

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111519\
 Data File : VY000705.D
 Acq On : 15 Nov 2019 16:42
 Operator : SY/MD
 Sample : K5861-16
 Misc : 5.45G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 16 02:32:39 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	174216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	326027	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	300811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	143753	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	115980	64.33	ug/l	0.00
Spiked Amount			Recovery	=	128.66%	
35) Dibromofluoromethane	7.73	113	99932	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
50) Toluene-d8	10.18	98	386670	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	
62) 4-Bromofluorobenzene	12.48	95	137655	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	

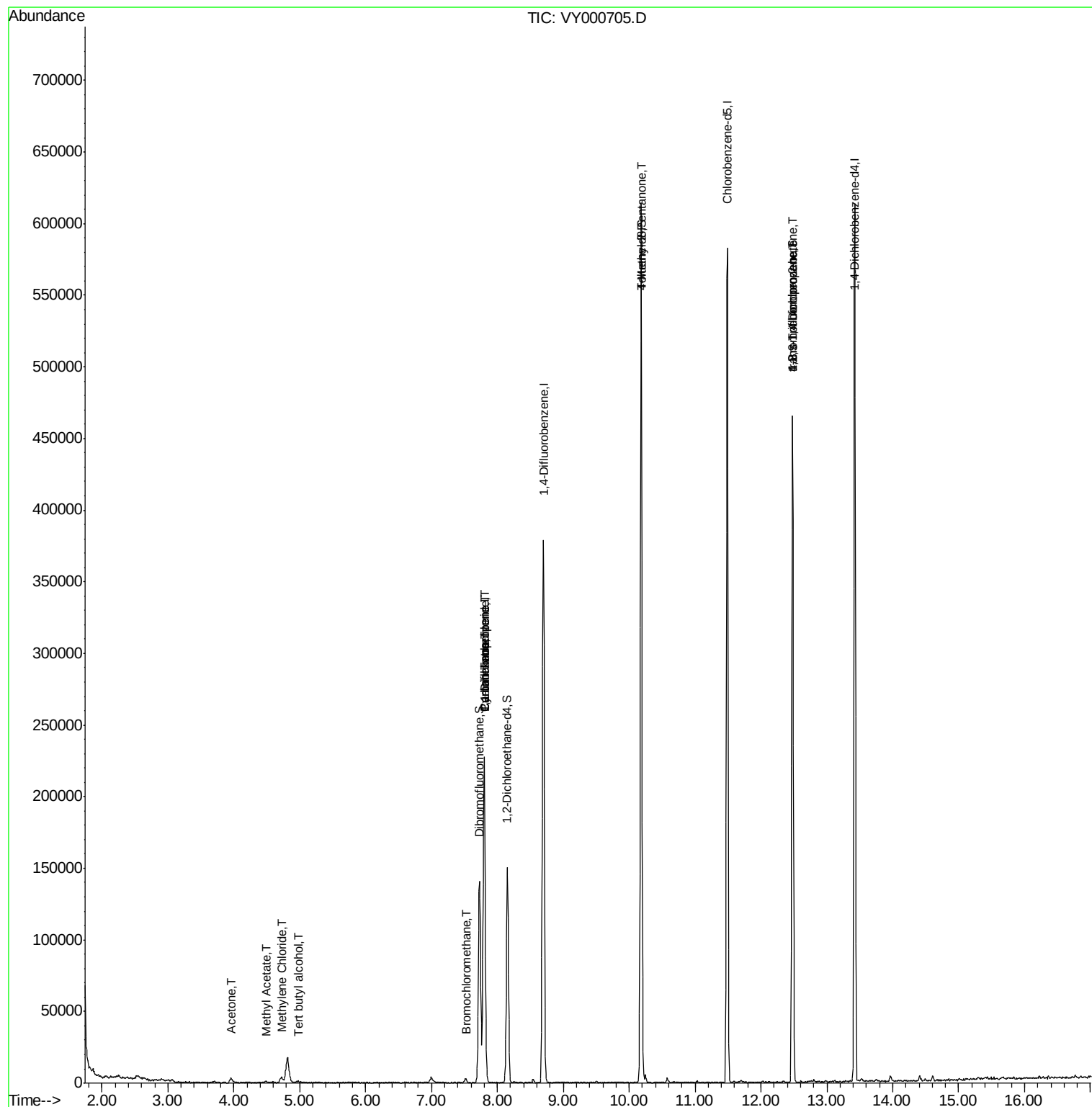
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	1681	9.578	ug/l #	79
16) Acetone	3.96	43	5525	11.119	ug/l #	76
18) Methyl Acetate	4.50	43	1749	1.132	ug/l #	90
20) Methylene Chloride	4.72	84	2851	1.339	ug/l #	74
28) Bromochloromethane	7.52	49	192	4.209	ug/l #	14
31) Cyclohexane	7.80	56	4021	1.152	ug/l #	23
36) 1,1-Dichloropropene	7.80	75	14498	4.704	ug/l #	50
38) Carbon Tetrachloride	7.80	117	17261	5.820	ug/l #	15
51) 4-Methyl-2-Pentanone	10.19	43	1954	1.069	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	75451	46.096	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	75451	103.353	ug/l #	13

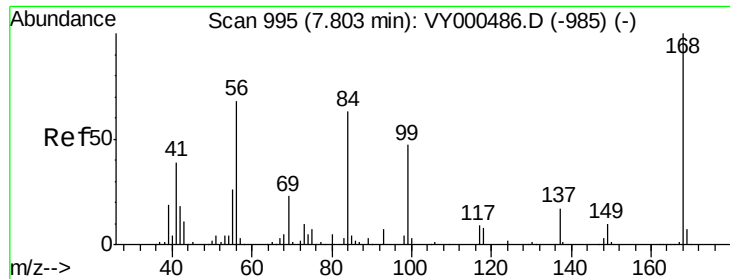
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY111519\
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Quant Method : Z:\V0ASRV\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: VY000705.D

Acq: 15 Nov 2019 16:42

Instrument :

MSVOA_Y

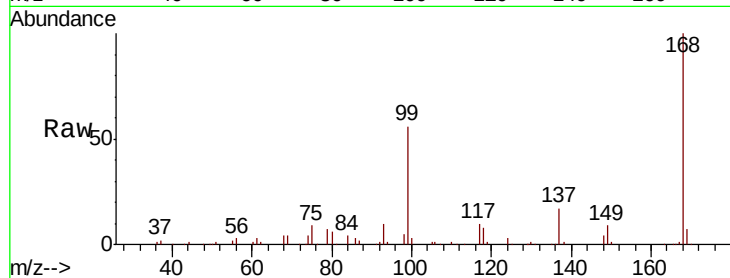
ClientSampled :

