

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021120\
 Data File : VY001605.D
 Acq On : 11 Feb 2020 17:27
 Operator : SY/MD
 Sample : L1488-06RE
 Misc : 5.55G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 12 07:55:45 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	154993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	280004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	251495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	111415	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	95092	60.93	ug/l	0.00
Spiked Amount			Recovery	=	121.86%	
35) Dibromofluoromethane	7.74	113	82262	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
50) Toluene-d8	10.19	98	334890	54.82	ug/l	0.00
Spiked Amount			Recovery	=	109.64%	
62) 4-Bromofluorobenzene	12.49	95	114289	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	

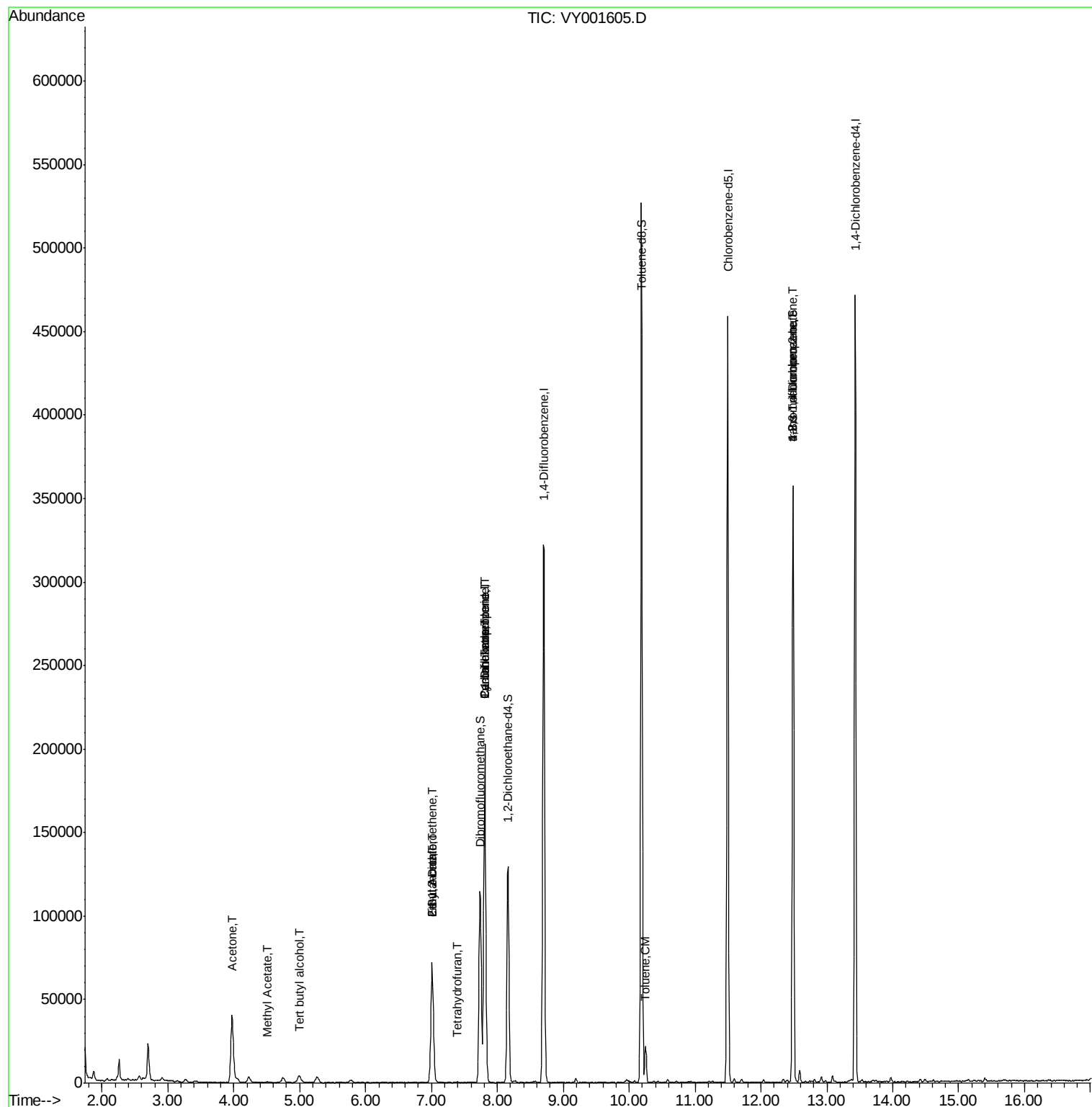
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	8557	17.283	ug/l	97
16) Acetone	3.97	43	73546	162.926	ug/l	96
18) Methyl Acetate	4.51	43	1541	1.600	ug/l #	77
20) Methylene Chloride	4.75	84	2208	Below Cal		94
25) 2-Butanone	7.02	43	6867	11.726	ug/l	97
27) cis-1,2-Dichloroethene	7.01	96	41062	20.753	ug/l	91
29) Tetrahydrofuran	7.38	42	445	1.268	ug/l #	53
31) Cyclohexane	7.80	56	4114	1.354	ug/l #	33
36) 1,1-Dichloropropene	7.80	75	12514	4.885	ug/l #	48
37) Ethyl Acetate	7.02	43	6867	5.538	ug/l #	1
38) Carbon Tetrachloride	7.81	117	15401	6.214	ug/l #	17
52) Toluene	10.25	92	8920	1.924	ug/l	97
76) 1,2,3-Trichloropropane	12.49	75	57691	48.150	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	57691	93.167	ug/l #	16

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001605.D

Acq: 11 Feb 2020 17:27

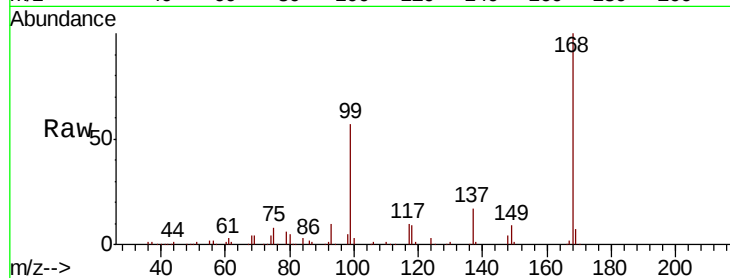
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 154993

Ion Ratio Lower Upper

168 100

99 56.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY001484.D (-985) (-)

7.81

60000

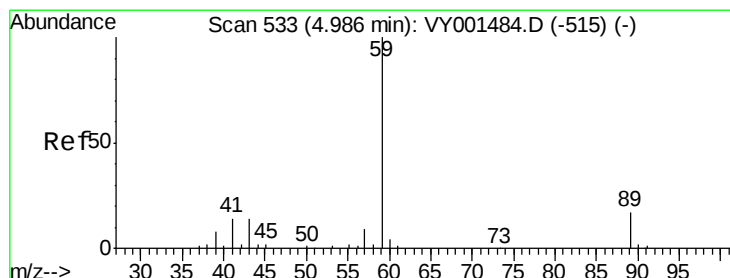
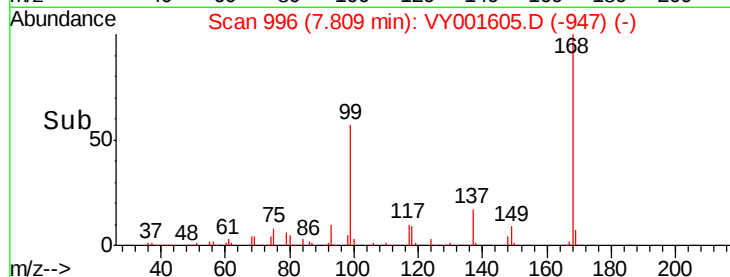
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: 17.283 ug/l

