

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112619\
 Data File : VY000805.D
 Acq On : 26 Nov 2019 15:58
 Operator : SY/MD
 Sample : K6066-02
 Misc : 7.05G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 27 04:32:15 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	258734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	491361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	420875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	170129	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	156036	58.28	ug/l	0.00
Spiked Amount			Recovery	=	116.56%	
35) Dibromofluoromethane	7.73	113	141029	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
50) Toluene-d8	10.18	98	576783	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.48	95	182826	43.88	ug/l	0.00
Spiked Amount			Recovery	=	87.76%	

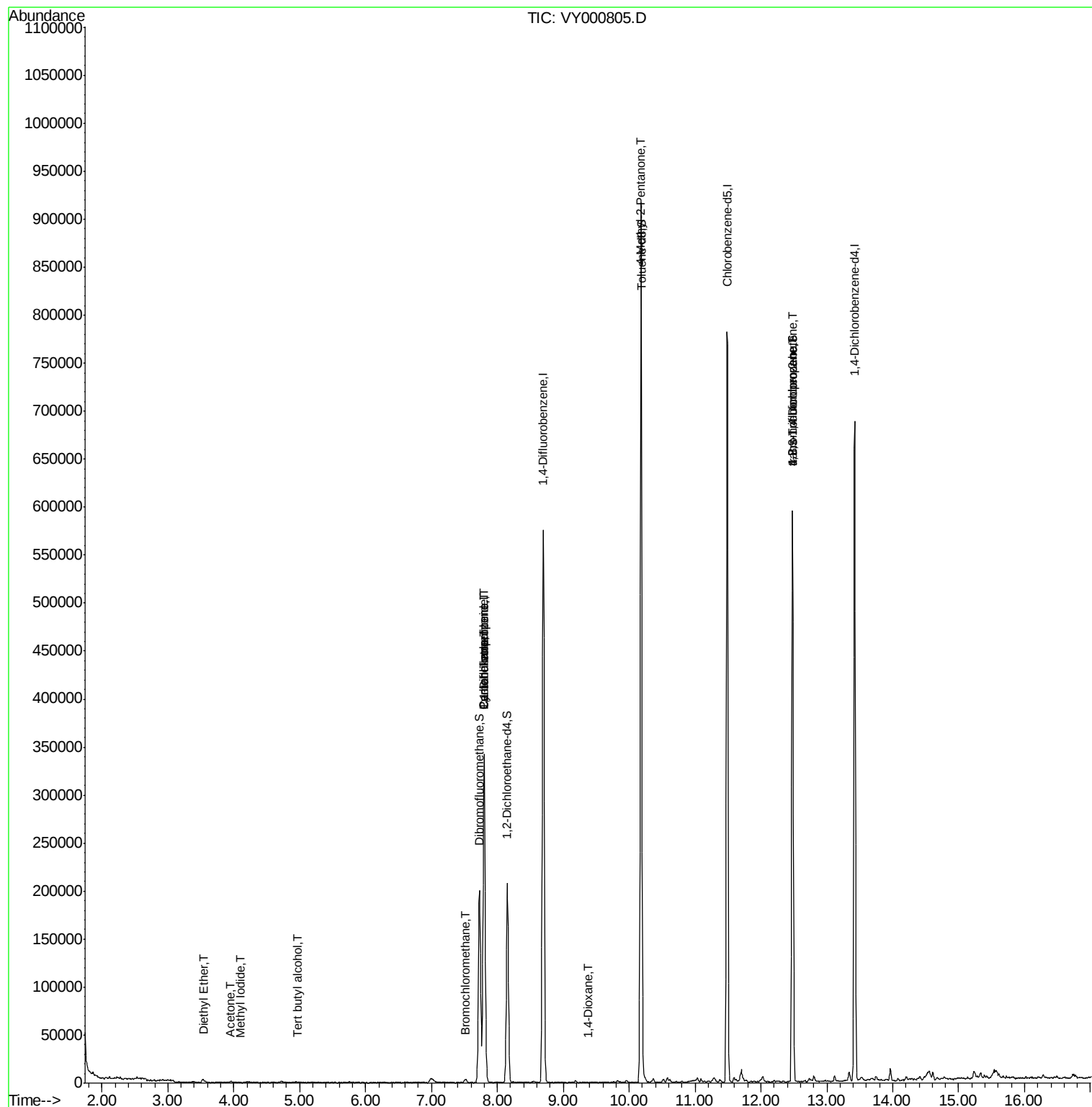
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	1908	1.220	ug/l	93
10) Methyl Iodide	4.10	142	147	3.239	ug/l #	41
11) Tert butyl alcohol	4.98	59	845	3.242	ug/l #	72
16) Acetone	3.94	43	1485	2.012	ug/l #	57
28) Bromochloromethane	7.52	49	315	4.221	ug/l #	14
31) Cyclohexane	7.80	56	6522	1.258	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	21785	4.690	ug/l #	49
38) Carbon Tetrachloride	7.80	117	25520	5.710	ug/l #	15
49) 1,4-Dioxane	9.36	88	54	2.177	ug/l #	27
51) 4-Methyl-2-Pentanone	10.17	43	3011	1.093	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	94161	48.608	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	94161	108.986	ug/l #	13

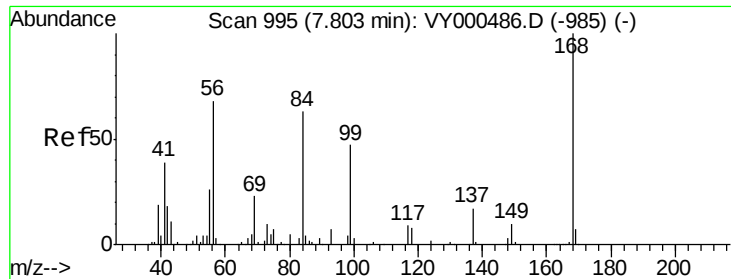
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000805.D

Acq: 26 Nov 2019 15:58

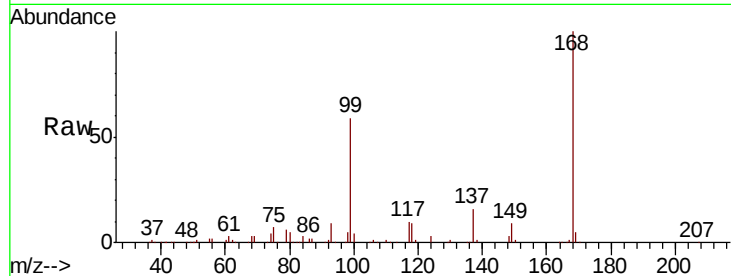
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 258734