Tot Ion:168 Resp: 174216

Ion Ratio Lower Upper

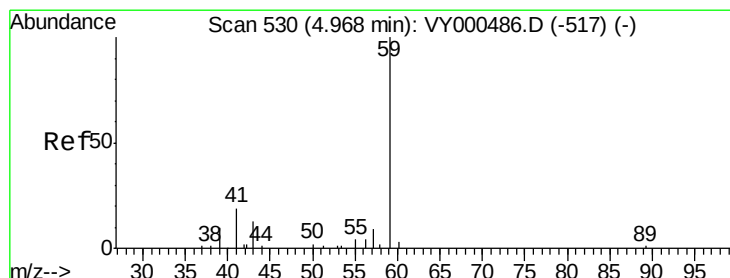
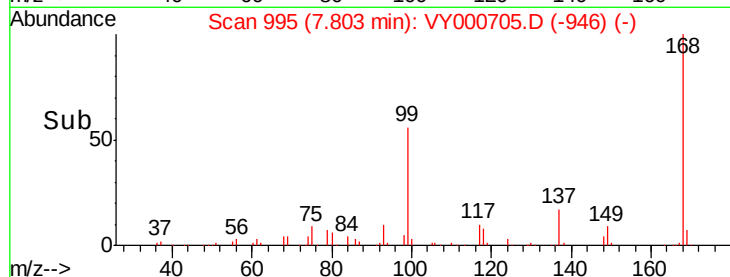
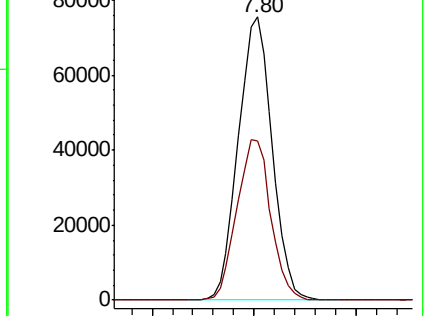
168 100

99 56.3 45.7 68.5



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

Ion 98.90 (98.60 to 99.60): VY000705.D (-946) (-)



#11

Tert butyl alcohol

Concen: 9.578 ug/l

RT: 4.98 min Scan# 532

Delta R.T. 0.01 min

Lab File: VY000705.D

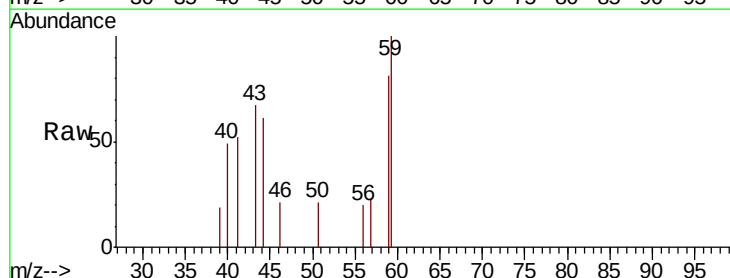
Acq: 15 Nov 2019 16:42

Tgt Ion: 59 Resp: 1681

Ion Ratio Lower Upper

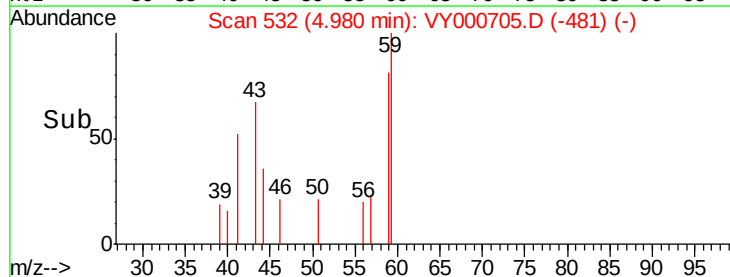
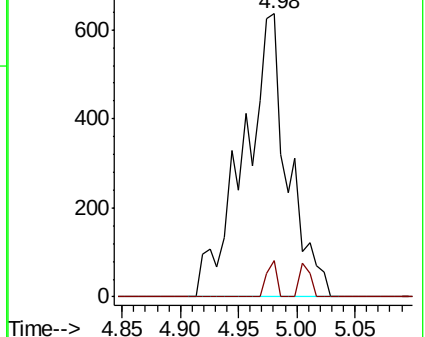
59 100

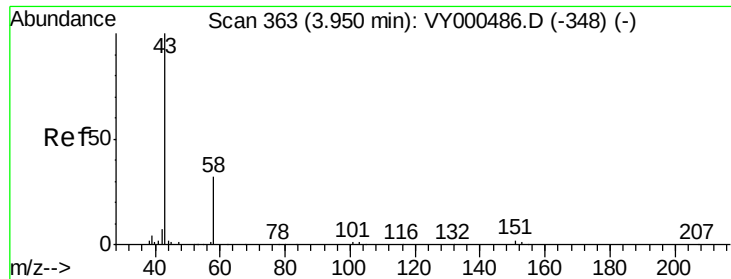
57 3.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VY000486.D (-517) (-)

Ion 57.00 (56.70 to 57.70): VY000705.D (-481) (-)





#16

Acetone

Concen: 11.119 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000705.D

Acq: 15 Nov 2019 16:42

Instrument :

MSVOA_Y

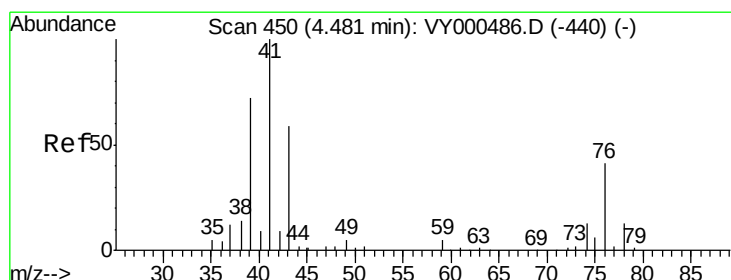
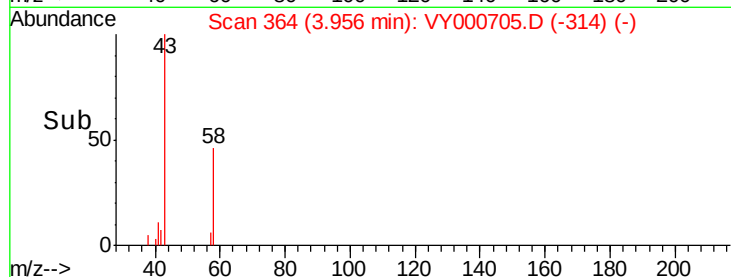
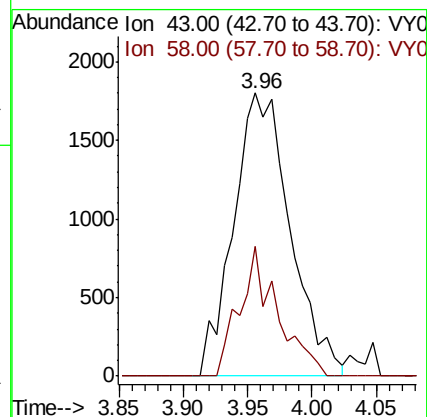
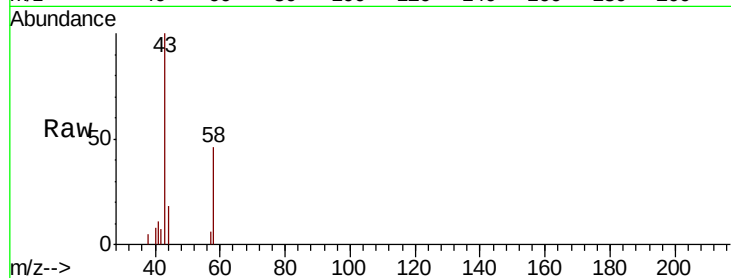
ClientSampled :

