

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
 Data File : VY000586.D
 Acq On : 07 Nov 2019 17:18
 Operator : SY/MD
 Sample : K5668-01
 Misc : 6.70G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 03:48:36 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	237537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	436651	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	364412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	131149	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	146883	59.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.50%	
35) Dibromofluoromethane	7.73	113	129764	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
50) Toluene-d8	10.18	98	493559	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.48	95	156933	42.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.76%	

Target Compounds

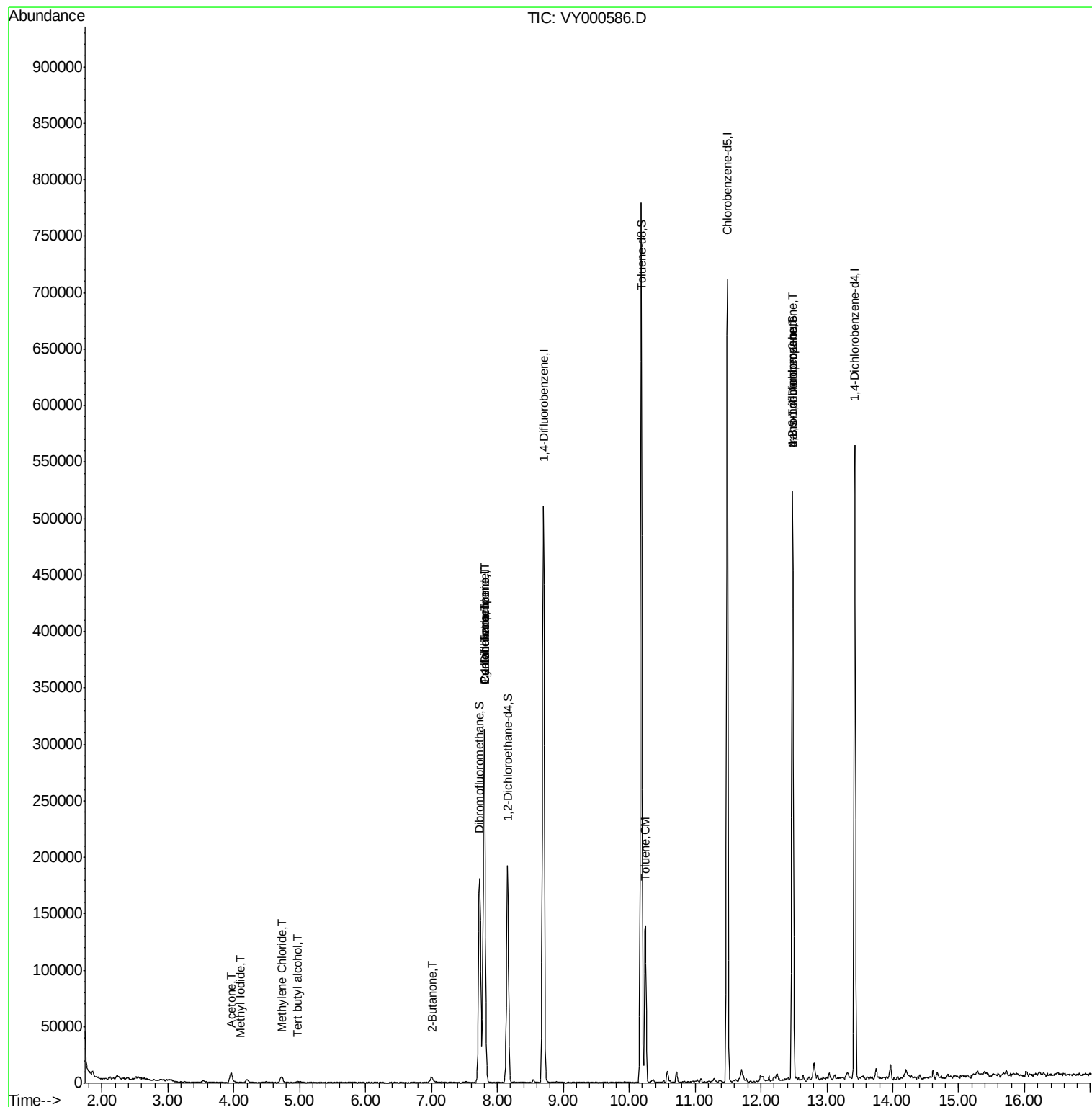
					Qvalue	
10) Methyl Iodide	4.10	142	80	3.223	ug/l #	71
11) Tert butyl alcohol	4.96	59	2195	9.173	ug/l #	78
16) Acetone	3.96	43	15717	23.198	ug/l	98
20) Methylene Chloride	4.72	84	3894	1.341	ug/l #	64
25) 2-Butanone	7.02	43	2241	2.073	ug/l #	76
31) Cyclohexane	7.80	56	5443	1.144	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	19429	4.707	ug/l #	50
38) Carbon Tetrachloride	7.80	117	23701	5.967	ug/l #	16
52) Toluene	10.25	92	56291	7.357	ug/l	98
76) 1,2,3-Trichloropropane	12.48	75	85548	57.287	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	85548	128.446	ug/l #	13

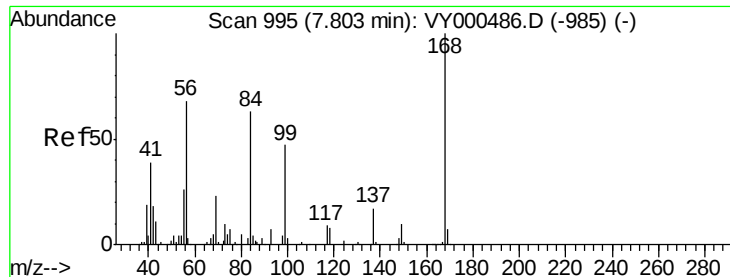
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000586.D