RT: 4.99 min Scan# 534

Delta R.T. 0.01 min

Lab File: VY001605.D

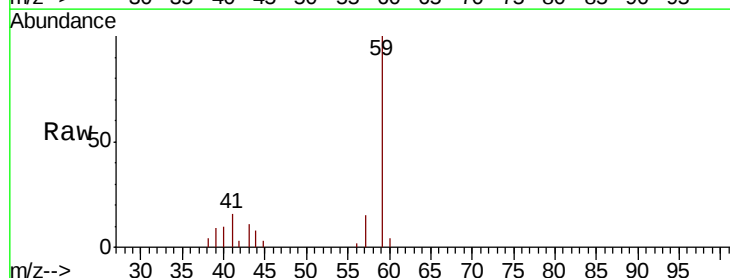
Acq: 11 Feb 2020 17:27

Tgt Ion: 59 Resp: 8557

Ion Ratio Lower Upper

59 100

57 9.9 7.0 10.6



Abundance Ion 59.00 (58.70 to 59.70): VY001484.D (-515) (-)

Ion 57.00 (56.70 to 57.70): VY001484.D (-515) (-)

4.99

2500

2000

1500

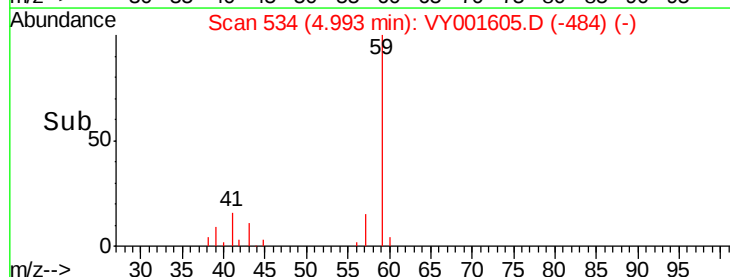
1000

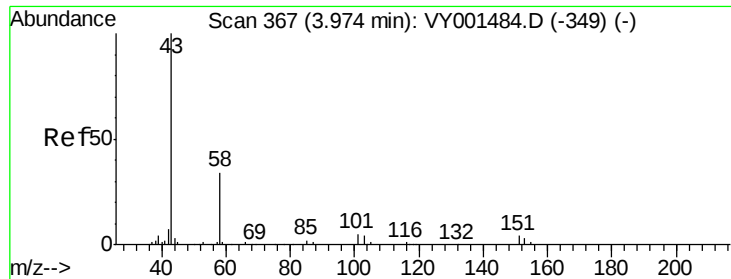
500

0

4.90 5.00 5.10

Time-->





#16

Acetone

Concen: 162.926 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY001605.D

Acq: 11 Feb 2020 17:27

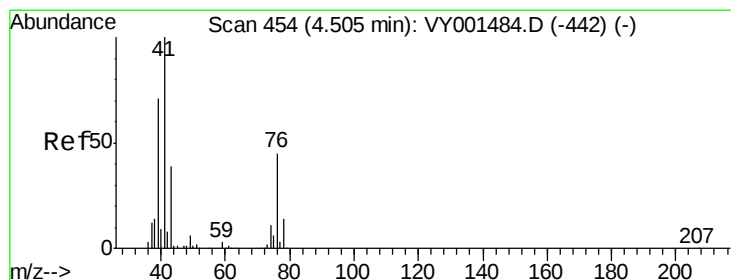
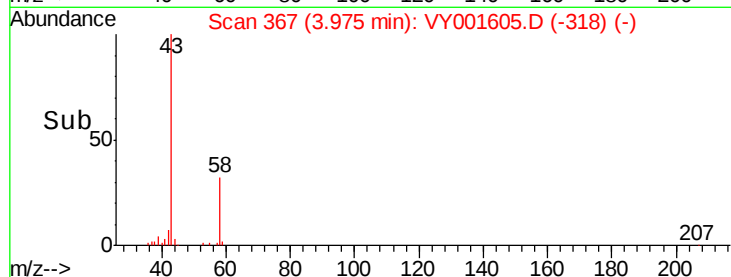
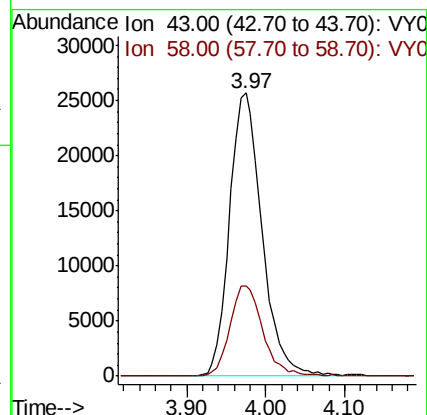
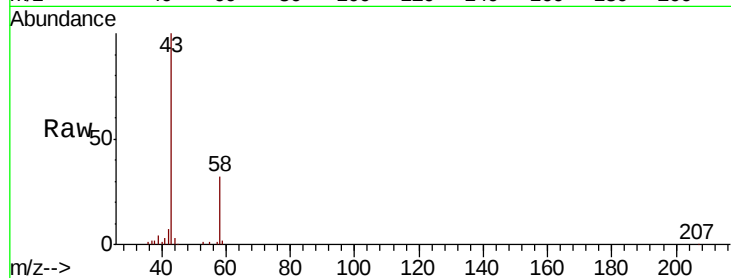
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 73546

Ion Ratio Lower Upper

43 100

58 31.8 27.5 41.3



#18

Methyl Acetate

Concen: 1.600 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY001605.D

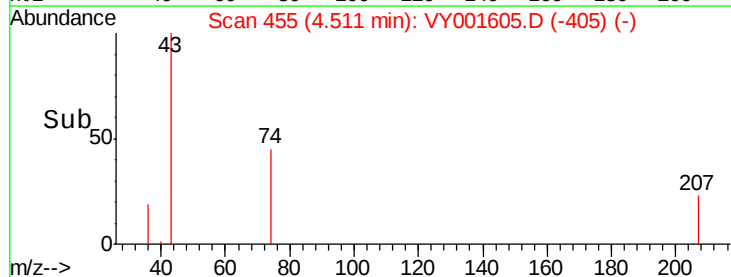
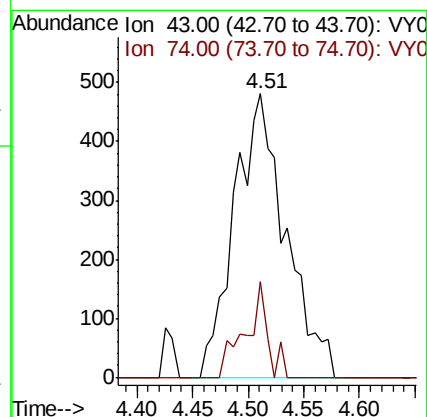
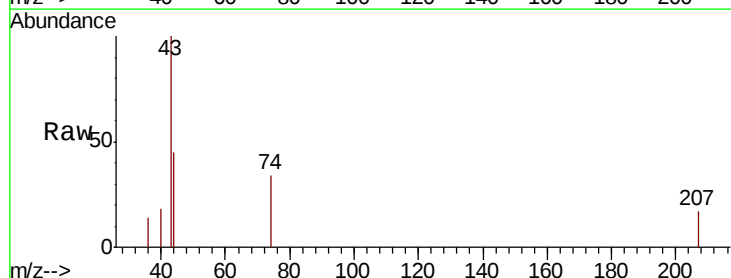
Acq: 11 Feb 2020 17:27

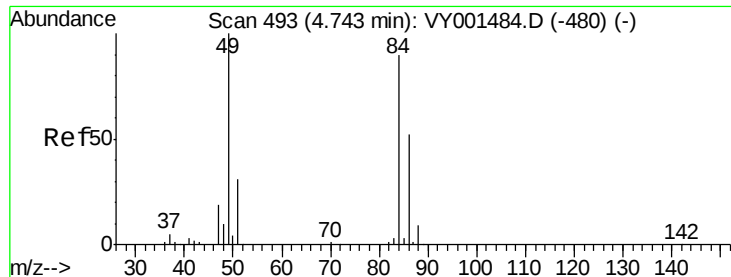
Tgt Ion: 43 Resp: 1541

Ion Ratio Lower Upper

43 100

74 14.7 21.0 31.6#

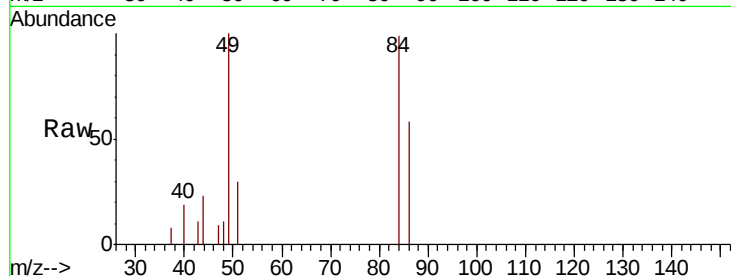




#20
Methylene Chloride
Concen: Below Cal
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY001605.D
Acq: 11 Feb 2020 17:27