Tot Ion: 43 Resp: 5525

Ion Ratio Lower Upper

43 100

58 45.8 25.8 38.6#



#18

Methyl Acetate

Concen: 1.132 ug/l

RT: 4.50 min Scan# 453

Delta R.T. 0.02 min

Lab File: VY000705.D

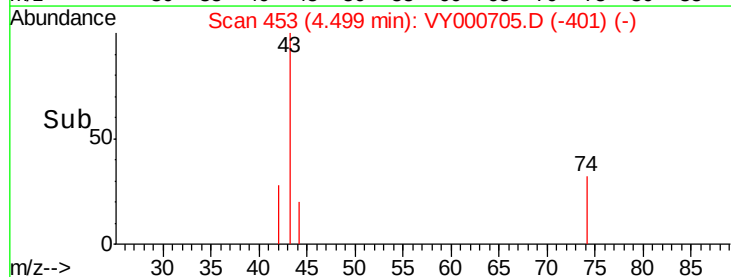
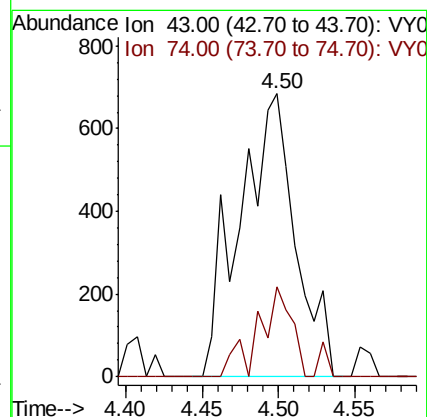
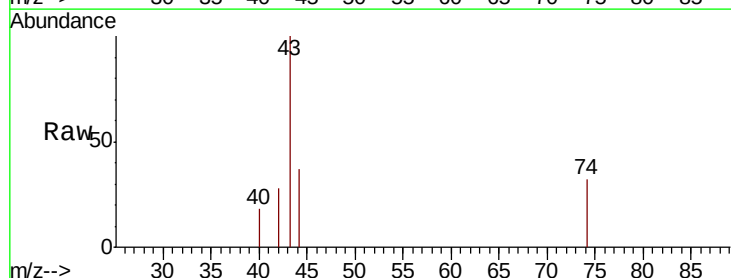
Acq: 15 Nov 2019 16:42

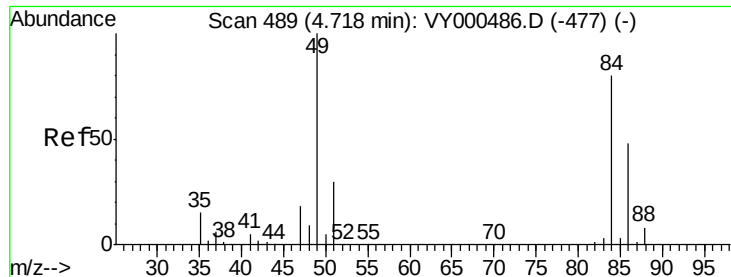
Tgt Ion: 43 Resp: 1749

Ion Ratio Lower Upper

43 100

74 18.9 19.2 28.8#

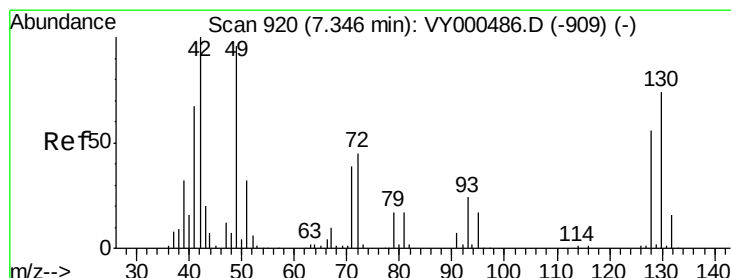
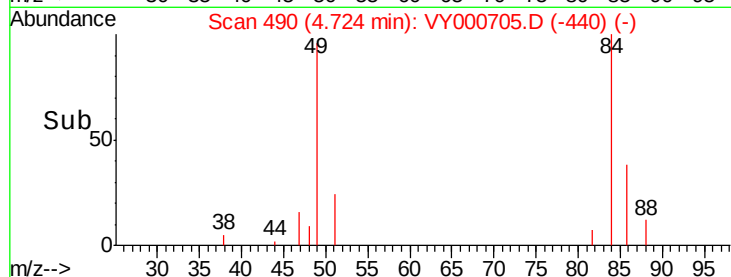
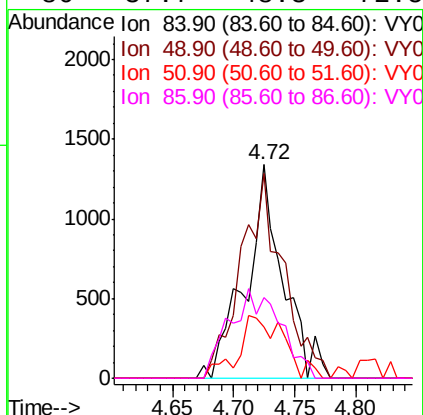
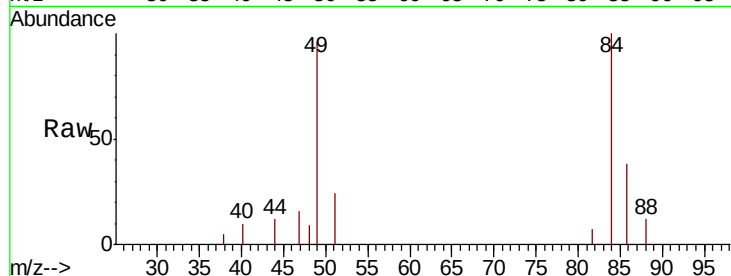




#20
Methvlene Chloride
Concen: 1.339 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000705.D
Acq: 15 Nov 2019 16:42

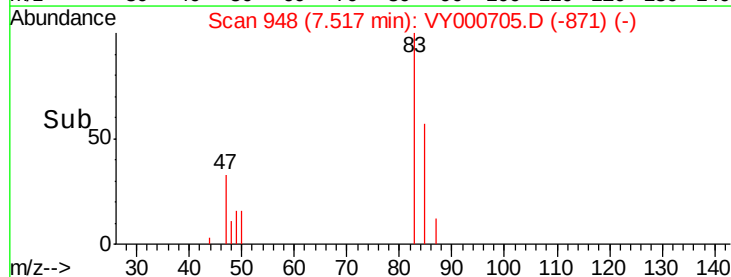
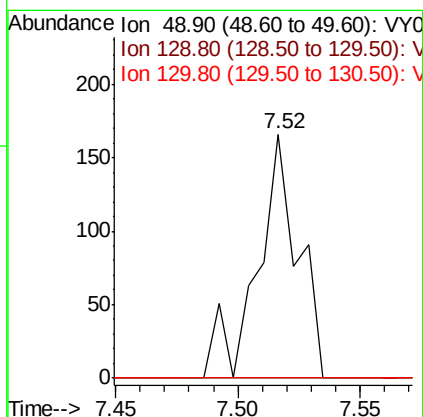
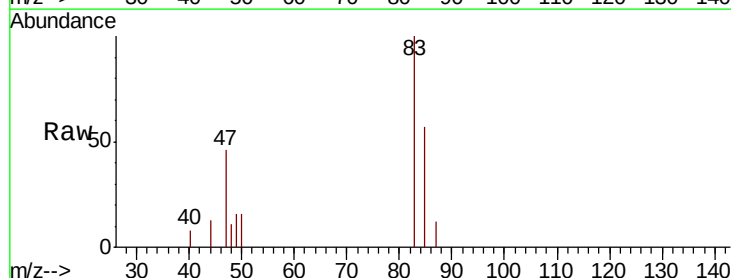
Instrument :
MSVOA_Y
ClientSampleId :