Ion Ratio Lower Upper

168 100

99 58.9 45.7 68.5



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

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

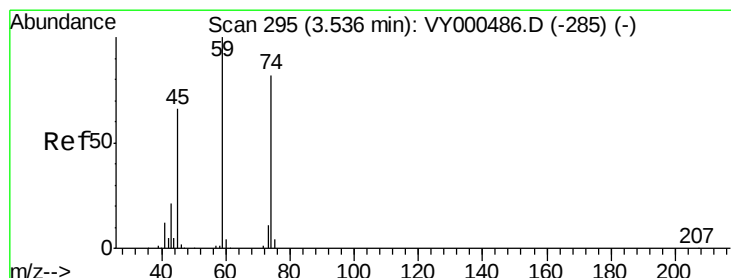
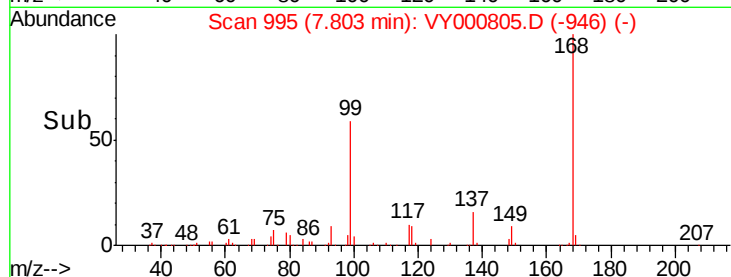
7.80

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.220 ug/l

RT: 3.54 min Scan# 296

Delta R.T. 0.01 min

Lab File: VY000805.D

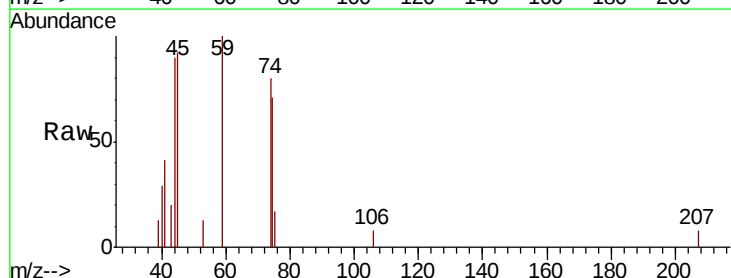
Acq: 26 Nov 2019 15:58

Tgt Ion: 74 Resp: 1908

Ion Ratio Lower Upper

74 100

45 84.3 45.5 136.4



Abundance Ion 74.00 (73.70 to 74.70): VY000486.D (-285) (-)

Ion 45.00 (44.70 to 45.70): VY000486.D (-285) (-)

3.54

1200

1000

800

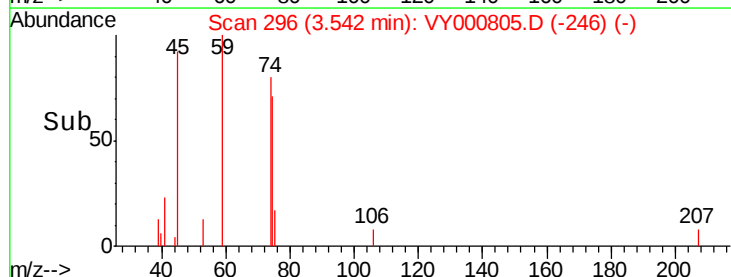
600

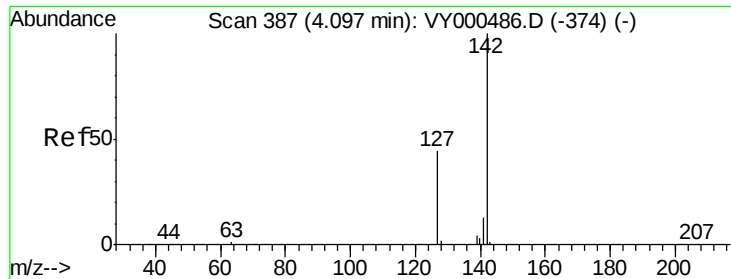
400

200

0

Time-->

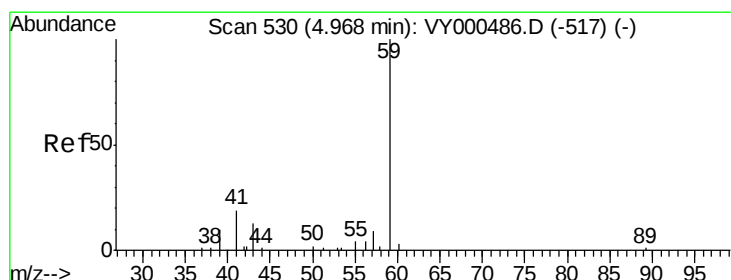
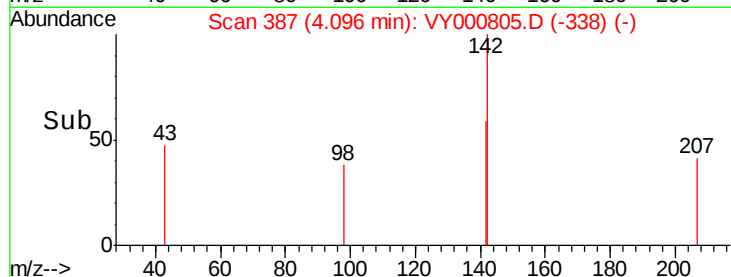
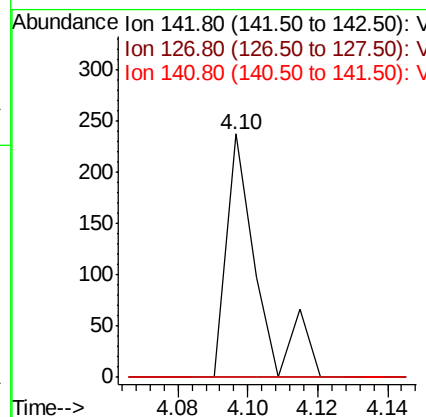
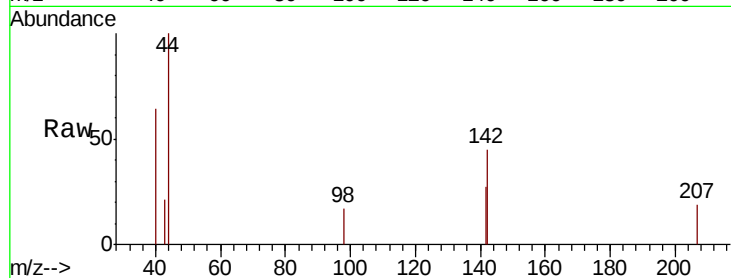




#10
Methvl Iodide
Concen: 3.239 ug/l
RT: 4.10 min Scan# 387
Delta R.T. 0.00 min
Lab File: VY000805.D
Acq: 26 Nov 2019 15:58

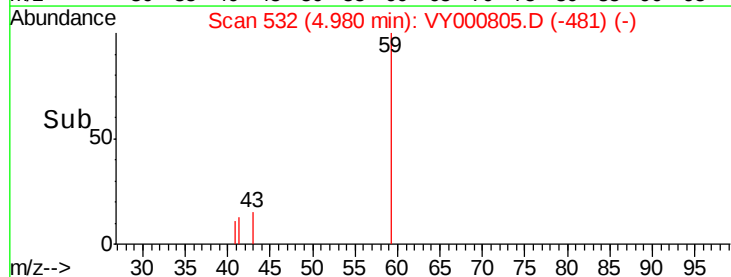
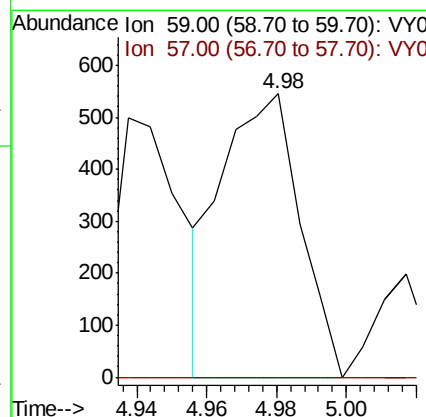
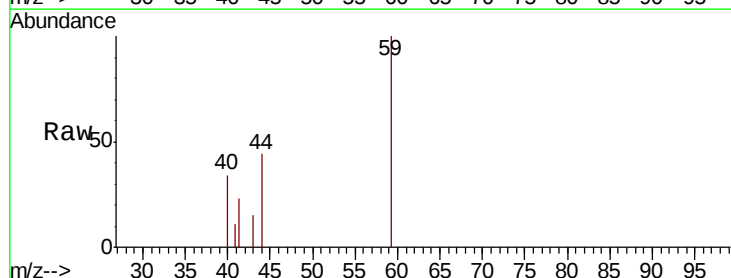
Instrument :
MSVOA_Y
ClientSampleId :

