

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110619\
 Data File : VY000560.D
 Acq On : 06 Nov 2019 18:30
 Operator : SY/MD
 Sample : K5723-01
 Misc : 7.81G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 07 04:58:43 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

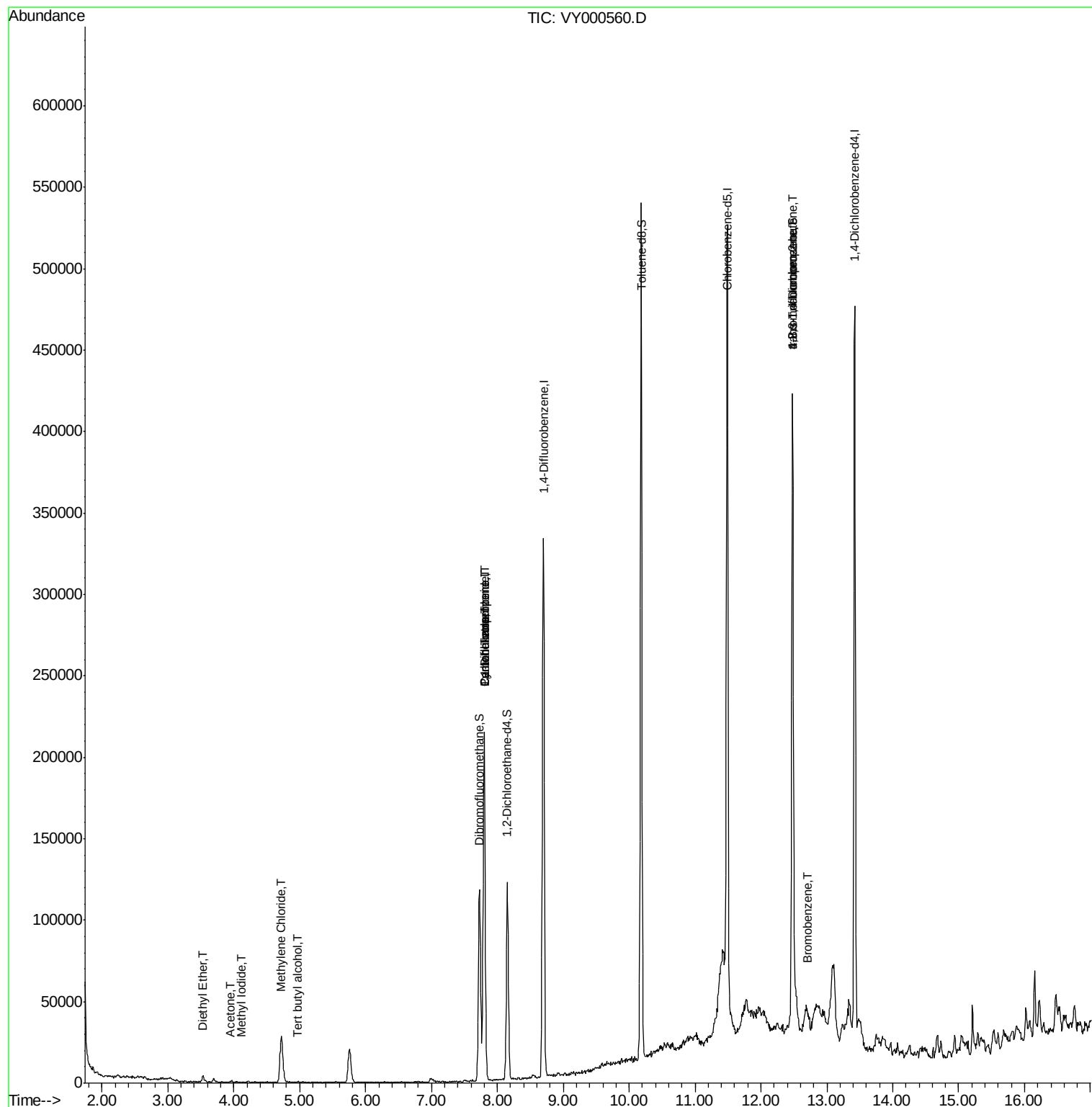
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	156908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	278868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	249734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	108637	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	90066	55.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.94%	
35) Dibromofluoromethane	7.73	113	83117	50.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.54%	
50) Toluene-d8	10.18	98	334945	53.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.84%	
62) 4-Bromofluorobenzene	12.48	95	113536	48.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.02%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.54	74	1803	1.902	ug/l #	51
10) Methyl Iodide	4.11	142	72	3.231	ug/l #	41
11) Tert butyl alcohol	4.97	59	439	2.777	ug/l #	72
16) Acetone	3.95	43	791	1.767	ug/l #	42
20) Methylene Chloride	4.72	84	21092	10.999	ug/l	85
31) Cyclohexane	7.80	56	4017	1.278	ug/l #	58
36) 1,1-Dichloropropene	7.80	75	13104	4.971	ug/l #	48
38) Carbon Tetrachloride	7.80	117	16649	6.563	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	59594	48.177	ug/l #	100
77) Bromobenzene	12.70	156	13908	7.639	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	59594	108.019	ug/l #	14

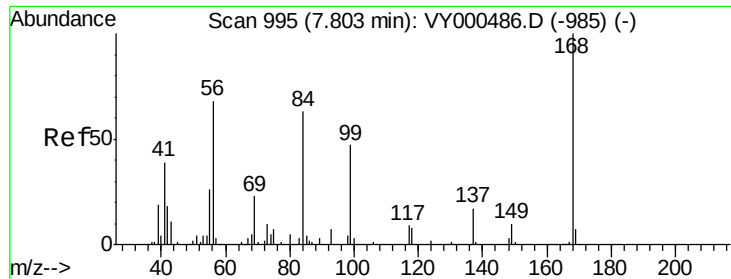
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000560.D

Acq: 06 Nov 2019 18:30

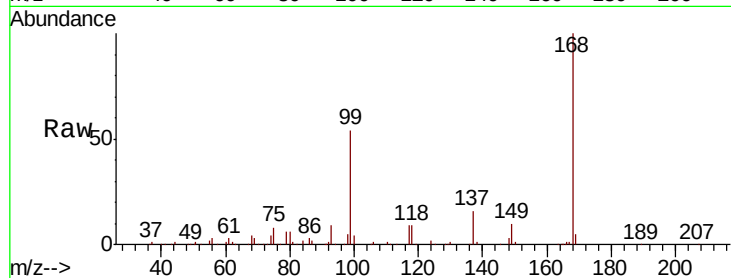
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 156908

