

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
 Data File : VY000588.D
 Acq On : 07 Nov 2019 18:03
 Operator : SY/MD
 Sample : K5675-06
 Misc : 6.77G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 03:49:01 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	229728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	412961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	347941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	137303	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	137787	57.96	ug/l	0.00
Spiked Amount			Recovery	=	115.92%	
35) Dibromofluoromethane	7.74	113	125113	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
50) Toluene-d8	10.18	98	479277	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.48	95	147560	42.14	ug/l	0.00
Spiked Amount			Recovery	=	84.28%	

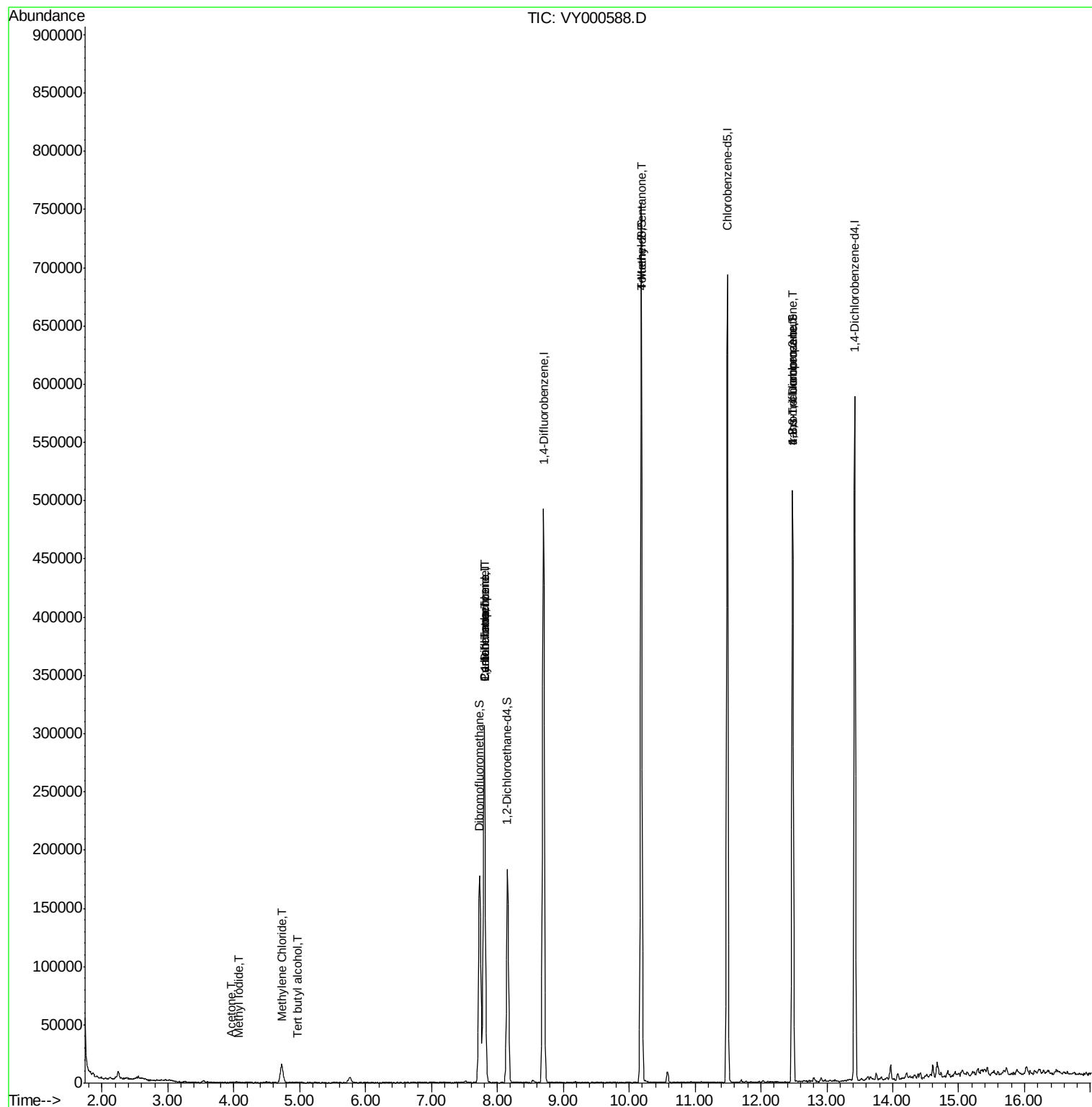
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.08	142	82	3.224	ug/l #	41
11) Tert butyl alcohol	4.96	59	351	1.517	ug/l #	72
16) Acetone	3.96	43	1103	1.683	ug/l #	71
20) Methylene Chloride	4.74	84	10698	3.810	ug/l #	83
31) Cyclohexane	7.80	56	5086	1.105	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	18780	4.811	ug/l #	51
38) Carbon Tetrachloride	7.81	117	24256	6.457	ug/l #	14
51) 4-Methyl-2-Pentanone	10.18	43	2325	1.004	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	83727	53.555	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	83727	120.078	ug/l #	13

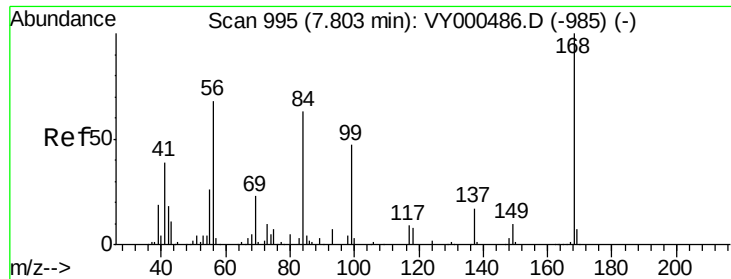
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000588.D

Acq: 07 Nov 2019 18:03

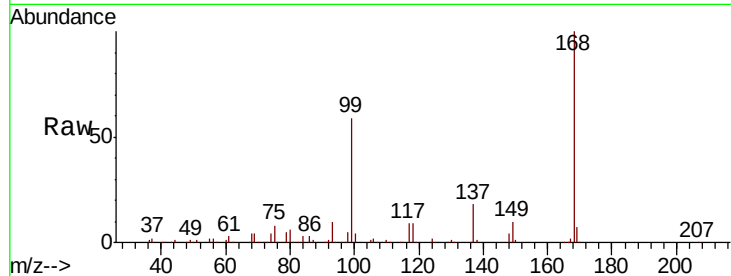
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 229728