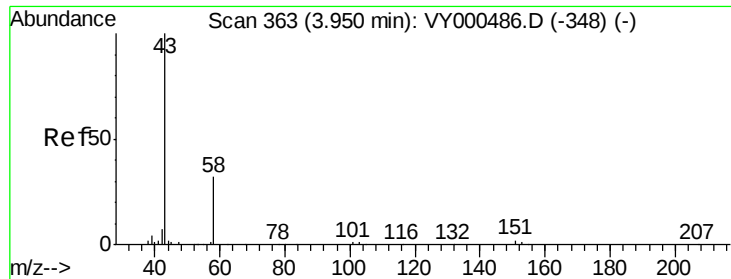
Tot Ion:142 Resp: 147
Ion Ratio Lower Upper
142 100
127 0.0 33.7 50.5#
141 0.0 10.9 16.3#



#11
Tert butyl alcohol
Concen: 3.242 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY000805.D
Acq: 26 Nov 2019 15:58

Tgt Ion: 59 Resp: 845
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#16

Acetone

Concen: 2.012 ug/l

RT: 3.94 min Scan# 362

Delta R.T. -0.01 min

Lab File: VY000805.D

Acq: 26 Nov 2019 15:58

Instrument :

MSVOA_Y

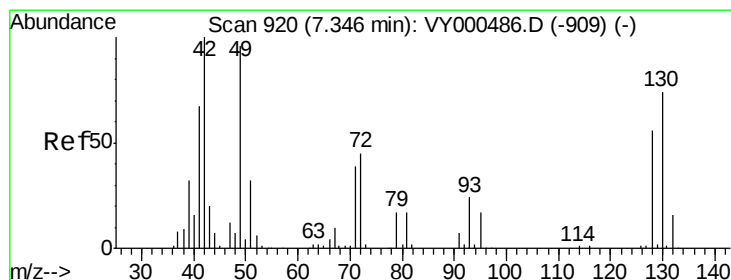
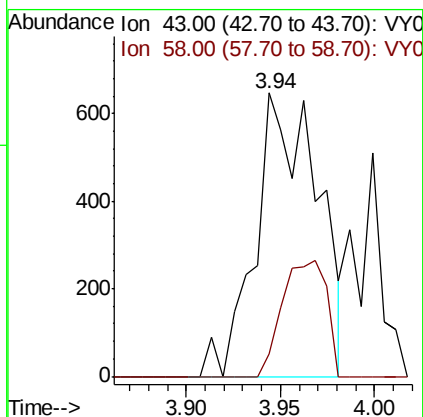
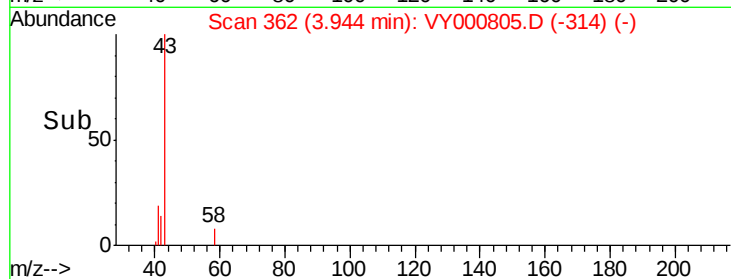
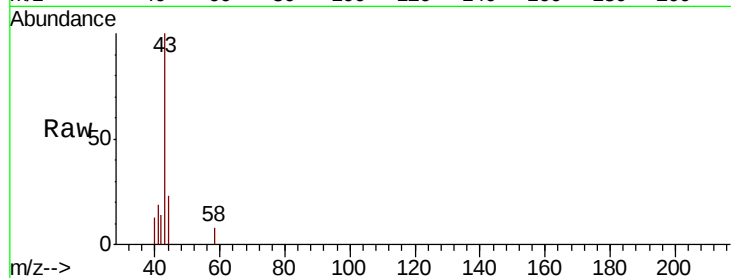
ClientSampleId :

Tot Ion: 43 Resp: 1485

Ion Ratio Lower Upper

43 100

58 8.0 25.8 38.6#



#28

Bromochloromethane

Concen: 4.221 ug/l

RT: 7.52 min Scan# 948

Delta R.T. 0.17 min

Lab File: VY000805.D

Acq: 26 Nov 2019 15:58

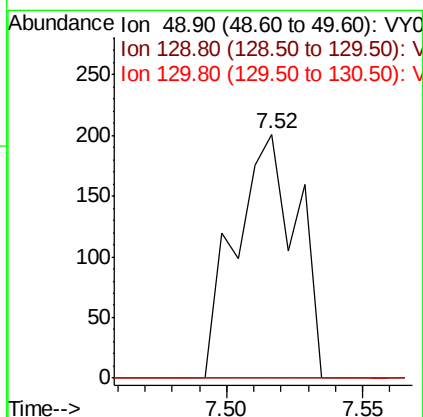
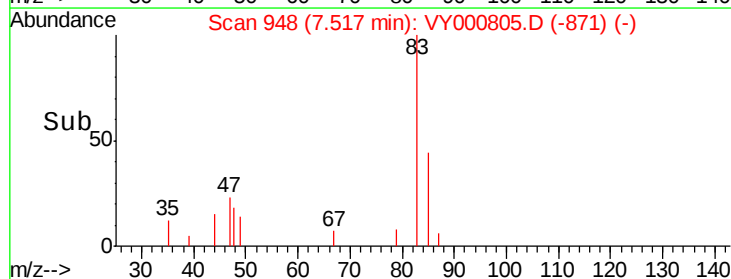
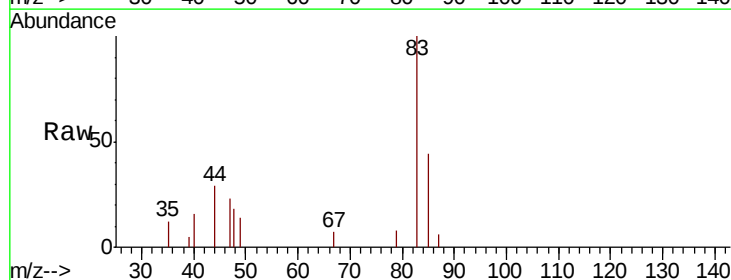
Tgt Ion: 49 Resp: 315

