

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021120\
 Data File : VY001601.D
 Acq On : 11 Feb 2020 15:59
 Operator : SY/MD
 Sample : L1488-05
 Misc : 6.68G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 12 07:54:58 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	7.81	168	167547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	302236	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	267725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	117581	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	99640	59.06	ug/l	0.00
Spiked Amount			Recovery	=	118.12%	
35) Dibromofluoromethane	7.74	113	87925	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
50) Toluene-d8	10.19	98	359203	54.48	ug/l	0.00
Spiked Amount			Recovery	=	108.96%	
62) 4-Bromofluorobenzene	12.49	95	122278	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	

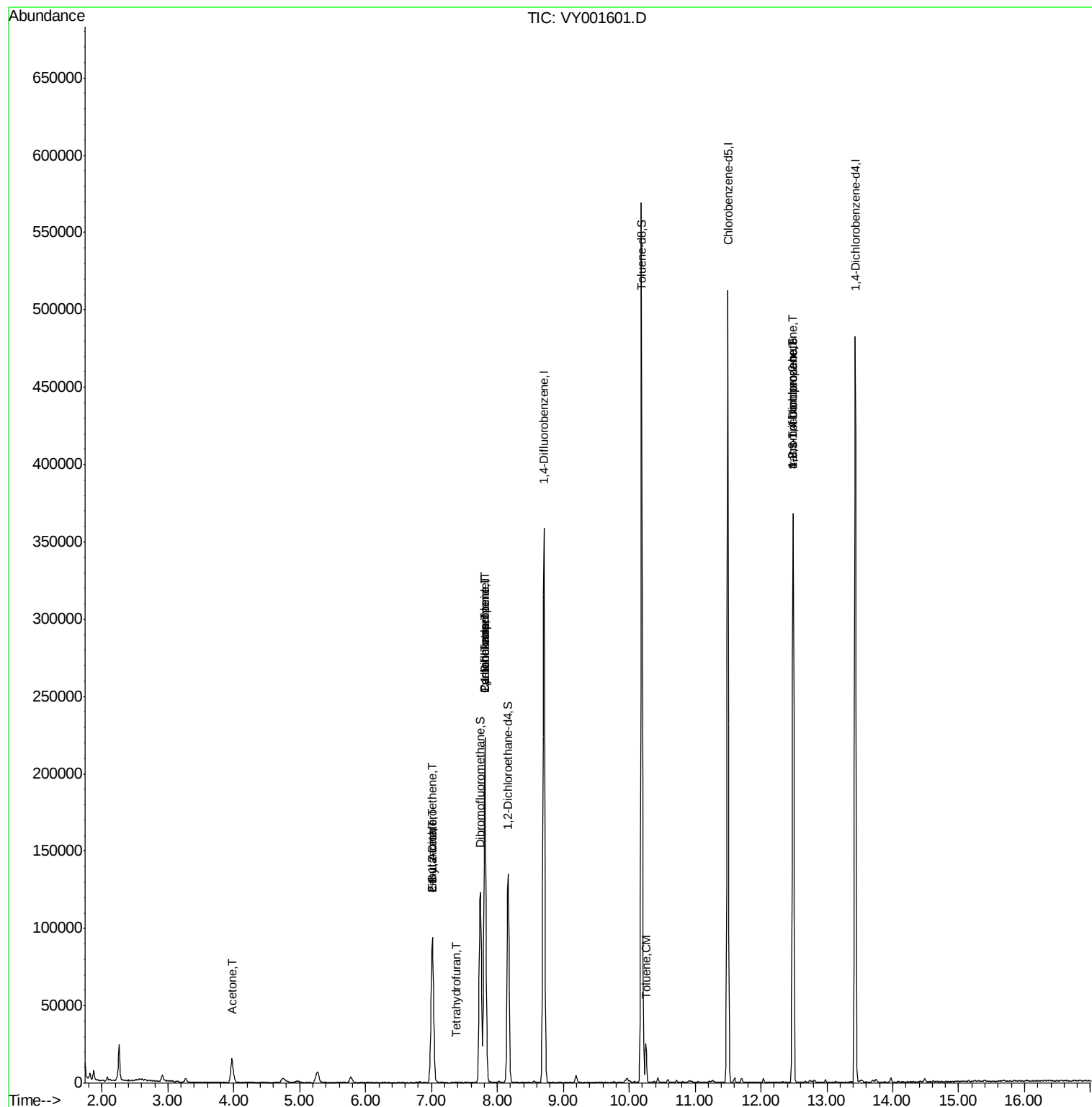
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	1938	Below Cal	#	76
16) Acetone	3.97	43	26439	54.182	ug/l	94
20) Methylene Chloride	4.75	84	1934	Below Cal		95
25) 2-Butanone	7.02	43	1958	3.093	ug/l #	71
27) cis-1,2-Dichloroethene	7.02	96	55877	26.124	ug/l	93
29) Tetrahydrofuran	7.37	42	421	1.110	ug/l #	47
31) Cyclohexane	7.81	56	4733	1.441	ug/l #	23
36) 1,1-Dichloropropene	7.81	75	13539	4.897	ug/l #	49
37) Ethyl Acetate	7.02	43	1958	1.463	ug/l #	1
38) Carbon Tetrachloride	7.81	117	16372	6.120	ug/l #	17
52) Toluene	10.25	92	10288	2.056	ug/l	97
76) 1,2,3-Trichloropropane	12.49	75	60695	48.000	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	60695	92.878	ug/l #	16

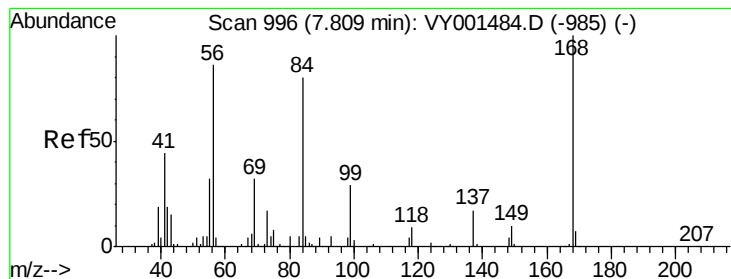
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001601.D

Acq: 11 Feb 2020 15:59

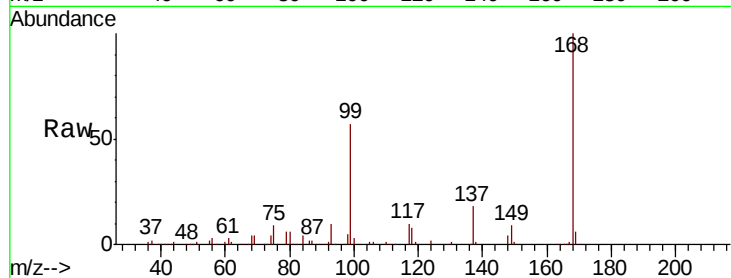
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 167547

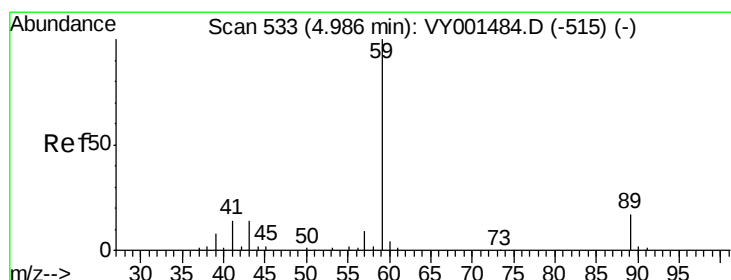
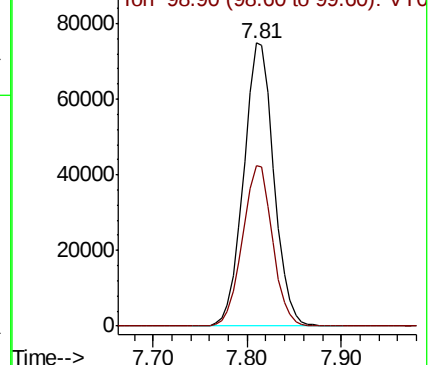
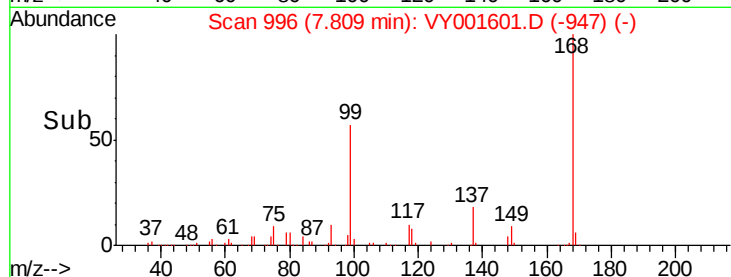
Ion Ratio Lower Upper