Ion Ratio Lower Upper

168 100

99 54.0 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

80000

60000

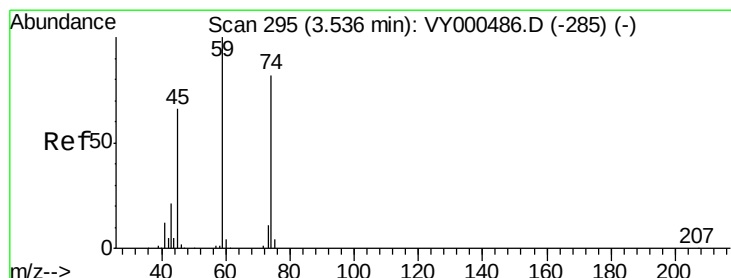
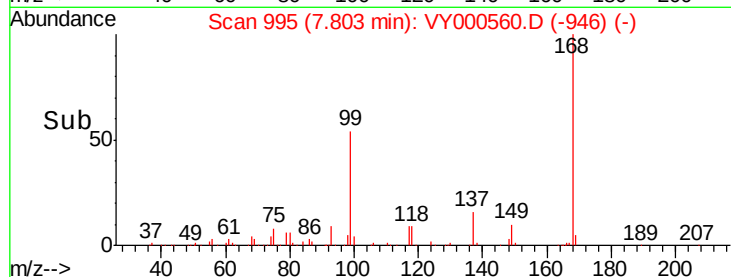
40000

20000

0

7.70 7.80 7.90

Time-->



#8

Diethyl Ether

Concen: 1.902 ug/l

RT: 3.54 min Scan# 295

Delta R.T. -0.00 min

Lab File: VY000560.D

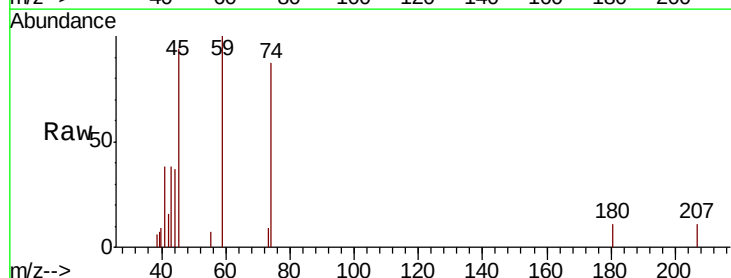
Acq: 06 Nov 2019 18:30

Tgt Ion: 74 Resp: 1803

Ion Ratio Lower Upper

74 100

45 137.8 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) (-)

1500

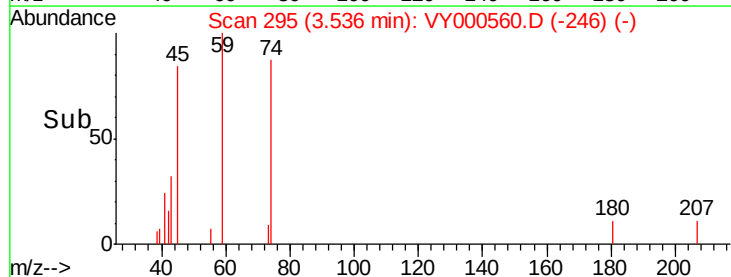
1000

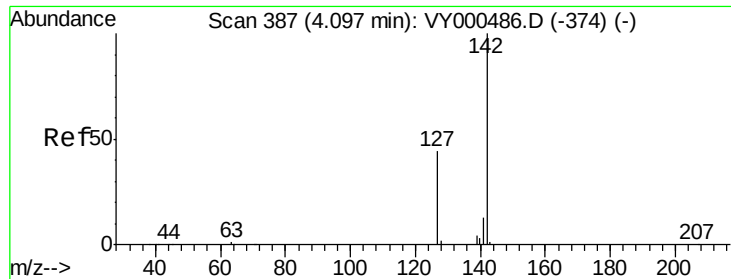
500

0

3.45 3.50 3.55 3.60

Time-->

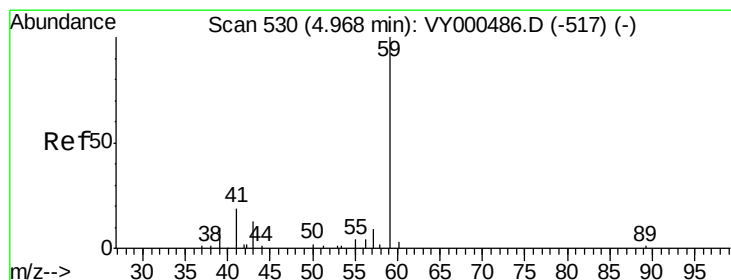
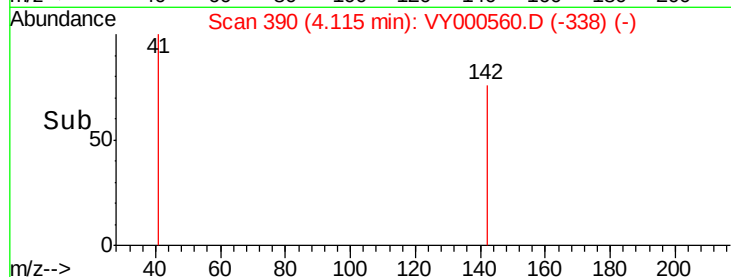
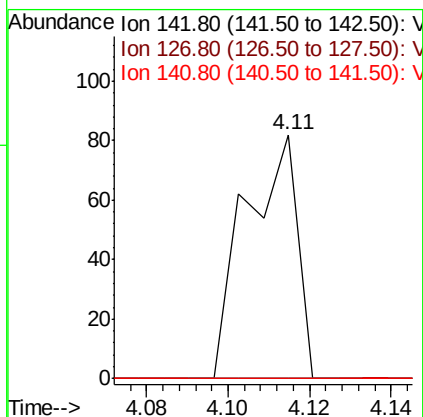
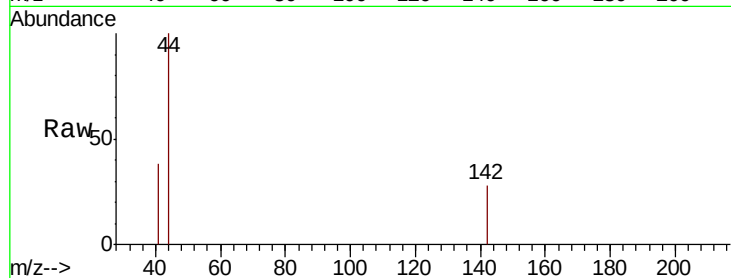




#10
Methyl Iodide
Concen: 3.231 ug/l
RT: 4.11 min Scan# 390
Delta R.T. 0.02 min
Lab File: VY000560.D
Acq: 06 Nov 2019 18:30