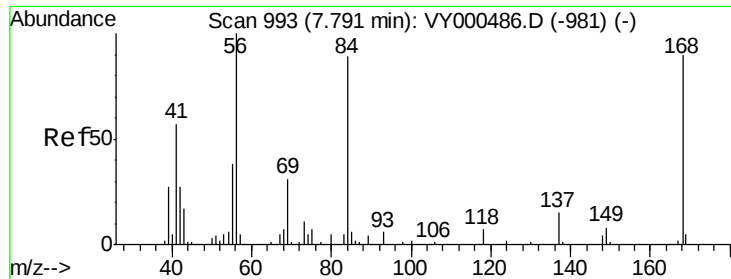
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 59.4 89.0#

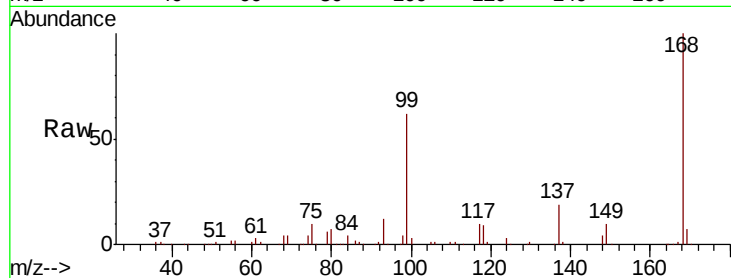




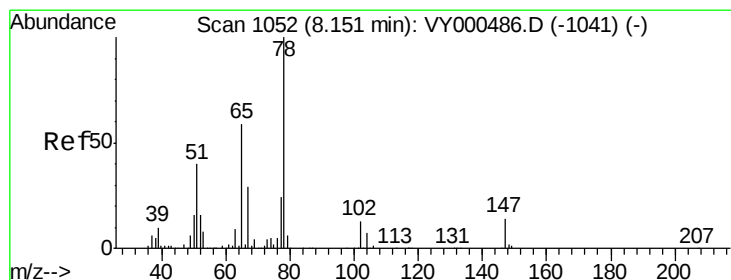
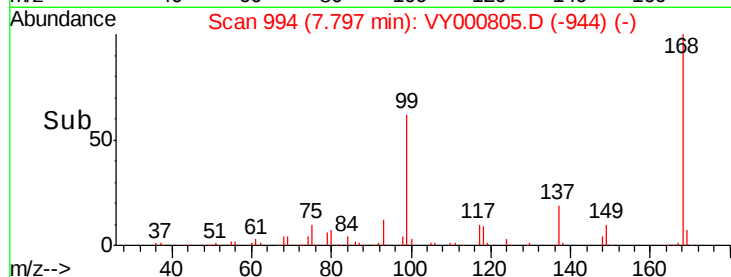
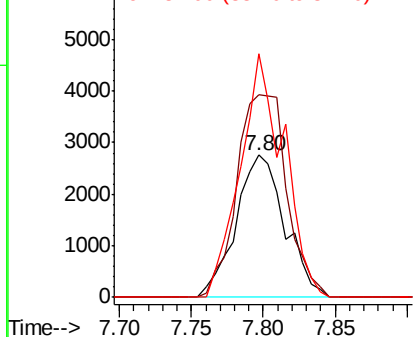
#31
Cyclohexane
Concen: 1.258 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000805.D
Acq: 26 Nov 2019 15:58

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 6522
Ion Ratio Lower Upper
56 100
69 142.9 25.0 37.6#
84 171.6 71.4 107.2#

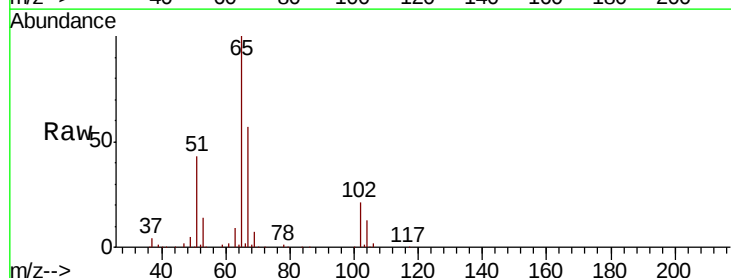


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

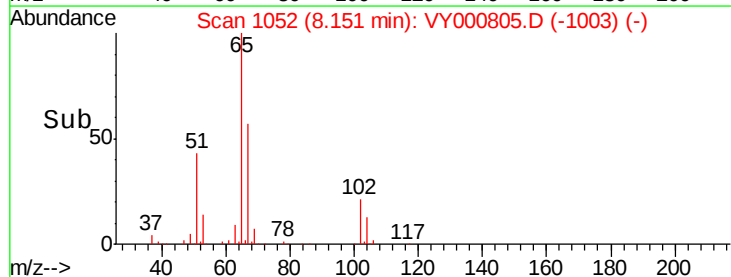
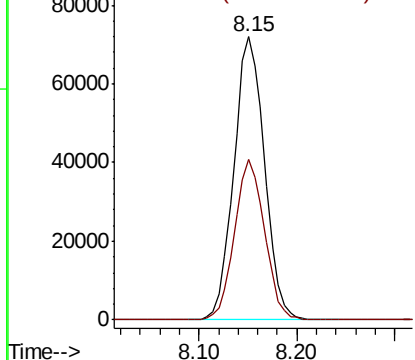


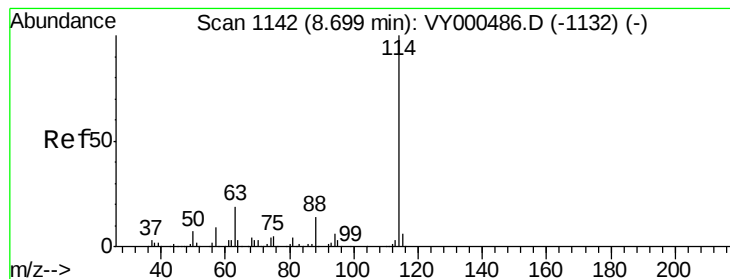
#33
1,2-Dichloroethane-d4
Concen: 58.275 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY000805.D
Acq: 26 Nov 2019 15:58

Tgt Ion: 65 Resp: 156036
Ion Ratio Lower Upper
65 100
67 55.6 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: VY000805.D

Acq: 26 Nov 2019 15:58

Instrument :

MSVOA_Y

ClientSampleId :