Ion Ratio Lower Upper

168 100

99 58.9 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.80

100000

80000

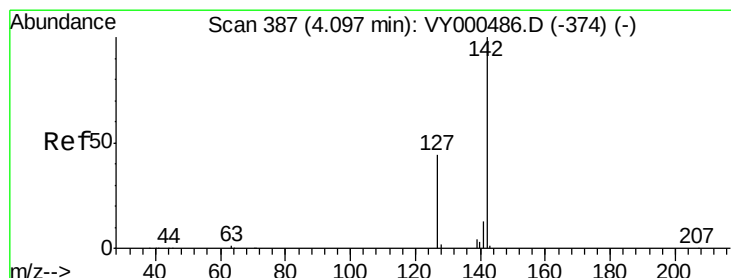
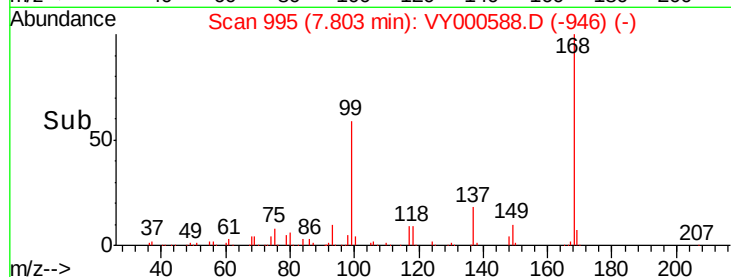
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 3.224 ug/l

RT: 4.08 min Scan# 384

Delta R.T. -0.02 min

Lab File: VY000588.D

Acq: 07 Nov 2019 18:03

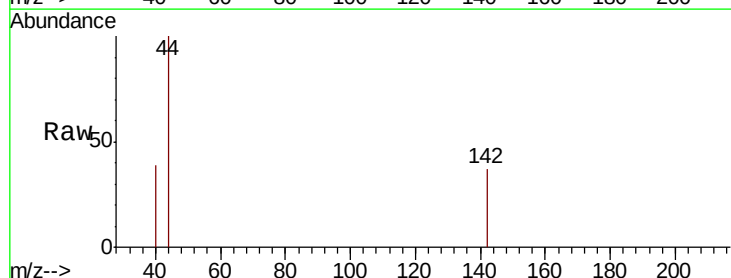
Tgt Ion:142 Resp: 82

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

141 0.0 10.9 16.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.08

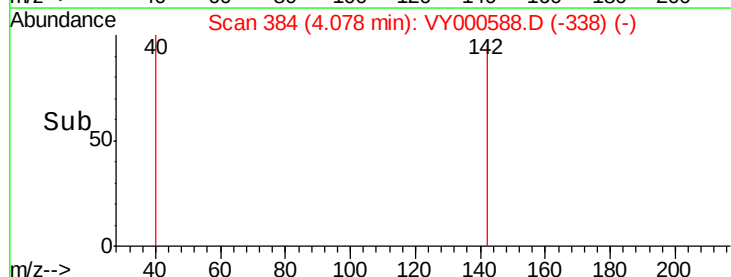
150

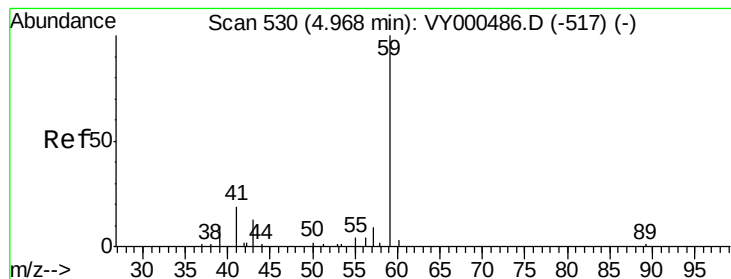
100

50

0

Time-->





#11

Tert butyl alcohol

Concen: 1.517 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY000588.D

Acq: 07 Nov 2019 18:03

Instrument :

MSVOA_Y

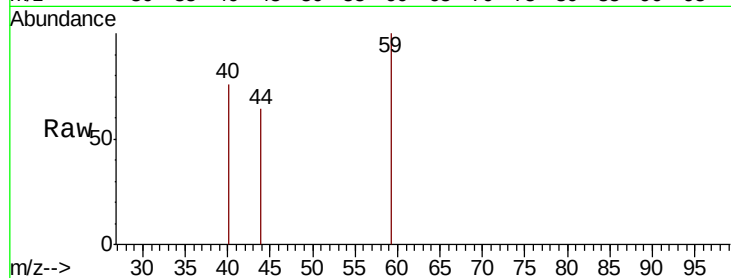
ClientSampleId :

Tot Ion: 59 Resp: 351

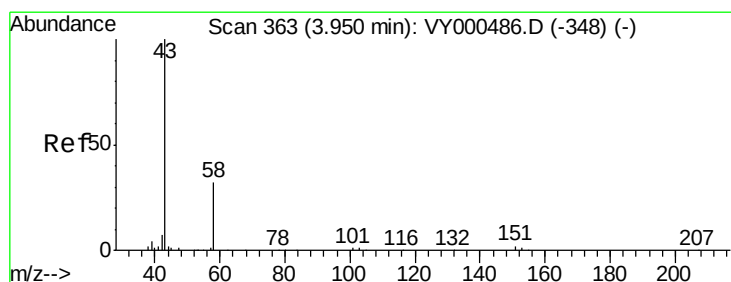
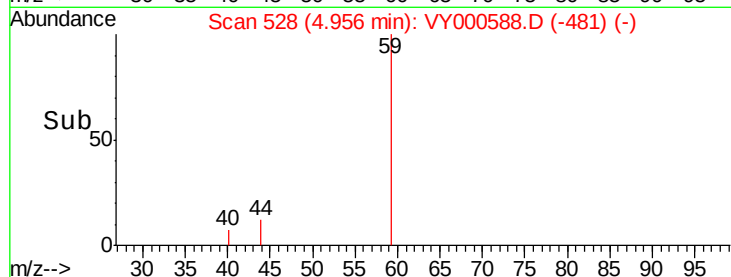
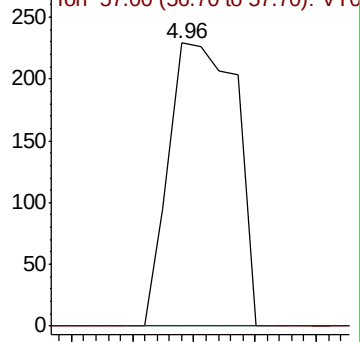
Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VY000588.D (-481) (-)