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:	84	Resp:	2208
Ion	Ratio	Lower	Upper
84	100		
49	101.1	89.0	133.6
51	30.6	27.4	41.2
86	58.6	46.6	70.0



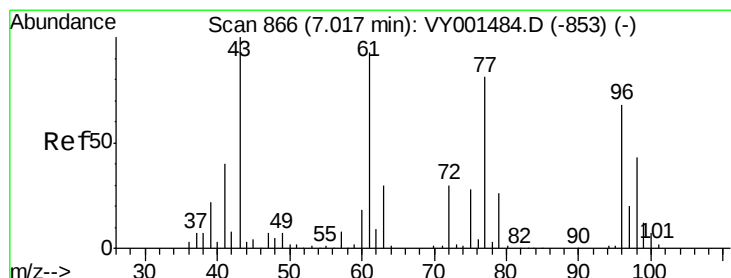
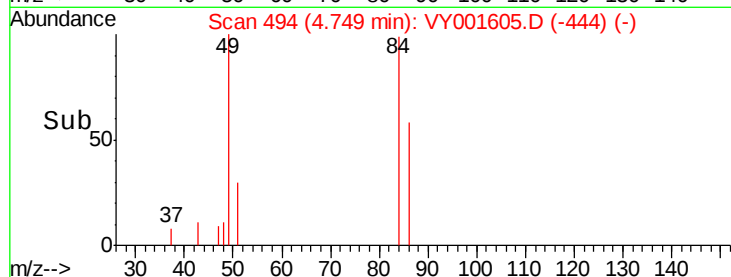
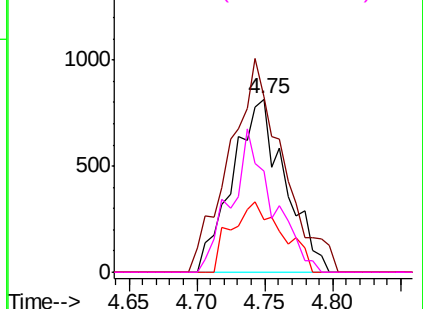
Abundance

Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

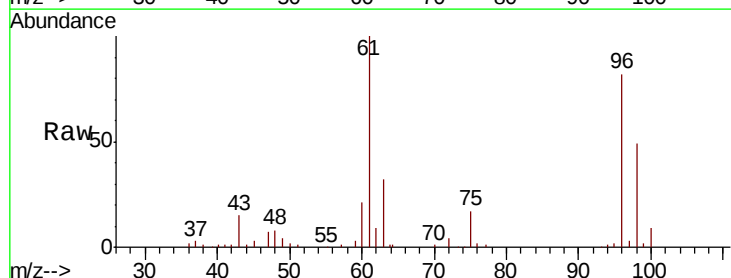
Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#25
2-Butanone
Concen: 11.726 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001605.D
Acq: 11 Feb 2020 17:27

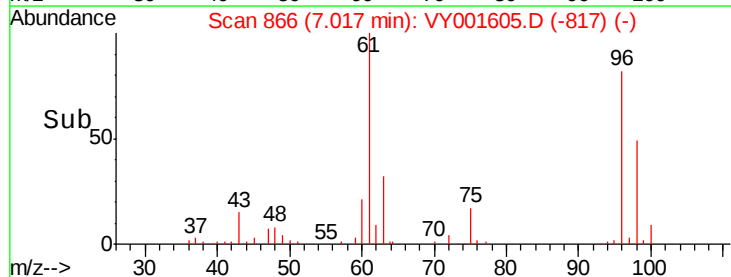
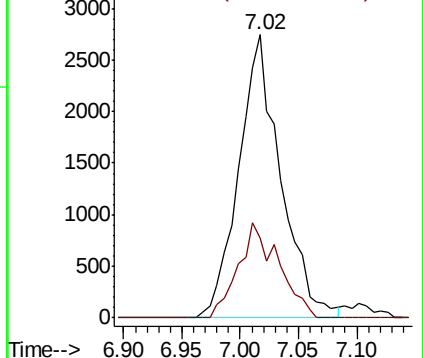
Tgt Ion:	43	Resp:	6867
Ion	Ratio	Lower	Upper
43	100		
72	28.3	23.8	35.8

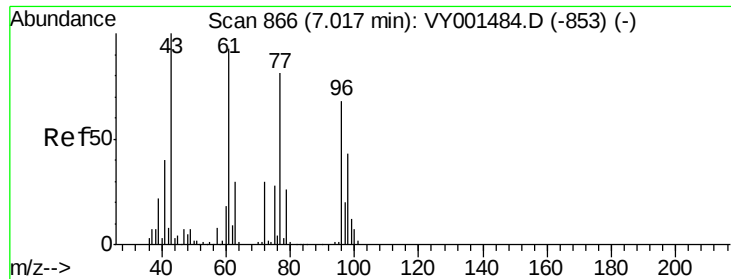


Abundance

Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



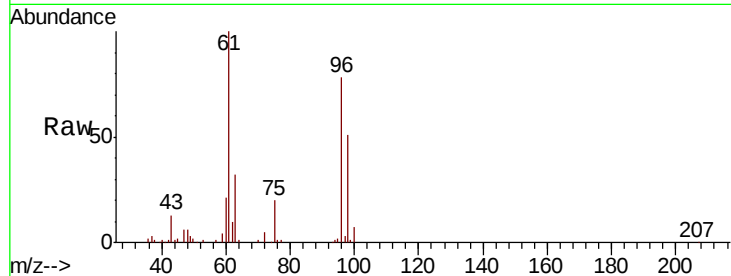


#27

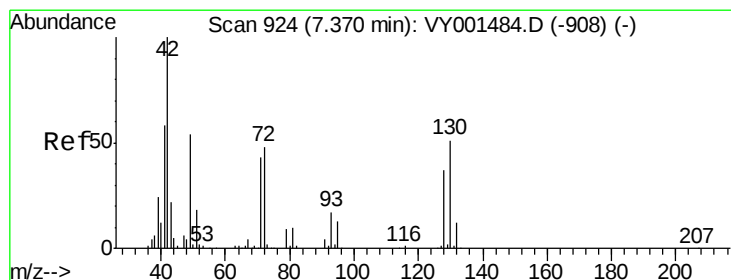
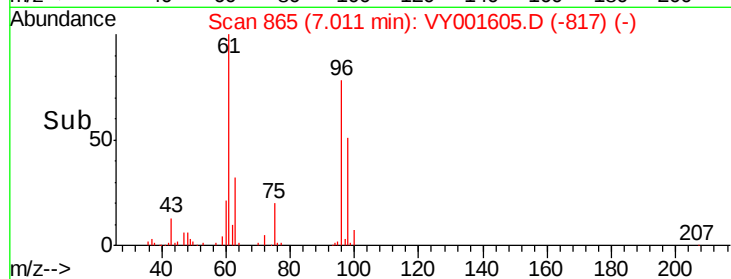
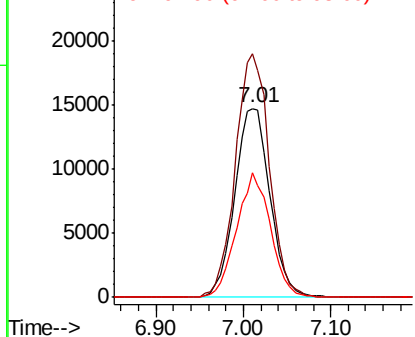
cis-1,2-Dichloroethene
Concen: 20.753 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001605.D
Acq: 11 Feb 2020 17:27