Acq: 07 Nov 2019 17:18

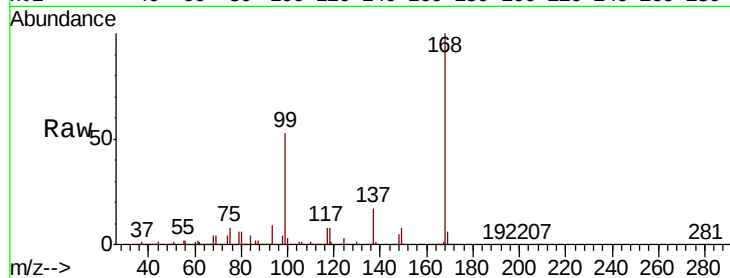
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 237537

Ion Ratio Lower Upper

168 100

99 53.3 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

120000

100000

80000

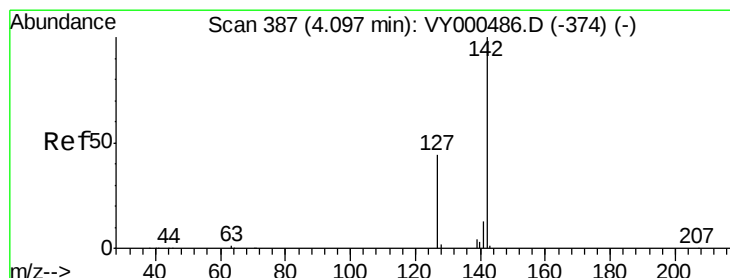
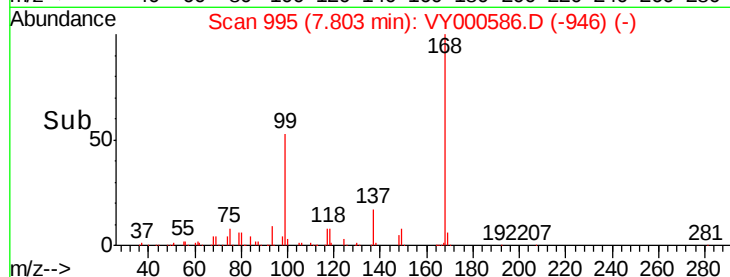
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 3.223 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000586.D

Acq: 07 Nov 2019 17:18

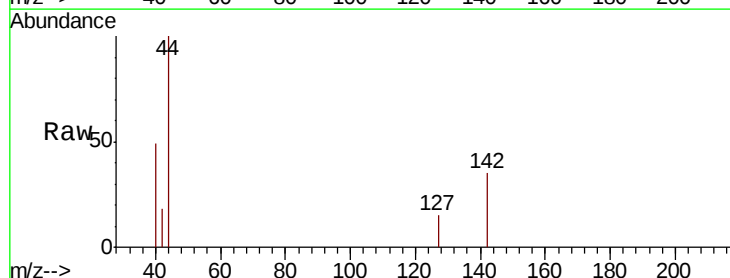
Tgt Ion:142 Resp: 80

Ion Ratio Lower Upper

142 100

127 25.0 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

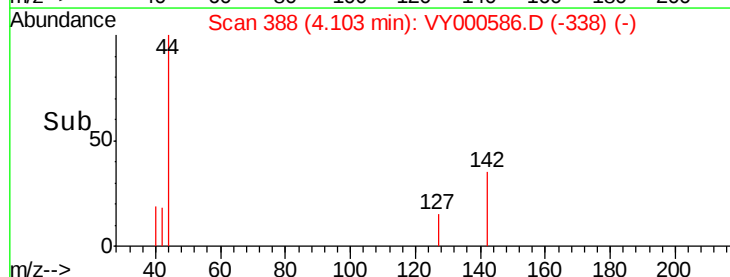
150

100

50

0

Time-->



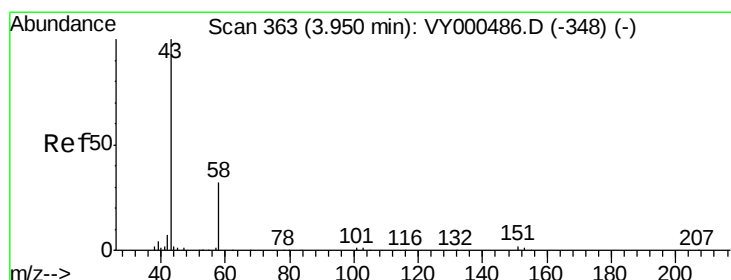
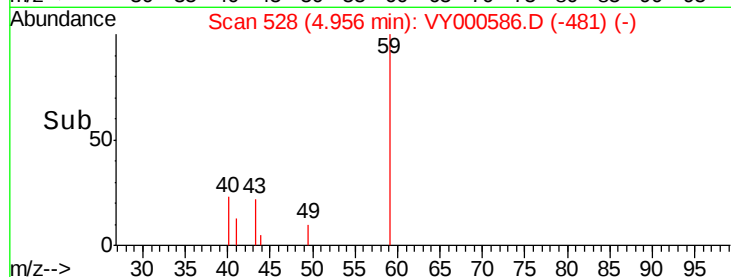
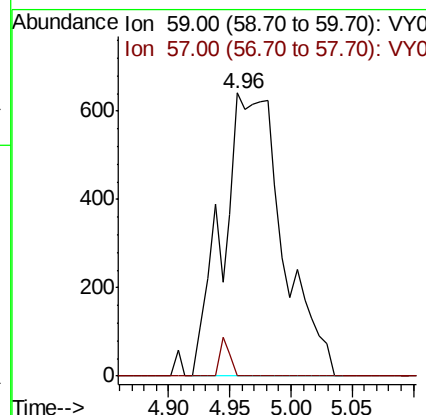
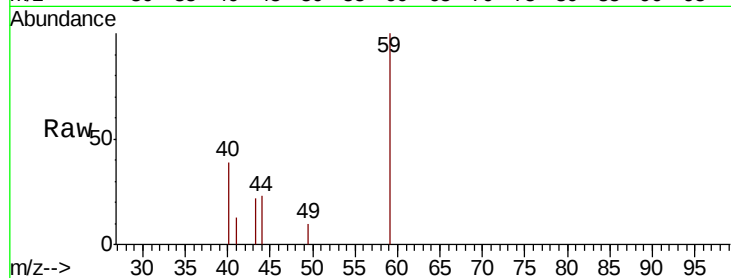