#16

Acetone

Concen: 1.683 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000588.D

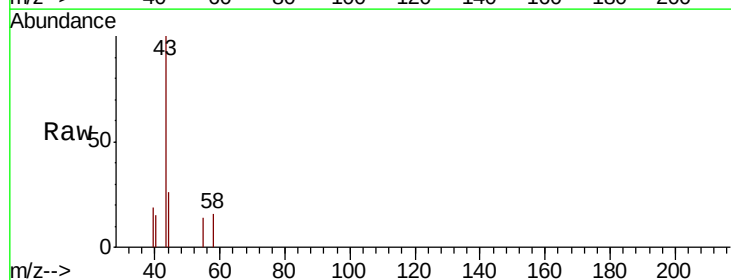
Acq: 07 Nov 2019 18:03

Tgt Ion: 43 Resp: 1103

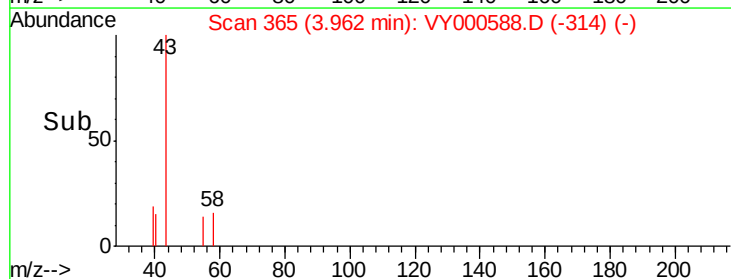
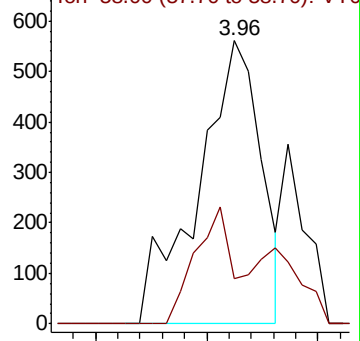
Ion Ratio Lower Upper

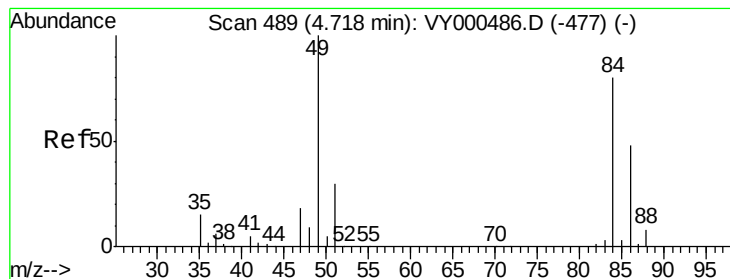
43 100

58 15.9 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY000588.D (-314) (-)





#20

Methylene Chloride

Concen: 3.810 ug/l

RT: 4.74 min Scan# 492

Delta R.T. 0.02 min

Lab File: VY000588.D

Acq: 07 Nov 2019 18:03

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 84 Resp: 10698

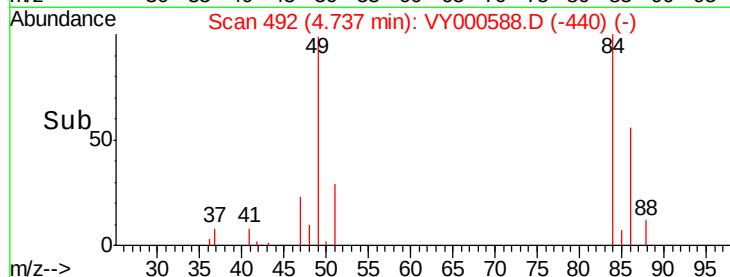
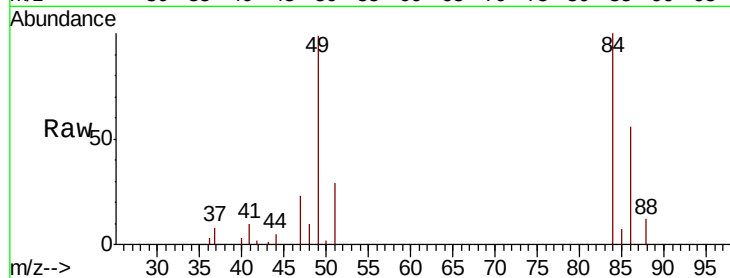
Ion Ratio Lower Upper

84 100

49 98.9 100.2 150.4#

51 28.6 29.6 44.4#

86 55.6 48.3 72.5

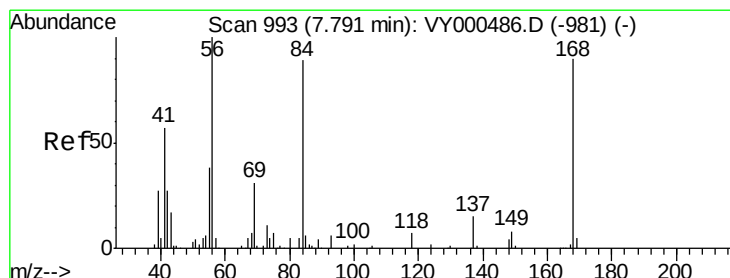
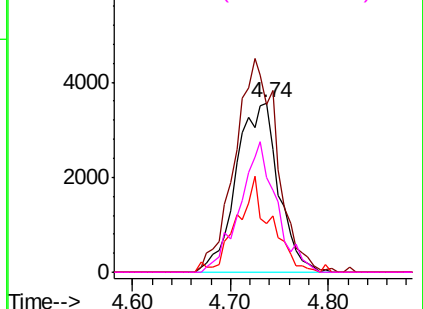


Abundance Ion 83.90 (83.60 to 84.60): VY0

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



#31

Cyclohexane

Concen: 1.105 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000588.D

Acq: 07 Nov 2019 18:03

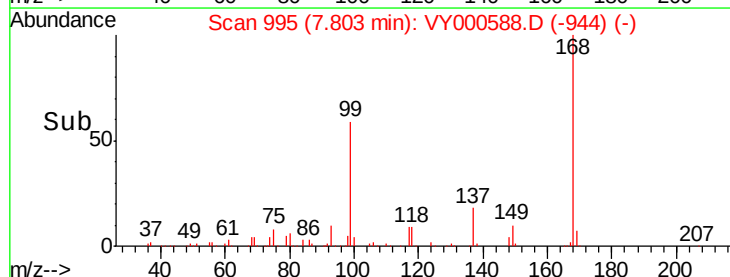
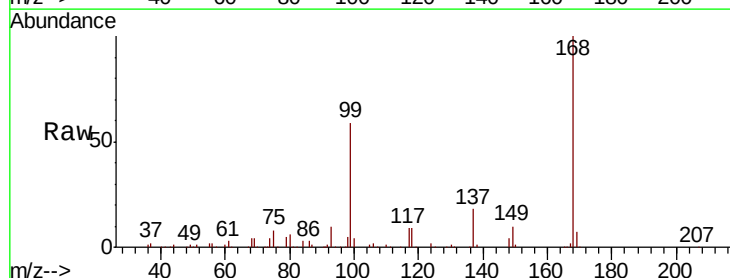
Tgt Ion: 56 Resp: 5086