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 96 Resp: 41062
Ion Ratio Lower Upper
96 100
61 124.7 0.0 278.8
98 63.4 0.0 128.8



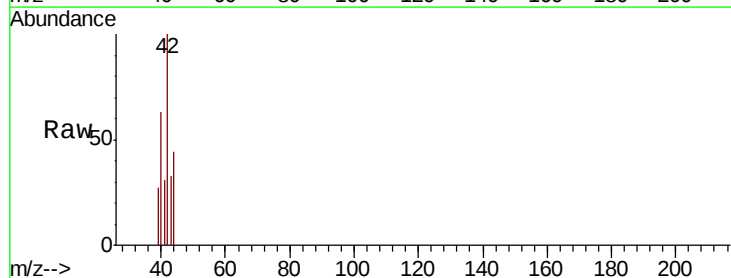
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



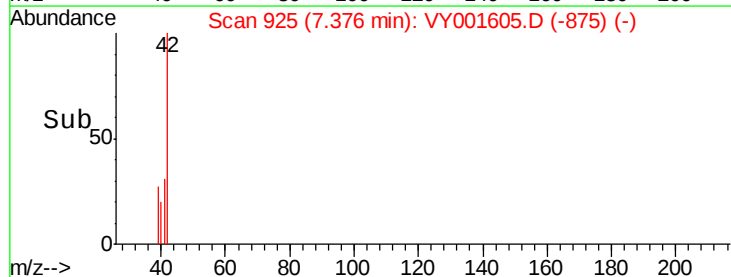
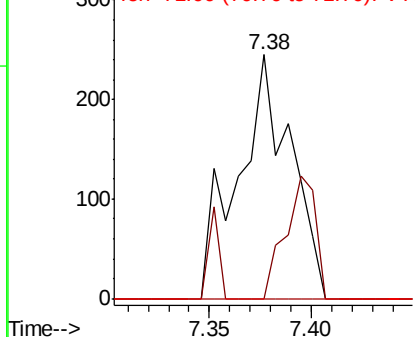
#29

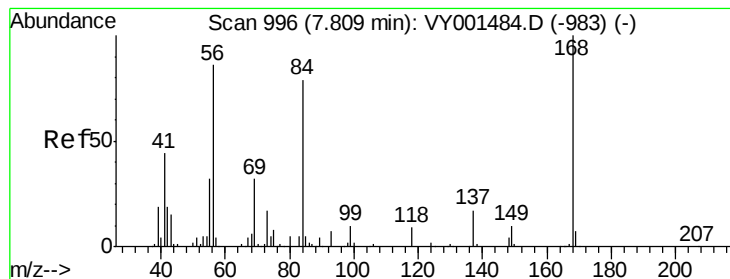
Tetrahydrofuran
Concen: 1.268 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY001605.D
Acq: 11 Feb 2020 17:27

Tgt Ion: 42 Resp: 445
Ion Ratio Lower Upper
42 100
72 28.8 37.8 56.6#
71 0.0 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: 1.354 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001605.D

Acq: 11 Feb 2020 17:27

Instrument :

MSVOA_Y

ClientSampled :

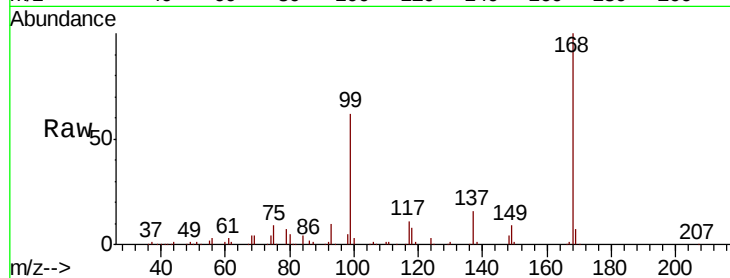
Tot Ion: 56 Resp: 4114

Ion Ratio Lower Upper

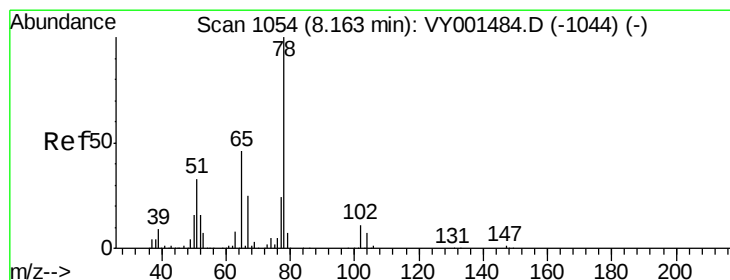
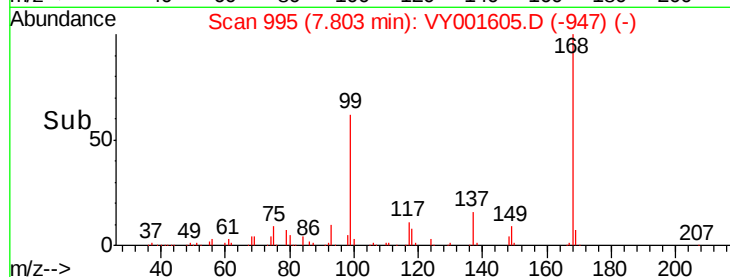
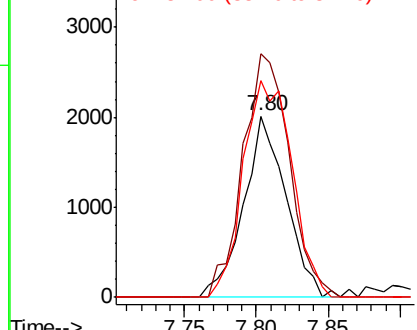
56 100

69 134.3 29.6 44.4#

84 119.4 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: 60.935 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY001605.D

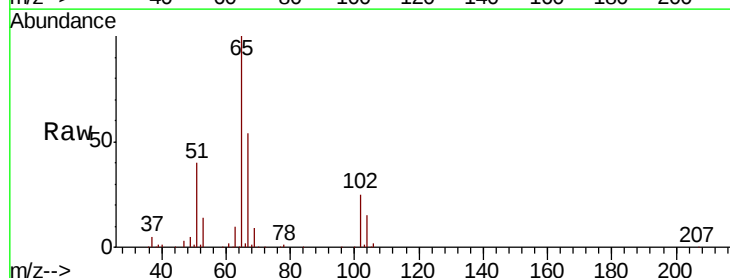
Acq: 11 Feb 2020 17:27

Tgt Ion: 65 Resp: 95092

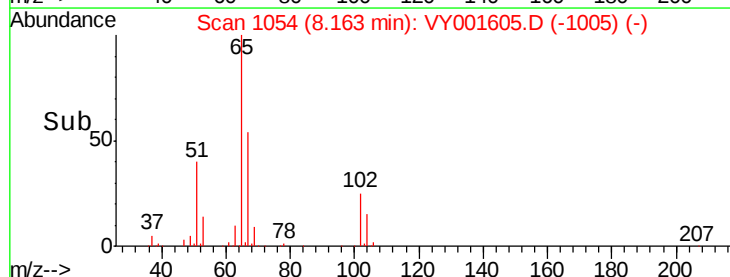
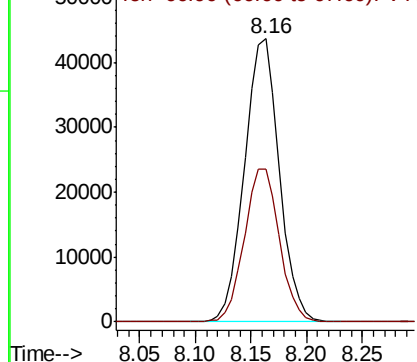
Ion Ratio Lower Upper