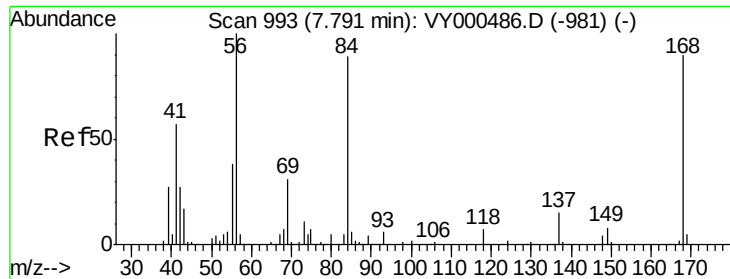
Tot Ion: 84 Resp: 2851
Ion Ratio Lower Upper
84 100
49 95.9 100.2 150.4#
51 24.0 29.6 44.4#
86 37.7 48.3 72.5#



#28
Bromochloromethane
Concen: 4.209 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.17 min
Lab File: VY000705.D
Acq: 15 Nov 2019 16:42

Tgt Ion: 49 Resp: 192
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#

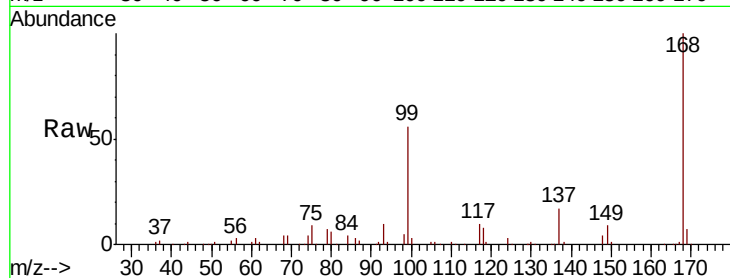




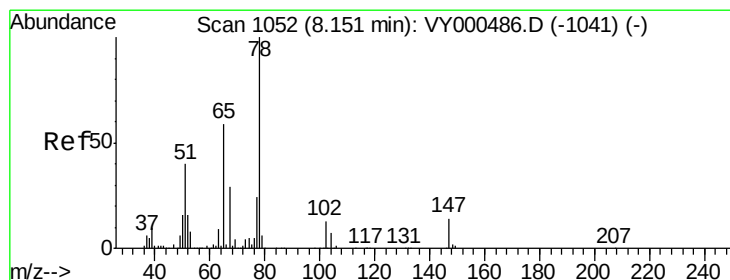
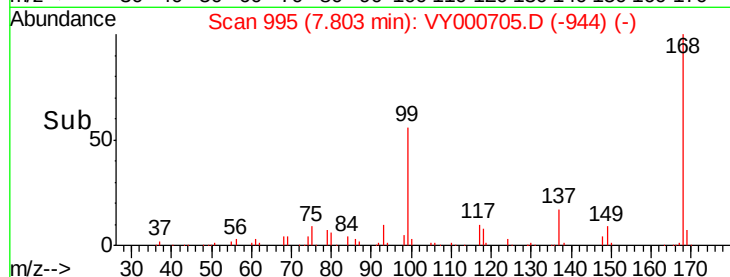
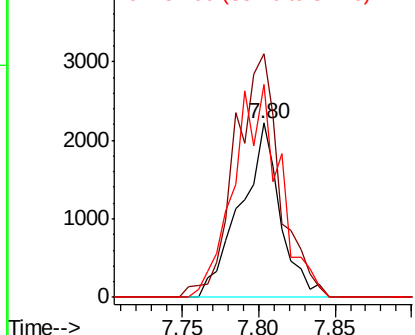
#31
Cyclohexane
Concen: 1.152 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000705.D
Acq: 15 Nov 2019 16:42

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 4021
Ion Ratio Lower Upper
56 100
69 139.9 25.0 37.6#
84 122.2 71.4 107.2#

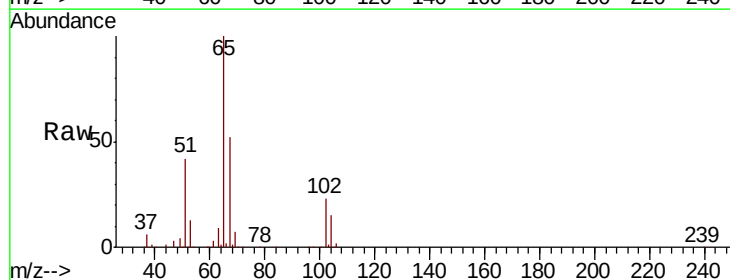


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

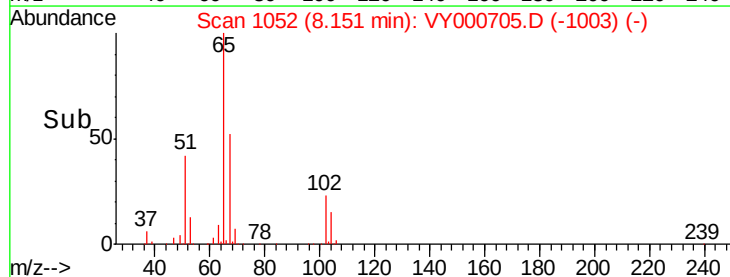
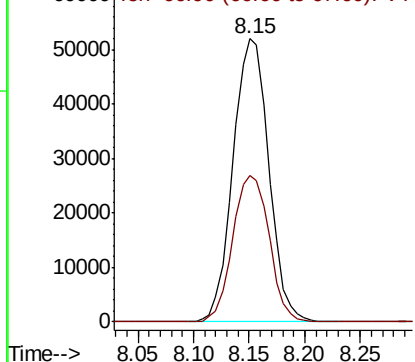


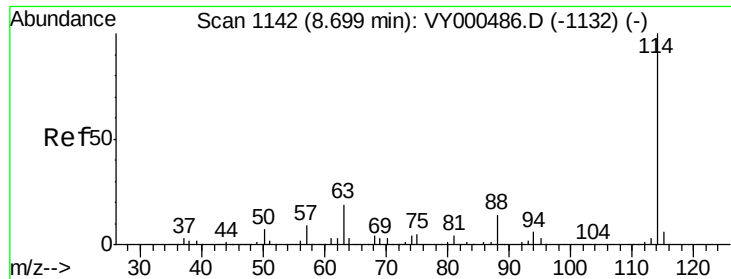
#33
1,2-Dichloroethane-d4
Concen: 64.329 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY000705.D
Acq: 15 Nov 2019 16:42