Ion Ratio Lower Upper

56 100

69 181.4 25.0 37.6#

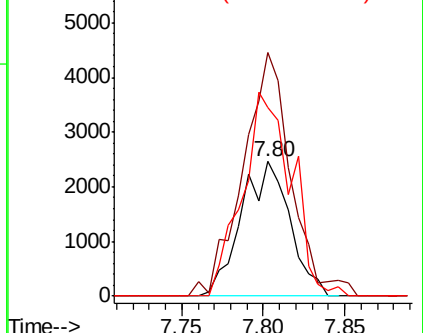
84 140.1 71.4 107.2#

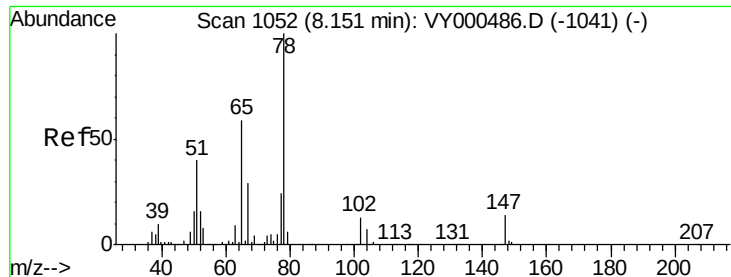


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

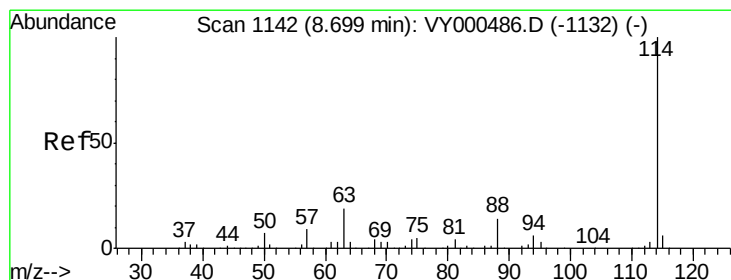
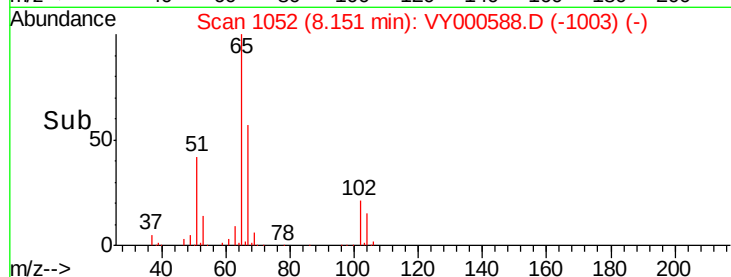
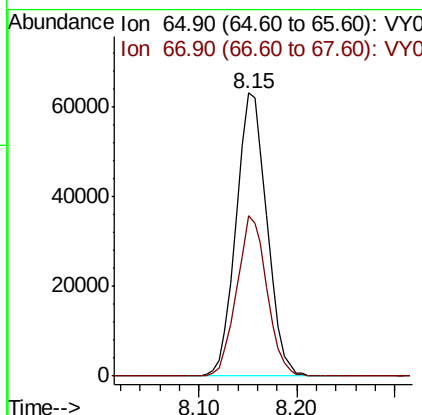
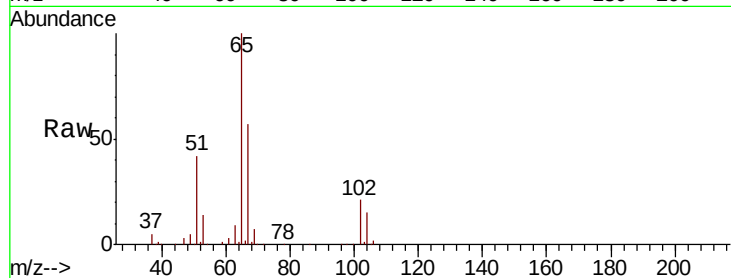




#33
 1,2-Dichloroethane-d4
 Concen: 57.957 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000588.D
 Acq: 07 Nov 2019 18:03

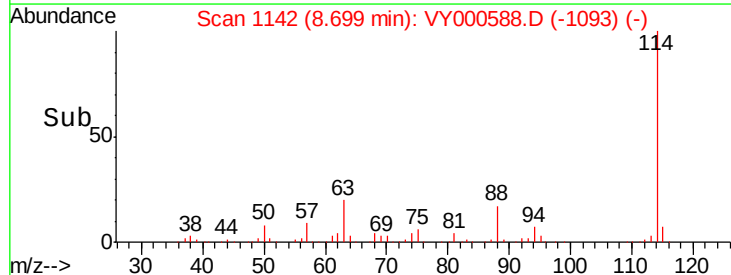
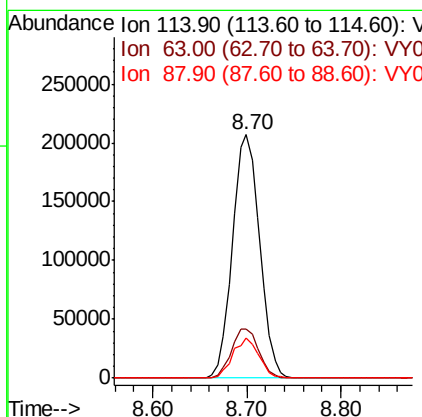
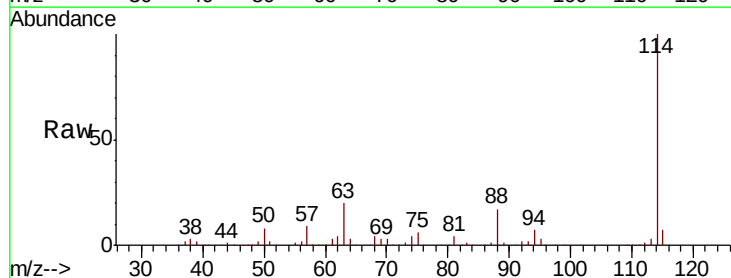
Instrument :
 MSVOA_Y
 ClientSampleId :

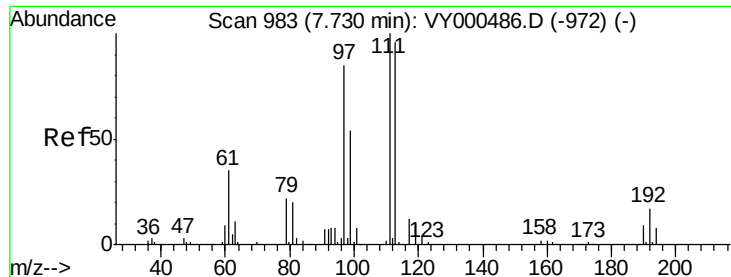
Tot Ion: 65 Resp: 137787
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000588.D
 Acq: 07 Nov 2019 18:03