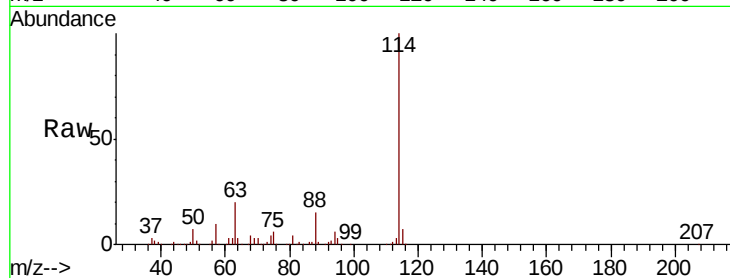
Tot Ion:114 Resp: 491361

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.0

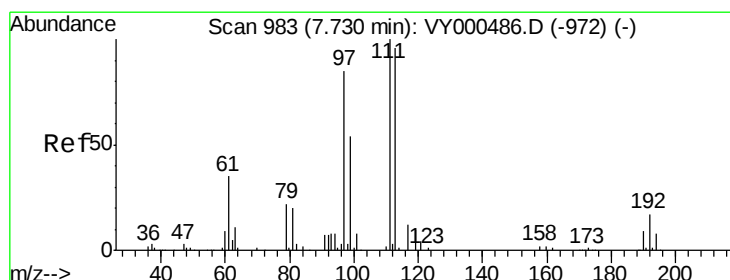
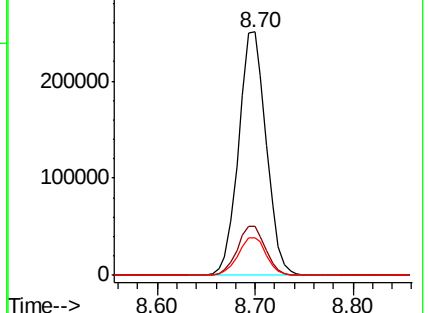
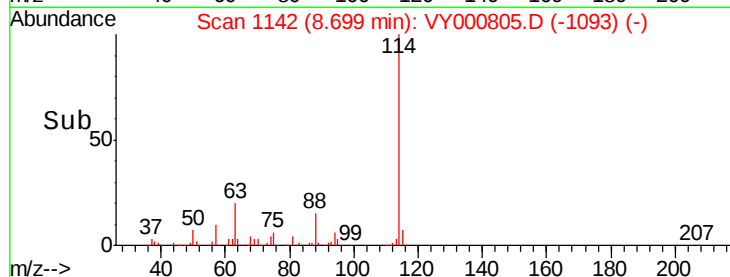
88 15.3 0.0 28.6



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: 48.890 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000805.D

Acq: 26 Nov 2019 15:58

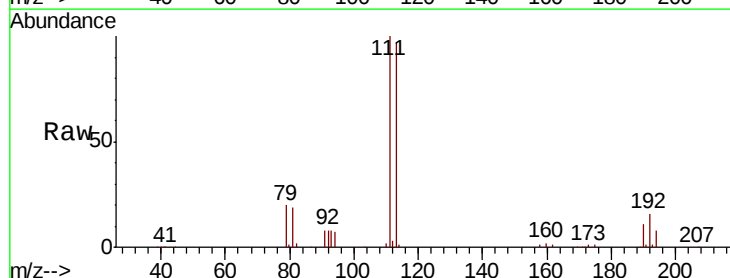
Tgt Ion:113 Resp: 141029

Ion Ratio Lower Upper

113 100

111 104.4 81.7 122.5

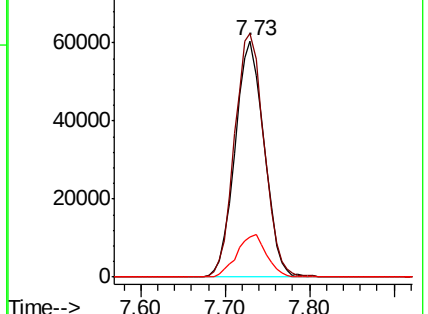
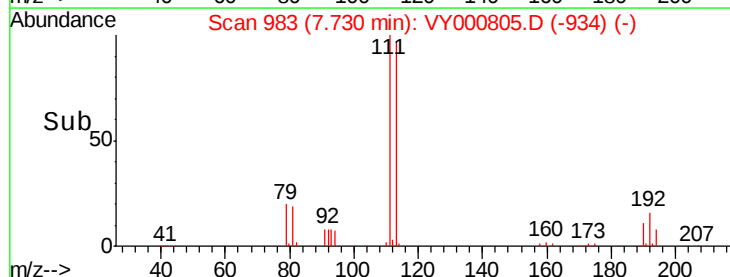
192 18.2 15.0 22.4

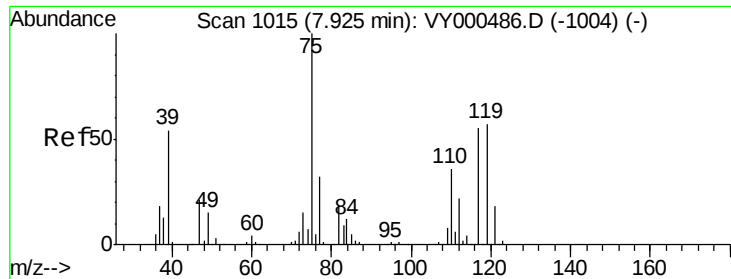


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

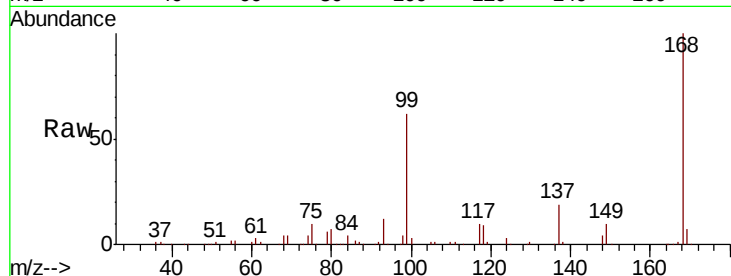




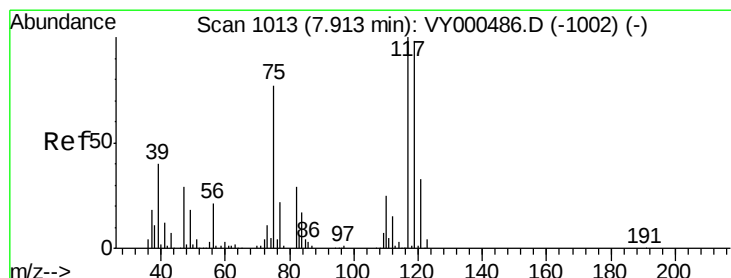
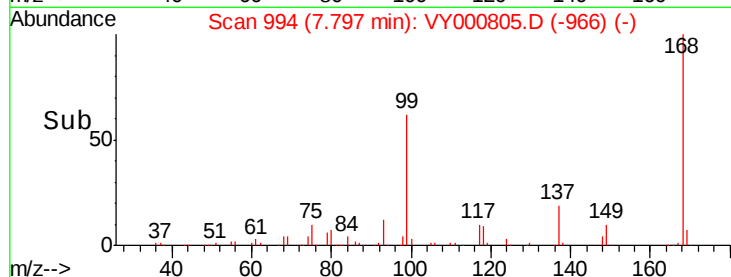
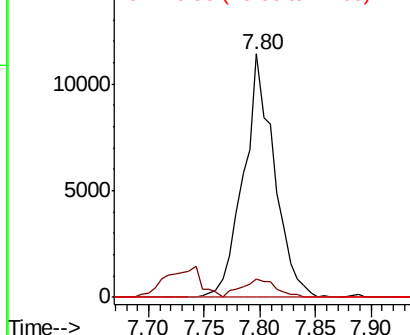
#36
 1,1-Dichloropropene
 Concen: 4.690 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000805.D
 Acq: 26 Nov 2019 15:58

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	75	Resp	21785
Ion Ratio	Lower	Upper	
75	100		
110	8.5	18.1	54.1#
77	0.0	25.0	37.6#