Tgt Ion: 65 Resp: 115980
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.2



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

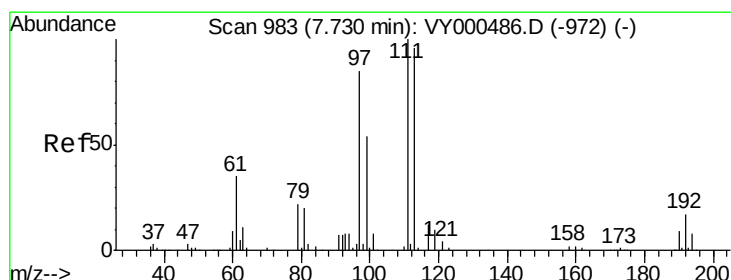
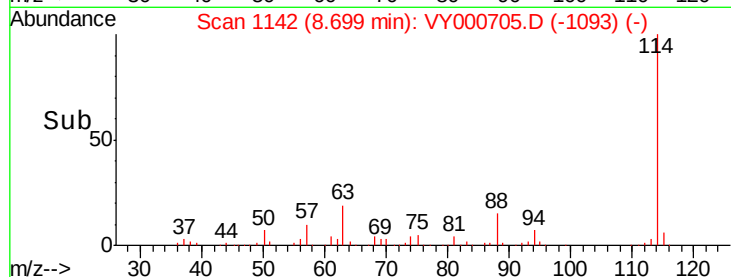
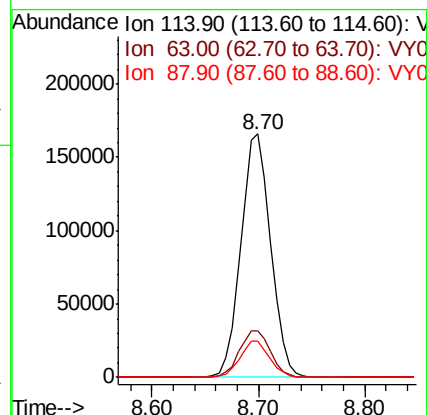
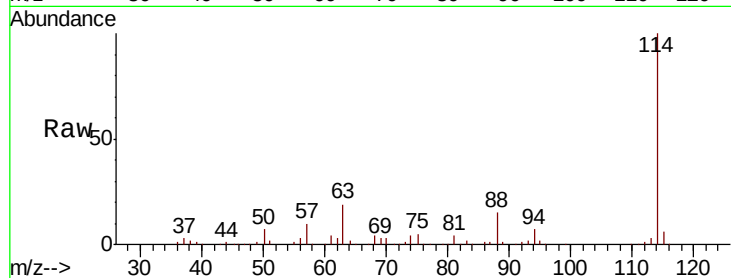




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000705.D
 Acq: 15 Nov 2019 16:42

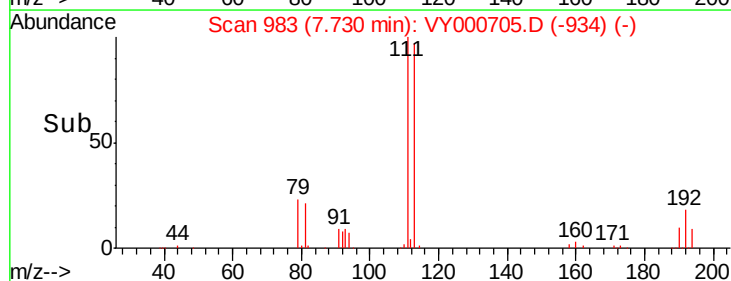
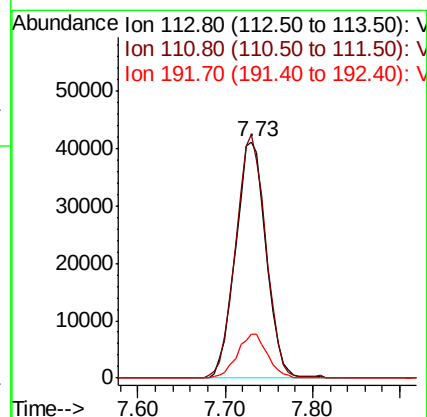
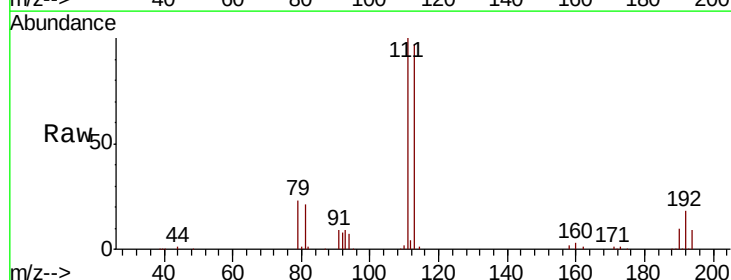
Instrument :
 MSVOA_Y
 ClientSampleId :

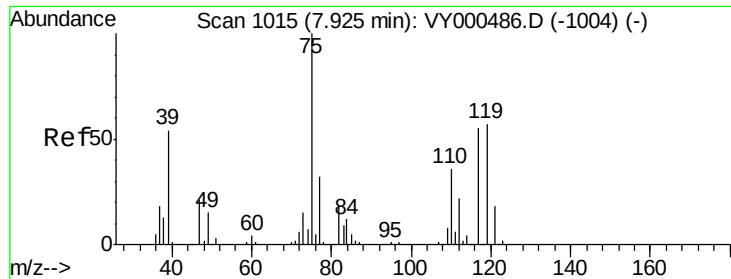
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	38.0
88	15.0	0.0	28.6



#35
 Dibromofluoromethane
 Concen: 52.211 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000705.D
 Acq: 15 Nov 2019 16:42

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.7	122.5
192	18.6	15.0	22.4





#36

1,1-Dichloropropene

Concen: 4.704 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000705.D

Acq: 15 Nov 2019 16:42

Instrument :

MSVOA_Y

ClientSampleId :