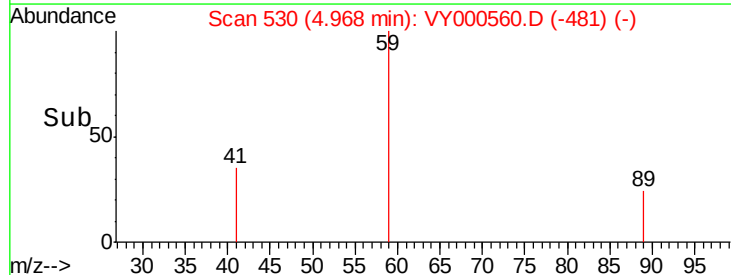
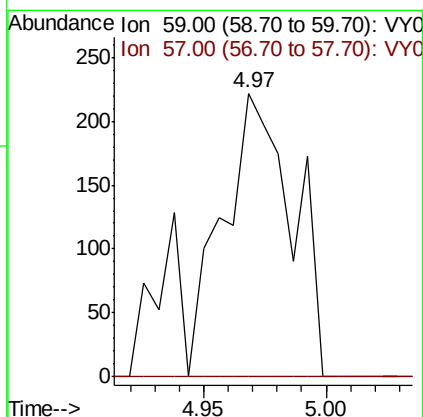
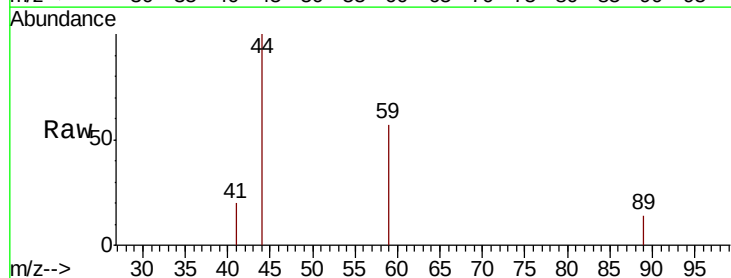
Instrument :
MSVOA_Y
ClientSampled :

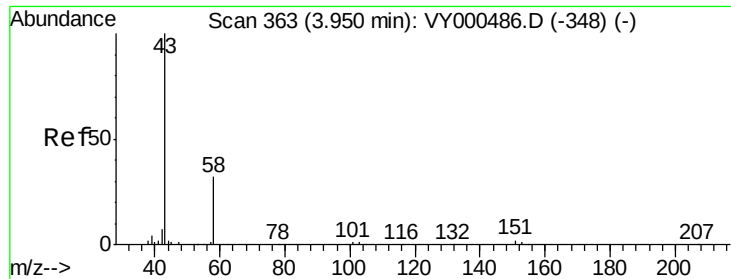
Tot Ion:142 Resp: 72
Ion Ratio Lower Upper
142 100
127 0.0 33.7 50.5#
141 0.0 10.9 16.3#



#11
Tert butyl alcohol
Concen: 2.777 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.00 min
Lab File: VY000560.D
Acq: 06 Nov 2019 18:30

Tgt Ion: 59 Resp: 439
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#16

Acetone

Concen: 1.767 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VY000560.D

Acq: 06 Nov 2019 18:30

Instrument :

MSVOA_Y

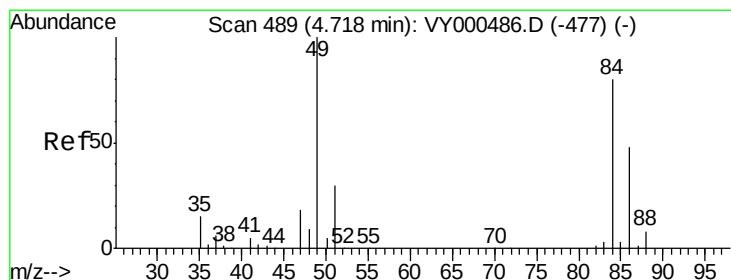
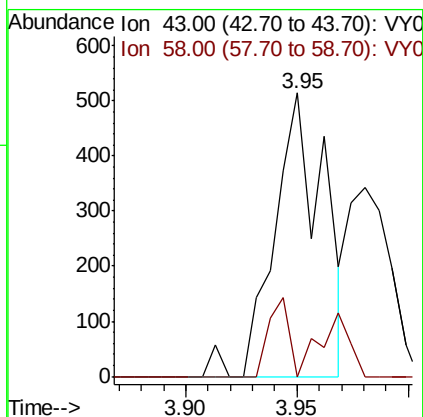
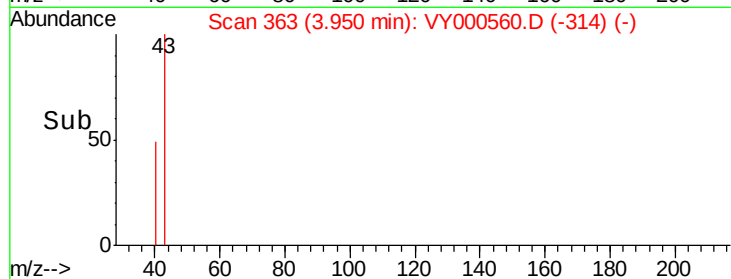
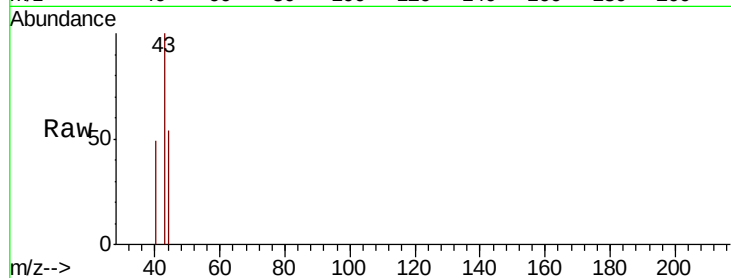
ClientSampleId :

Tot Ion: 43 Resp: 791

Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.6#



#20

Methylene Chloride

Concen: 10.999 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000560.D

Acq: 06 Nov 2019 18:30

Tgt Ion: 84 Resp: 21092

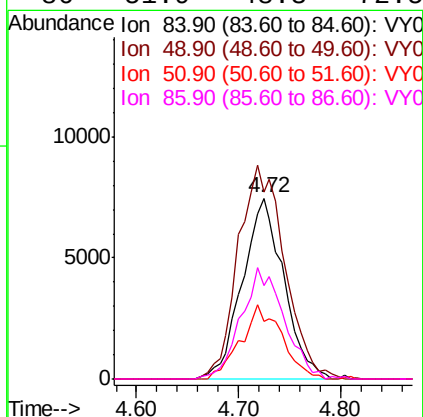
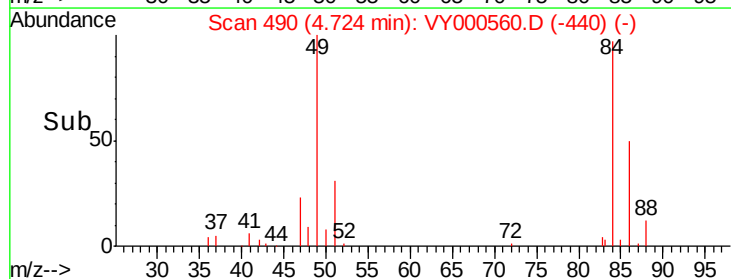
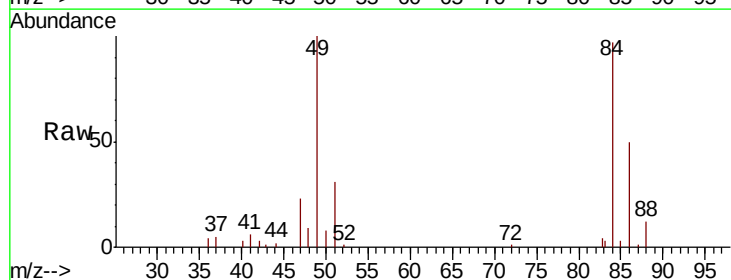
Ion Ratio Lower Upper