#11

Tert butyl alcohol
 Concen: 9.173 ug/l
 RT: 4.96 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VY000586.D
 Acq: 07 Nov 2019 17:18

Instrument :
 MSVOA_Y
 ClientSampled :

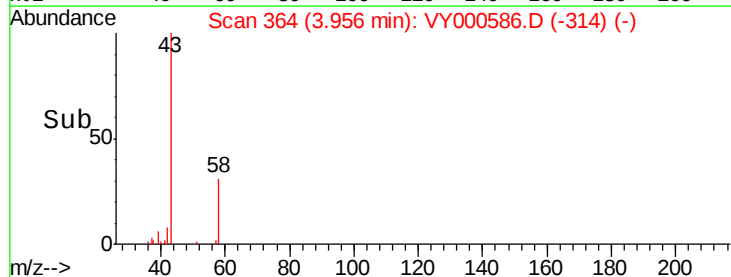
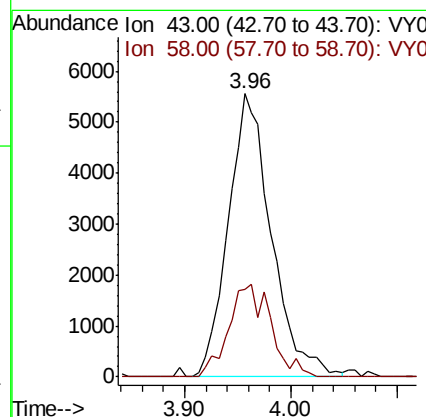
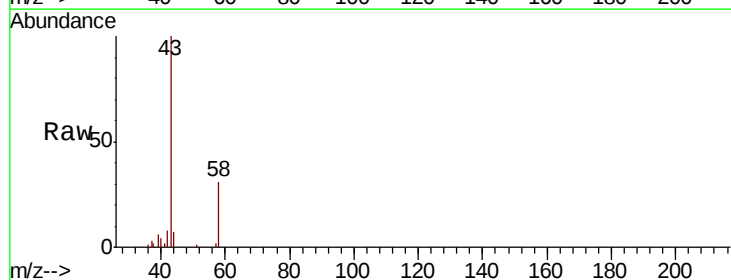
Tot Ion: 59 Resp: 2195
 Ion Ratio Lower Upper
 59 100
 57 2.3 8.6 12.8#

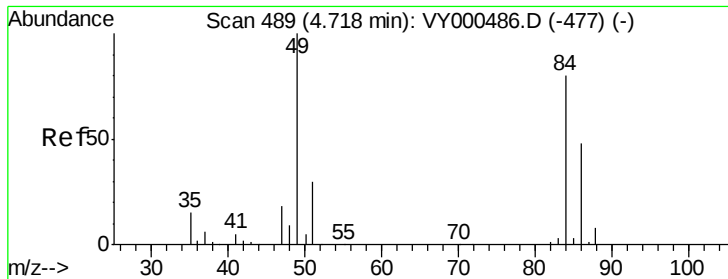


#16

Acetone
 Concen: 23.198 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VY000586.D
 Acq: 07 Nov 2019 17:18