168 100

99 56.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001601.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. -0.02 min

Lab File: VY001601.D

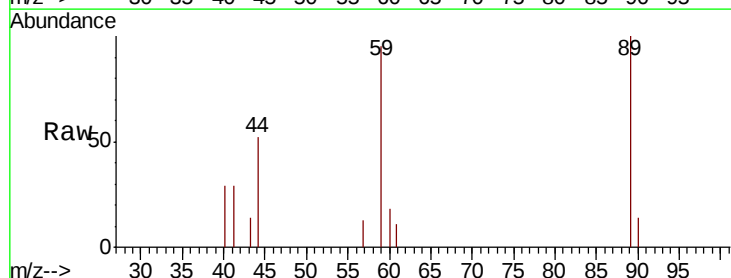
Acq: 11 Feb 2020 15:59

Tgt Ion: 59 Resp: 1938

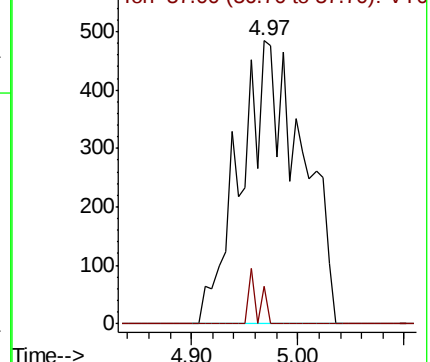
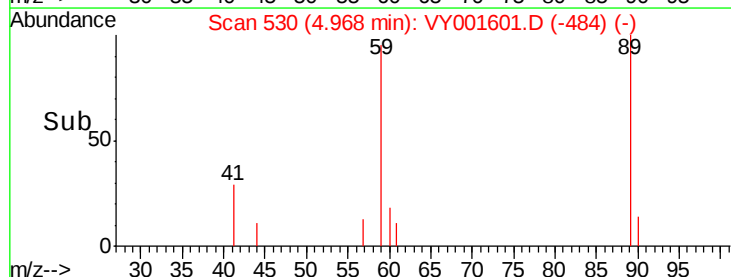
Ion Ratio Lower Upper

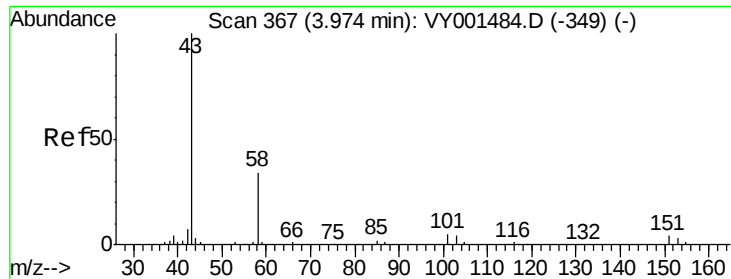
59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001601.D (-484) (-)





#16

Acetone

Concen: 54.182 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY001601.D

Acq: 11 Feb 2020 15:59

Instrument :

MSVOA_Y

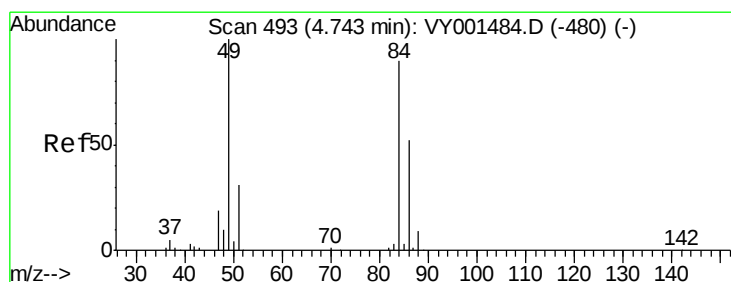
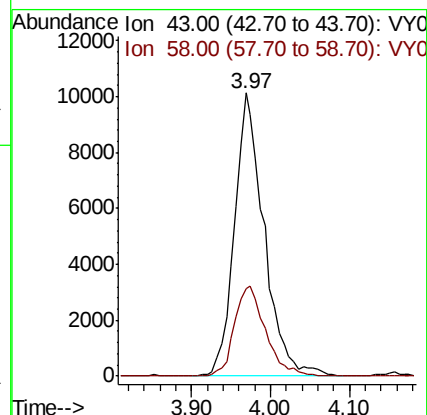
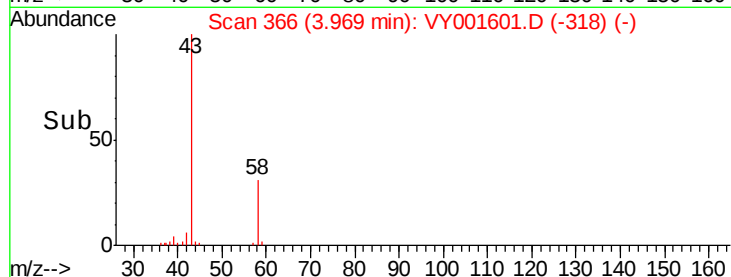
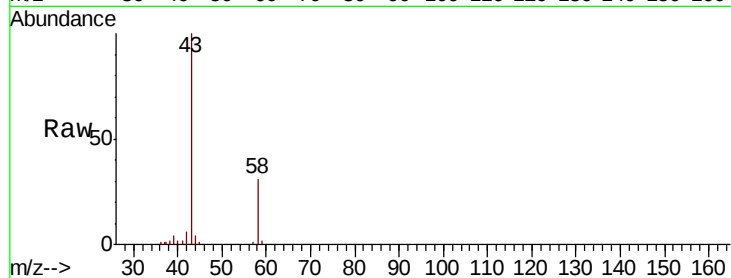
ClientSampleId :

Tot Ion: 43 Resp: 26439

Ion Ratio Lower Upper

43 100

58 31.0 27.5 41.3



#20

Methylene Chloride

Concen: Below Cal

RT: 4.75 min Scan# 495

Delta R.T. 0.01 min

Lab File: VY001601.D

Acq: 11 Feb 2020 15:59

Tgt Ion: 84 Resp: 1934

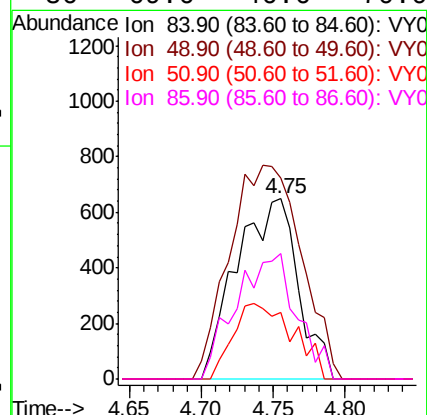
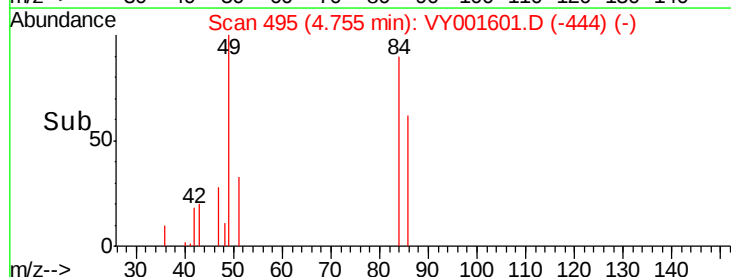
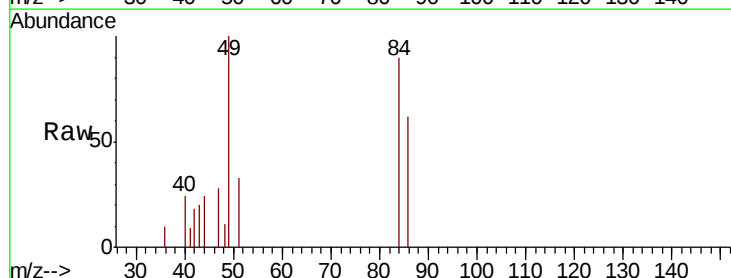
Ion Ratio Lower Upper