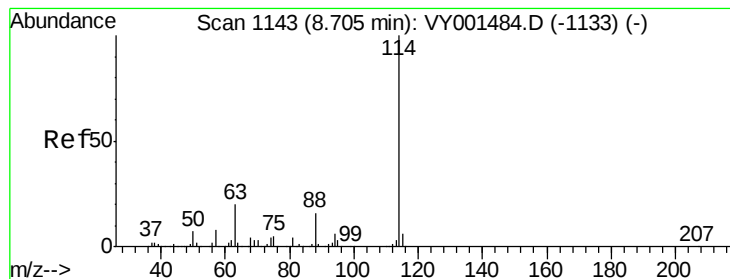
65 100

67 54.5 0.0 108.6



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VY001605.D

Acq: 11 Feb 2020 17:27

Instrument :
MSVOA_Y
ClientSampleId :

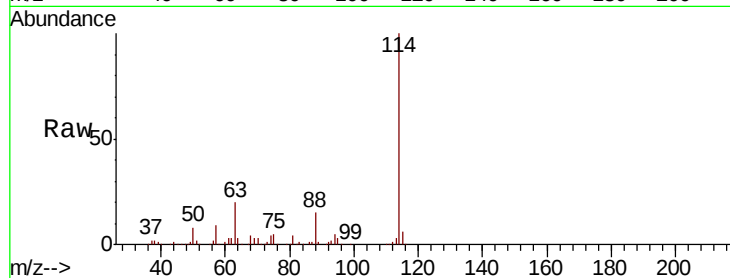
Tot Ion:114 Resp: 280004

Ion Ratio Lower Upper

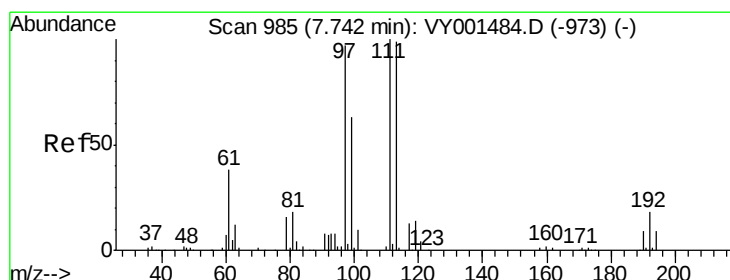
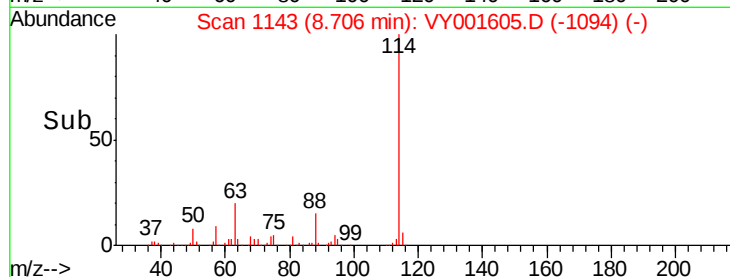
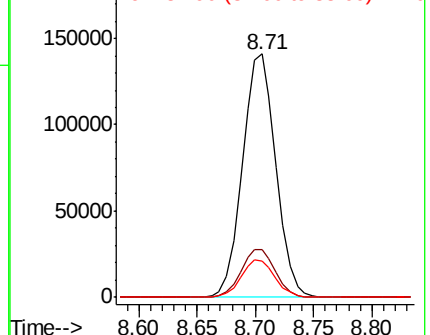
114 100

63 19.7 0.0 39.8

88 14.9 0.0 32.6



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: 50.948 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.00 min

Lab File: VY001605.D

Acq: 11 Feb 2020 17:27

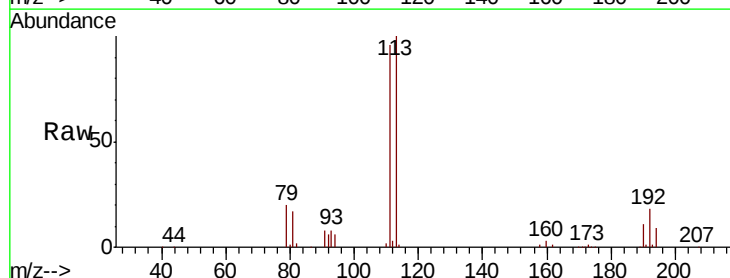
Tgt Ion:113 Resp: 82262

Ion Ratio Lower Upper

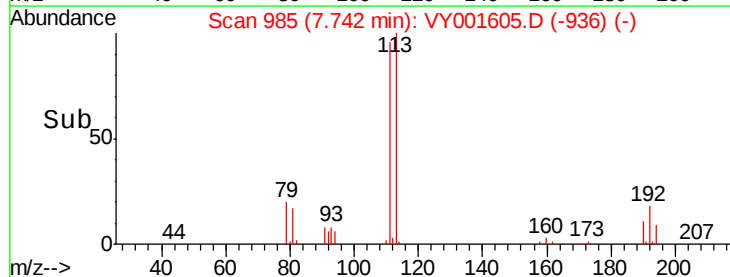
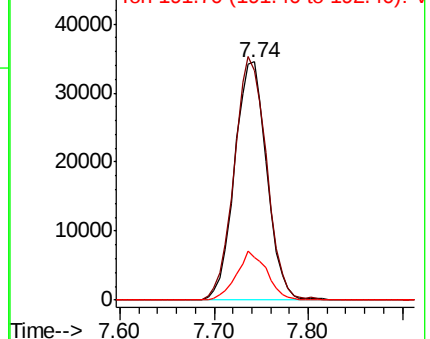
113 100

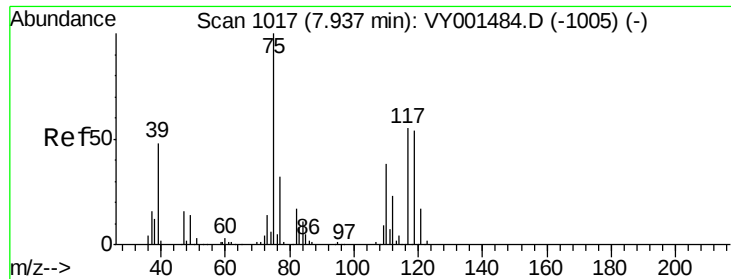
111 102.5 82.9 124.3

192 19.3 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

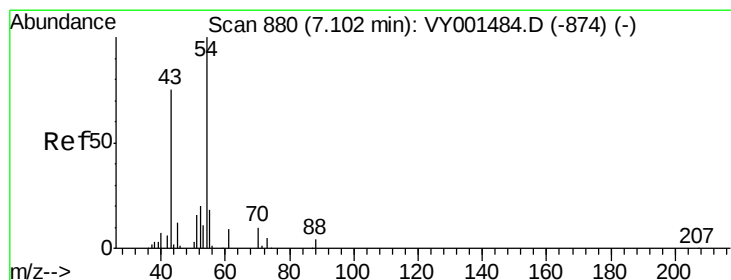
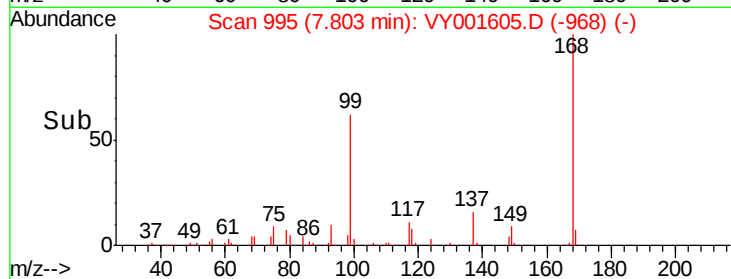
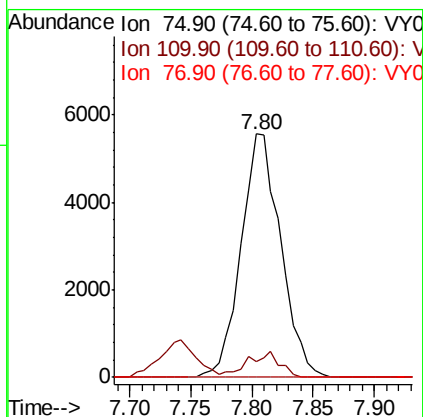
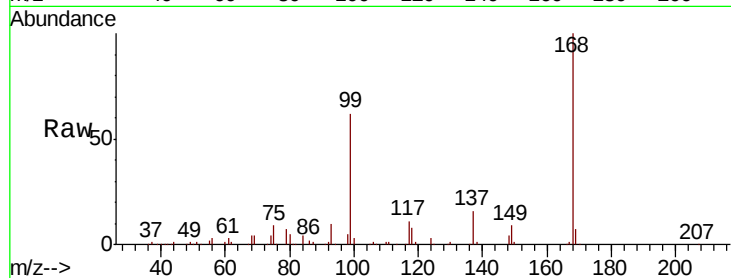