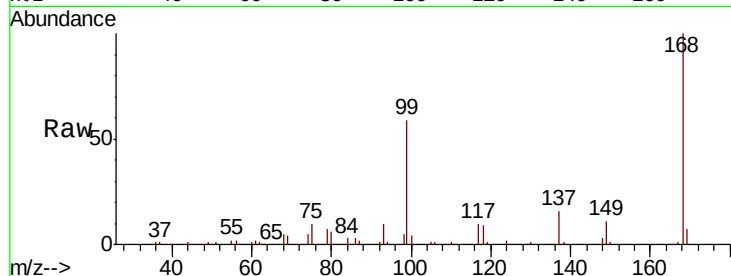
Tot Ion: 75 Resp: 14498

Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.1#

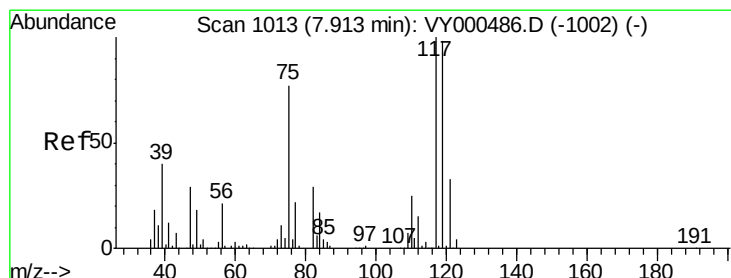
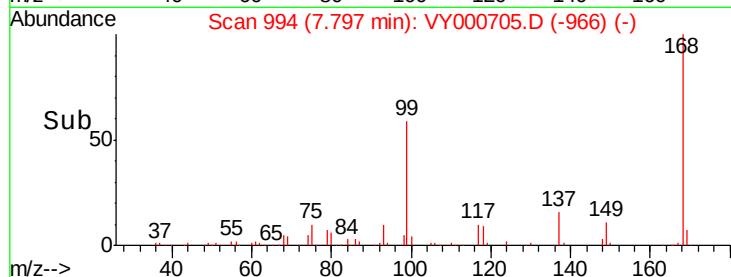
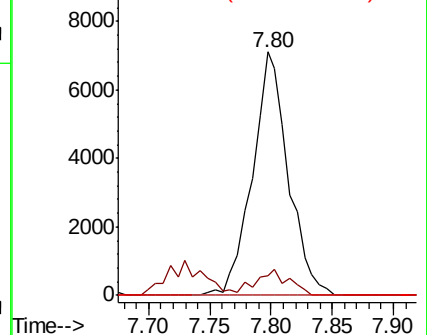
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VY000486.D (-1004) (-)

Ion 109.90 (109.60 to 110.60): VY000486.D (-1004) (-)

Ion 76.90 (76.60 to 77.60): VY000486.D (-1004) (-)



#38

Carbon Tetrachloride

Concen: 5.820 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000705.D

Acq: 15 Nov 2019 16:42

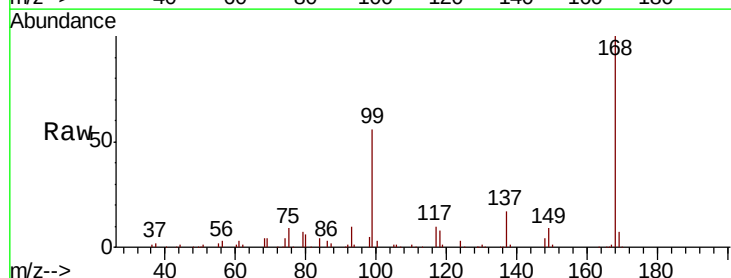
Tgt Ion: 117 Resp: 17261

Ion Ratio Lower Upper

117 100

119 4.9 78.0 117.0#

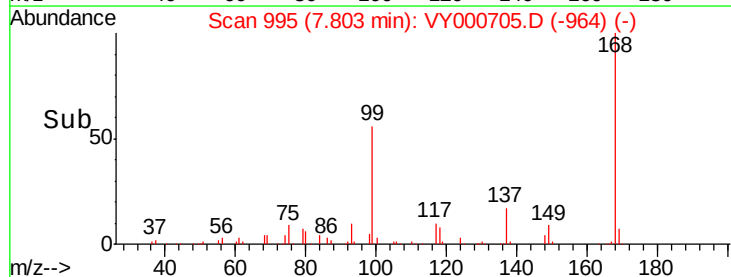
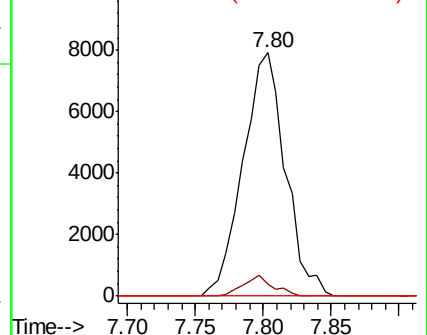
121 0.0 26.6 40.0#

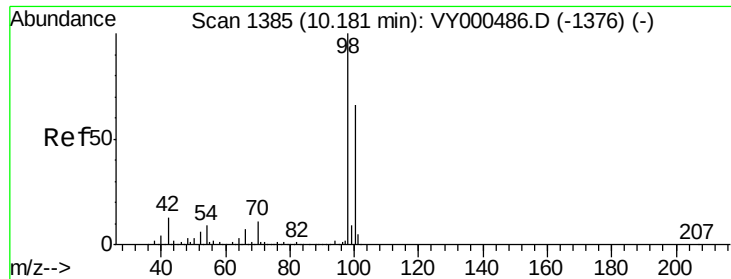


Abundance Ion 116.80 (116.50 to 117.50): VY000486.D (-1002) (-)

Ion 118.80 (118.50 to 119.50): VY000486.D (-1002) (-)

Ion 120.80 (120.50 to 121.50): VY000486.D (-1002) (-)





#50

Toluene-d8

Concen: 53.241 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000705.D

Acq: 15 Nov 2019 16:42

Instrument :

MSVOA_Y

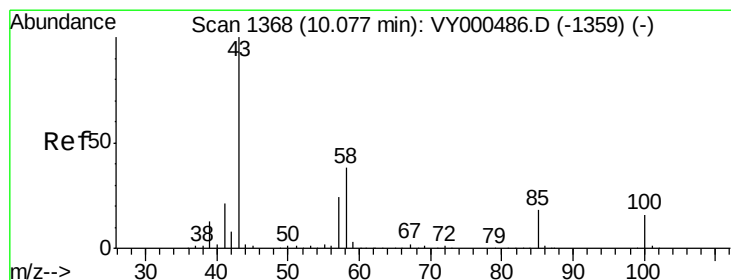
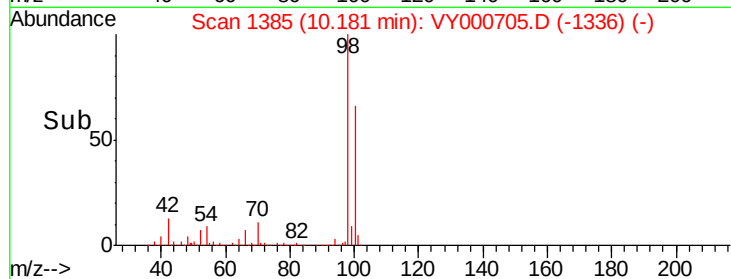
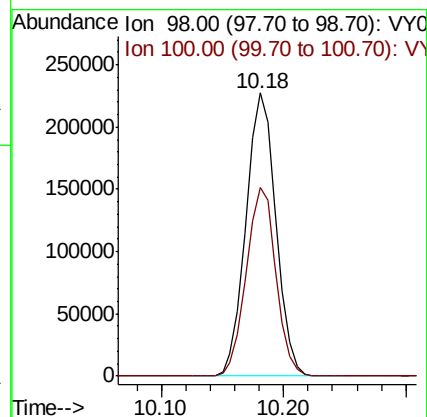
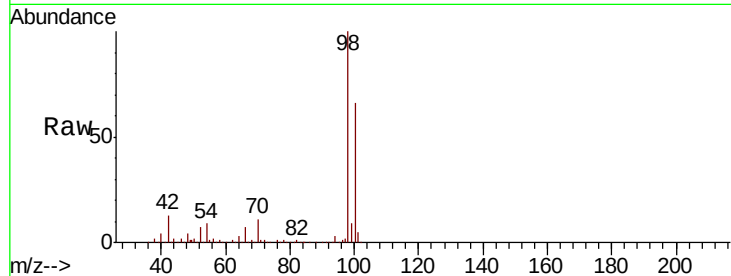
ClientSampled :