Tgt Ion: 114 Resp: 412961
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 38.0
 88 16.5 0.0 28.6

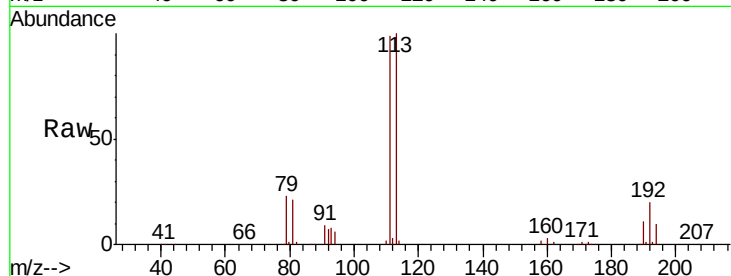




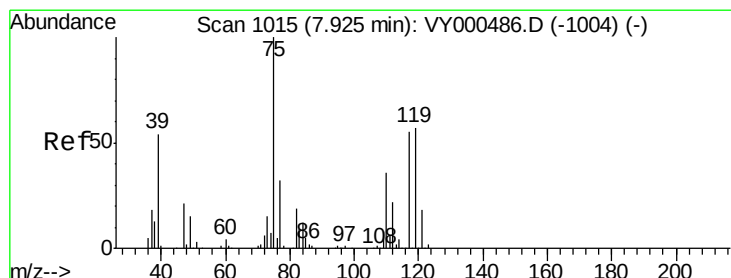
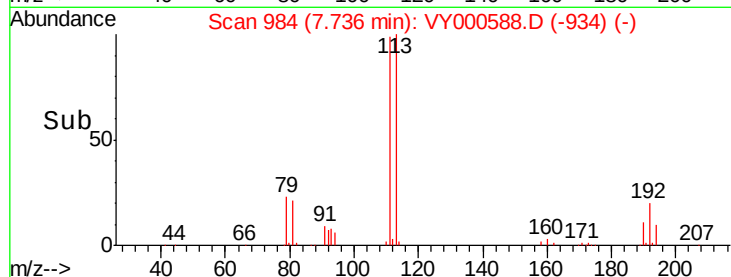
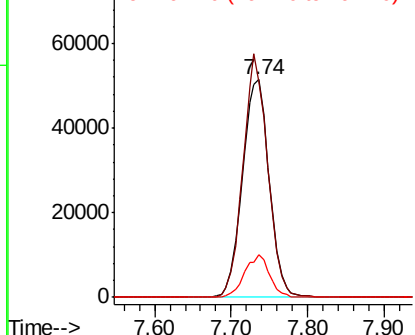
#35
 Dibromofluoromethane
 Concen: 51.607 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.01 min
 Lab File: VY000588.D
 Acq: 07 Nov 2019 18:03

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 125113
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.7 122.5
 192 18.1 15.0 22.4

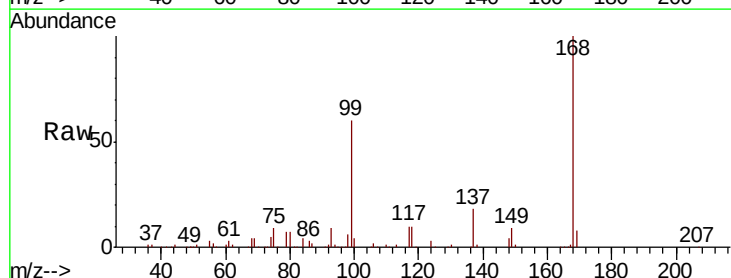


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

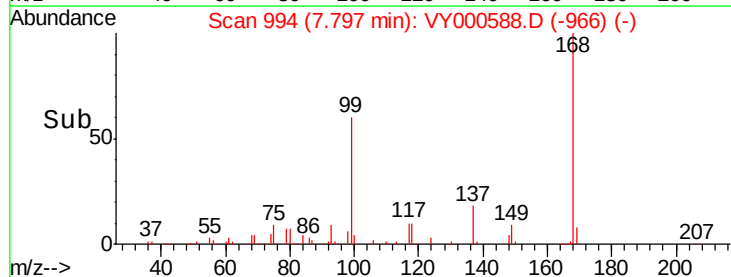
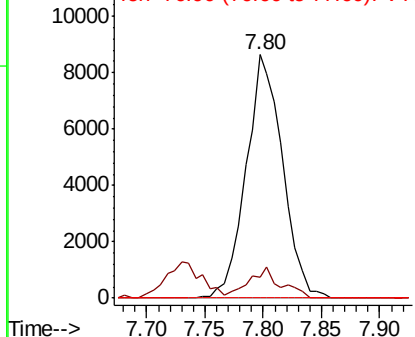


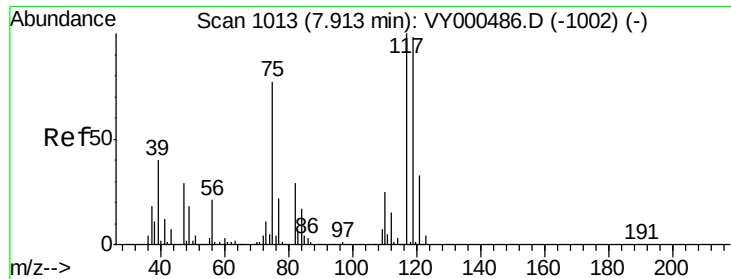
#36
 1,1-Dichloropropene
 Concen: 4.811 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000588.D
 Acq: 07 Nov 2019 18:03

Tgt Ion: 75 Resp: 18780
 Ion Ratio Lower Upper
 75 100
 110 10.9 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): V
 Ion 76.90 (76.60 to 77.60): VY0

