

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021120\
 Data File : VY001597.D
 Acq On : 11 Feb 2020 14:30
 Operator : SY/MD
 Sample : L1488-01
 Misc : 5.46G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

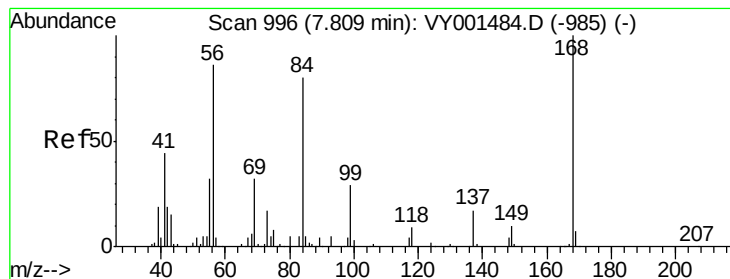
Quant Time: Feb 12 07:54:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	167626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	295154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	258621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	104410	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	92027	54.53	ug/l	0.00
Spiked Amount			Recovery	=	109.06%	
35) Dibromofluoromethane	7.75	113	86162	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
50) Toluene-d8	10.19	98	353102	54.83	ug/l	0.00
Spiked Amount			Recovery	=	109.66%	
62) 4-Bromofluorobenzene	12.49	95	111110	43.80	ug/l	0.00
Spiked Amount			Recovery	=	87.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	3598	Below Cal	#	94
16) Acetone	3.97	43	35536	72.790	ug/l	94
20) Methylene Chloride	4.74	84	1513	Below Cal	#	91
25) 2-Butanone	7.02	43	3627	5.727	ug/l	91
27) cis-1,2-Dichloroethene	7.02	96	3901	1.823	ug/l	98
29) Tetrahydrofuran	7.39	42	492	1.296	ug/l #	46
31) Cyclohexane	7.82	56	3728	1.134	ug/l #	34
36) 1,1-Dichloropropene	7.82	75	12731	4.715	ug/l #	50
37) Ethyl Acetate	7.02	43	3627	2.775	ug/l #	1
38) Carbon Tetrachloride	7.82	117	16242	6.217	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	56630	50.435	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	56630	97.590	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001597.D

Acq: 11 Feb 2020 14:30

Instrument :

MSVOA_Y

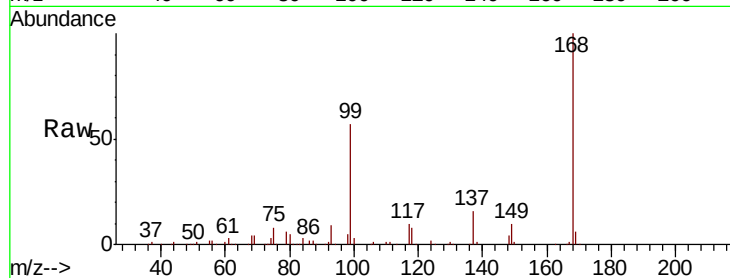
ClientSampleId :

Tot Ion:168 Resp: 167626

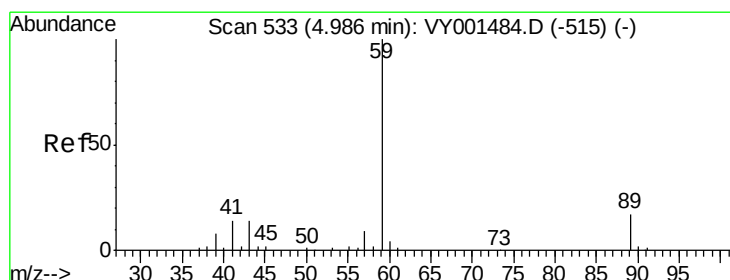
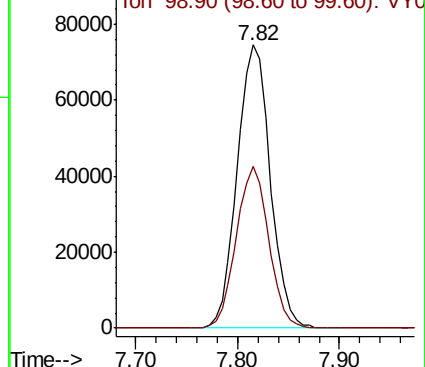
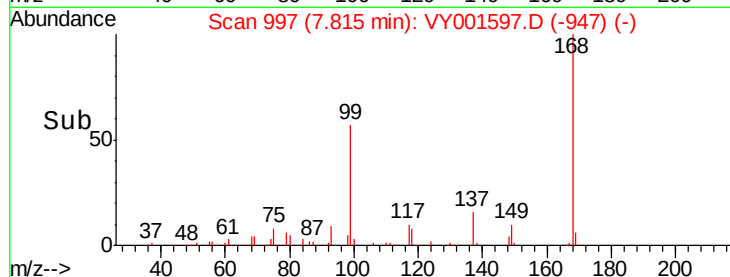
Ion Ratio Lower Upper

168 100

99 57.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001597.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001597.D

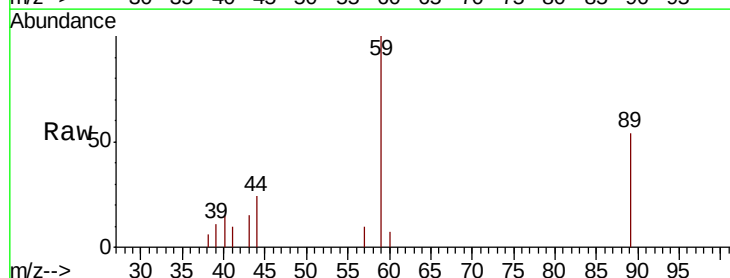
Acq: 11 Feb 2020 14:30

Tgt Ion: 59 Resp: 3598

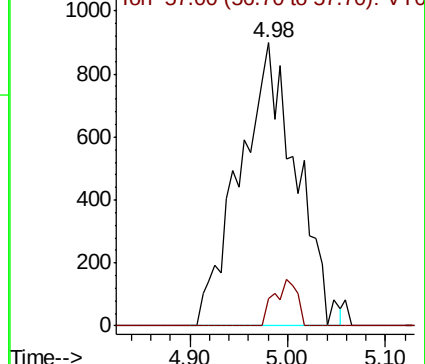
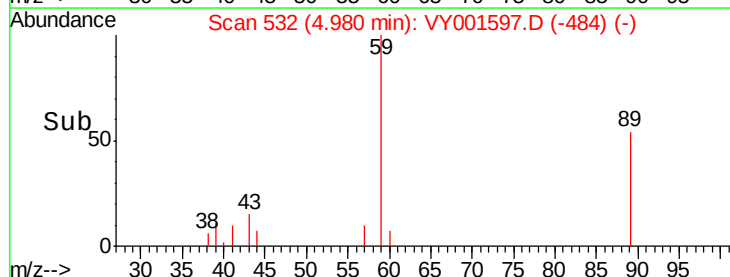
Ion Ratio Lower Upper