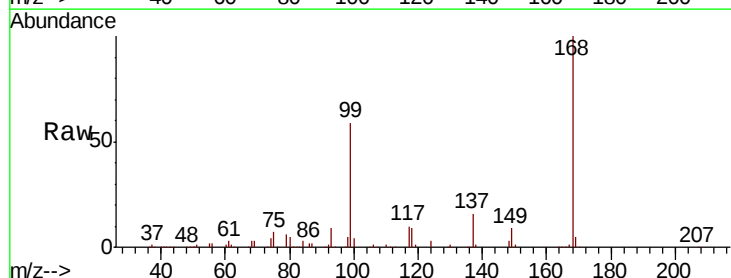


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

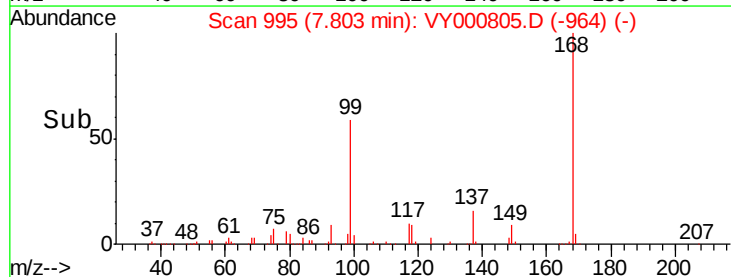
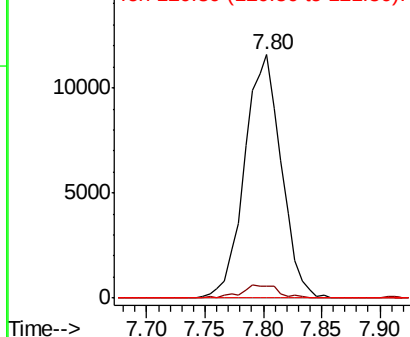


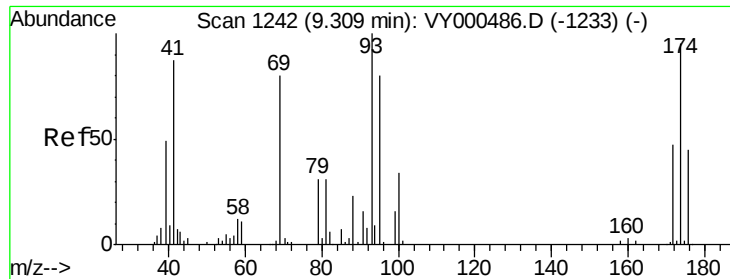
#38
 Carbon Tetrachloride
 Concen: 5.710 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000805.D
 Acq: 26 Nov 2019 15:58

Tgt Ion	117	Resp	25520
Ion Ratio	Lower	Upper	
117	100		
119	5.1	78.0	117.0#
121	0.0	26.6	40.0#



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

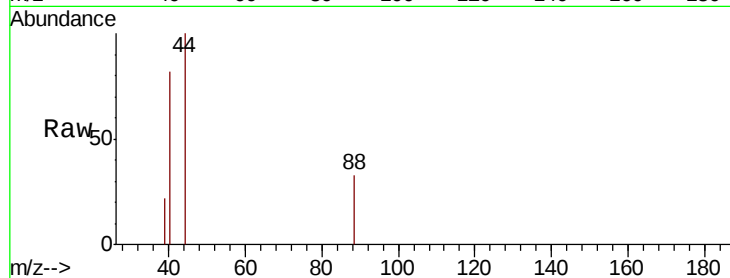




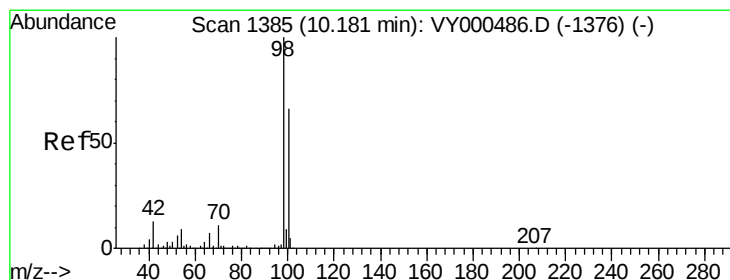
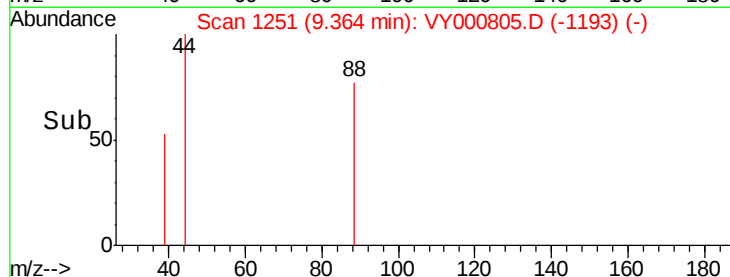
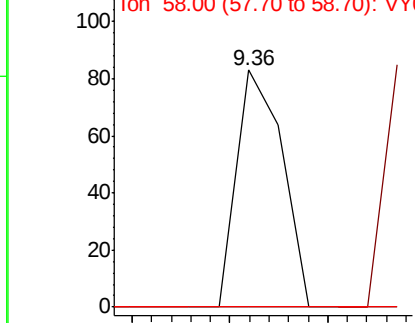
#49
1,4-Dioxane
Concen: 2.177 ug/l
RT: 9.36 min Scan# 1251
Delta R.T. 0.05 min
Lab File: VY000805.D
Acq: 26 Nov 2019 15:58

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 25.1 37.7#
58 0.0 50.6 75.8#

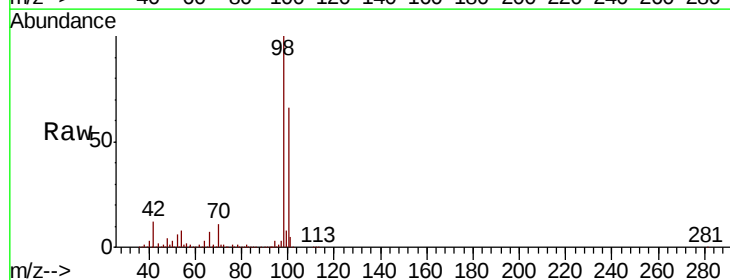


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

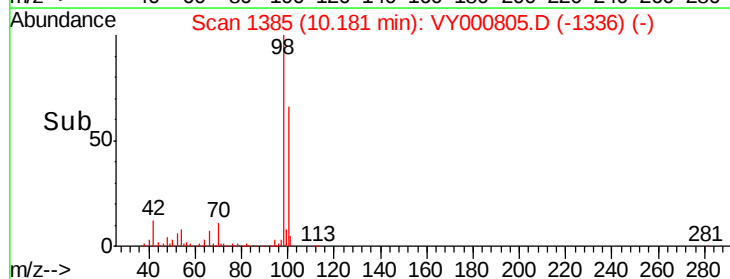
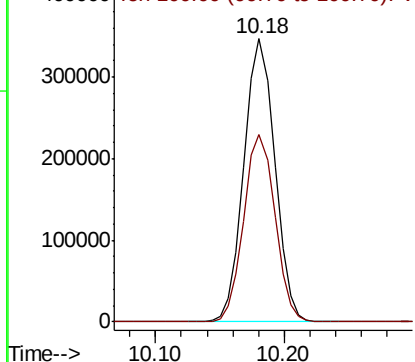