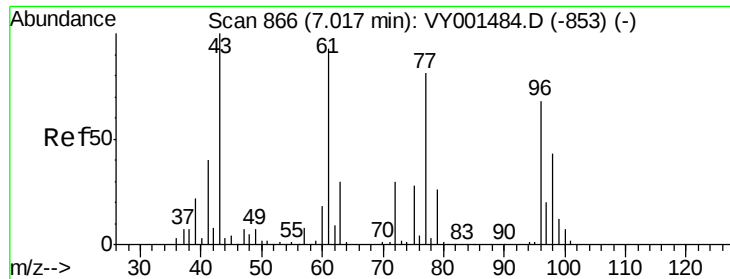
84 100

49 111.6 89.0 133.6

51 36.7 27.4 41.2

86 69.6 46.6 70.0





#25

2-Butanone

Concen: 3.093 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001601.D

Acq: 11 Feb 2020 15:59

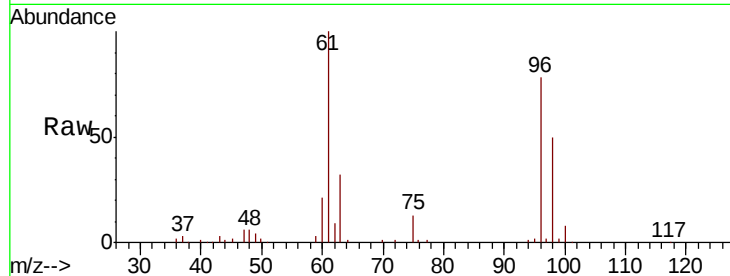
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 1958

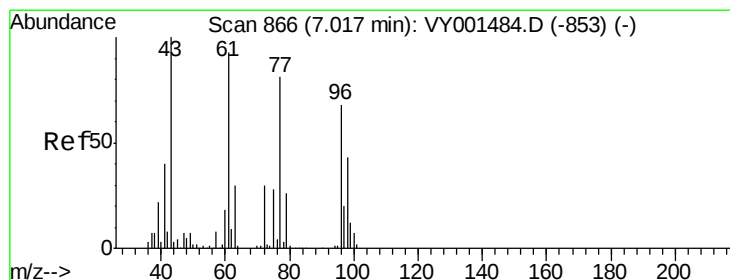
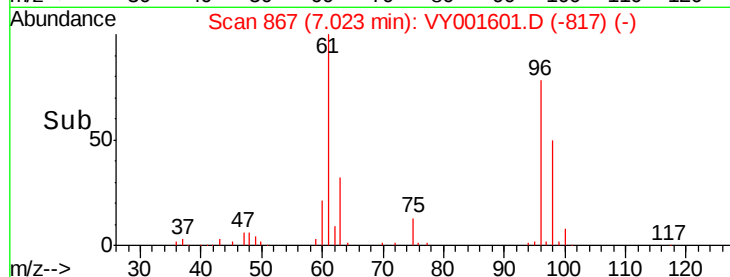
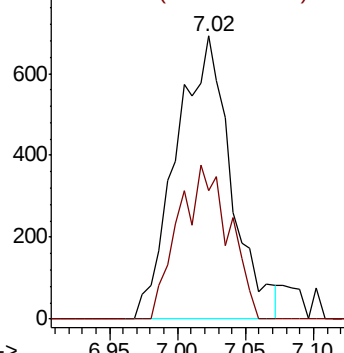
Ion Ratio Lower Upper

43 100

72 45.4 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: 26.124 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001601.D

Acq: 11 Feb 2020 15:59

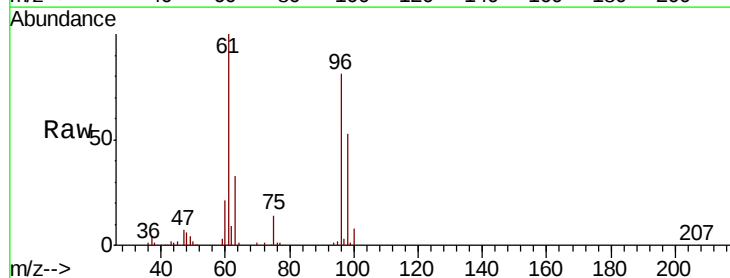
Tgt Ion: 96 Resp: 55877

Ion Ratio Lower Upper

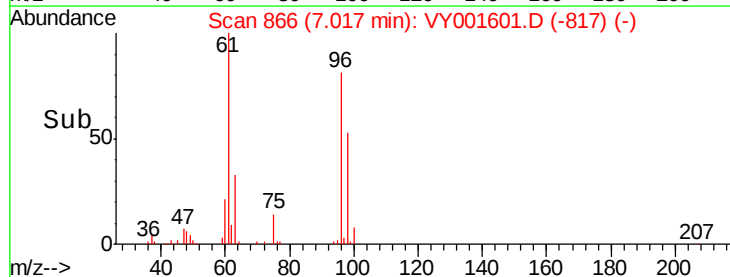
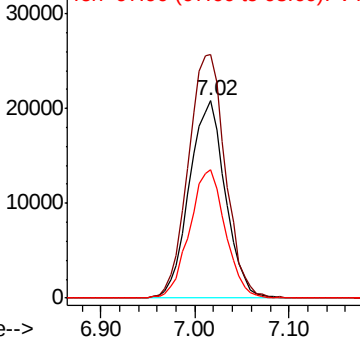
96 100