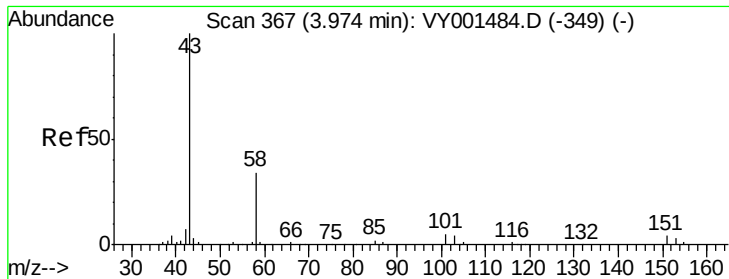
59 100

57 6.6 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001597.D (-484) (-)





#16

Acetone

Concen: 72.790 ug/l

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VY001597.D

Acq: 11 Feb 2020 14:30

Instrument :

MSVOA_Y

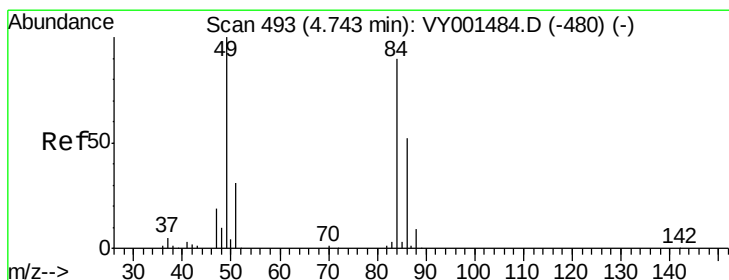
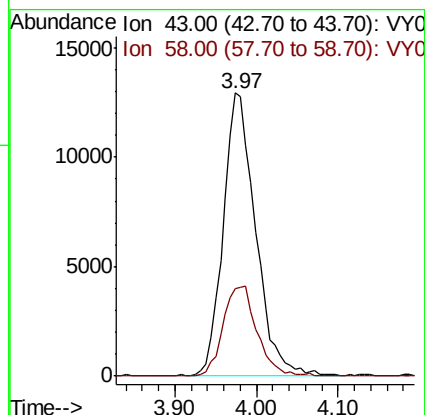
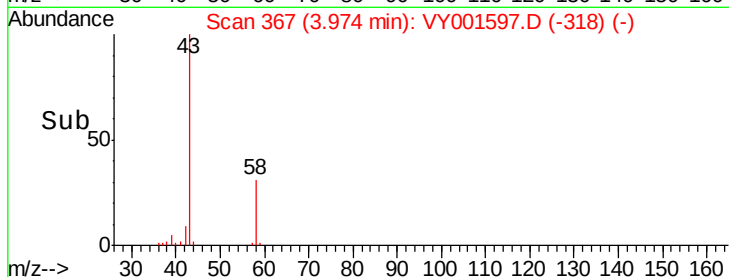
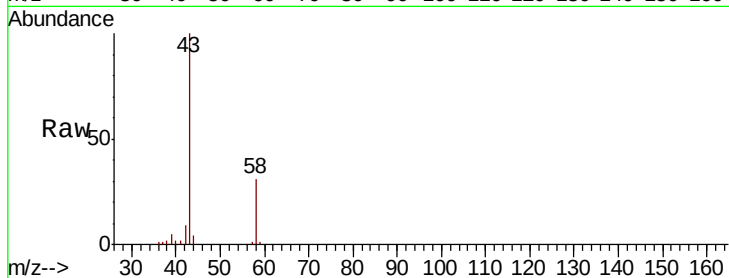
ClientSampled :

Tot Ion: 43 Resp: 35536

Ion Ratio Lower Upper

43 100

58 30.9 27.5 41.3



#20

Methylene Chloride

Concen: Below Cal

RT: 4.74 min Scan# 493

Delta R.T. 0.00 min

Lab File: VY001597.D

Acq: 11 Feb 2020 14:30

Tgt Ion: 84 Resp: 1513

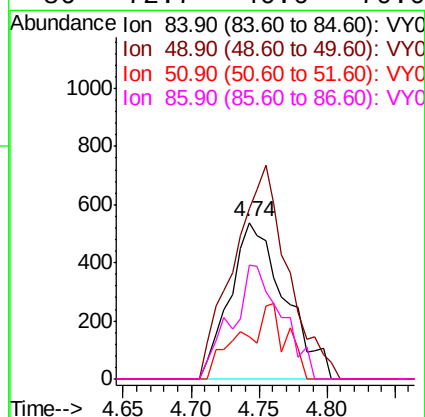
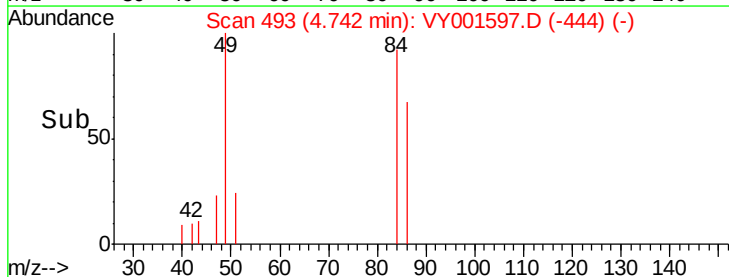
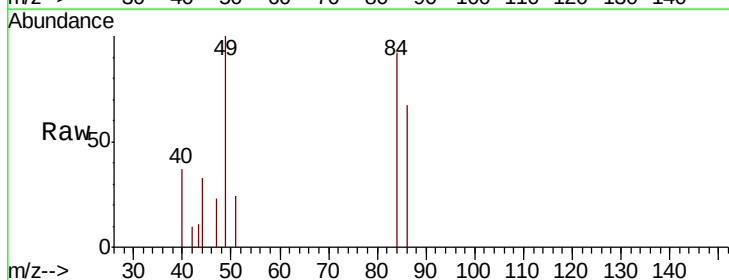
Ion Ratio Lower Upper

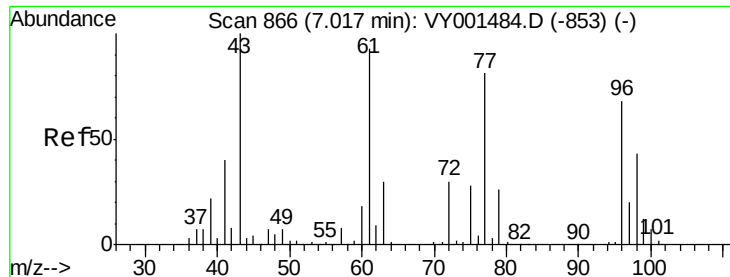
84 100

49 109.1 89.0 133.6

51 26.7 27.4 41.2#

86 72.7 46.6 70.0#





#25

2-Butanone

Concen: 5.727 ug/l

RT: 7.02 min Scan# 866

Delta R.T. -0.00 min

Lab File: VY001597.D

Acq: 11 Feb 2020 14:30

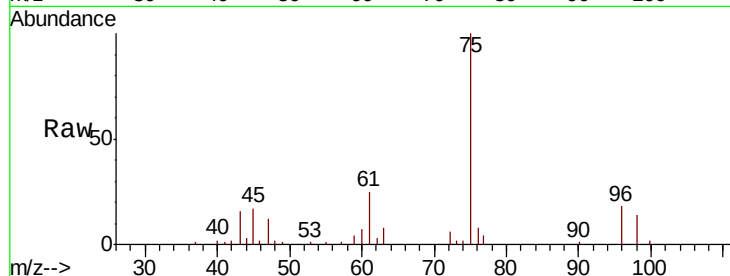
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 3627