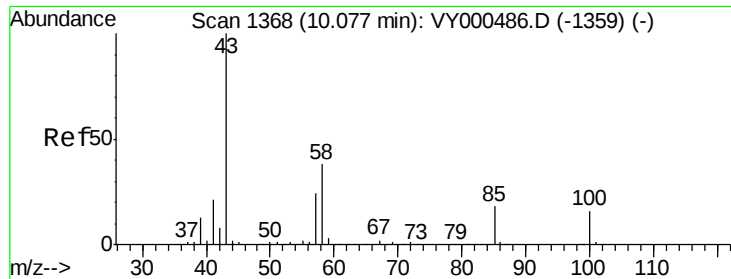
#50
Toluene-d8
Concen: 52.696 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000805.D
Acq: 26 Nov 2019 15:58

Tgt Ion: 98 Resp: 576783
Ion Ratio Lower Upper
98 100
100 66.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 1.093 ug/l

RT: 10.17 min Scan# 1383

Delta R.T. 0.09 min

Lab File: VY000805.D

Acq: 26 Nov 2019 15:58

Instrument :

MSVOA_Y

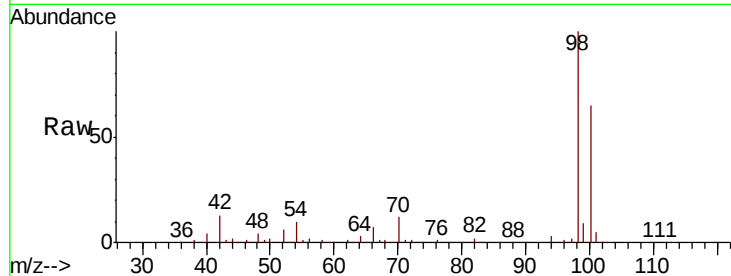
ClientSampled :

Tot Ion: 43 Resp: 3011

Ion Ratio Lower Upper

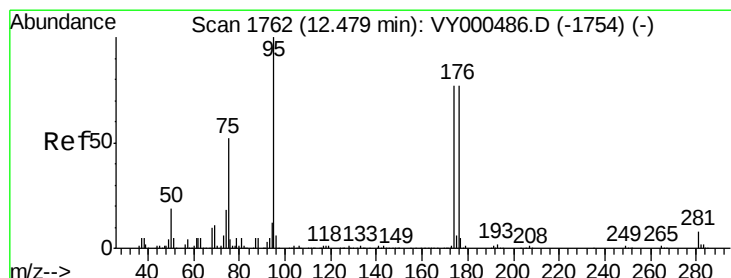
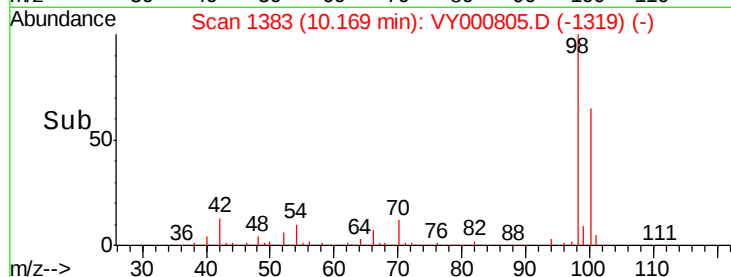
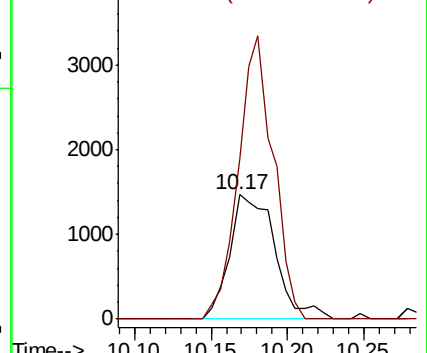
43 100

58 176.0 30.2 45.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 43.876 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000805.D

Acq: 26 Nov 2019 15:58

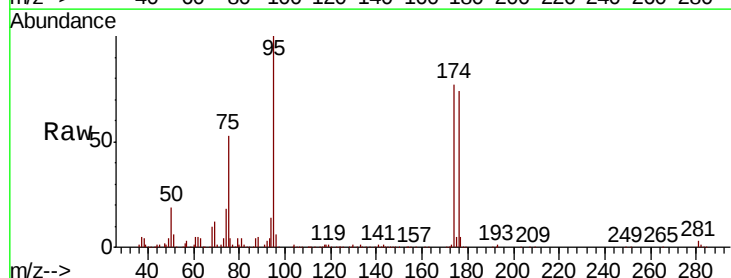
Tgt Ion: 95 Resp: 182826

Ion Ratio Lower Upper

95 100

174 75.9 0.0 161.6

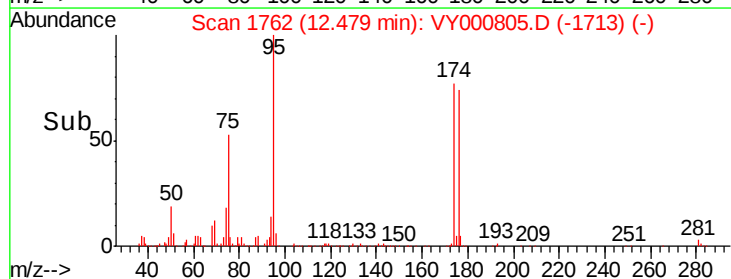
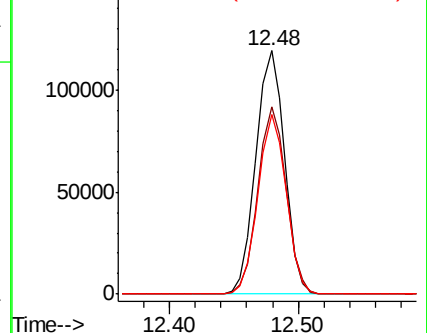
176 72.8 0.0 157.8