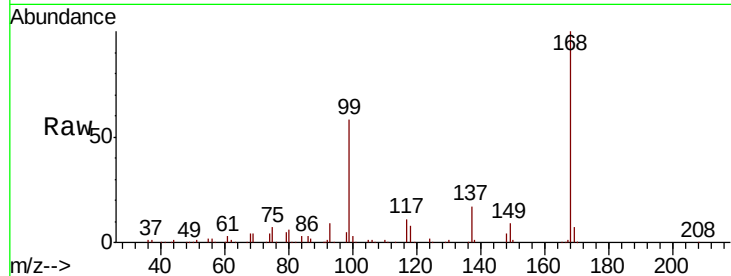




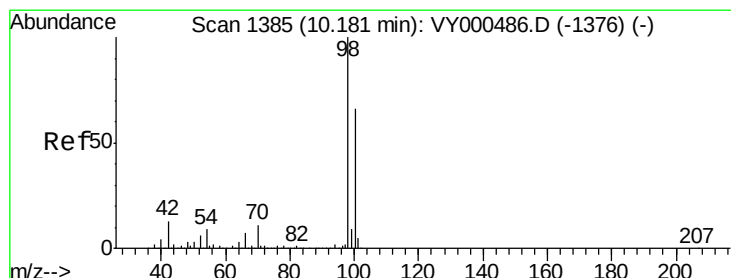
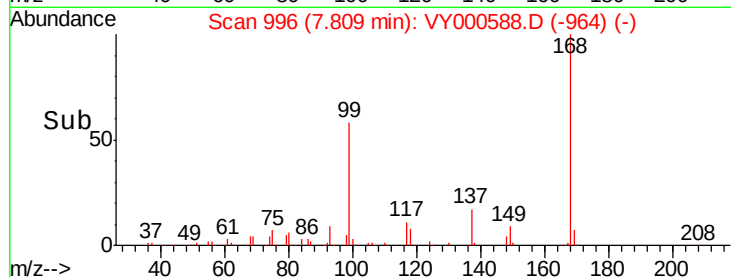
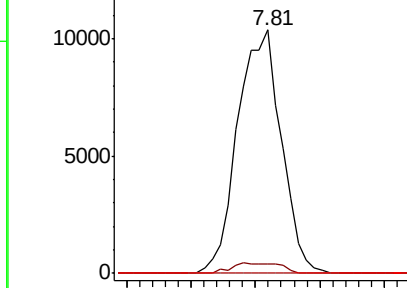
#38
Carbon Tetrachloride
Concen: 6.457 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.10 min
Lab File: VY000588.D
Acq: 07 Nov 2019 18:03

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 24256
Ion Ratio Lower Upper
117 100
119 3.9 78.0 117.0#
121 0.0 26.6 40.0#

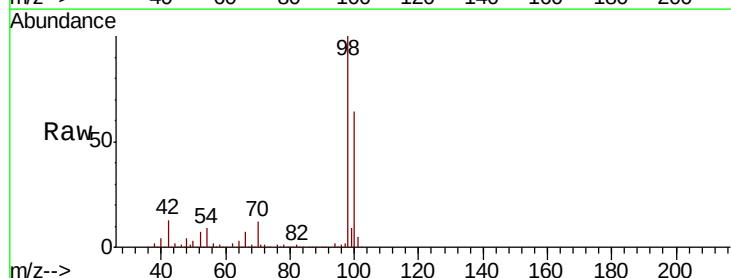


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

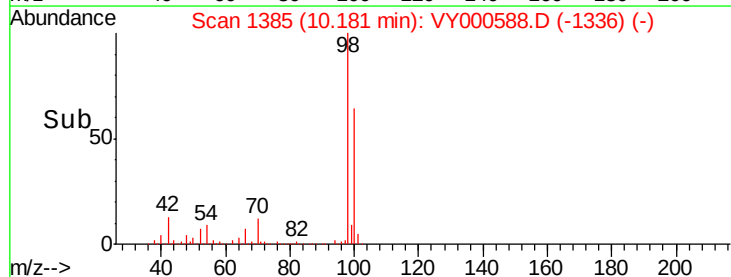
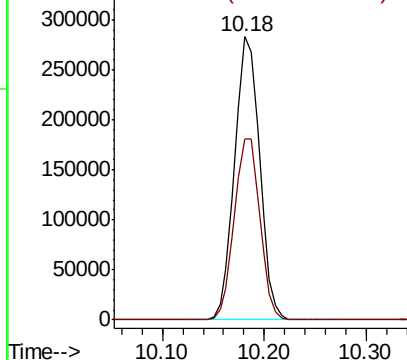


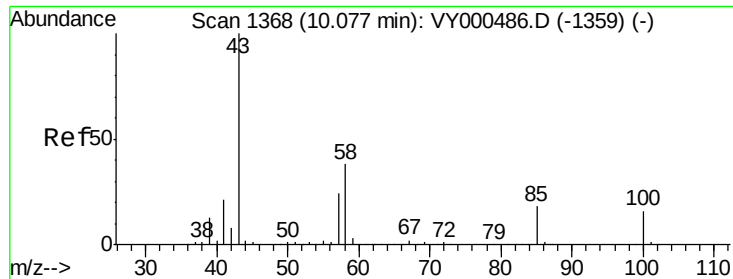
#50
Toluene-d8
Concen: 52.100 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000588.D
Acq: 07 Nov 2019 18:03

Tgt Ion: 98 Resp: 479277
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3



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

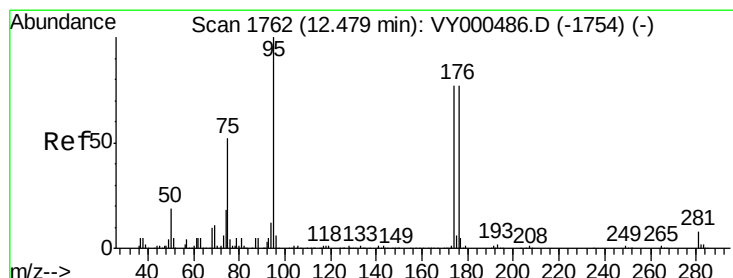
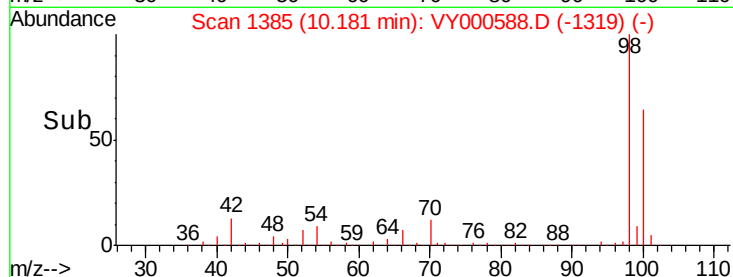
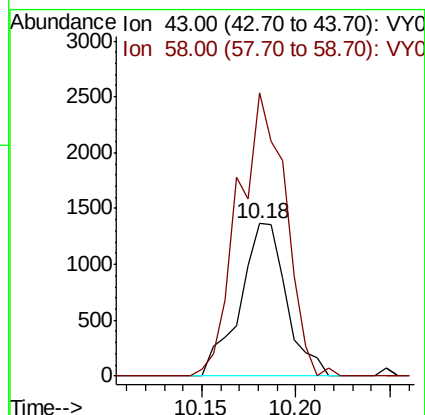
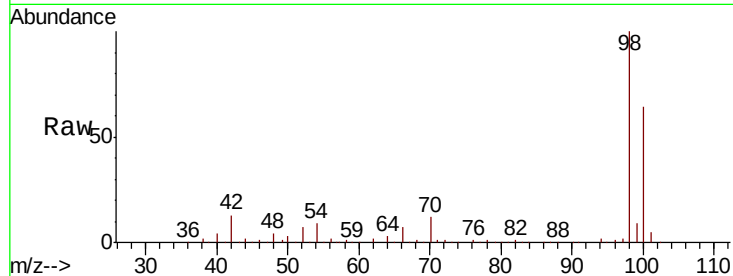