Ion Ratio Lower Upper

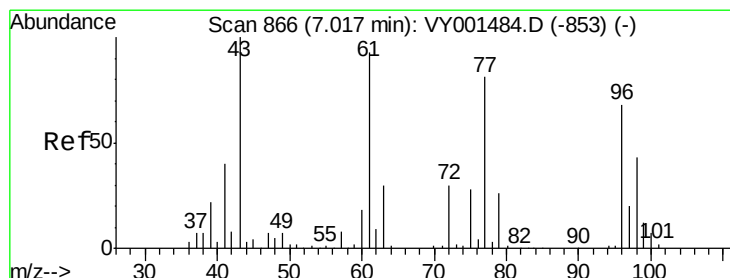
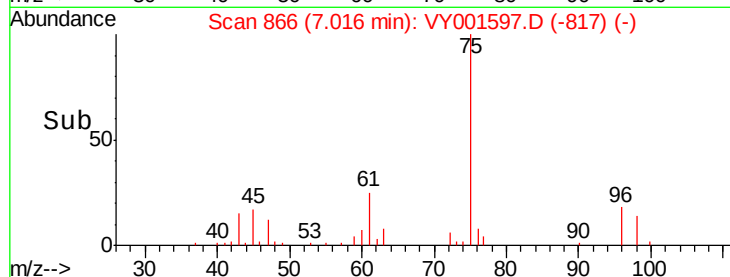
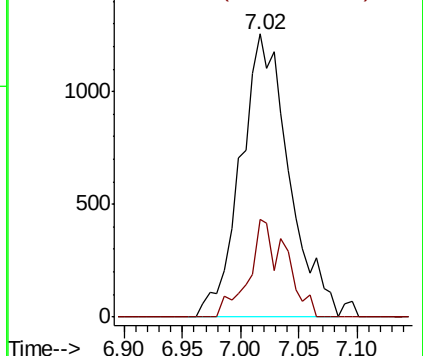
43 100

72 34.7 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#27

cis-1,2-Dichloroethene

Concen: 1.823 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001597.D

Acq: 11 Feb 2020 14:30

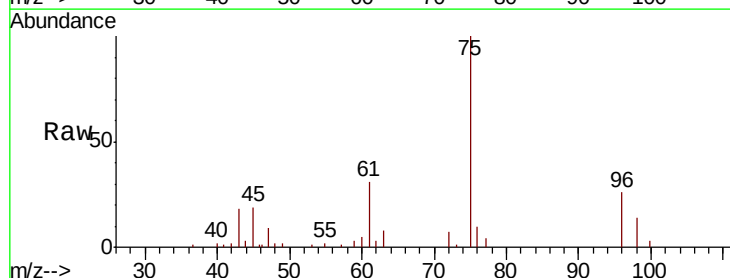
Tgt Ion: 96 Resp: 3901

Ion Ratio Lower Upper

96 100

61 136.8 0.0 278.8

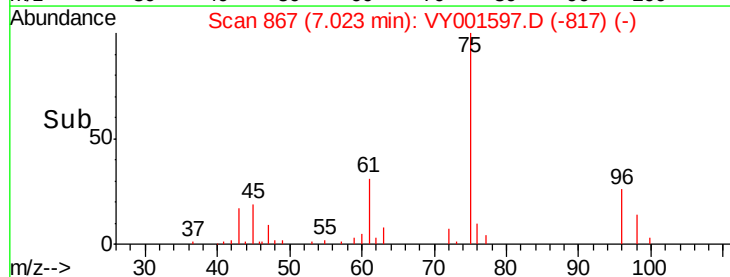
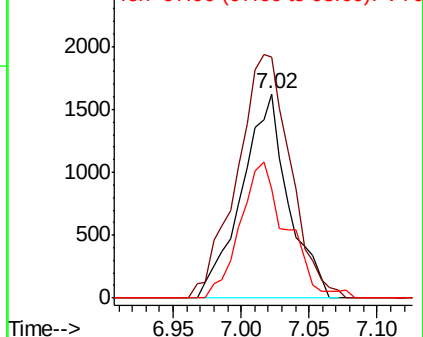
98 66.9 0.0 128.8