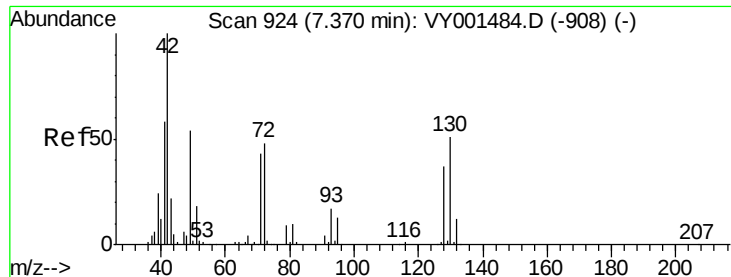
61 126.9 0.0 278.8

98 64.4 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

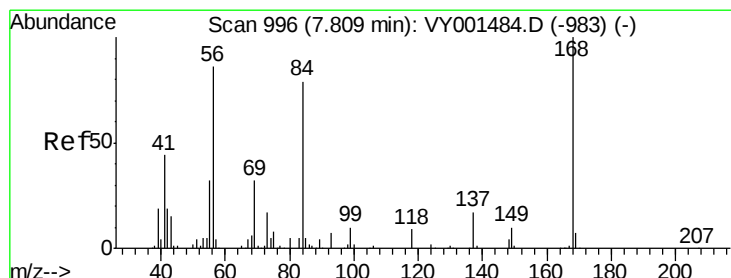
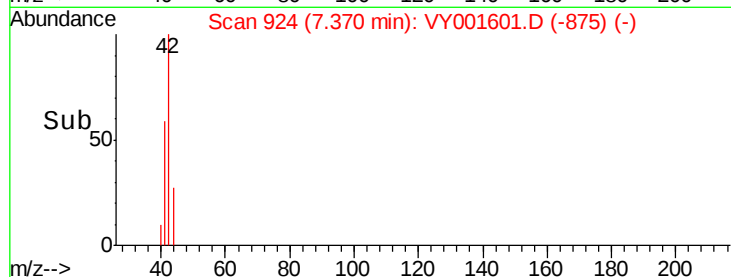
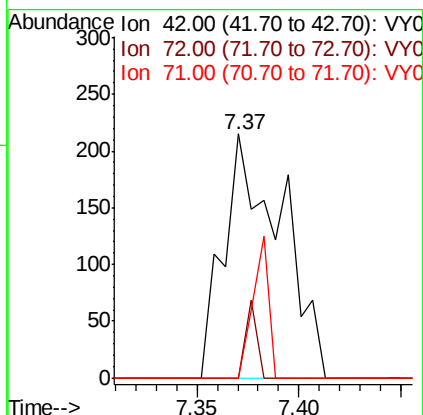
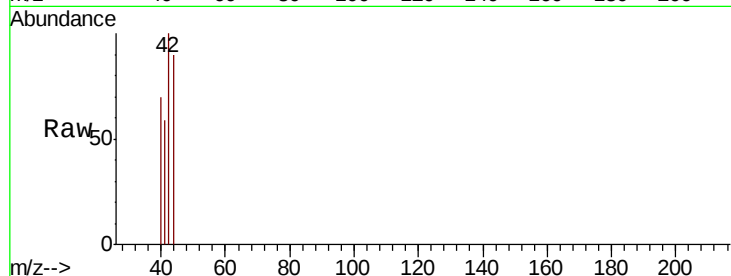




#29
Tetrahydrofuran
Concen: 1.110 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.00 min
Lab File: VY001601.D
Acq: 11 Feb 2020 15:59

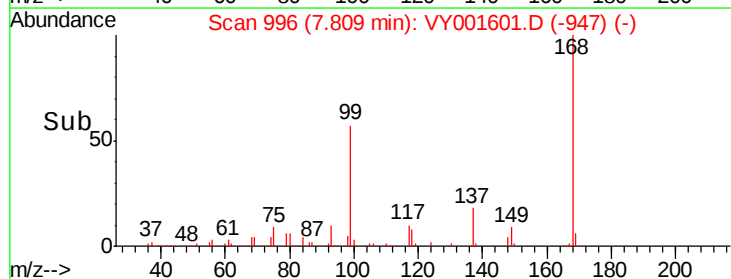
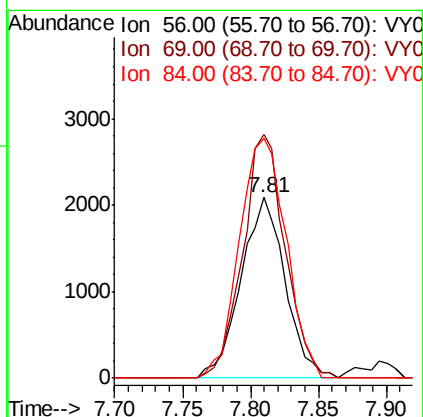
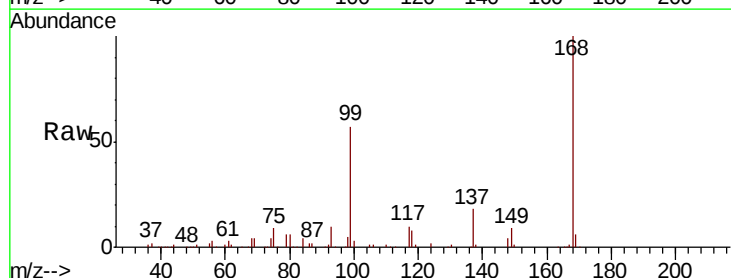
Instrument :
MSVOA_Y
ClientSampled :

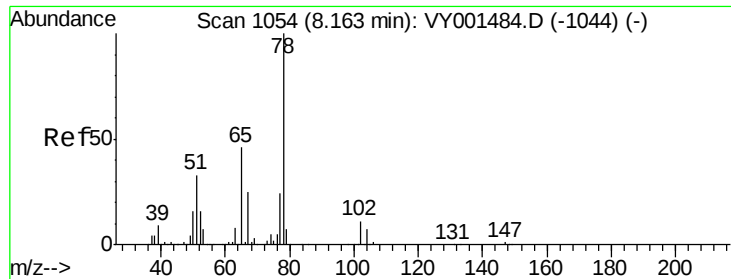
Tot Ion: 42 Resp: 421
Ion Ratio Lower Upper
42 100
72 5.9 37.8 56.6#
71 15.9 34.8 52.2#



#31
Cyclohexane
Concen: 1.441 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY001601.D
Acq: 11 Feb 2020 15:59

Tgt Ion: 56 Resp: 4733
Ion Ratio Lower Upper
56 100
69 134.8 29.6 44.4#
84 132.6 73.6 110.4#

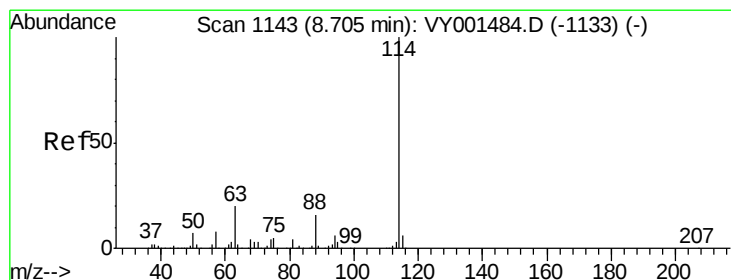
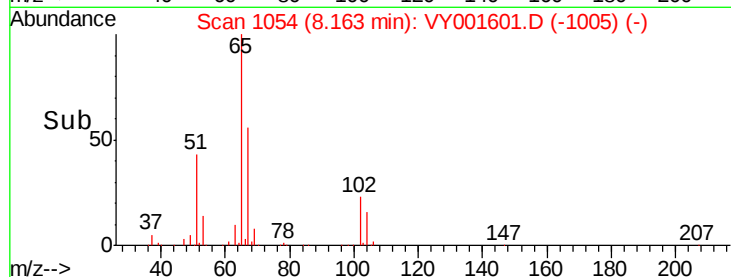
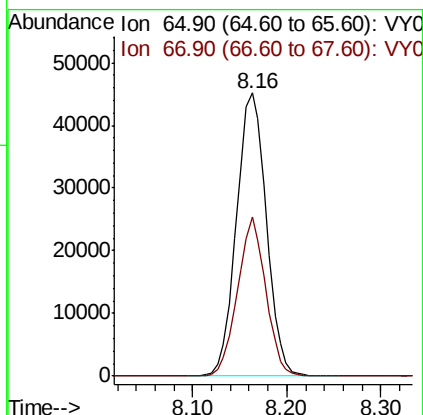
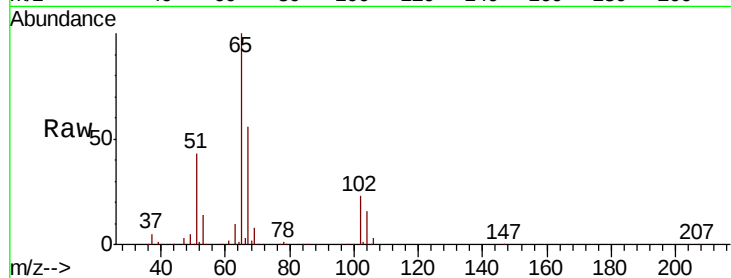