#51
4-Methyl-2-Pentanone
Concen: 1.004 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.10 min
Lab File: VY000588.D
Acq: 07 Nov 2019 18:03

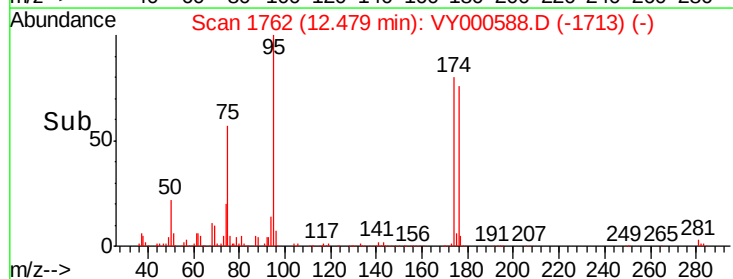
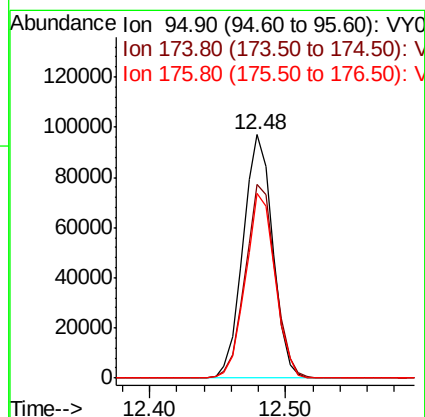
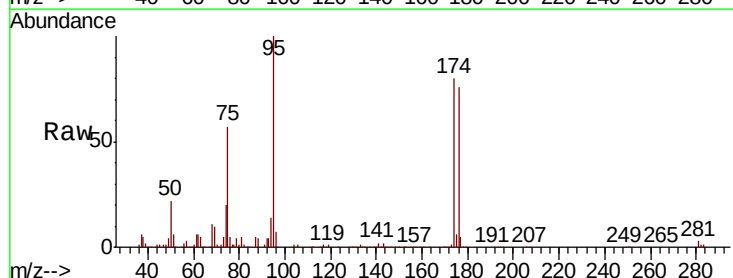
Instrument :
MSVOA_Y
ClientSampleId :

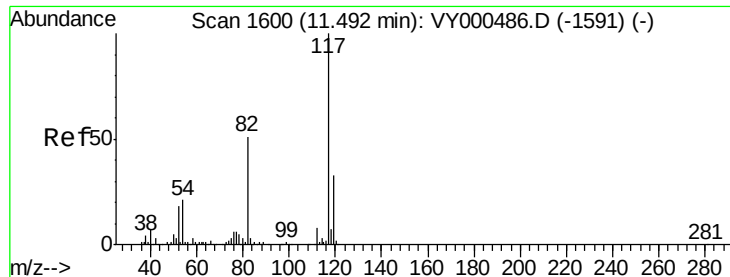
Tot Ion: 43 Resp: 2325
Ion Ratio Lower Upper
43 100
58 190.6 30.2 45.4#



#62
4-Bromofluorobenzene
Concen: 42.135 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000588.D
Acq: 07 Nov 2019 18:03

Tgt Ion: 95 Resp: 147560
Ion Ratio Lower Upper
95 100
174 80.8 0.0 161.6
176 76.0 0.0 157.8

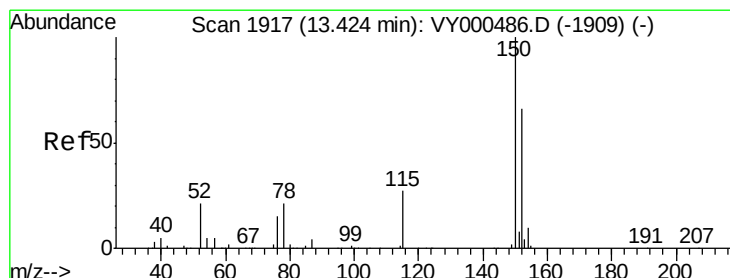
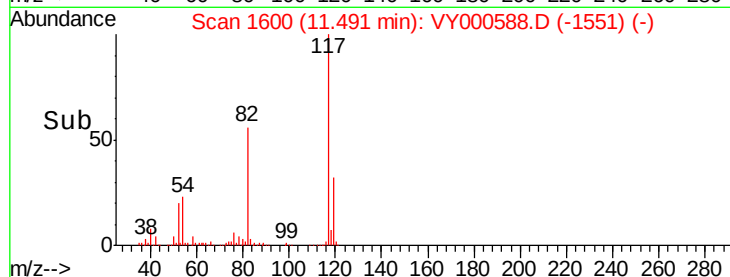
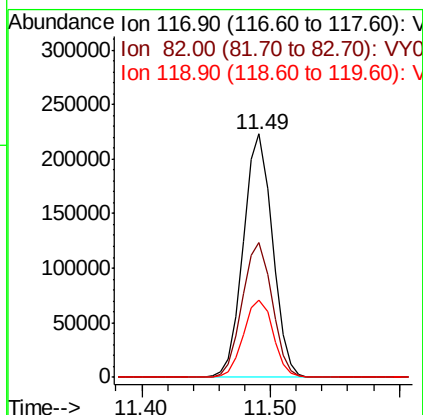
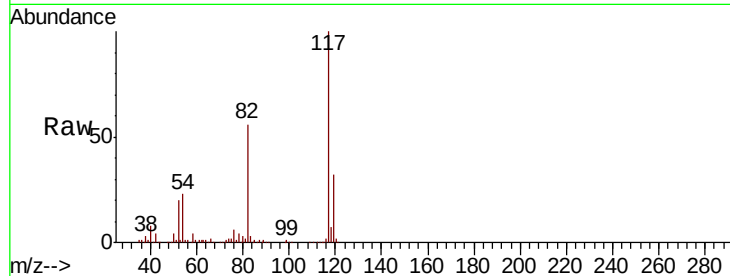