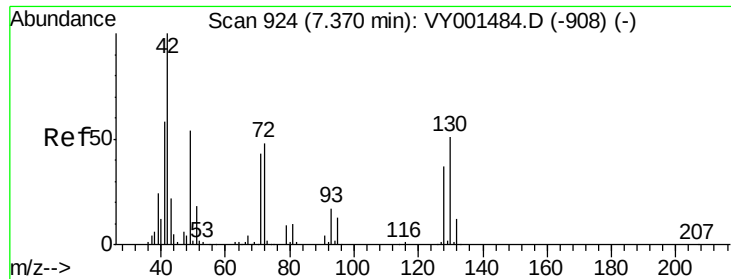


Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

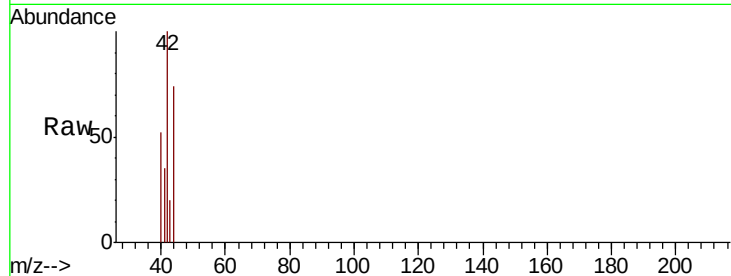




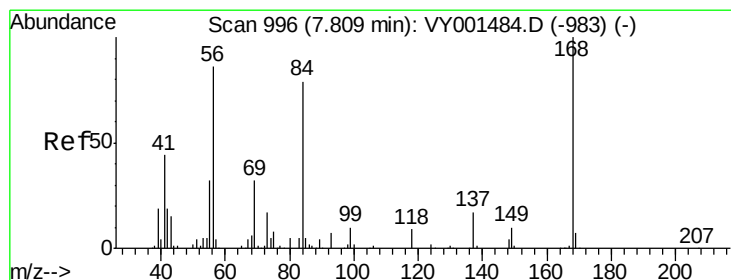
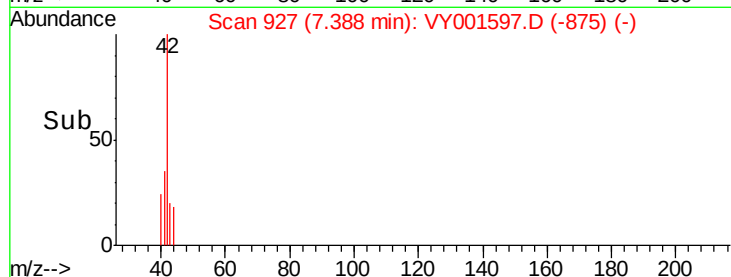
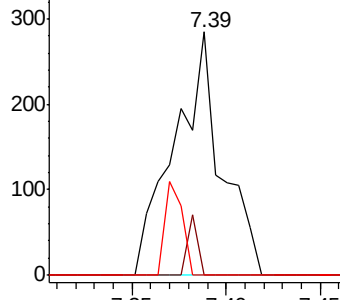
#29
Tetrahydrofuran
Concen: 1.296 ug/l
RT: 7.39 min Scan# 927
Delta R.T. 0.02 min
Lab File: VY001597.D
Acq: 11 Feb 2020 14:30

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 42 Resp: 492
Ion Ratio Lower Upper
42 100
72 5.3 37.8 56.6#
71 14.2 34.8 52.2#

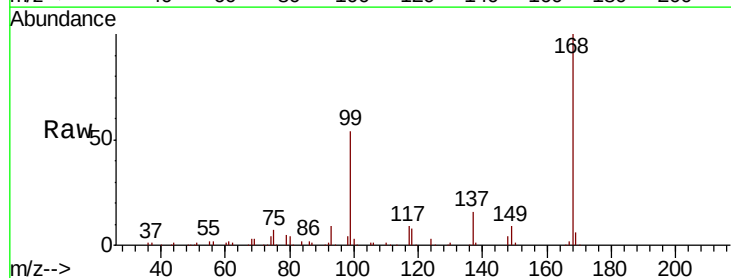


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

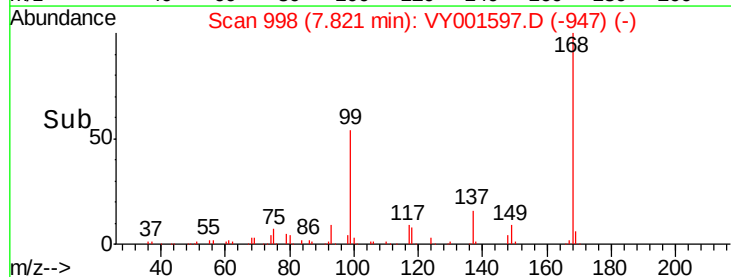
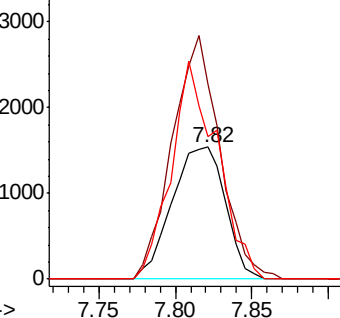


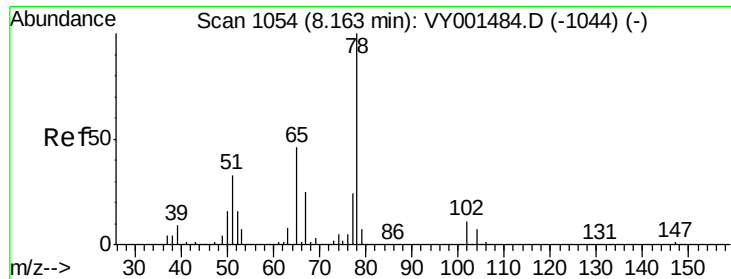
#31
Cyclohexane
Concen: 1.134 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.01 min
Lab File: VY001597.D
Acq: 11 Feb 2020 14:30

Tgt Ion: 56 Resp: 3728
Ion Ratio Lower Upper
56 100
69 147.9 29.6 44.4#
84 108.4 73.6 110.4



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

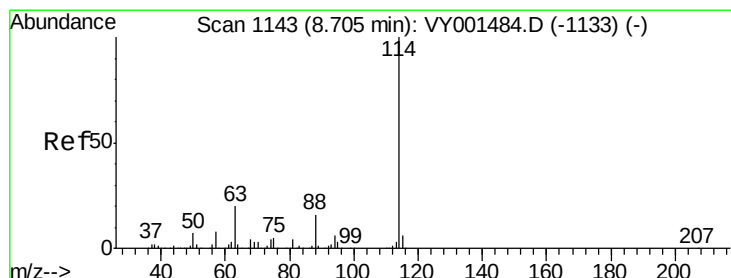
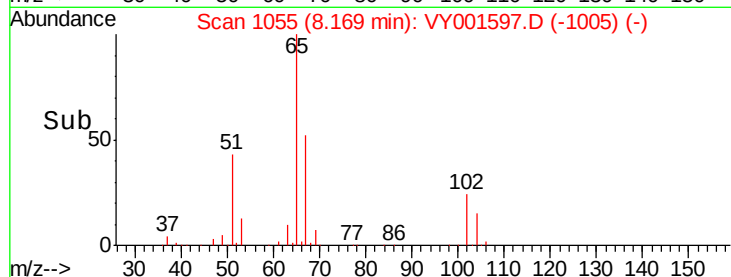
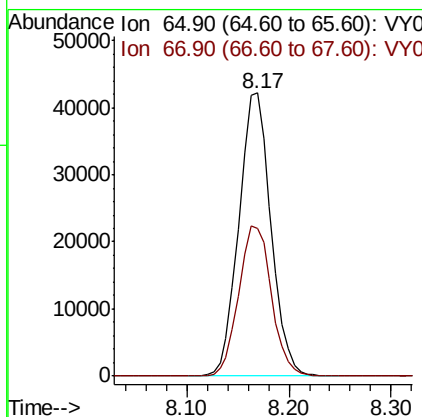
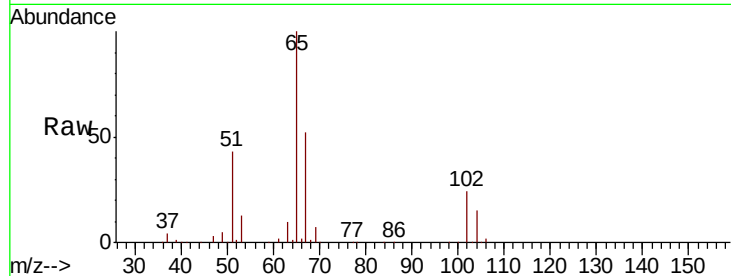




#33
 1,2-Dichloroethane-d4
 Concen: 54.526 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY001597.D
 Acq: 11 Feb 2020 14:30