#33
 1,2-Dichloroethane-d4
 Concen: 59.065 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VY001601.D
 Acq: 11 Feb 2020 15:59

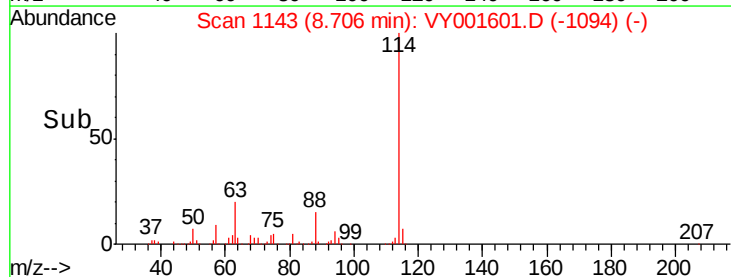
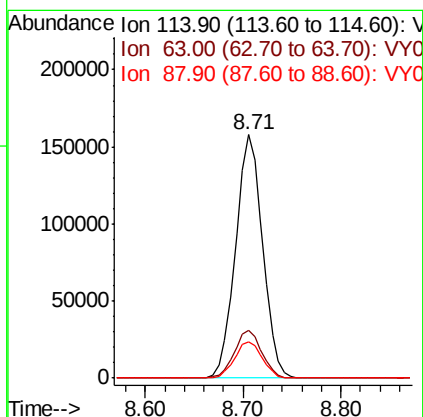
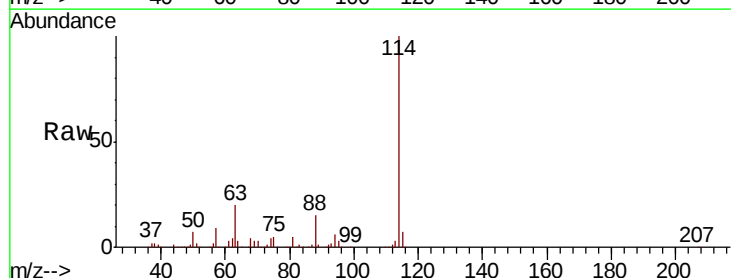
Instrument :
 MSVOA_Y
 ClientSampled :

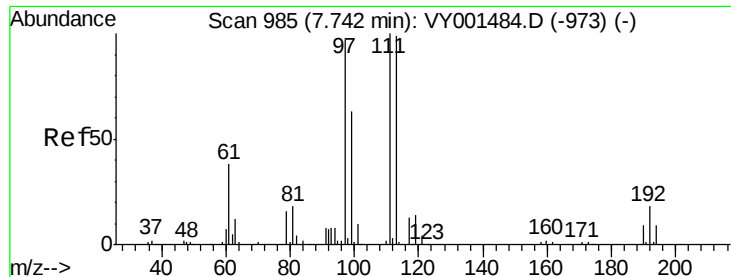
Tot Ion: 65 Resp: 99640
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY001601.D
 Acq: 11 Feb 2020 15:59

Tgt Ion: 114 Resp: 302236
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 14.9 0.0 32.6

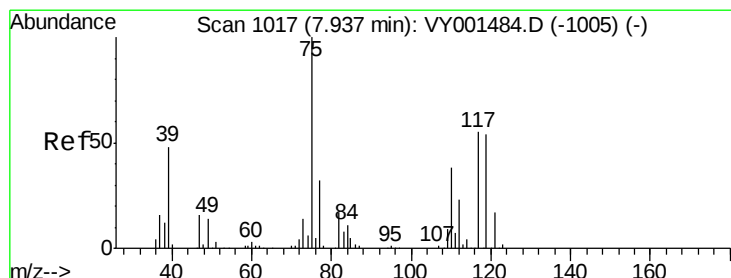
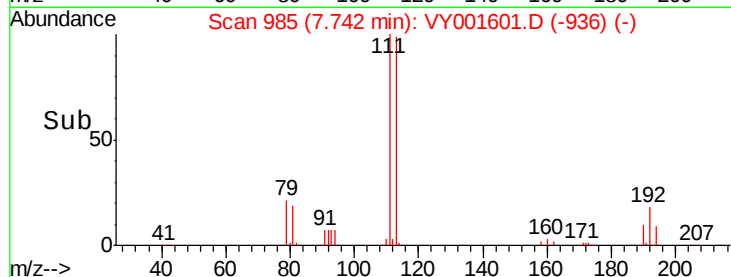
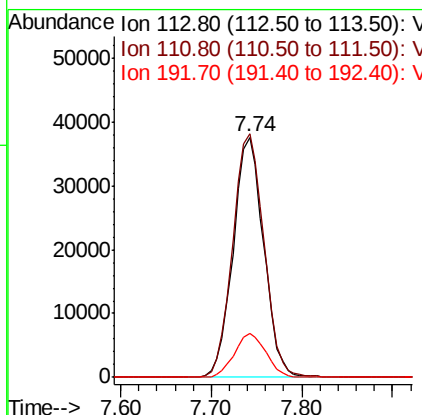
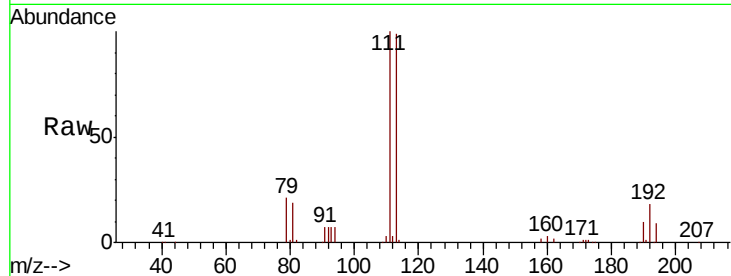




#35
 Dibromofluoromethane
 Concen: 50.449 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VY001601.D
 Acq: 11 Feb 2020 15:59

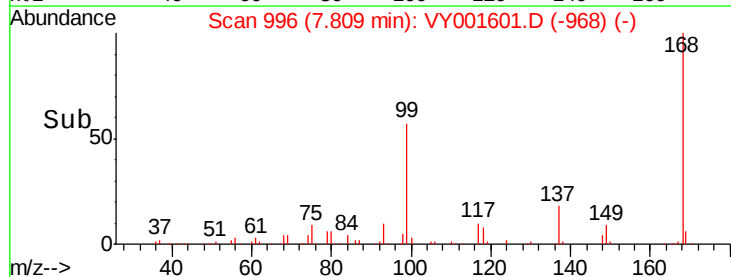
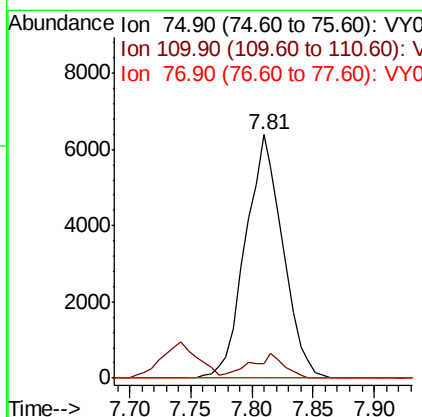
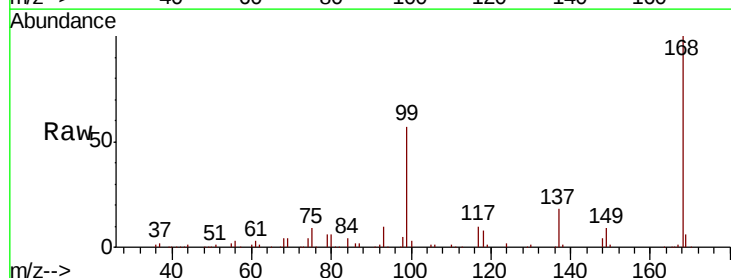
Instrument :
 MSVOA_Y
 ClientSampleId :