Tgt Ion: 43 Resp: 15717
 Ion Ratio Lower Upper
 43 100
 58 31.1 25.8 38.6

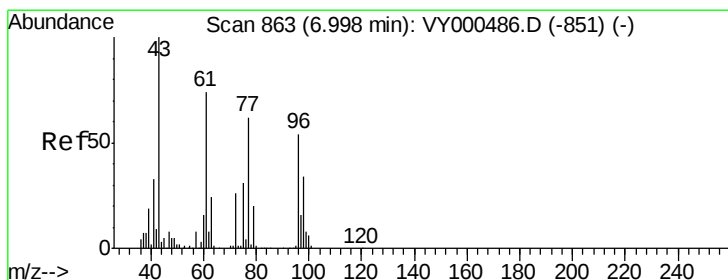
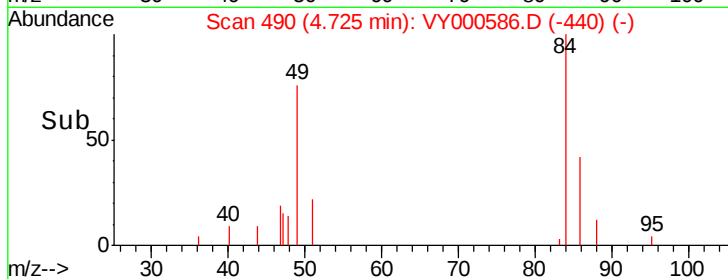
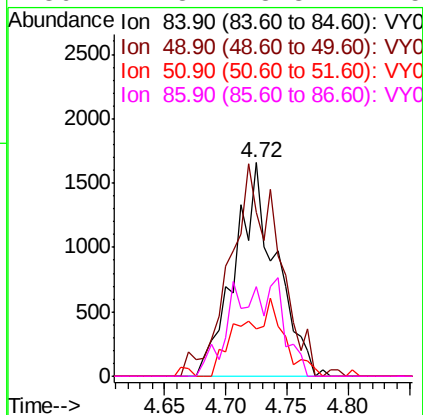
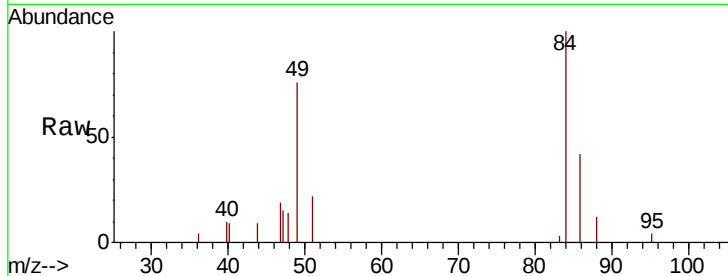




#20
Methvlene Chloride
Concen: 1.341 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000586.D
Acq: 07 Nov 2019 17:18

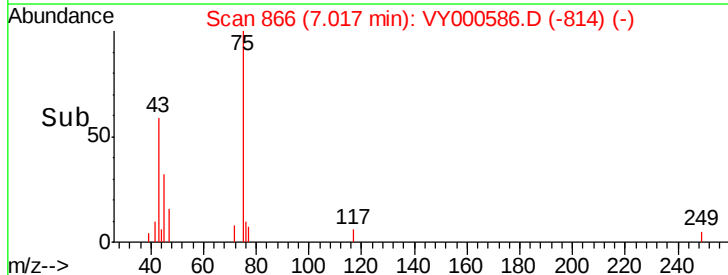
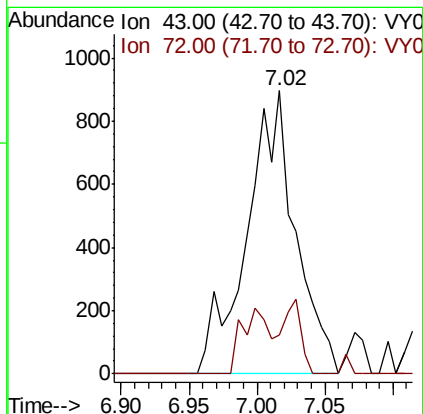
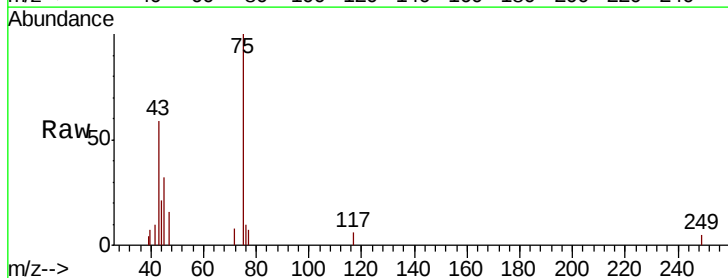
Instrument :
MSVOA_Y
ClientSampleId :

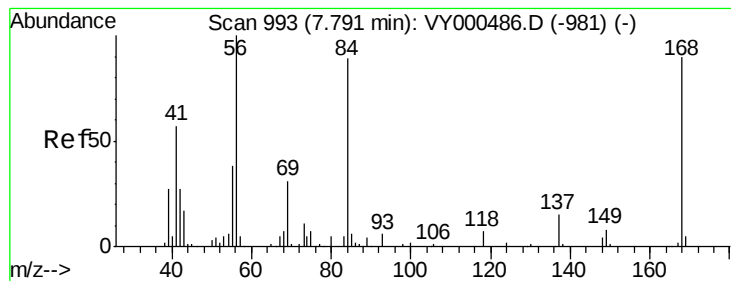
Tot Ion: 84 Resp: 3894
Ion Ratio Lower Upper
84 100
49 73.4 100.2 150.4#
51 21.9 29.6 44.4#
86 41.8 48.3 72.5#



#25
2-Butanone
Concen: 2.073 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.02 min
Lab File: VY000586.D
Acq: 07 Nov 2019 17:18