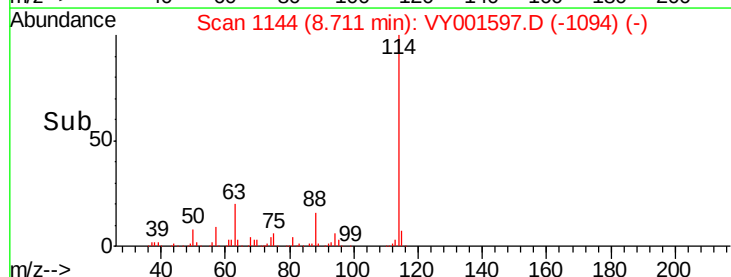
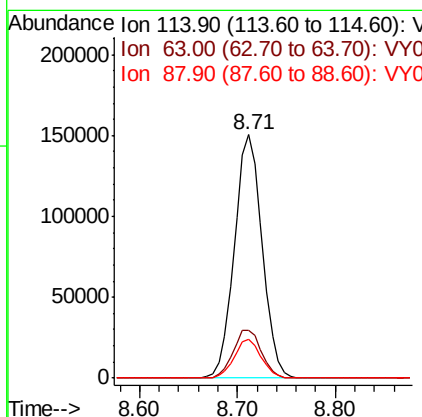
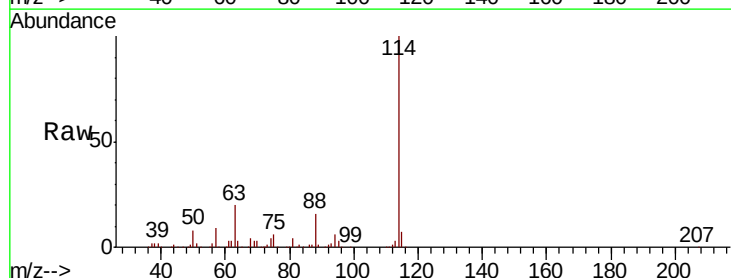
Instrument :
 MSVOA_Y
 ClientSampleId :

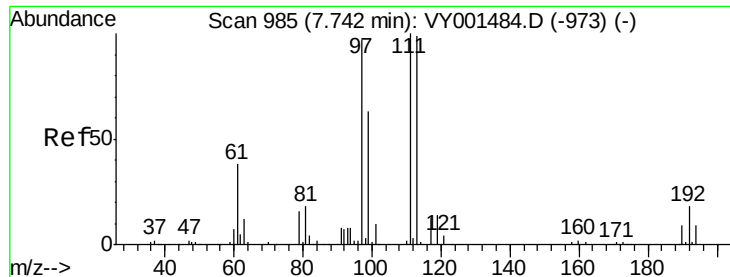
Tot Ion: 65 Resp: 92027
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001597.D
 Acq: 11 Feb 2020 14:30

Tgt Ion: 114 Resp: 295154
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.8 0.0 32.6

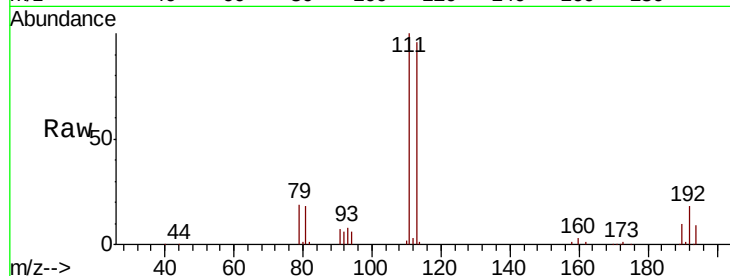




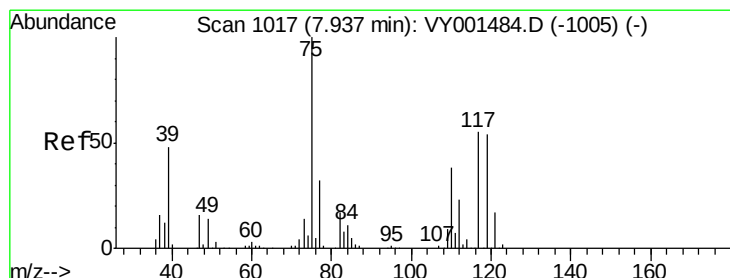
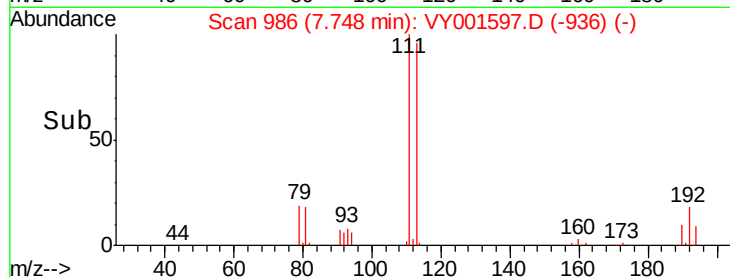
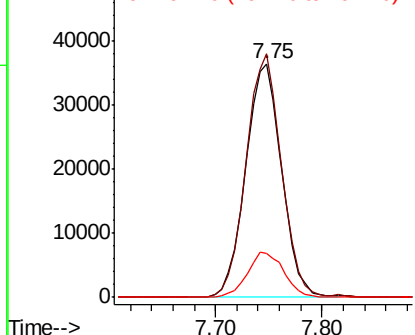
#35
 Dibromofluoromethane
 Concen: 50.624 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY001597.D
 Acq: 11 Feb 2020 14:30

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 86162
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.9 124.3
 192 19.5 14.6 22.0

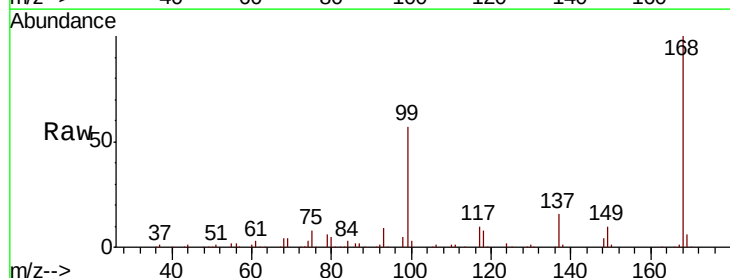


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

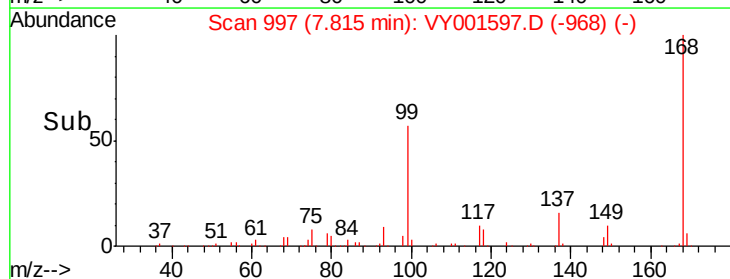
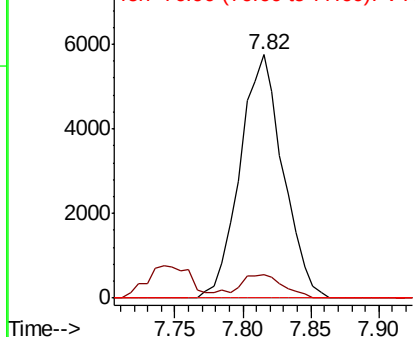