Tot Ion: 98 Resp: 386670

Ion Ratio Lower Upper

98 100

100 66.1 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 1.069 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.11 min

Lab File: VY000705.D

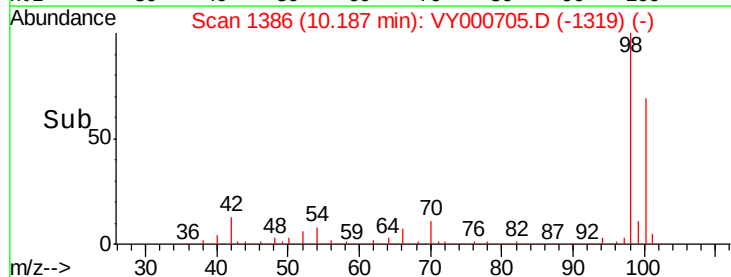
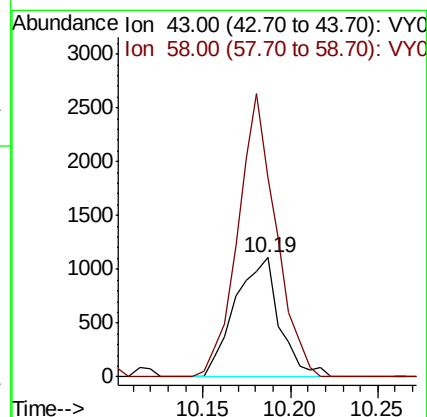
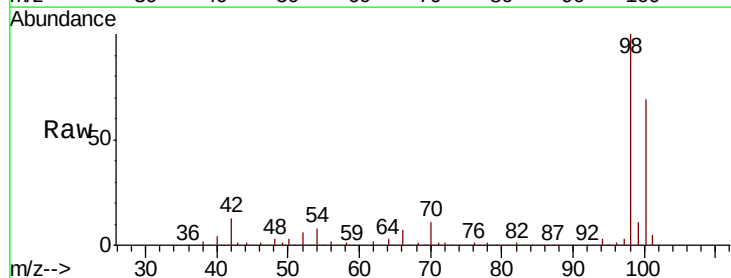
Acq: 15 Nov 2019 16:42

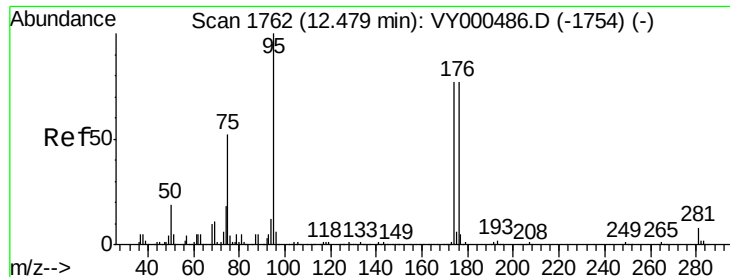
Tgt Ion: 43 Resp: 1954

Ion Ratio Lower Upper

43 100

58 203.0 30.2 45.4#





#62

4-Bromofluorobenzene

Concen: 49.788 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000705.D

Acq: 15 Nov 2019 16:42

Instrument :

MSVOA_Y

ClientSampled :

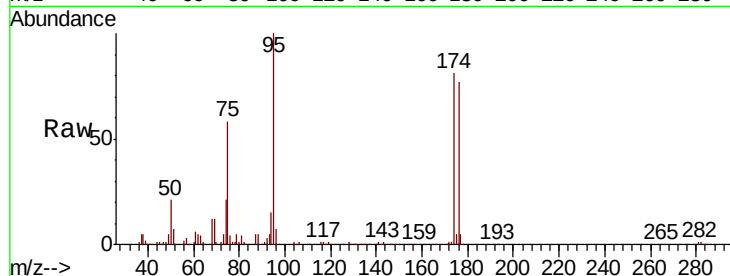
Tot Ion: 95 Resp: 137655

Ion Ratio Lower Upper

95 100

174 79.8 0.0 161.6

176 77.4 0.0 157.8



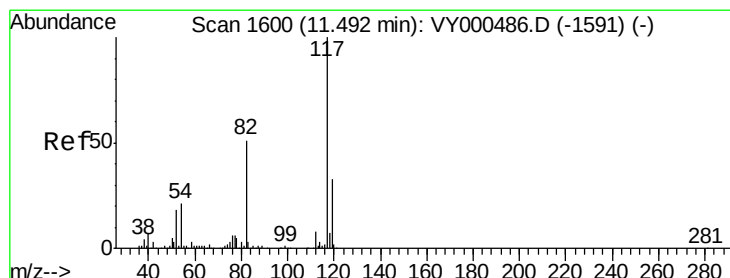
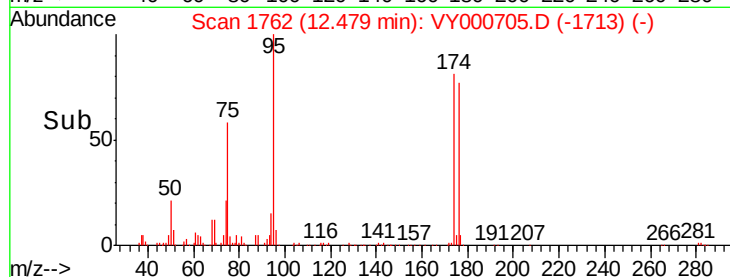
Abundance Ion 94.90 (94.60 to 95.60): VY000486.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY000486.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY000486.D (-1754) (-)

12.48

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY000705.D

Acq: 15 Nov 2019 16:42

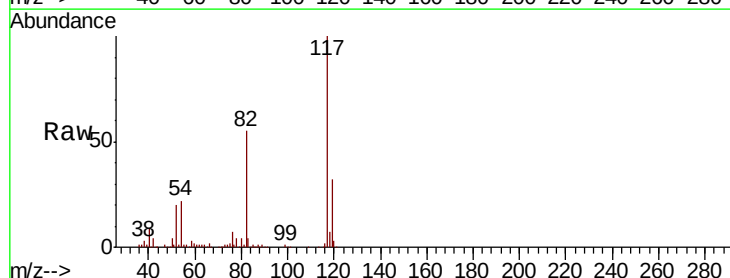
Tgt Ion: 117 Resp: 300811

Ion Ratio Lower Upper

117 100

82 54.5 40.8 61.2

119 31.9 26.2 39.2



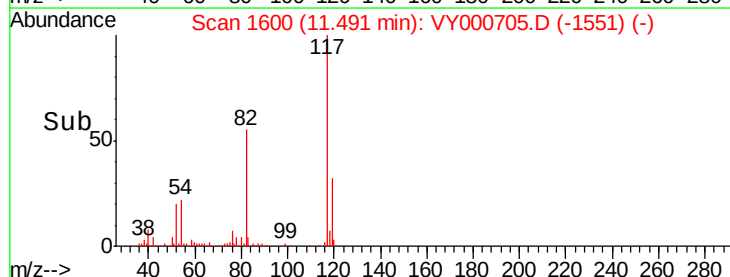
Abundance Ion 116.90 (116.60 to 117.60): VY000486.D (-1591) (-)