Tgt Ion: 43 Resp: 2241
Ion Ratio Lower Upper
43 100
72 13.7 20.9 31.3#





#31

Cyclohexane

Concen: 1.144 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

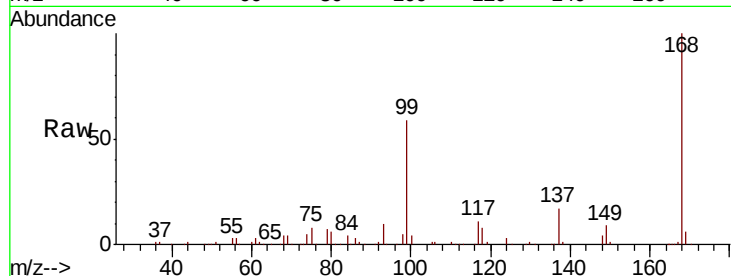
Lab File: VY000586.D

Acq: 07 Nov 2019 17:18

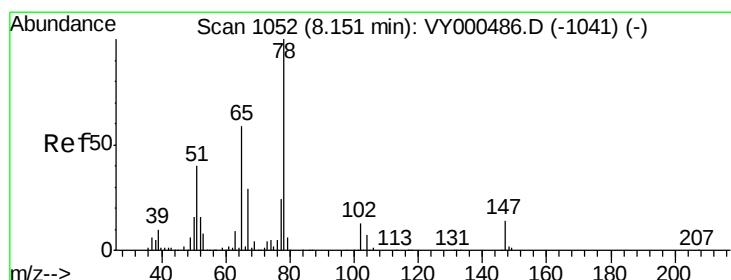
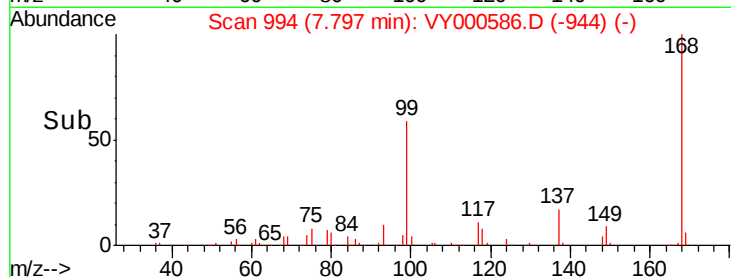
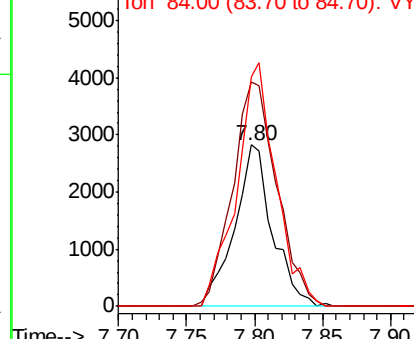
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 5443

Ion	Ratio	Lower	Upper
56	100		
69	138.6	25.0	37.6#
84	154.0	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: 59.752 ug/l

RT: 8.15 min Scan# 1052

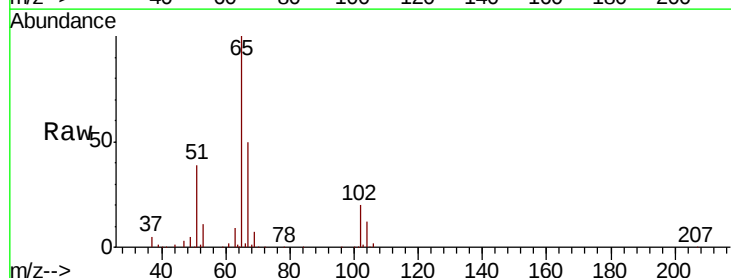
Delta R.T. 0.00 min

Lab File: VY000586.D

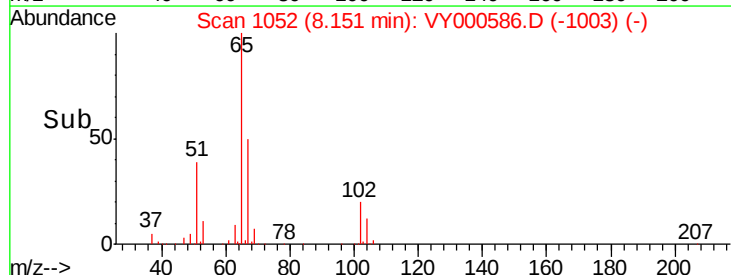
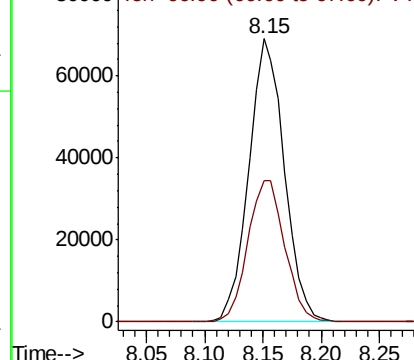
Acq: 07 Nov 2019 17:18