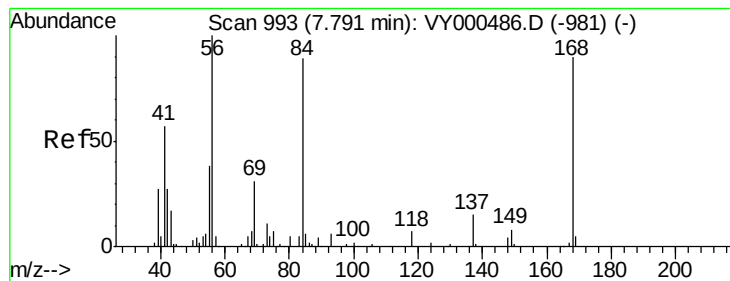
84 100

49 103.5 100.2 150.4

51 32.1 29.6 44.4

86 51.9 48.3 72.5





#31

Cyclohexane

Concen: 1.278 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

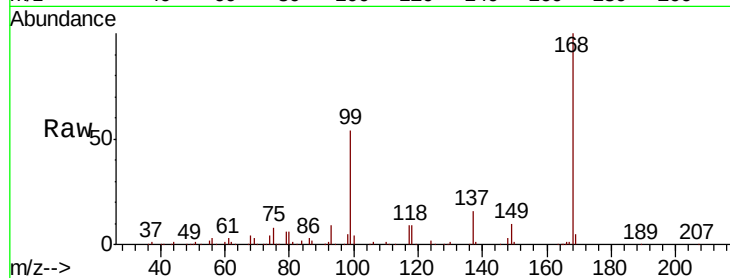
Lab File: VY000560.D

Acq: 06 Nov 2019 18:30

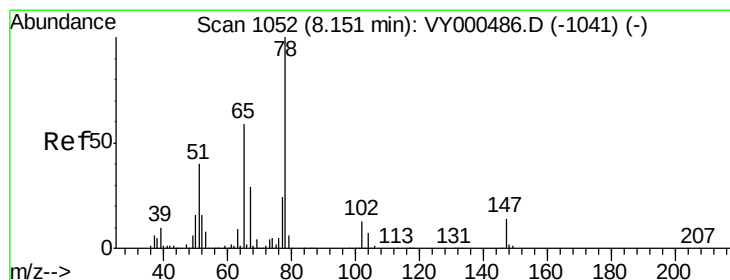
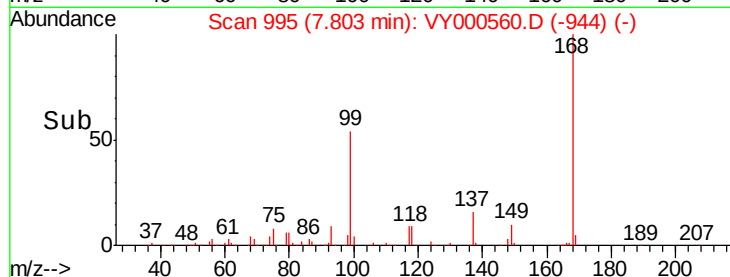
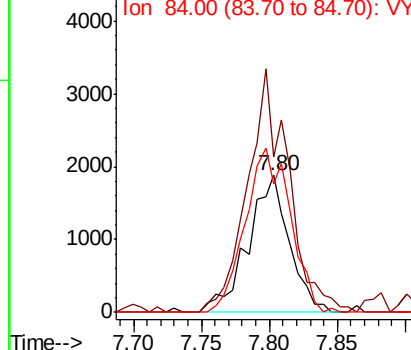
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 4017

Ion	Ratio	Lower	Upper
56	100		
69	113.4	25.0	37.6#
84	93.7	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: 55.466 ug/l

RT: 8.15 min Scan# 1052

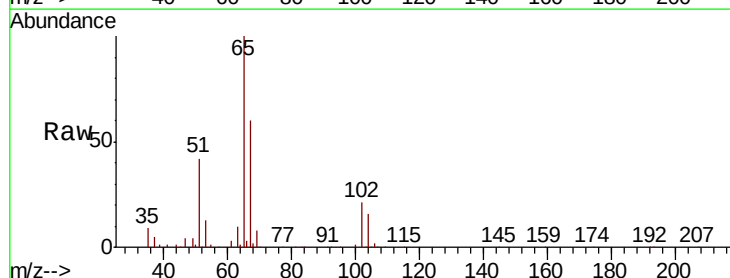
Delta R.T. -0.00 min

Lab File: VY000560.D

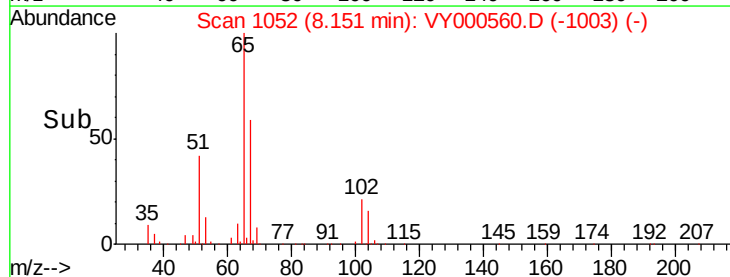
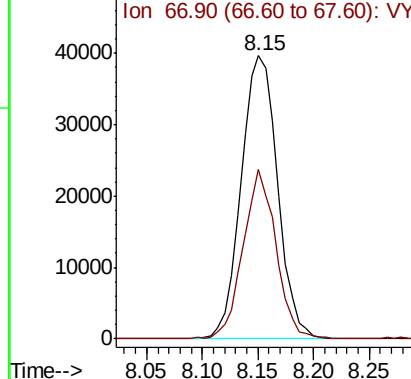
Acq: 06 Nov 2019 18:30

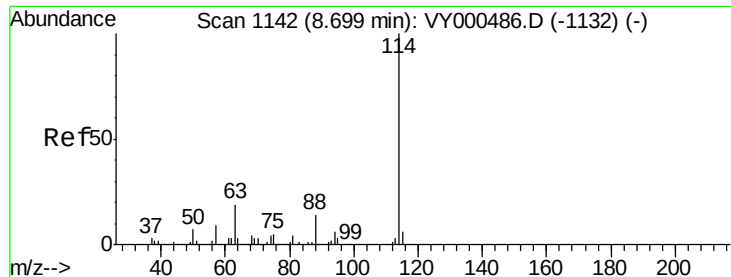
Tgt Ion: 65 Resp: 90066

Ion	Ratio	Lower	Upper
65	100		
67	54.1	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: VY000560.D

Acq: 06 Nov 2019 18:30

Instrument :

MSVOA_Y

ClientSampleId :