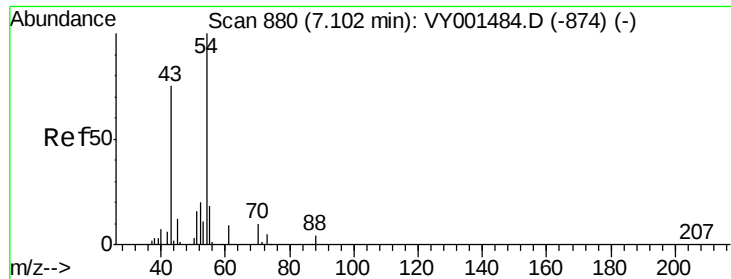
Tot Ion:113 Resp: 87925
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.9 124.3
 192 18.9 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 4.897 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001601.D
 Acq: 11 Feb 2020 15:59

Tgt Ion: 75 Resp: 13539
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.2 54.6#
 77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.463 ug/l

RT: 7.02 min Scan# 867

Delta R.T. -0.08 min

Lab File: VY001601.D

Acq: 11 Feb 2020 15:59

Instrument :

MSVOA_Y

ClientSampleId :

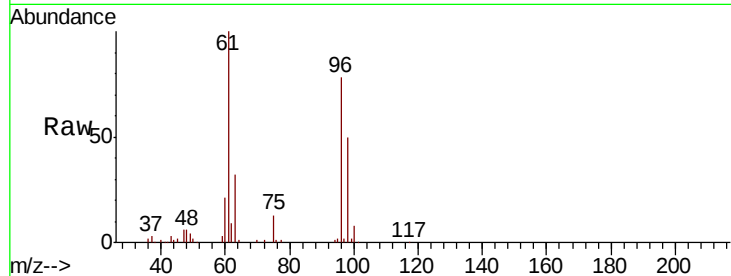
Tot Ion: 43 Resp: 1958

Ion Ratio Lower Upper

43 100

61 3620.8 12.0 18.0#

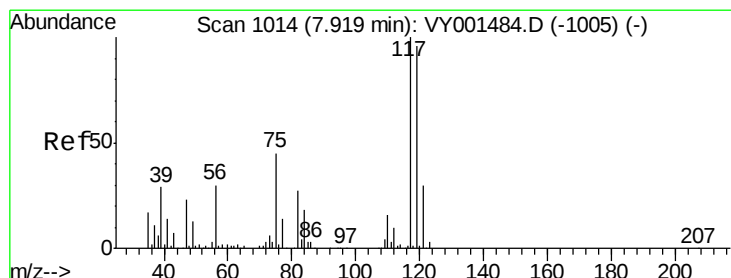
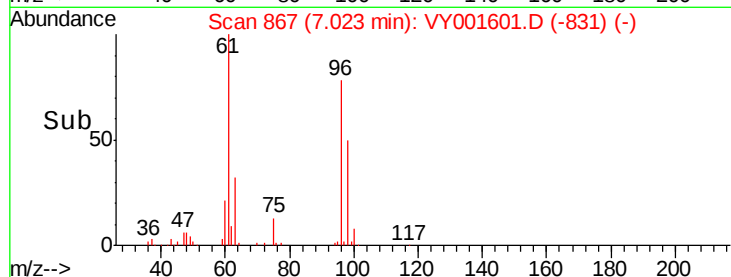
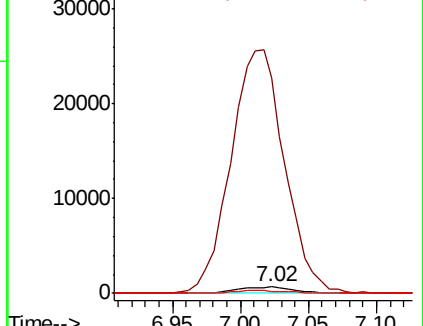
70 40.9 10.2 15.4#



Abundance Ion 43.00 (42.70 to 43.70): VY001601.D (-867) (-)

Ion 60.90 (60.60 to 61.60): VY001601.D (-867) (-)

Ion 70.00 (69.70 to 70.70): VY001601.D (-867) (-)



#38

Carbon Tetrachloride

Concen: 6.120 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.11 min

Lab File: VY001601.D

Acq: 11 Feb 2020 15:59

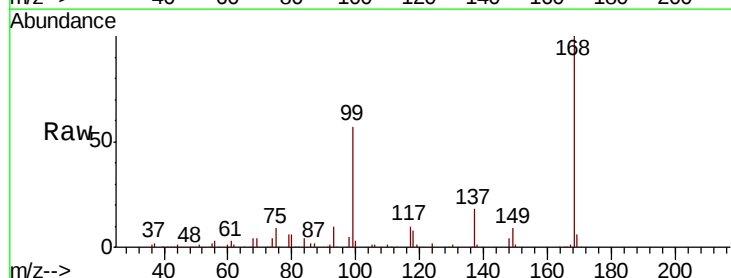
Tgt Ion: 117 Resp: 16372

Ion Ratio Lower Upper

117 100

119 6.6 76.4 114.6#

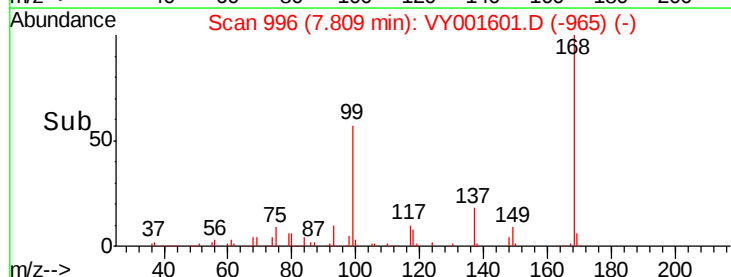
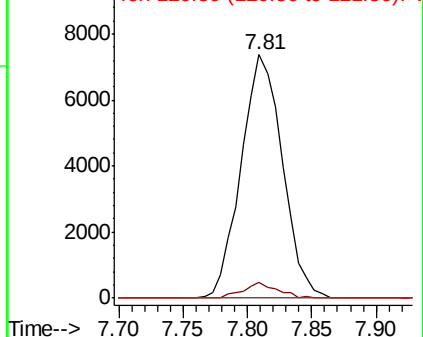
121 0.0 24.2 36.4#

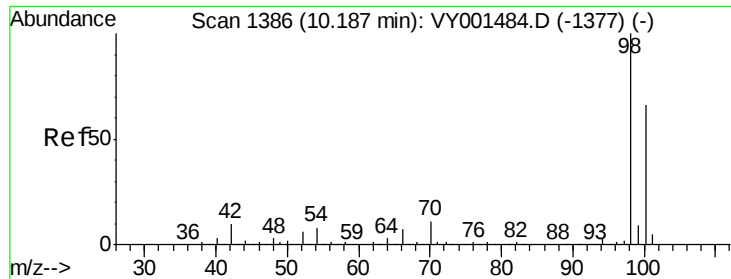


Abundance Ion 116.80 (116.50 to 117.50): VY001601.D (-965) (-)

Ion 118.80 (118.50 to 119.50): VY001601.D (-965) (-)

Ion 120.80 (120.50 to 121.50): VY001601.D (-965) (-)





#50

Toluene-d8

Concen: 54.475 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY001601.D

Acq: 11 Feb 2020 15:59

Instrument :

MSVOA_Y

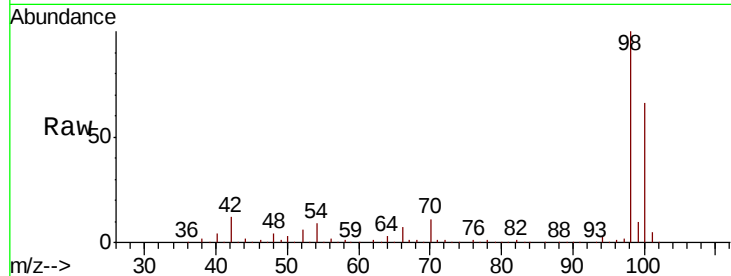
ClientSampled :