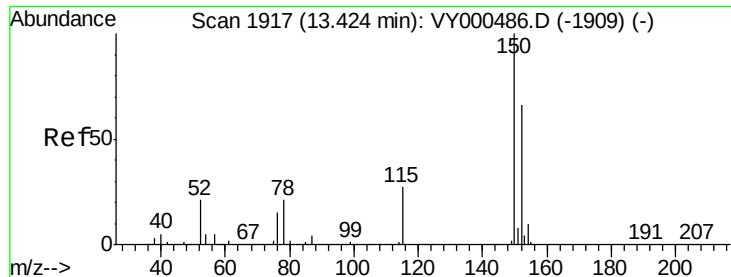
Ion 82.00 (81.70 to 82.70): VY000486.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY000486.D (-1591) (-)

11.49

Time-->



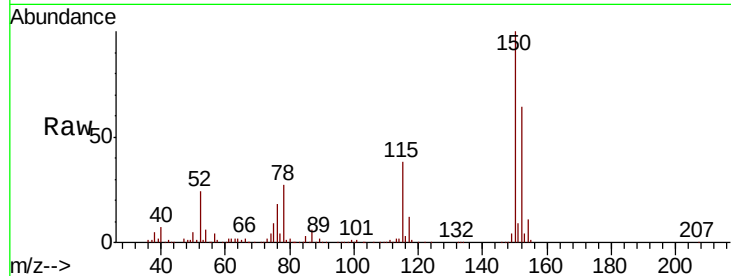


#72

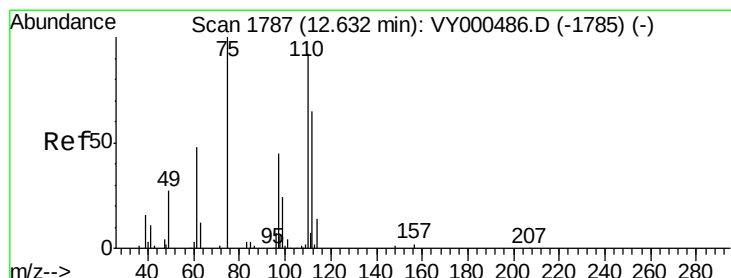
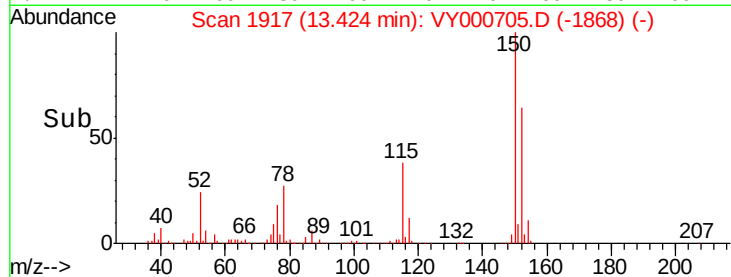
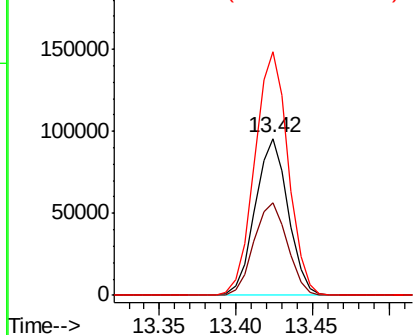
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000705.D
Acq: 15 Nov 2019 16:42

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 143753
Ion Ratio Lower Upper
152 100
115 60.4 29.1 87.4
150 157.1 0.0 348.8



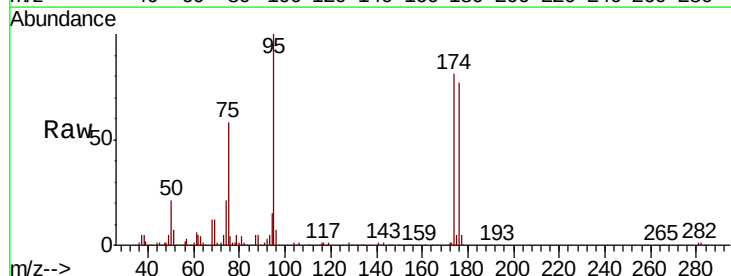
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



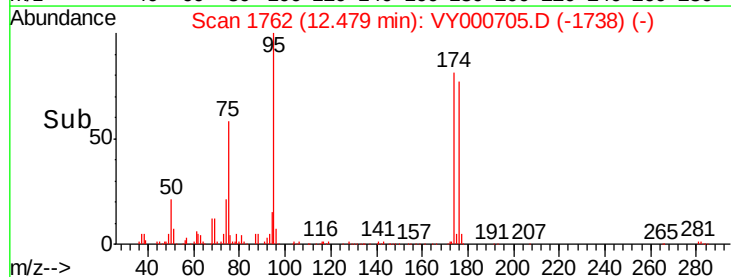
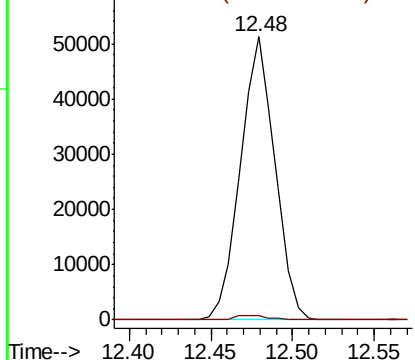
#76

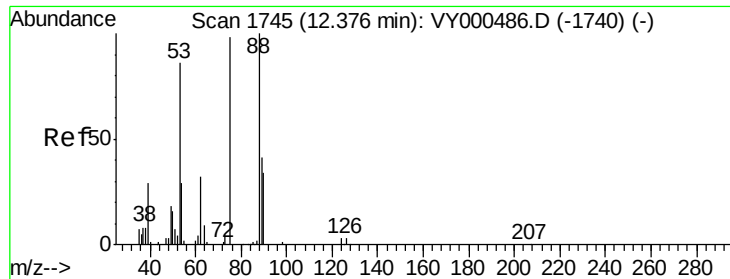
1,2,3-Trichloropropane
Concen: 46.096 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000705.D
Acq: 15 Nov 2019 16:42

Tgt Ion: 75 Resp: 75451
Ion Ratio Lower Upper
75 100
77 1.5 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: 103.353 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000705.D

Acq: 15 Nov 2019 16:42

Instrument :

MSVOA_Y

ClientSampleId :

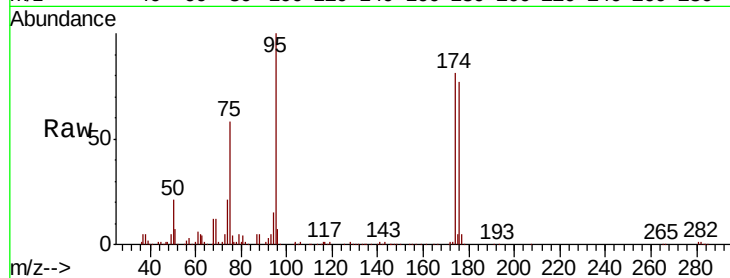
Tot Ion: 75 Resp: 75451

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.2 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