#36
 1,1-Dichloropropene
 Concen: 4.885 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY001605.D
 Acq: 11 Feb 2020 17:27

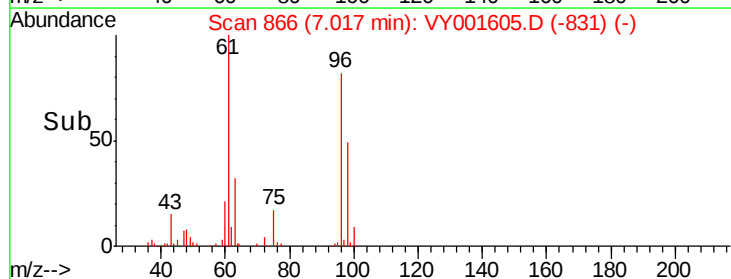
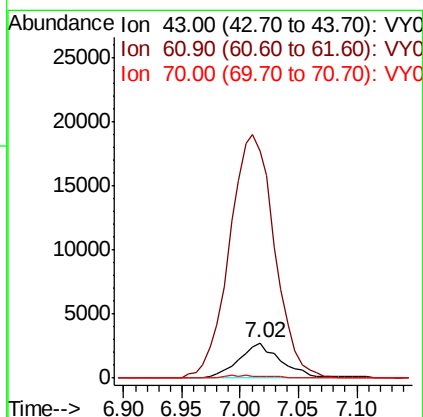
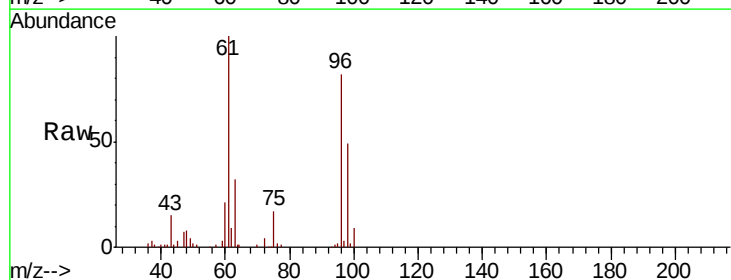
Instrument :
 MSVOA_Y
 ClientSampled :

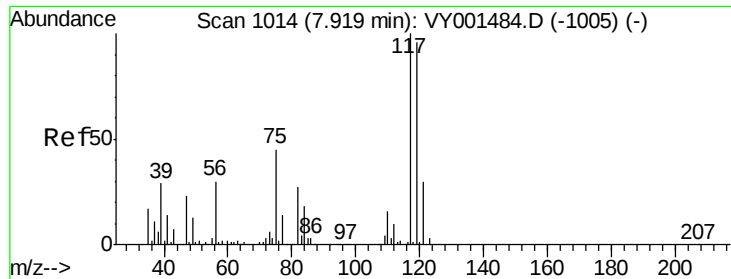
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.2	54.6#
77	0.0	25.0	37.4#



#37
 Ethyl Acetate
 Concen: 5.538 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. -0.09 min
 Lab File: VY001605.D
 Acq: 11 Feb 2020 17:27

Tgt Ion	Ratio	Lower	Upper
43	100		
61	745.7	12.0	18.0#
70	0.0	10.2	15.4#





#38

Carbon Tetrachloride

Concen: 6.214 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.11 min

Lab File: VY001605.D

Acq: 11 Feb 2020 17:27

Instrument :

MSVOA_Y

ClientSampleId :

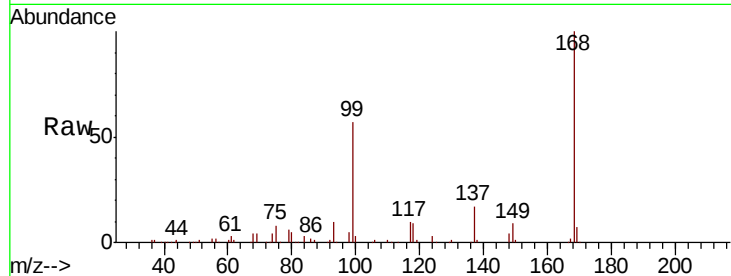
Tot Ion:117 Resp: 15401

Ion Ratio Lower Upper

117 100

119 6.3 76.4 114.6#

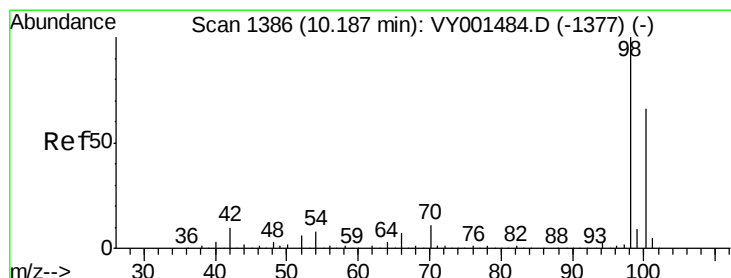
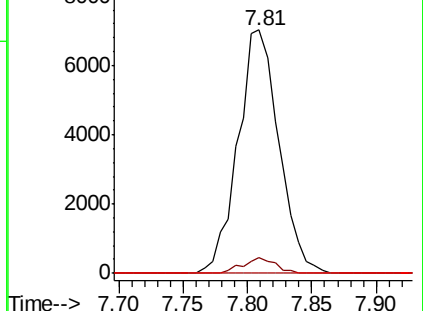
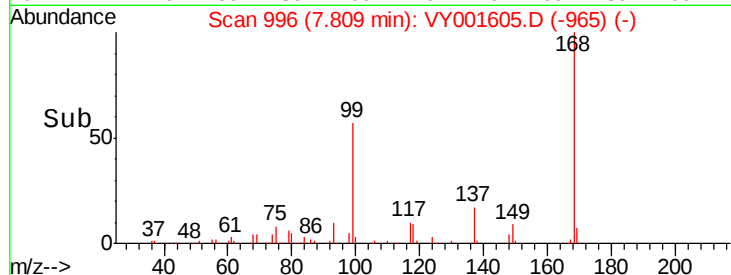
121 0.0 24.2 36.4#



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: 54.820 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY001605.D

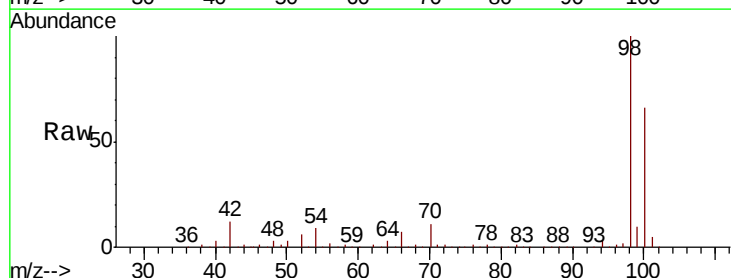
Acq: 11 Feb 2020 17:27

Tgt Ion: 98 Resp: 334890

Ion Ratio Lower Upper

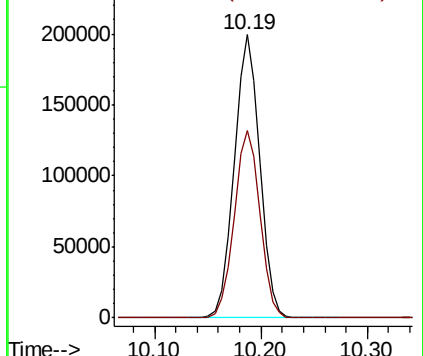
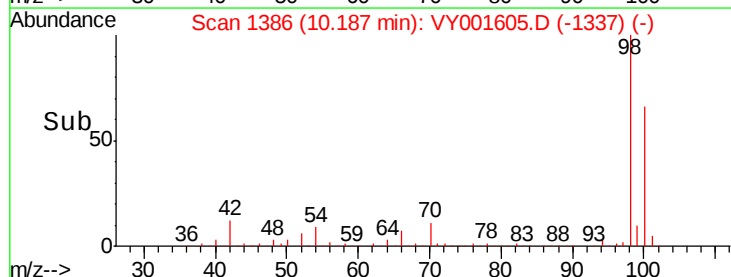
98 100