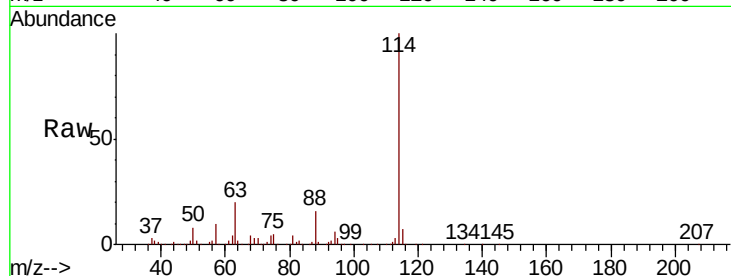
Tot Ion:114 Resp: 278868

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.0

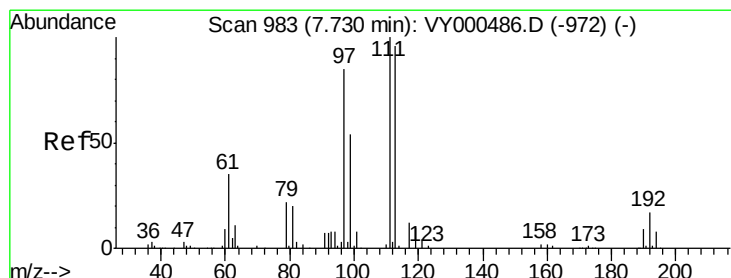
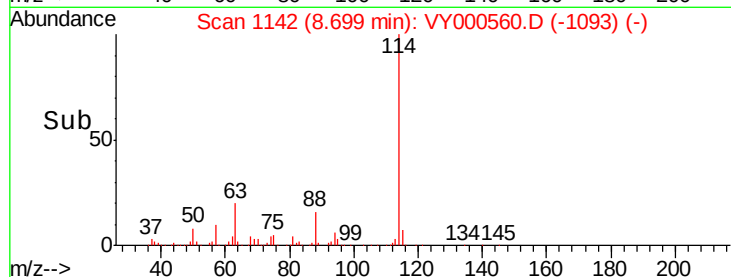
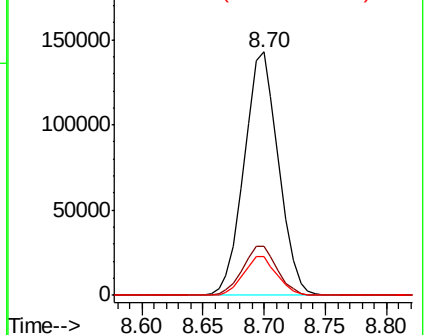
88 15.7 0.0 28.6



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: 50.770 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000560.D

Acq: 06 Nov 2019 18:30

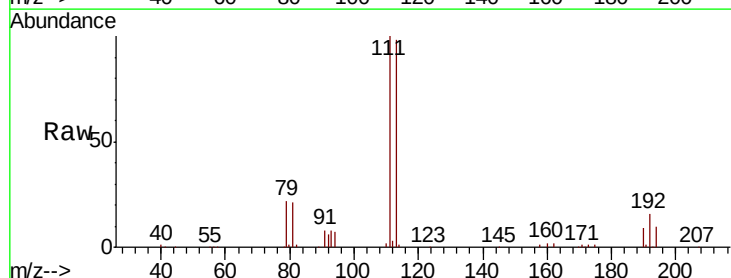
Tgt Ion:113 Resp: 83117

Ion Ratio Lower Upper

113 100

111 101.0 81.7 122.5

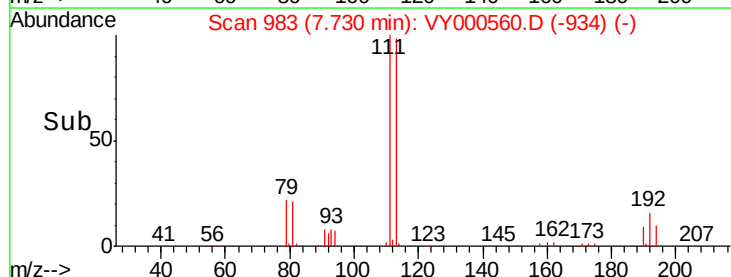
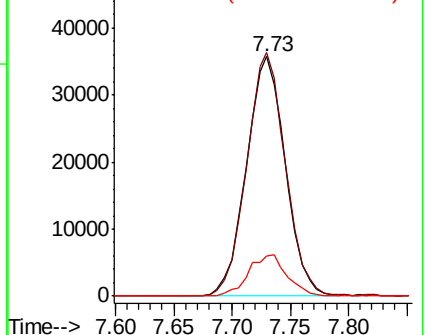
192 17.3 15.0 22.4

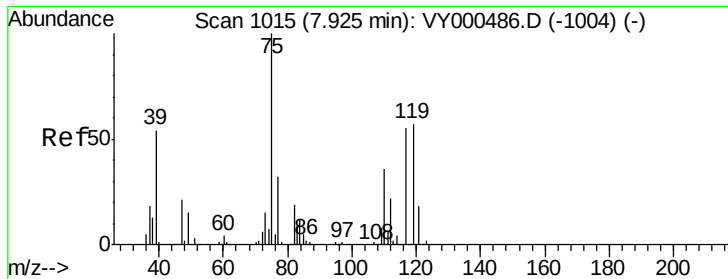


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

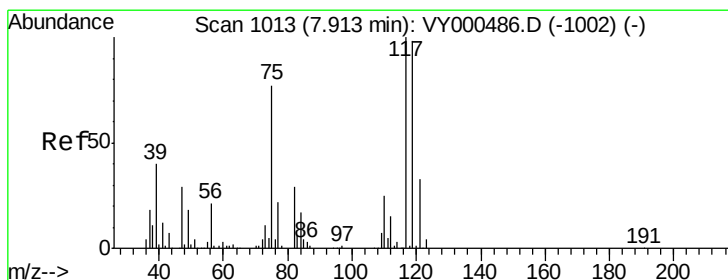
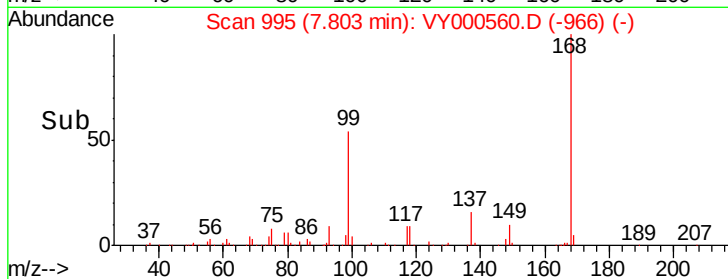
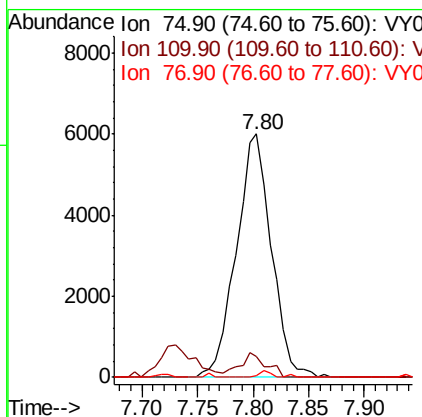
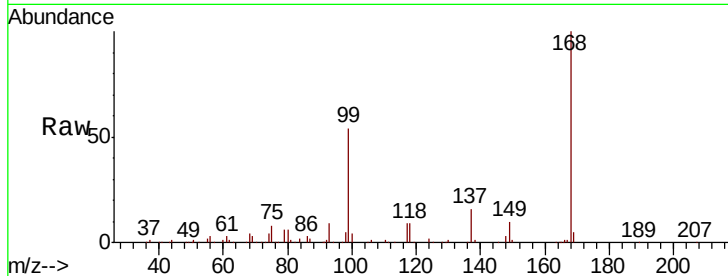