Tot Ion: 98 Resp: 359203

Ion Ratio Lower Upper

98 100

100 65.9 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY001484.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY001484.D (-1377) (-)

10.19

200000

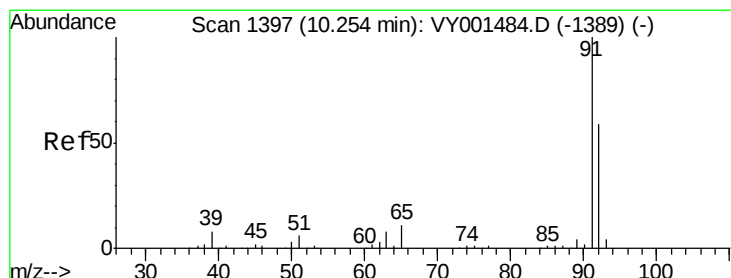
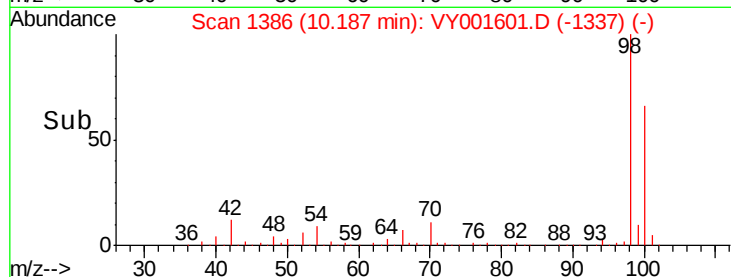
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 2.056 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VY001601.D

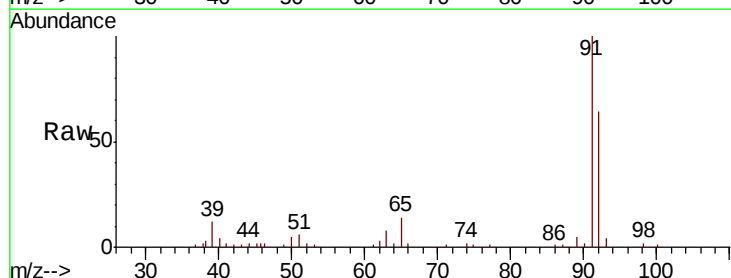
Acq: 11 Feb 2020 15:59

Tgt Ion: 92 Resp: 10288

Ion Ratio Lower Upper

92 100

91 166.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY001484.D (-1389) (-)

Ion 91.00 (90.70 to 91.70): VY001484.D (-1389) (-)

10.25

10000

8000

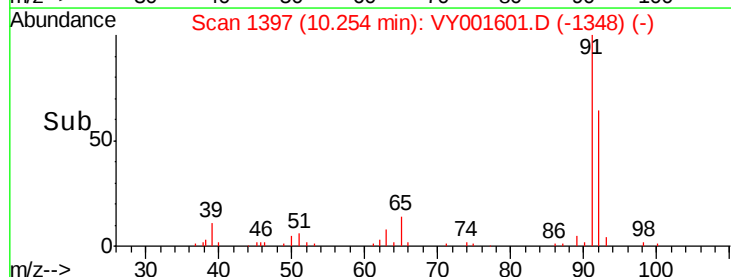
6000

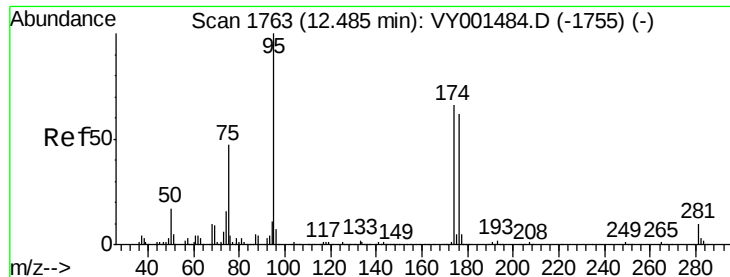
4000

2000

0

Time-->

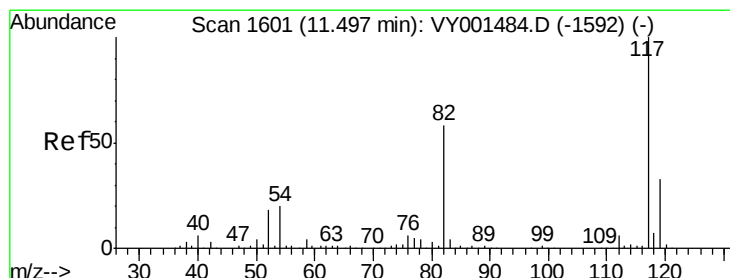
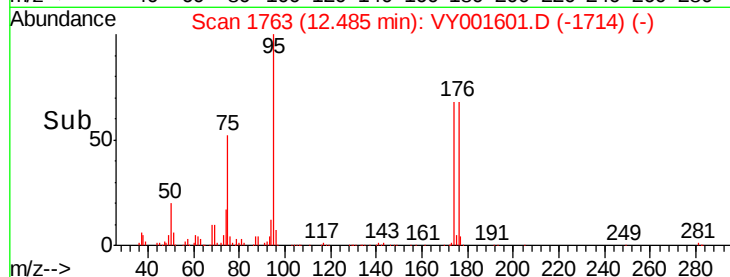
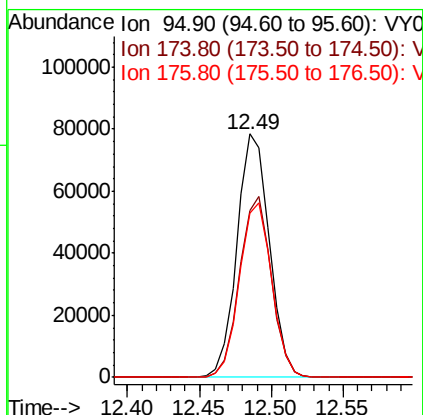
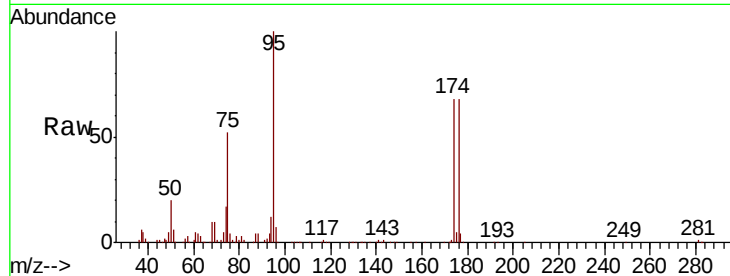




#62
4-Bromofluorobenzene
Concen: 47.073 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VY001601.D
Acq: 11 Feb 2020 15:59

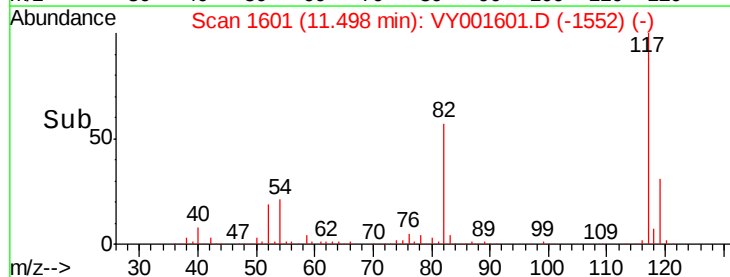
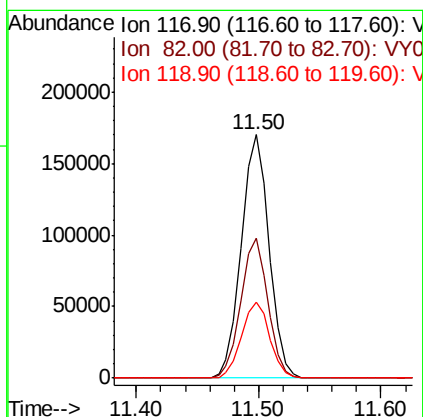
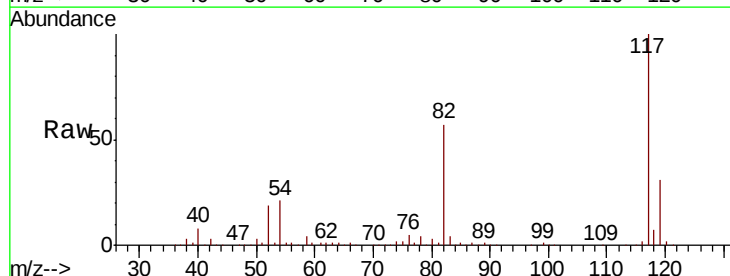
Instrument :
MSVOA_Y
ClientSampleId :