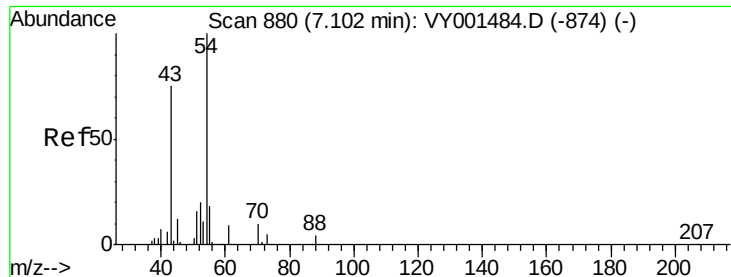
#36
 1,1-Dichloropropene
 Concen: 4.715 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY001597.D
 Acq: 11 Feb 2020 14:30

Tgt Ion: 75 Resp: 12731
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.2 54.6#
 77 0.0 25.0 37.4#



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

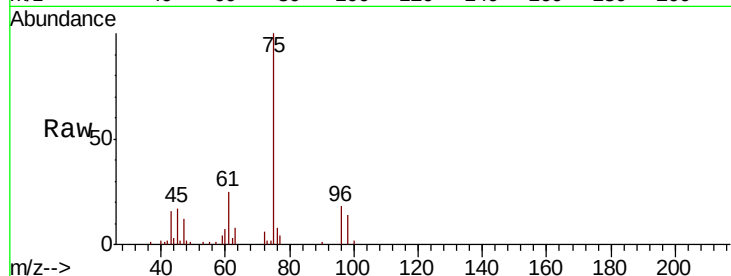




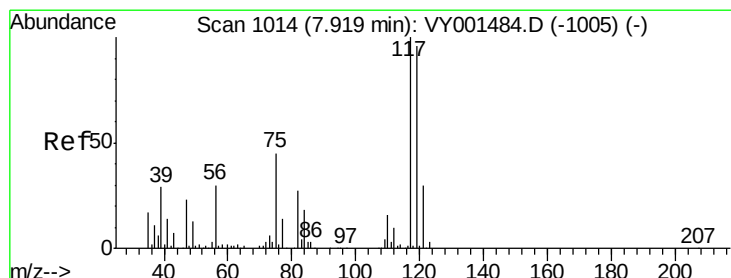
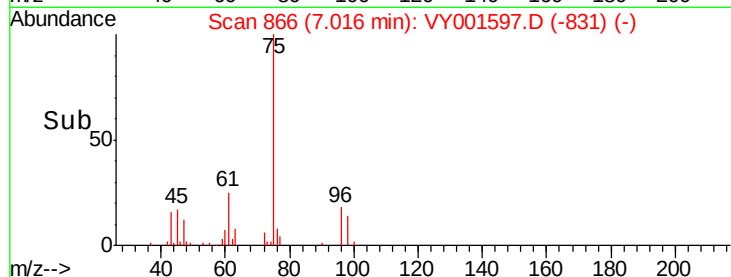
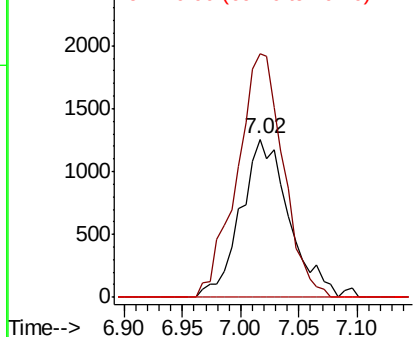
#37
Ethyl Acetate
Concen: 2.775 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.09 min
Lab File: VY001597.D
Acq: 11 Feb 2020 14:30

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 3627
Ion Ratio Lower Upper
43 100
61 147.2 12.0 18.0#
70 0.0 10.2 15.4#

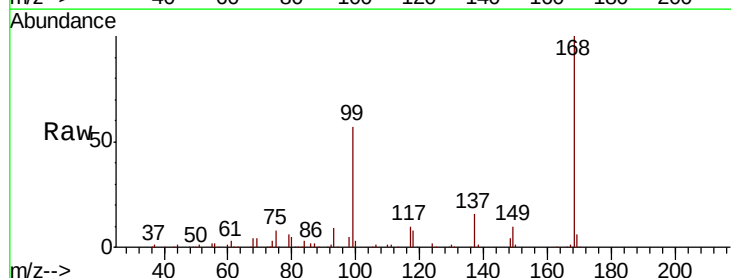


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

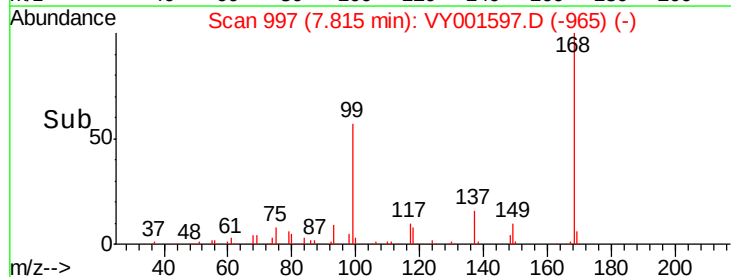
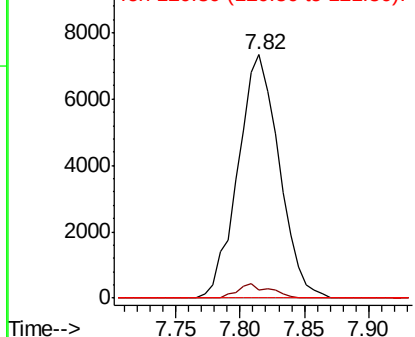


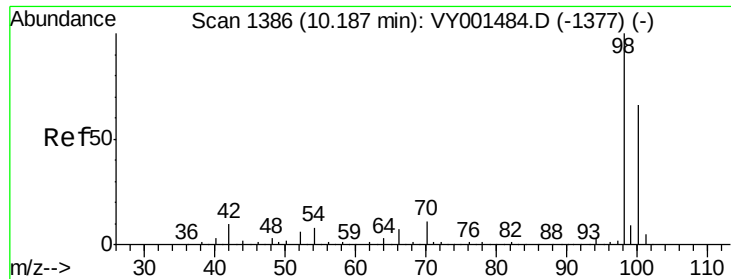
#38
Carbon Tetrachloride
Concen: 6.217 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.10 min
Lab File: VY001597.D
Acq: 11 Feb 2020 14:30

Tgt Ion: 117 Resp: 16242
Ion Ratio Lower Upper
117 100
119 3.2 76.4 114.6#
121 0.0 24.2 36.4#