#36
 1,1-Dichloropropene
 Concen: 4.971 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000560.D
 Acq: 06 Nov 2019 18:30

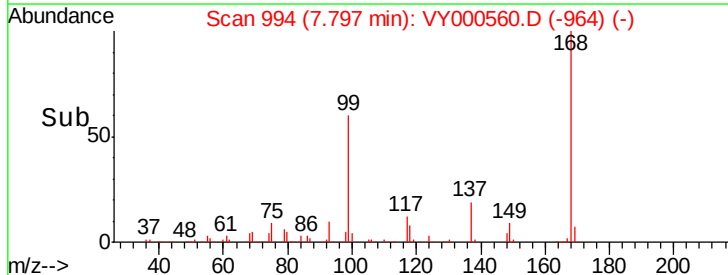
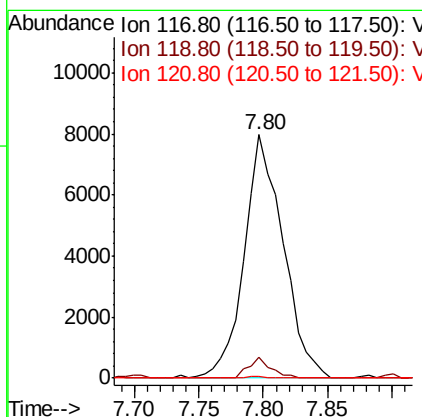
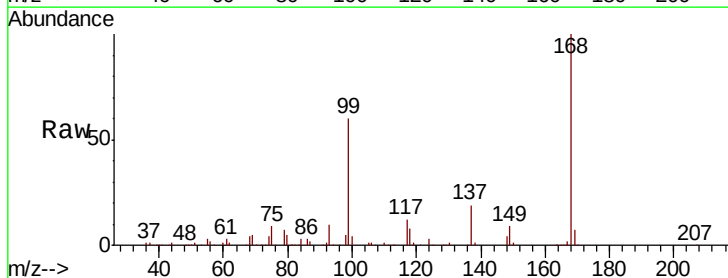
Instrument :
 MSVOA_Y
 ClientSampleId :

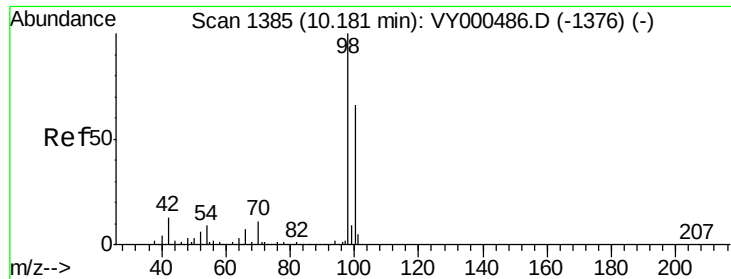
Tot Ion: 75 Resp: 13104
 Ion Ratio Lower Upper
 75 100
 110 7.5 18.1 54.1#
 77 0.9 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 6.563 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000560.D
 Acq: 06 Nov 2019 18:30

Tgt Ion: 117 Resp: 16649
 Ion Ratio Lower Upper
 117 100
 119 8.3 78.0 117.0#
 121 0.8 26.6 40.0#





#50

Toluene-d8

Concen: 53.919 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000560.D

Acq: 06 Nov 2019 18:30

Instrument :

MSVOA_Y

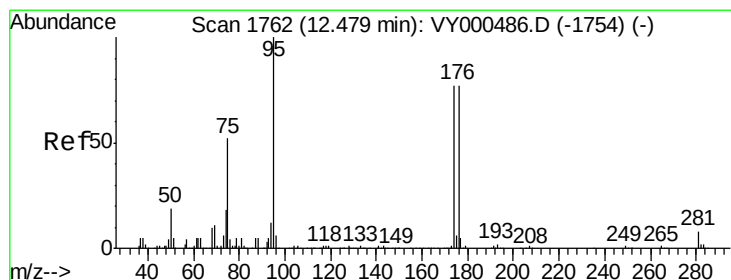
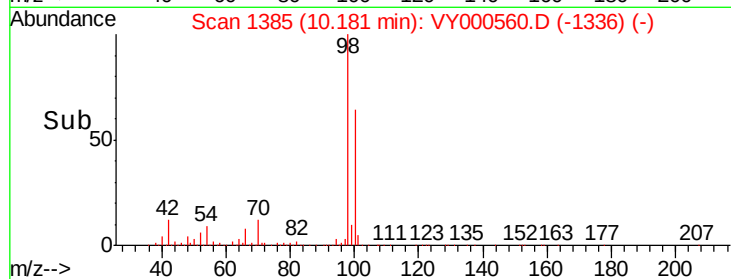
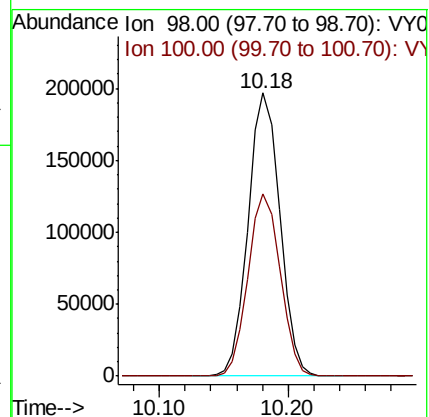
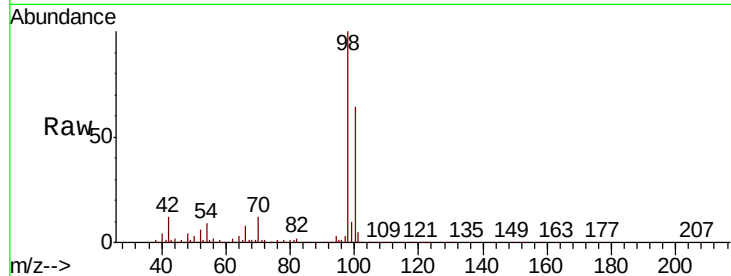
ClientSampled :

Tot Ion: 98 Resp: 334945

Ion Ratio Lower Upper

98 100

100 65.6 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 48.009 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000560.D