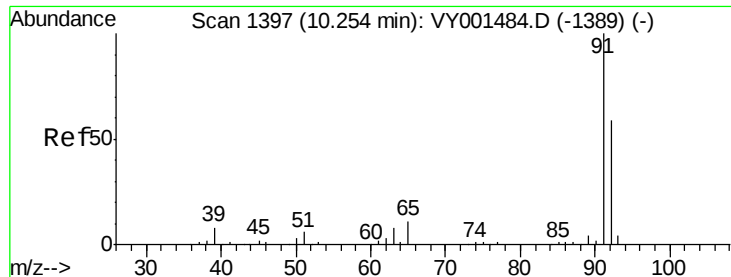
100 66.6 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#52

Toluene

Concen: 1.924 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY001605.D

Acq: 11 Feb 2020 17:27

Instrument :

MSVOA_Y

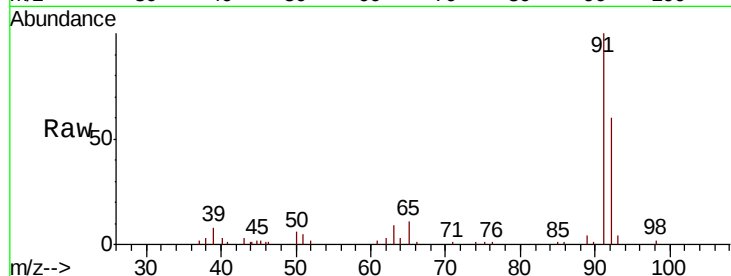
ClientSampleId :

Tot Ion: 92 Resp: 8920

Ion Ratio Lower Upper

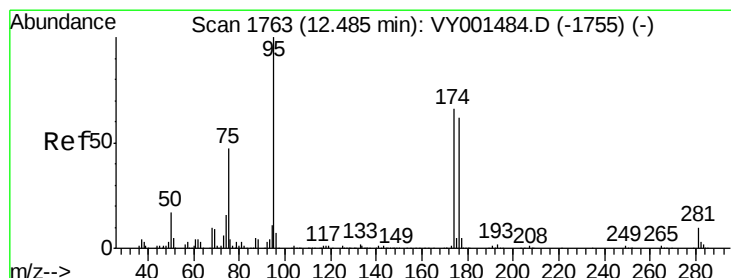
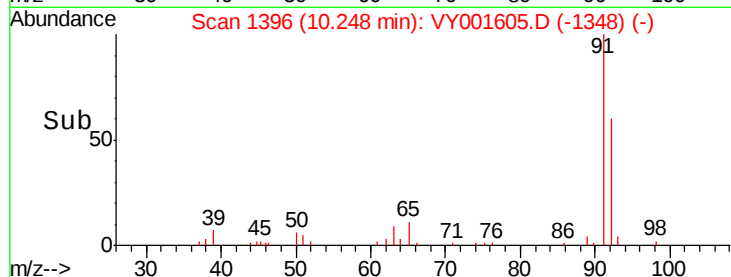
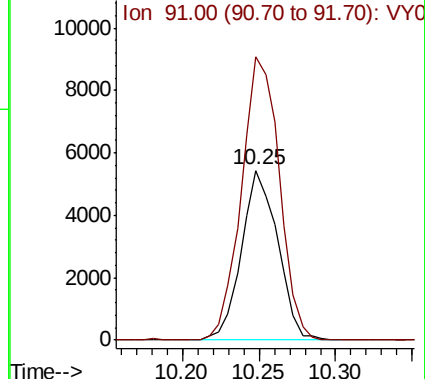
92 100

91 175.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY001605.D (-1348) (-)

Ion 91.00 (90.70 to 91.70): VY001605.D (-1348) (-)



#62

4-Bromofluorobenzene

Concen: 47.491 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY001605.D

Acq: 11 Feb 2020 17:27

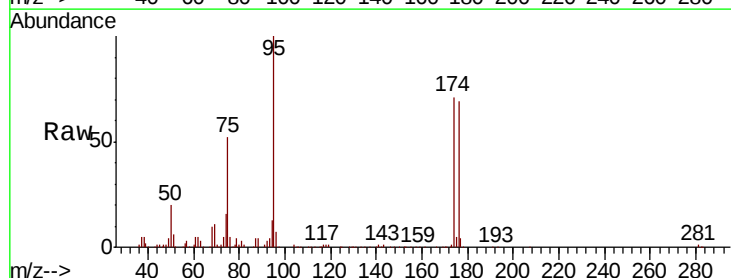
Tgt Ion: 95 Resp: 114289

Ion Ratio Lower Upper

95 100

174 75.9 0.0 141.4

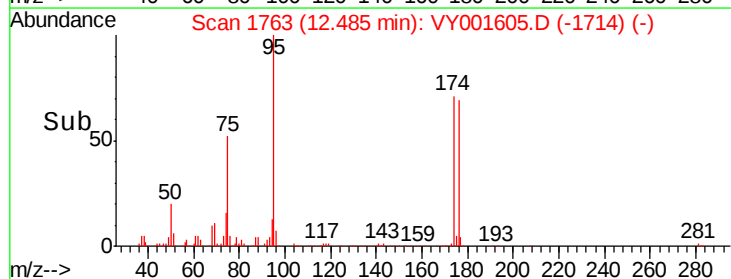
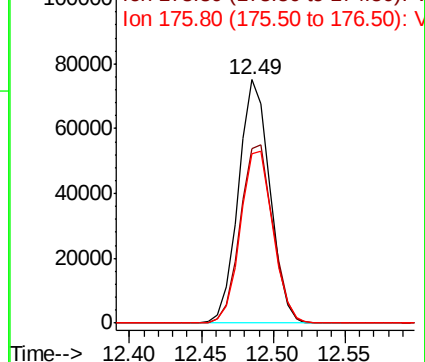
176 72.6 0.0 135.4

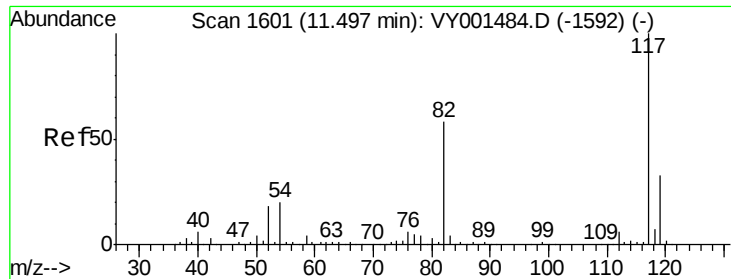


Abundance Ion 94.90 (94.60 to 95.60): VY001605.D (-1714) (-)

Ion 173.80 (173.50 to 174.50): VY001605.D (-1714) (-)

Ion 175.80 (175.50 to 176.50): VY001605.D (-1714) (-)