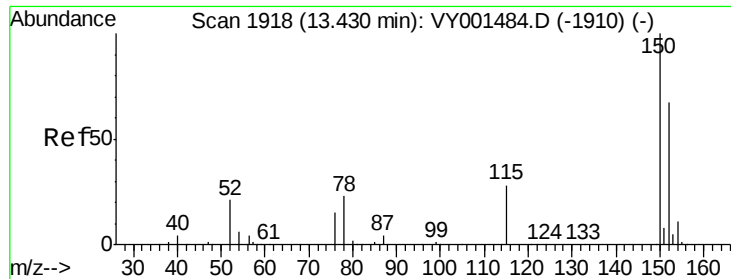
Tot Ion	95	Resp	122278
Ion Ratio	Lower	Upper	
95	100		
174	73.0	0.0	141.4
176	71.5	0.0	135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001601.D
Acq: 11 Feb 2020 15:59

Tgt Ion	117	Resp	267725
Ion Ratio	Lower	Upper	
117	100		
82	57.3	46.1	69.1
119	31.2	26.1	39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY001601.D

Acq: 11 Feb 2020 15:59

Instrument :

MSVOA_Y

ClientSampleId :

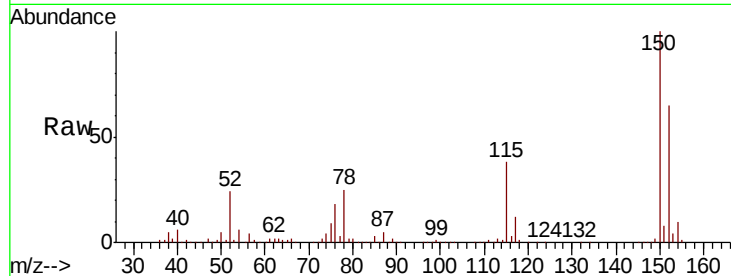
Tot Ion:152 Resp: 117581

Ion Ratio Lower Upper

152 100

115 59.4 31.4 94.3

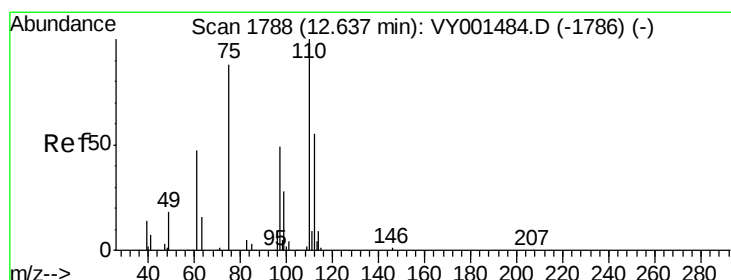
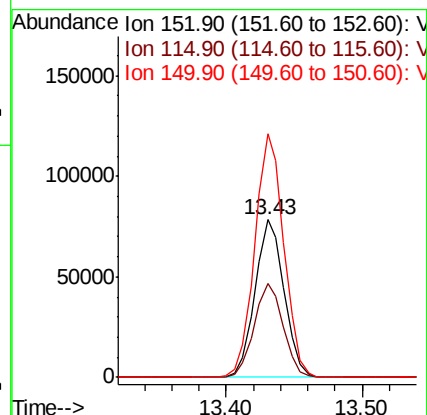
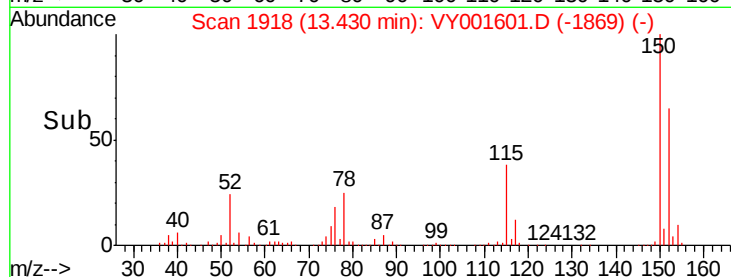
150 154.2 0.0 346.8



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: 48.000 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY001601.D

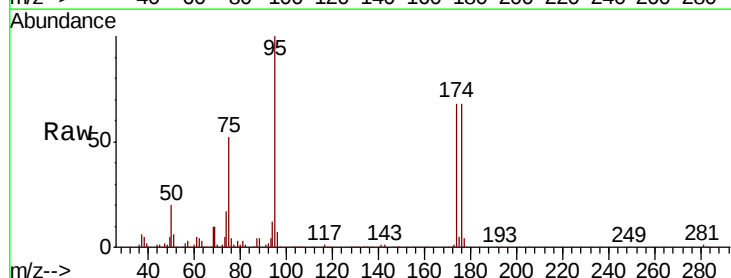
Acq: 11 Feb 2020 15:59

Tgt Ion: 75 Resp: 60695

Ion Ratio Lower Upper

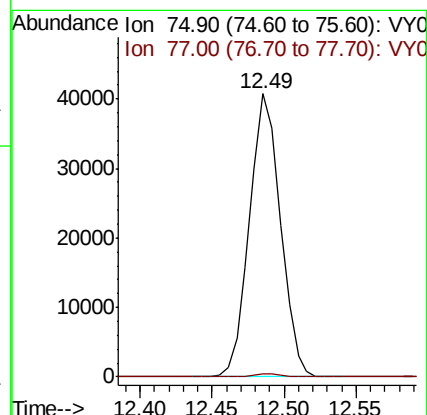
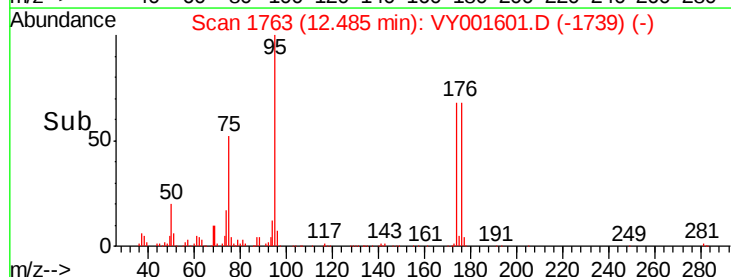
75 100

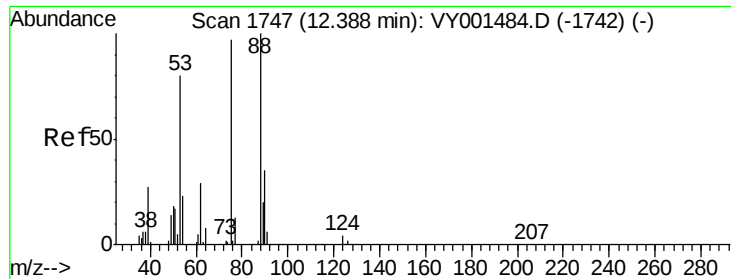
77 1.1 0.0 0.0#



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: 92.878 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001601.D

Acq: 11 Feb 2020 15:59

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 60695

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 34.6 52.0#