Acq: 06 Nov 2019 18:30

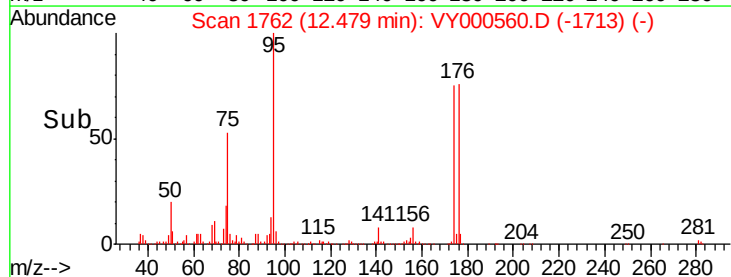
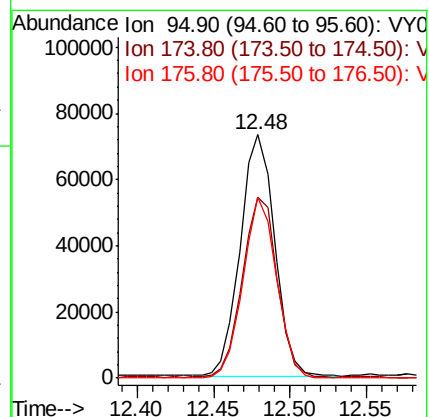
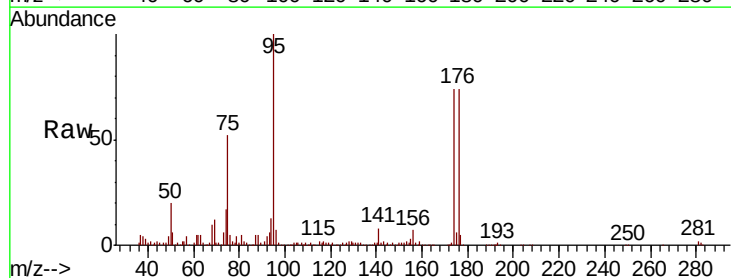
Tgt Ion: 95 Resp: 113536

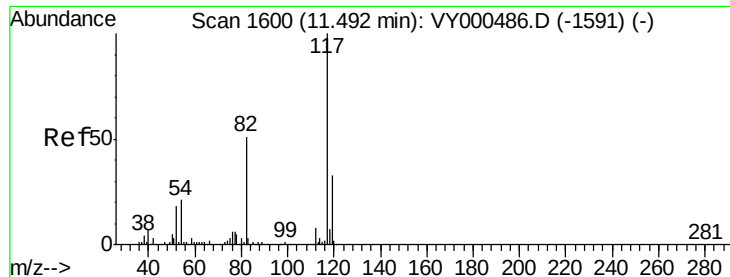
Ion Ratio Lower Upper

95 100

174 75.9 0.0 161.6

176 73.2 0.0 157.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY000560.D

Acq: 06 Nov 2019 18:30

Instrument :

MSVOA_Y

ClientSampleId :

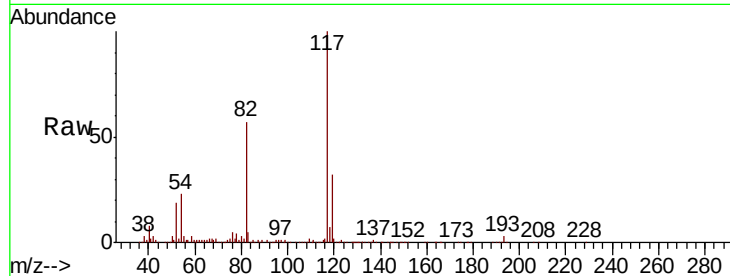
Tot Ion:117 Resp: 249734

Ion Ratio Lower Upper

117 100

82 56.0 40.8 61.2

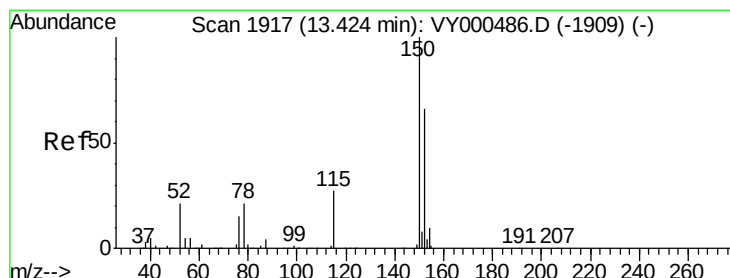
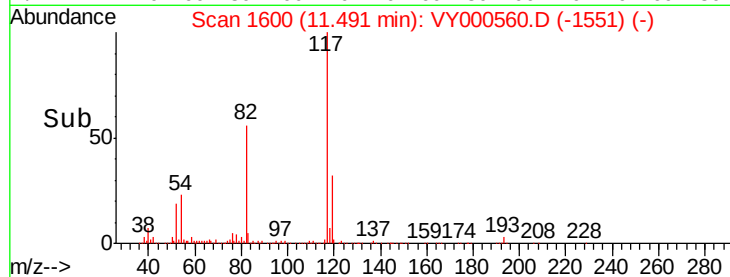
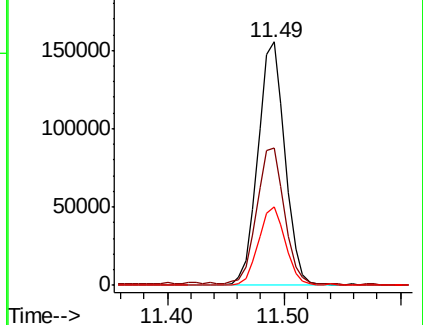
119 31.9 26.2 39.2



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: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000560.D

Acq: 06 Nov 2019 18:30

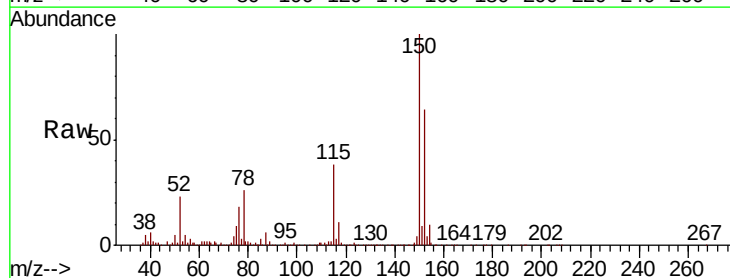
Tgt Ion:152 Resp: 108637

Ion Ratio Lower Upper

152 100

115 58.8 29.1 87.4

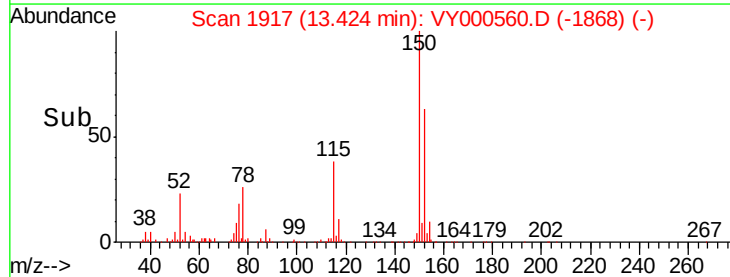
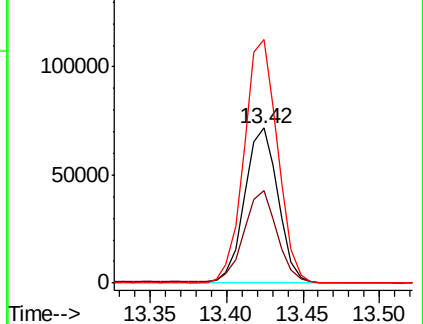
150 157.8 0.0 348.8