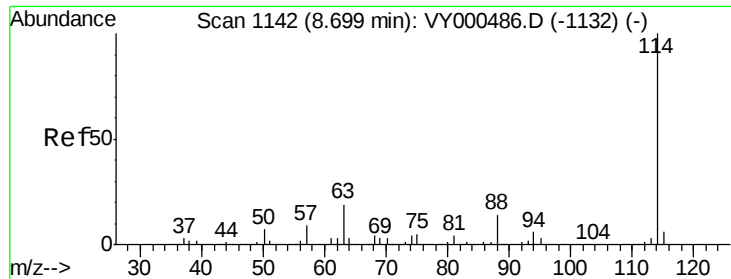
Tgt Ion: 65 Resp: 146883

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	107.2



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

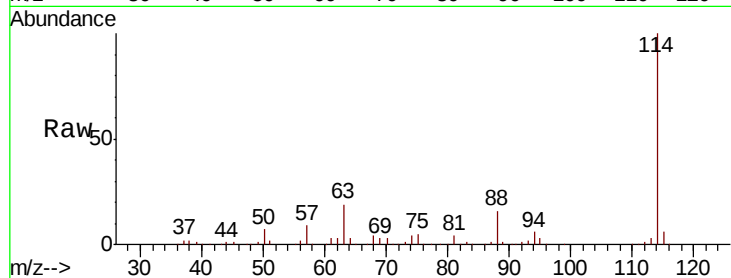




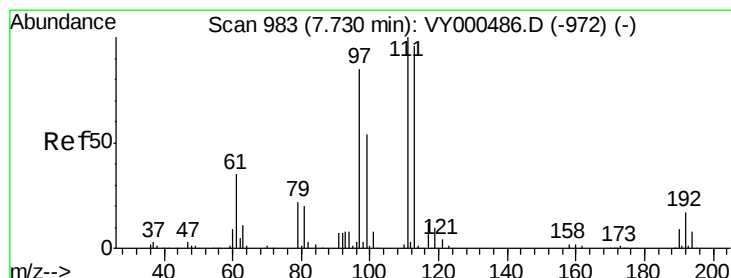
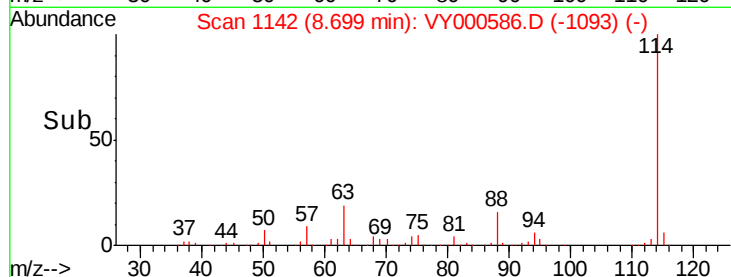
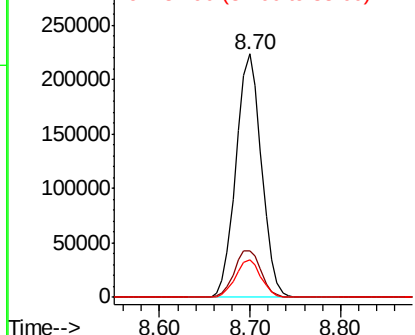
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000586.D
 Acq: 07 Nov 2019 17:18

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 436651
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.0
 88 15.7 0.0 28.6

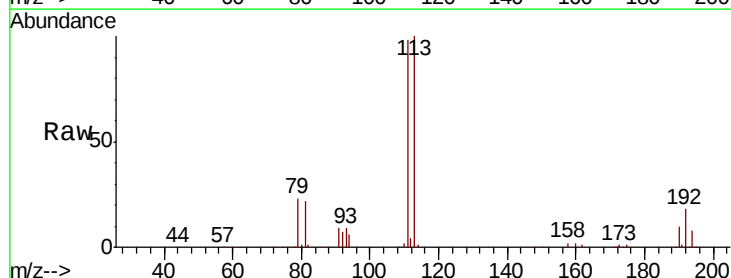


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

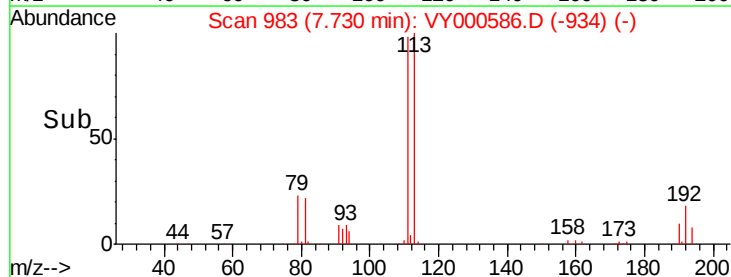
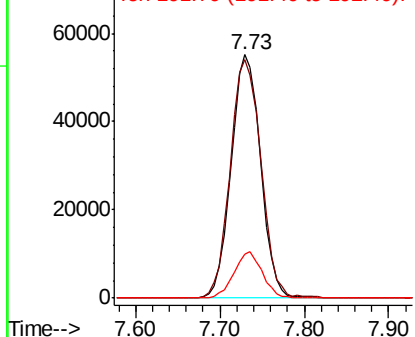


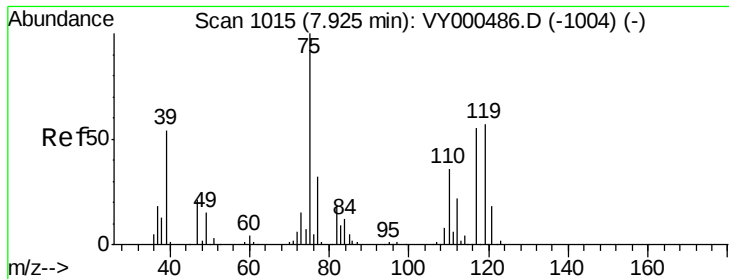
#35
 Dibromofluoromethane
 Concen: 50.621 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000586.D
 Acq: 07 Nov 2019 17:18

Tgt Ion:113 Resp: 129764
 Ion Ratio Lower Upper
 113 100
 111 102.3 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