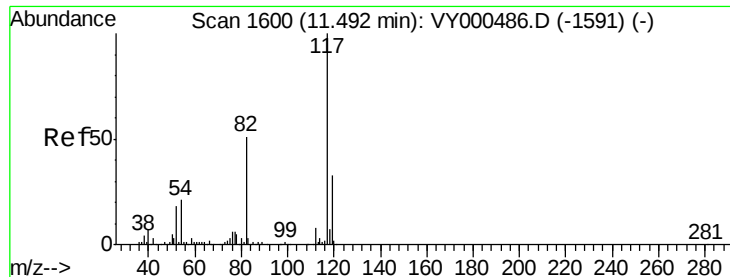


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

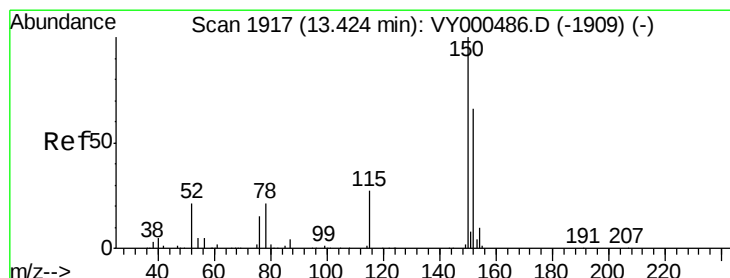
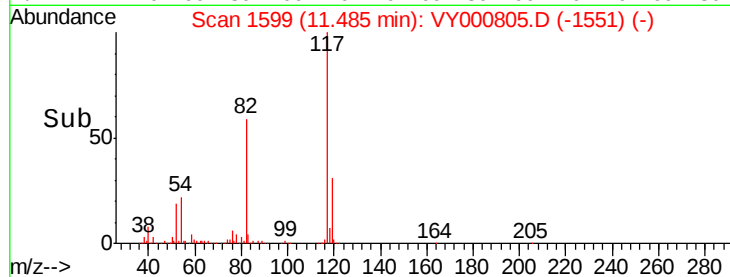
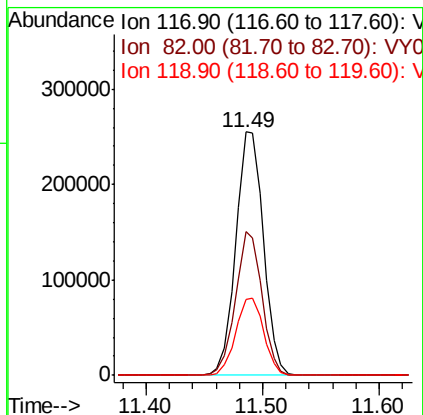
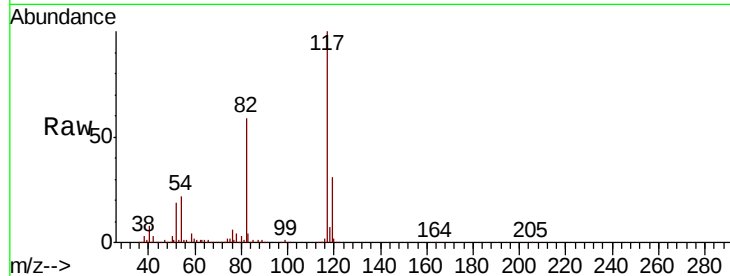




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000805.D
Acq: 26 Nov 2019 15:58

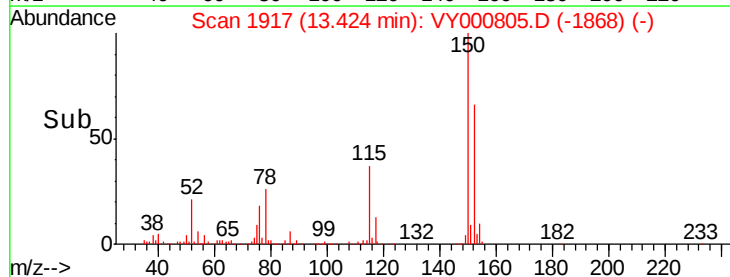
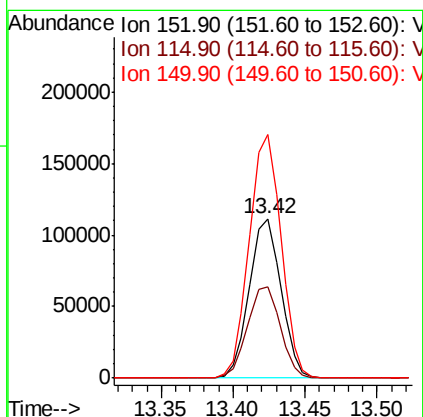
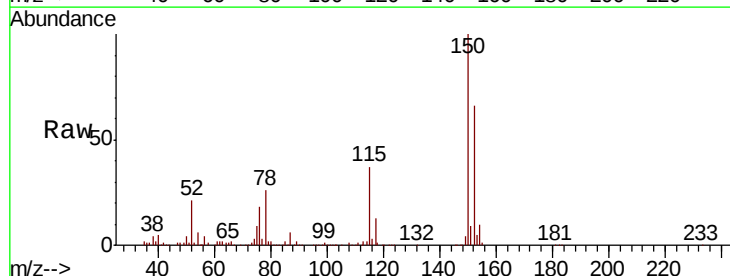
Instrument :
MSVOA_Y
ClientSampleId :

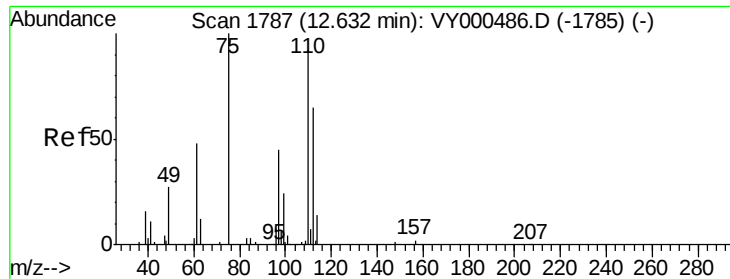
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	40.8	61.2
119	31.2	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000805.D
Acq: 26 Nov 2019 15:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.1	87.4
150	153.1	0.0	348.8

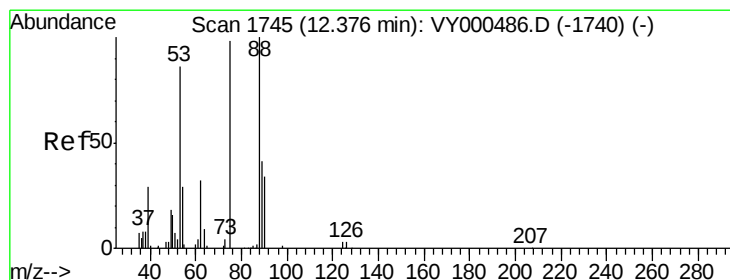
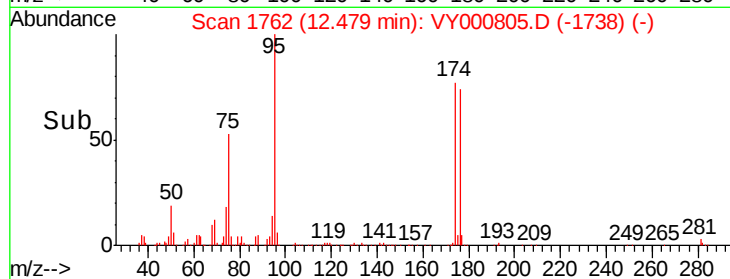
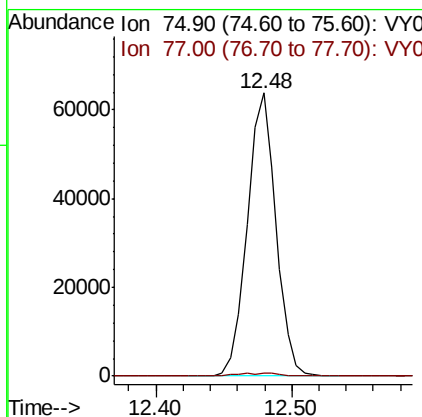
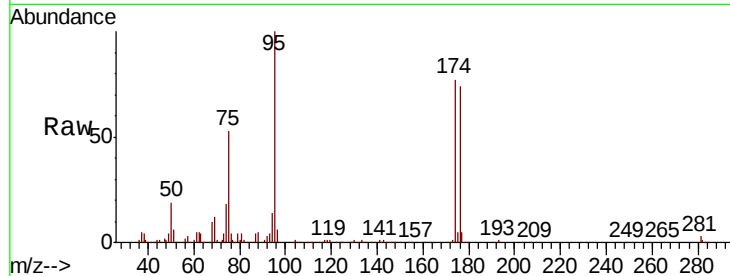




#76
 1,2,3-Trichloropropane
 Concen: 48.608 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY000805.D
 Acq: 26 Nov 2019 15:58

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 94161
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.986 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY000805.D
 Acq: 26 Nov 2019 15:58

Tgt Ion: 75 Resp: 94161
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.2 109.8#
 89 0.2 35.9 53.9#