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: 54.835 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001597.D

Acq: 11 Feb 2020 14:30

Instrument :

MSVOA_Y

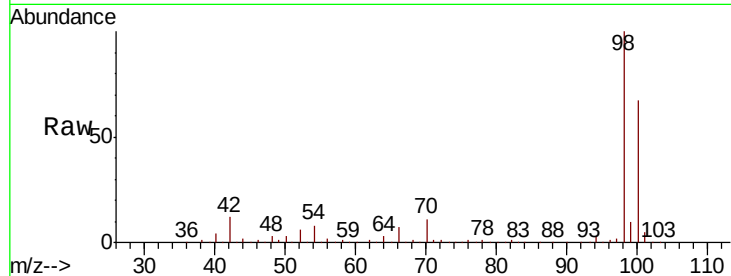
ClientSampled :

Tot Ion: 98 Resp: 353102

Ion Ratio Lower Upper

98 100

100 66.4 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

200000

150000

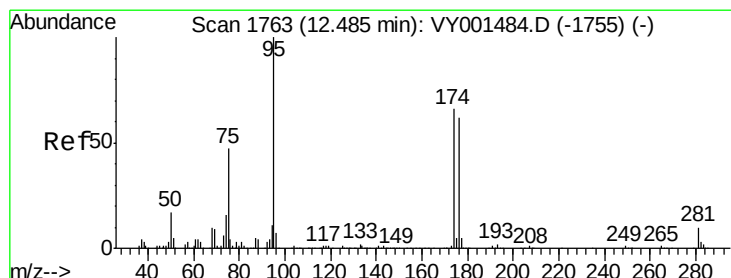
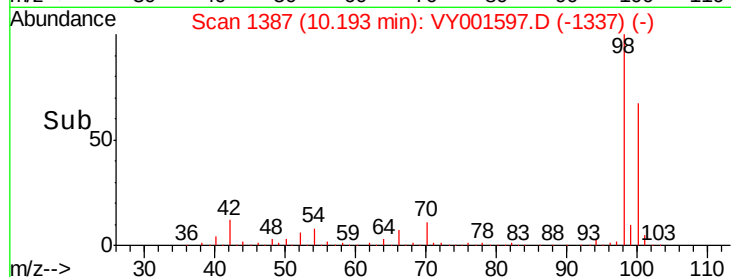
100000

50000

0

10.10 10.20 10.30

Time-->



#62

4-Bromofluorobenzene

Concen: 43.800 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001597.D

Acq: 11 Feb 2020 14:30

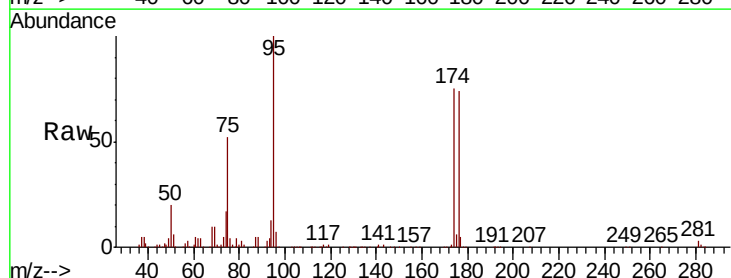
Tgt Ion: 95 Resp: 111110

Ion Ratio Lower Upper

95 100

174 75.7 0.0 141.4

176 74.2 0.0 135.4



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

100000

80000

60000

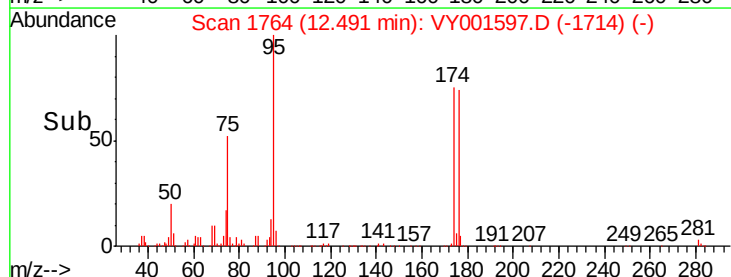
40000

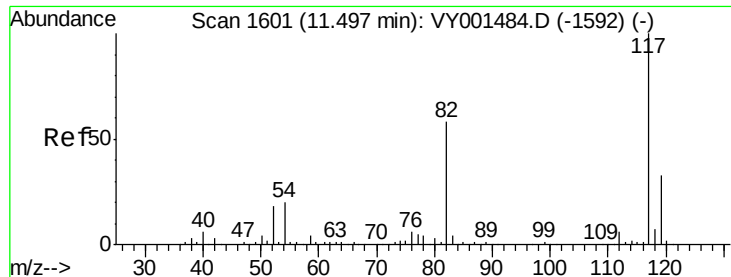
20000

0

12.40 12.45 12.50 12.55

Time-->

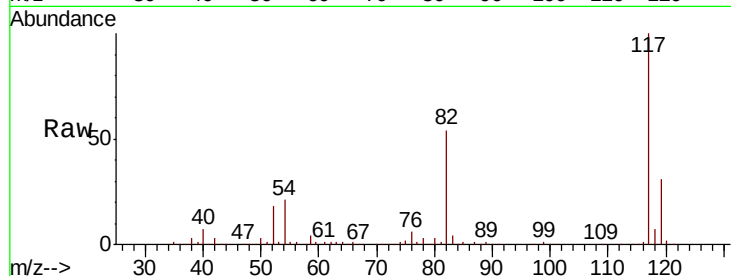




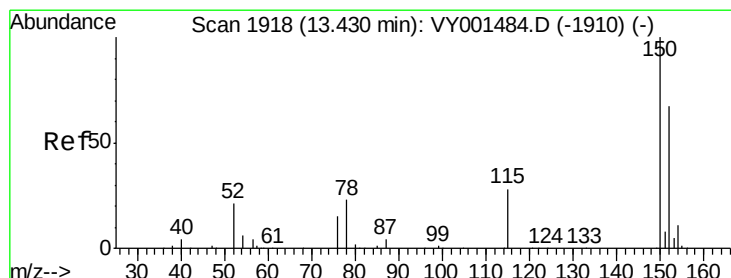
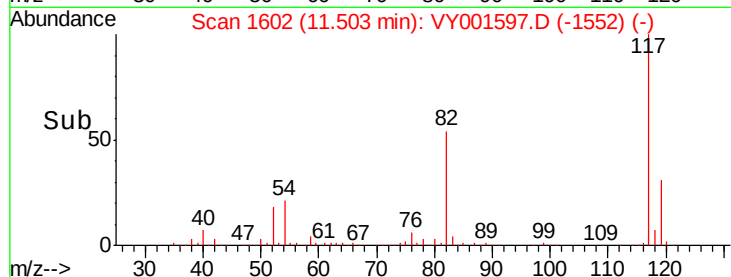
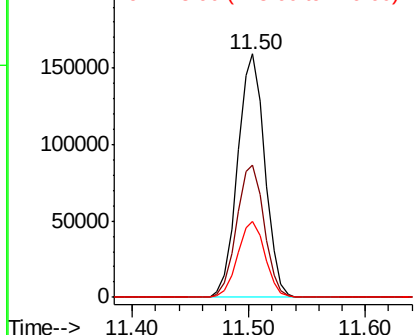
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001597.D
Acq: 11 Feb 2020 14:30