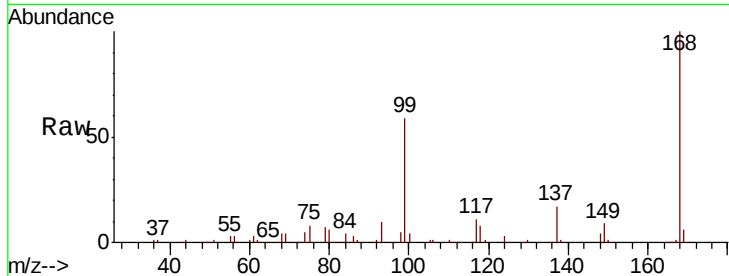




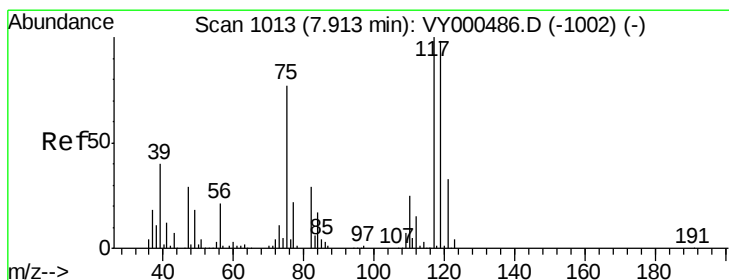
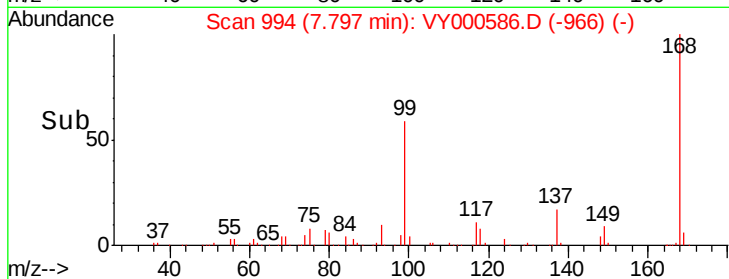
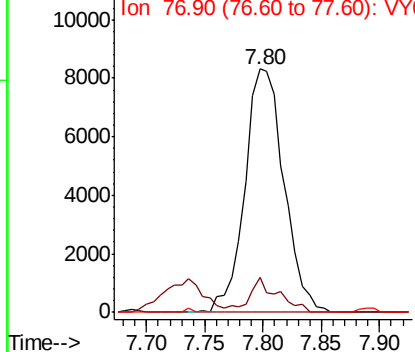
#36
 1,1-Dichloropropene
 Concen: 4.707 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000586.D
 Acq: 07 Nov 2019 17:18

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.1	54.1#
77	0.0	25.0	37.6#

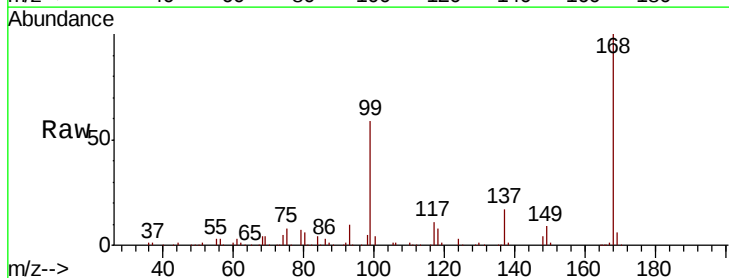


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

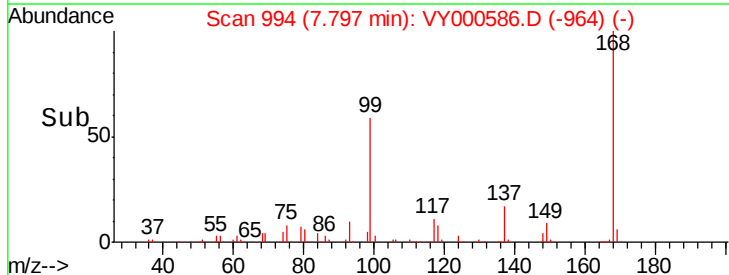
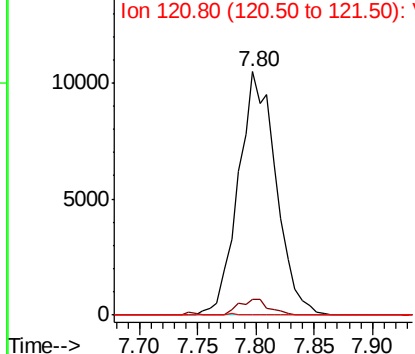


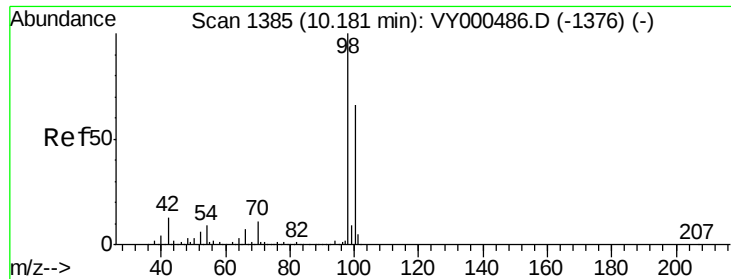
#38
 Carbon Tetrachloride
 Concen: 5.967 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000586.D
 Acq: 07 Nov 2019 17:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	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: 50.742 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000586.D

Acq: 07 Nov 2019 17:18

Instrument :

MSVOA_Y

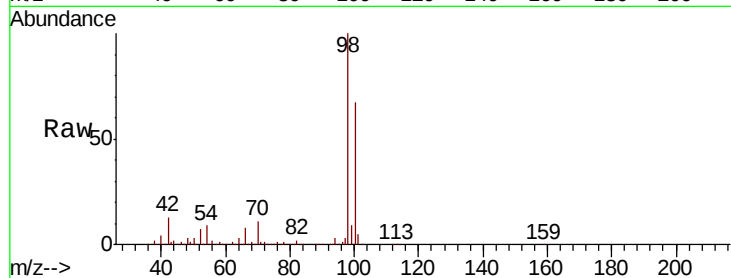
ClientSampleId :

Tot Ion: 98 Resp: 493559

Ion Ratio Lower Upper

98 100

100 66.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY000486.D (-1376) (-)

Ion 100.00 (99.70 to 100.70): VY000486.D (-1376) (-)