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000588.D
Acq: 07 Nov 2019 18:03

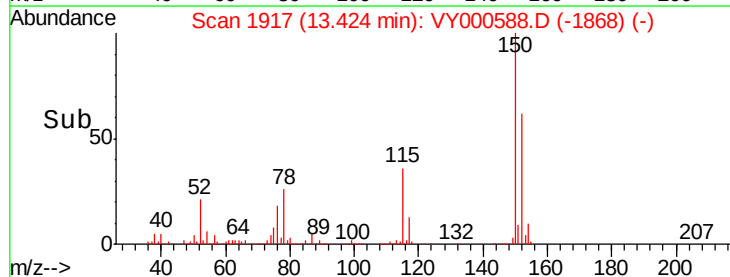
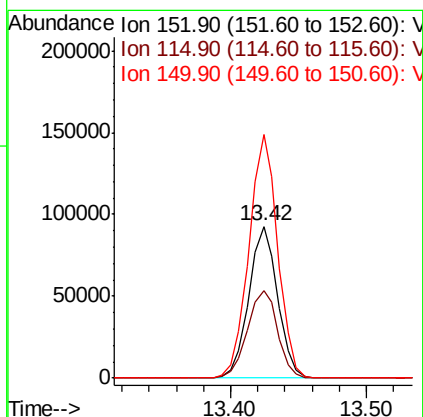
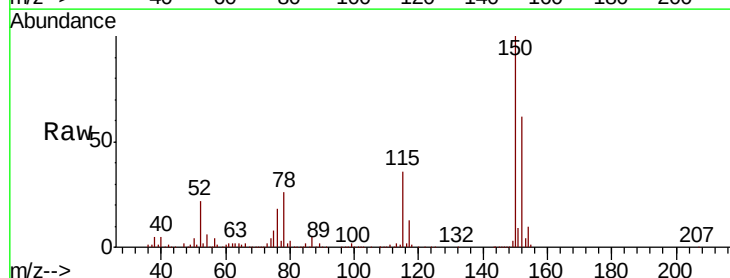
Instrument :
MSVOA_Y
ClientSampled :

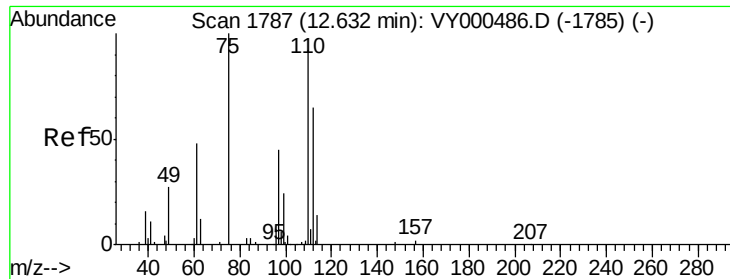
Tot Ion:117 Resp: 347941
Ion Ratio Lower Upper
117 100
82 55.5 40.8 61.2
119 32.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000588.D
Acq: 07 Nov 2019 18:03

Tgt Ion:152 Resp: 137303
Ion Ratio Lower Upper
152 100
115 60.4 29.1 87.4
150 160.4 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 53.555 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000588.D

Acq: 07 Nov 2019 18:03

Instrument :

MSVOA_Y

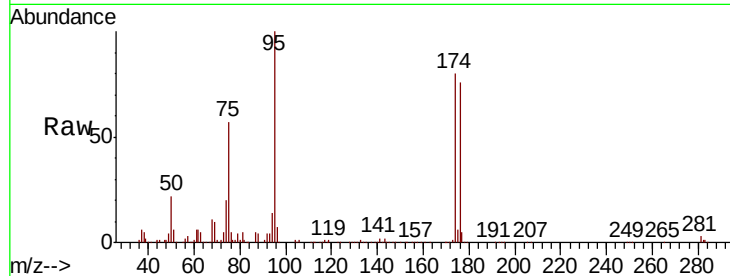
ClientSampleId :

Tot Ion: 75 Resp: 83727

Ion Ratio Lower Upper

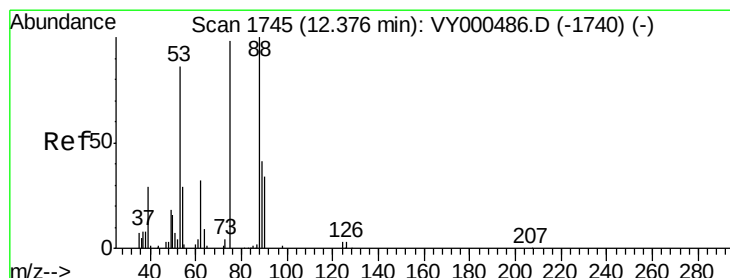
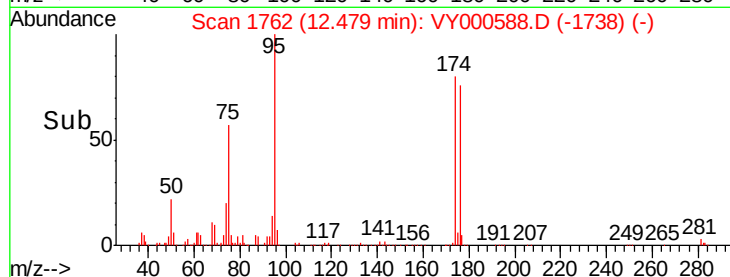
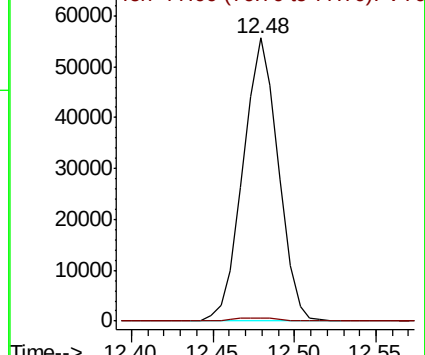
75 100

77 1.3 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: 120.078 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000588.D

Acq: 07 Nov 2019 18:03

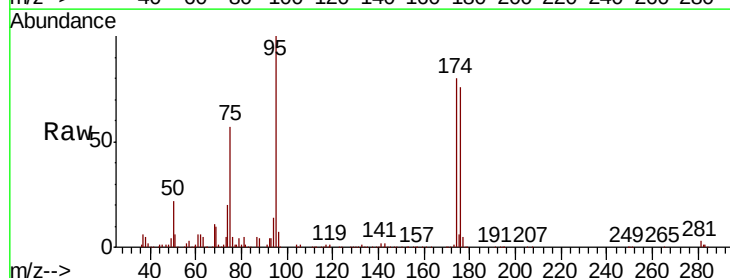
Tgt Ion: 75 Resp: 83727

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.0 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