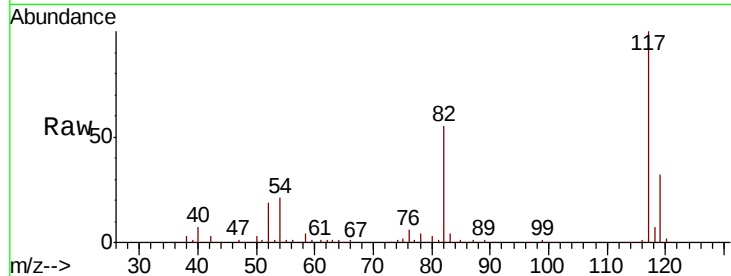




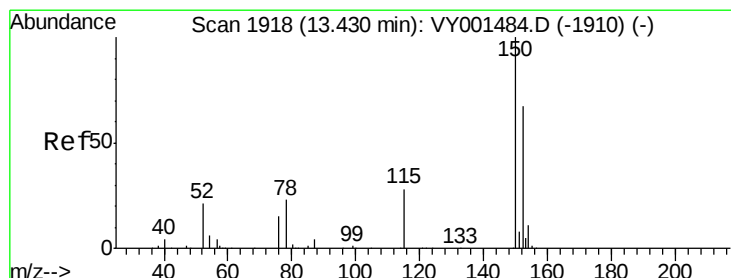
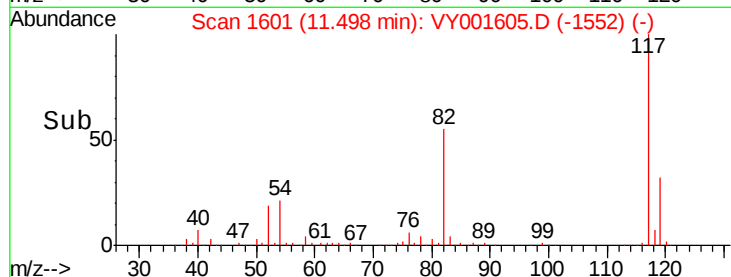
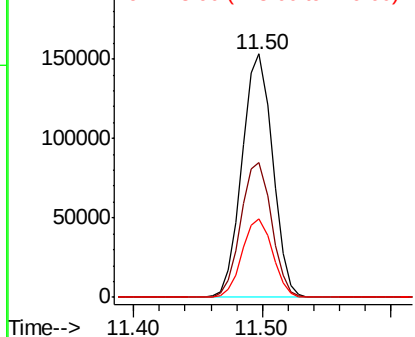
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001605.D
Acq: 11 Feb 2020 17:27

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 251495
Ion Ratio Lower Upper
117 100
82 55.1 46.1 69.1
119 32.1 26.1 39.1

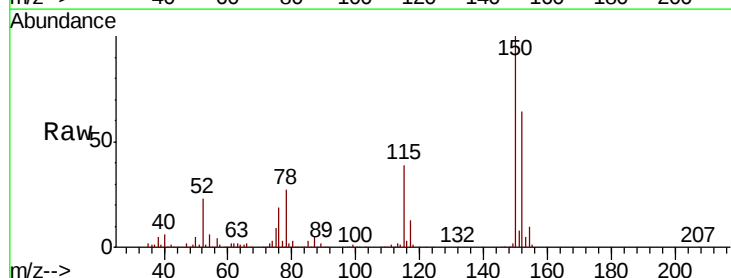


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

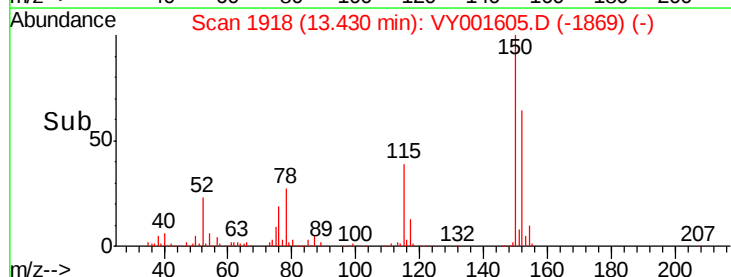
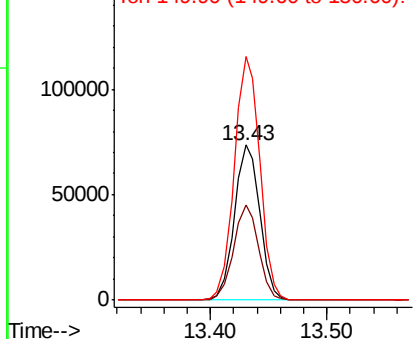


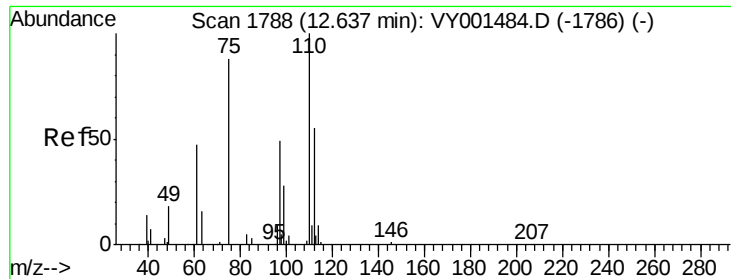
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY001605.D
Acq: 11 Feb 2020 17:27

Tgt Ion:152 Resp: 111415
Ion Ratio Lower Upper
152 100
115 60.6 31.4 94.3
150 157.8 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: 48.150 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY001605.D

Acq: 11 Feb 2020 17:27

Instrument :

MSVOA_Y

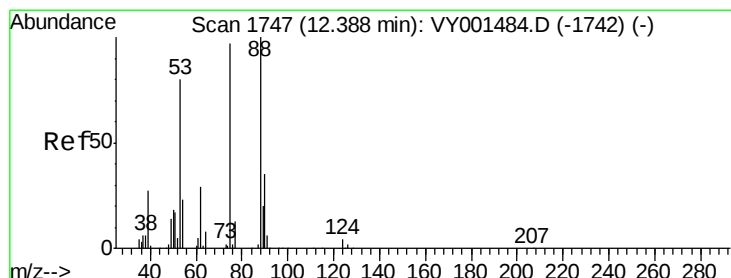
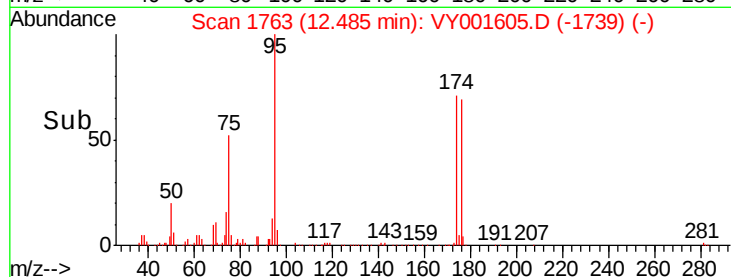
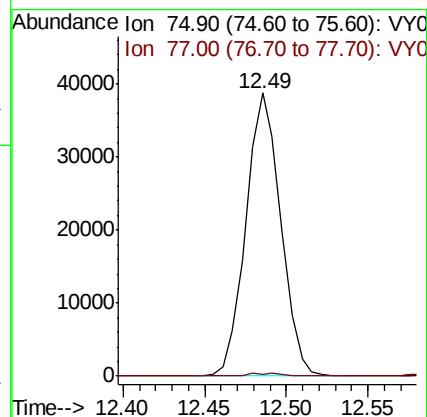
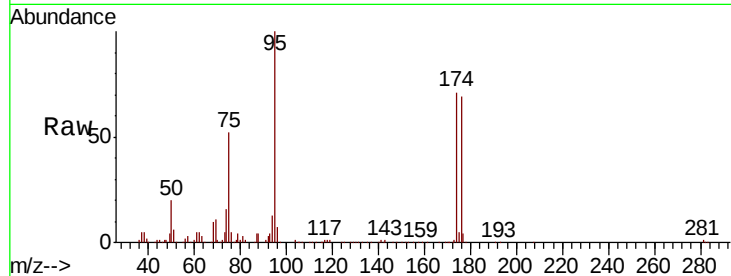
ClientSampleId :

Tot Ion: 75 Resp: 57691

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 93.167 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001605.D

Acq: 11 Feb 2020 17:27

Tgt Ion: 75 Resp: 57691

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 34.6 52.0#