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 258621
Ion Ratio Lower Upper
117 100
82 54.2 46.1 69.1
119 31.4 26.1 39.1

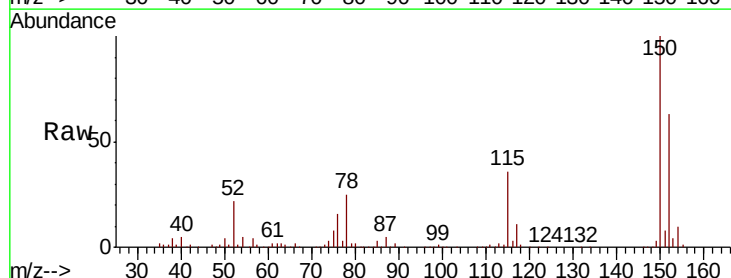


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

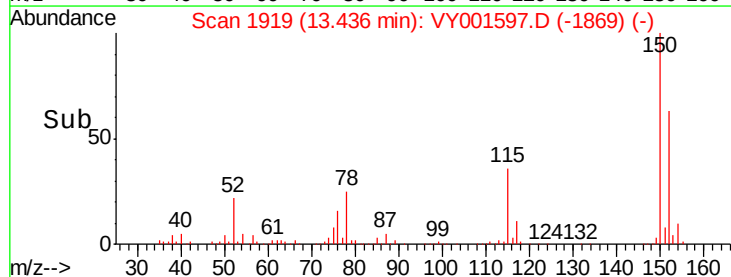
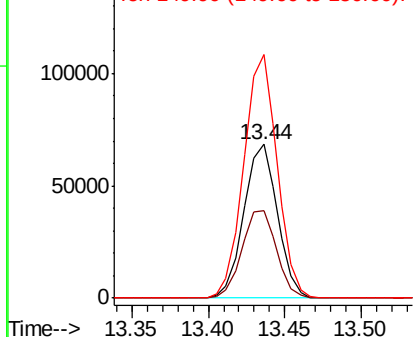


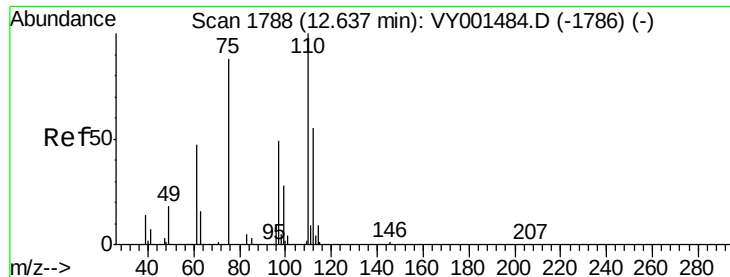
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001597.D
Acq: 11 Feb 2020 14:30

Tgt Ion:152 Resp: 104410
Ion Ratio Lower Upper
152 100
115 58.5 31.4 94.3
150 157.7 0.0 346.8



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





#76

1,2,3-Trichloropropane

Concen: 50.435 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001597.D

Acq: 11 Feb 2020 14:30

Instrument :

MSVOA_Y

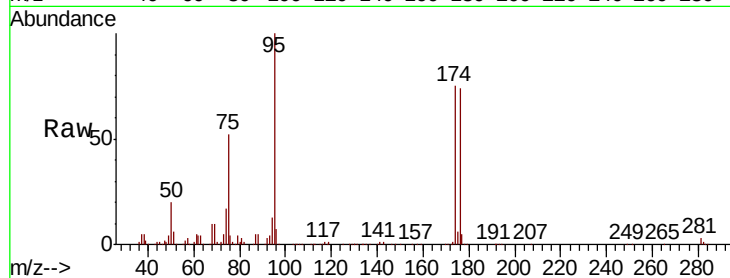
ClientSampleId :

Tot Ion: 75 Resp: 56630

Ion Ratio Lower Upper

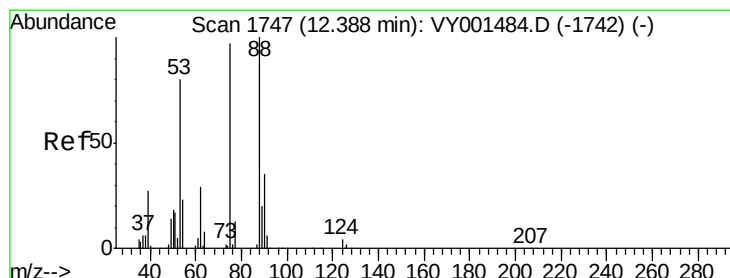
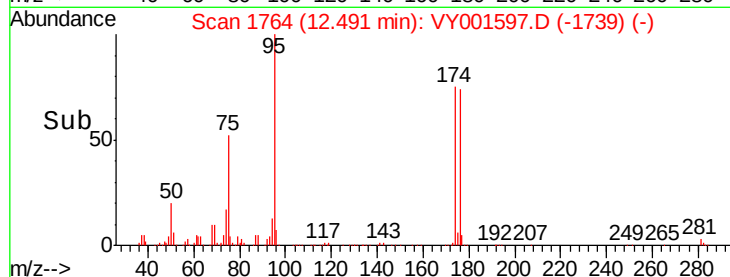
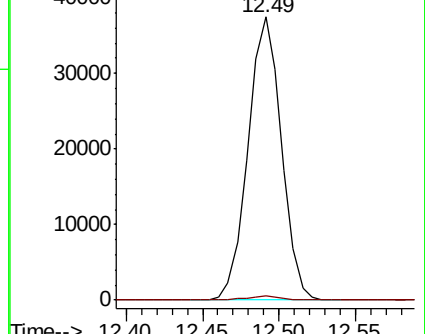
75 100

77 1.4 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: 97.590 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001597.D

Acq: 11 Feb 2020 14:30

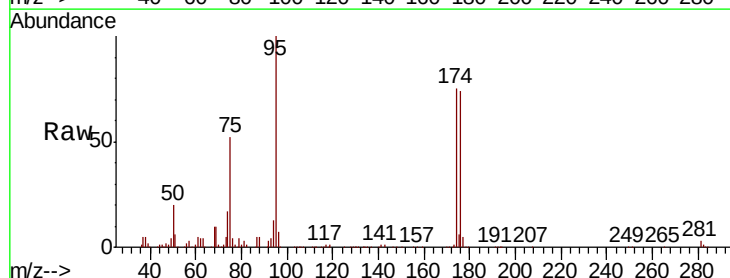
Tgt Ion: 75 Resp: 56630

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.1 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