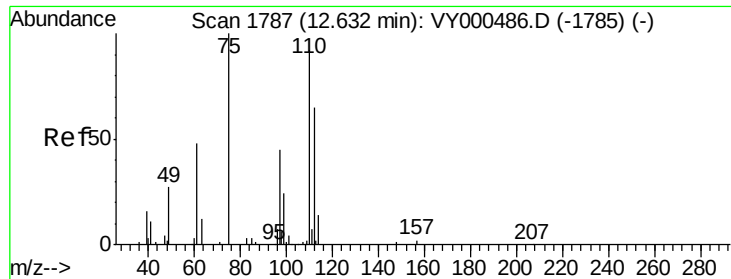


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

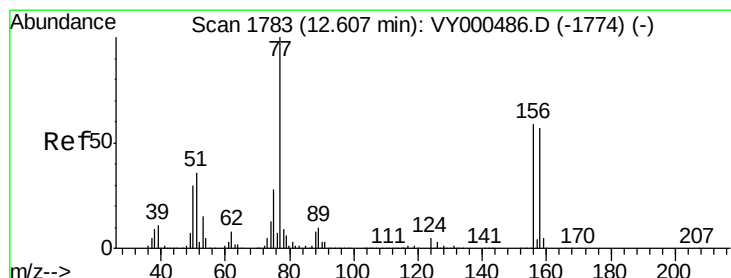
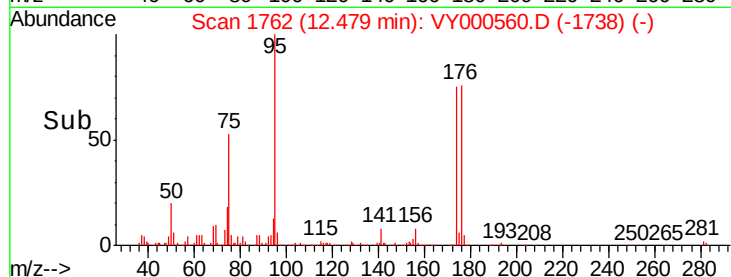
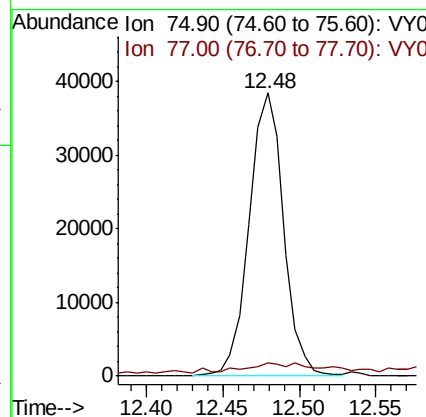
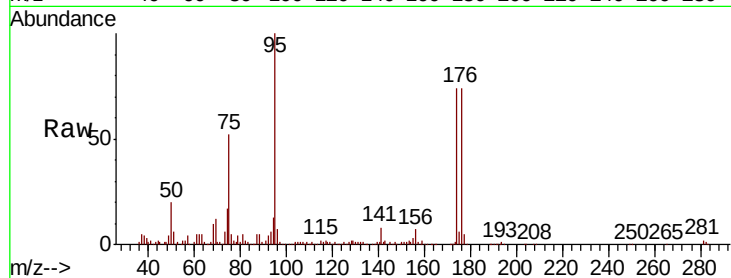




#76
 1,2,3-Trichloropropane
 Concen: 48.177 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY000560.D
 Acq: 06 Nov 2019 18:30

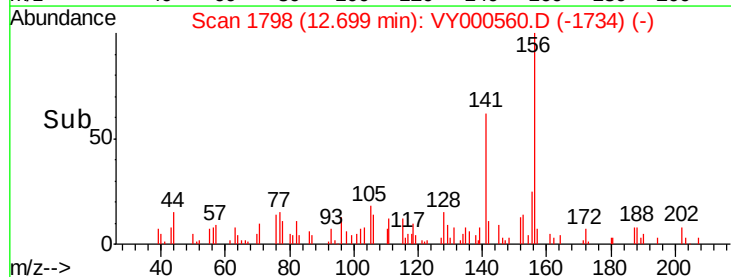
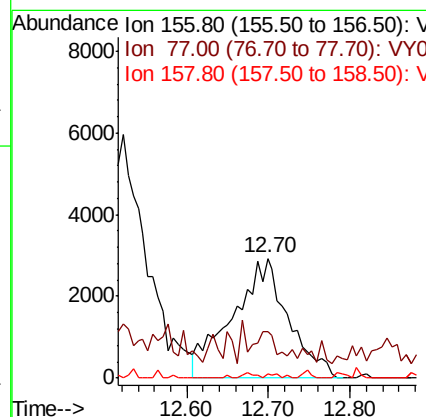
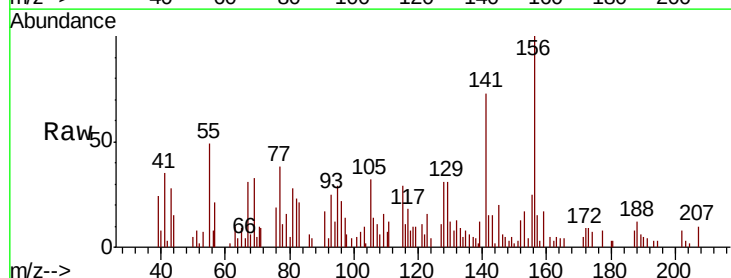
Instrument :
 MSVOA_Y
 ClientSampleId :

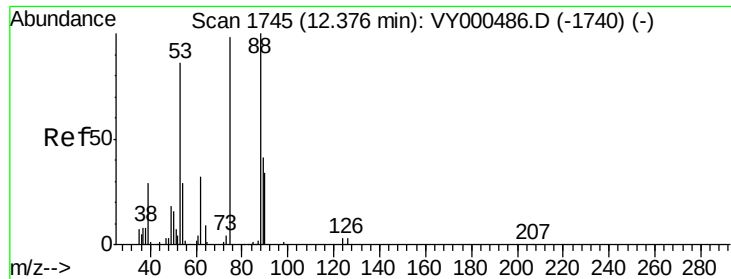
Tot Ion: 75 Resp: 59594
 Ion Ratio Lower Upper
 75 100
 77 4.6 0.0 0.0#



#77
 Bromobenzene
 Concen: 7.639 ug/l
 RT: 12.70 min Scan# 1798
 Delta R.T. 0.09 min
 Lab File: VY000560.D
 Acq: 06 Nov 2019 18:30

Tgt Ion: 156 Resp: 13908
 Ion Ratio Lower Upper
 156 100
 77 7.3 98.2 294.4#
 158 0.9 49.6 149.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 108.019 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000560.D

Acq: 06 Nov 2019 18:30

Instrument :

MSVOA_Y

ClientSampleId :

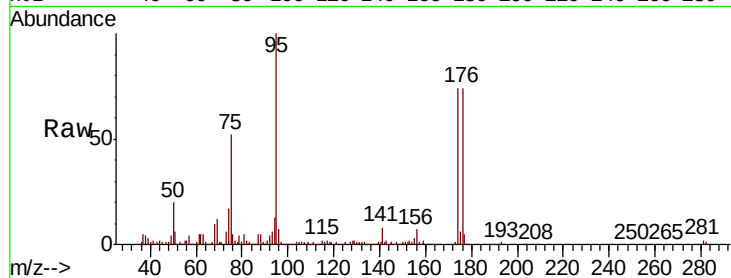
Tot Ion: 75 Resp: 59594

Ion Ratio Lower Upper

75 100

53 0.8 73.2 109.8#

89 1.6 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

