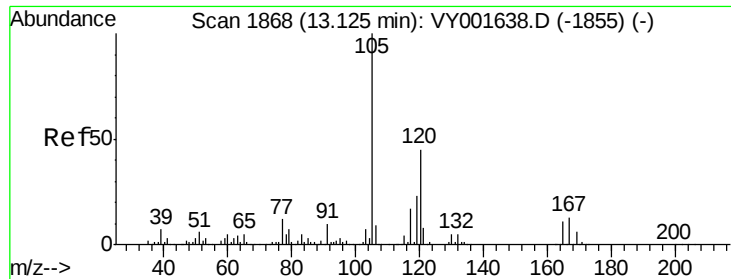


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

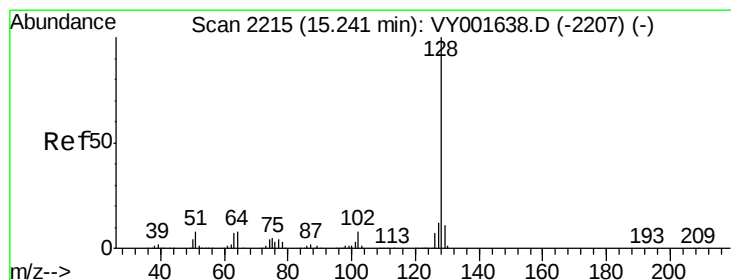
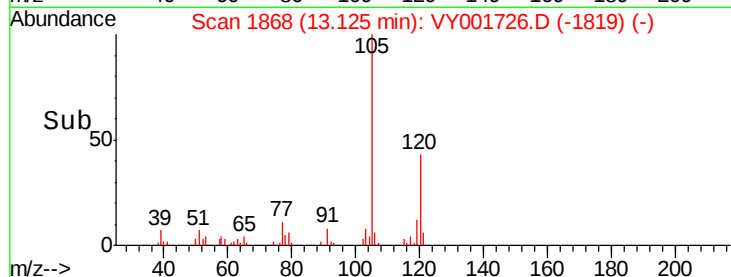
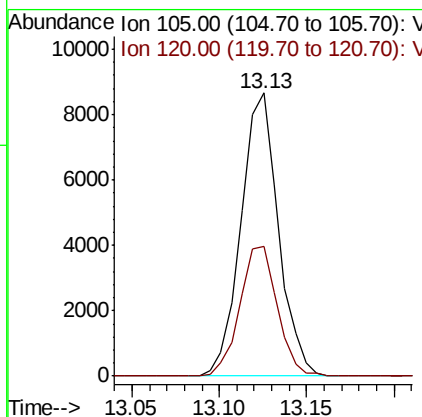
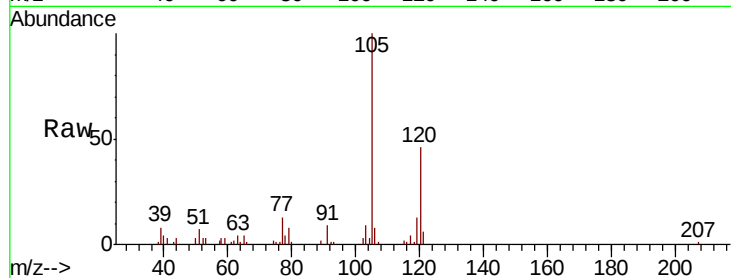




#84
 1,2,4-Trimethylbenzene
 Concen: 1.673 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VY001726.D
 Acq: 20 Feb 2020 16:26

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:105 Resp: 12884
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.4 67.3



#95
 Naphthalene
 Concen: 1.133 ug/l
 RT: 15.24 min Scan# 2215
 Delta R.T. -0.00 min
 Lab File: VY001726.D
 Acq: 20 Feb 2020 16:26

Tgt Ion:128 Resp: 6269
 Ion Ratio Lower Upper
 128 100
 127 15.2 9.9 14.9#
 129 9.9 8.6 13.0