10.18

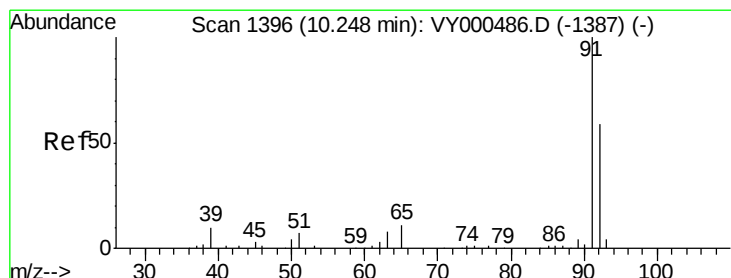
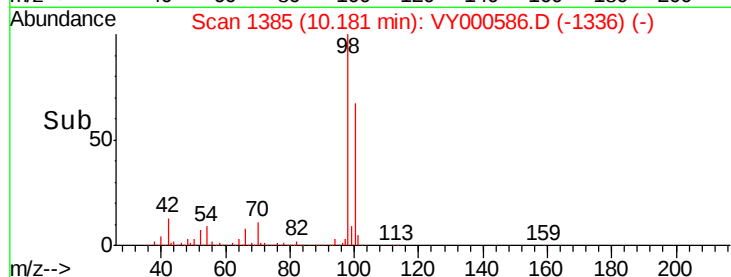
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 7.357 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000586.D

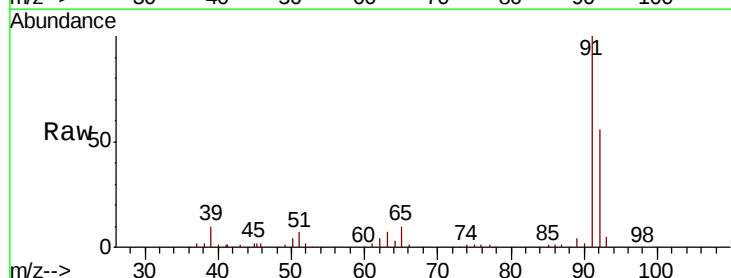
Acq: 07 Nov 2019 17:18

Tgt Ion: 92 Resp: 56291

Ion Ratio Lower Upper

92 100

91 173.0 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VY000486.D (-1387) (-)

Ion 91.00 (90.70 to 91.70): VY000486.D (-1387) (-)

10.25

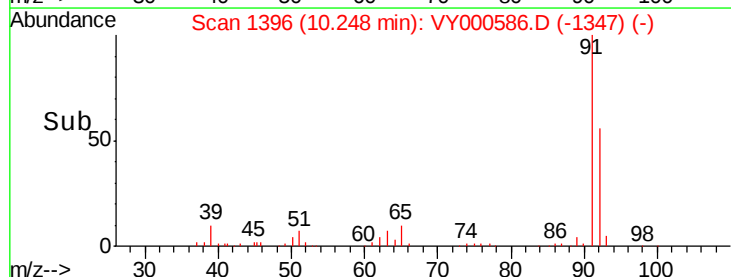
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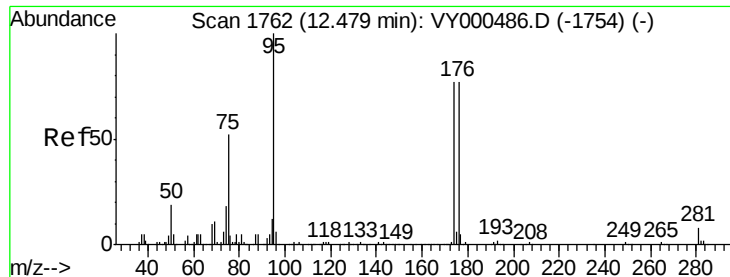
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20000

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Time-->

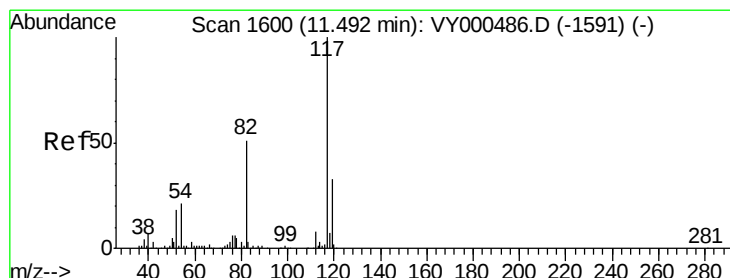
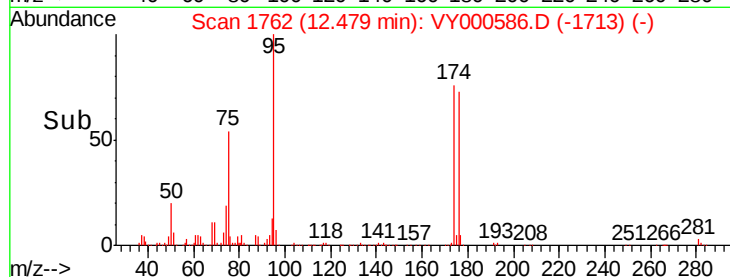
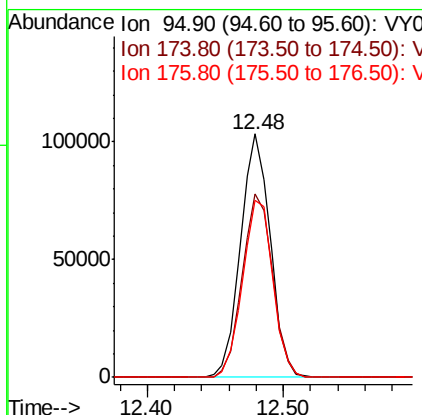
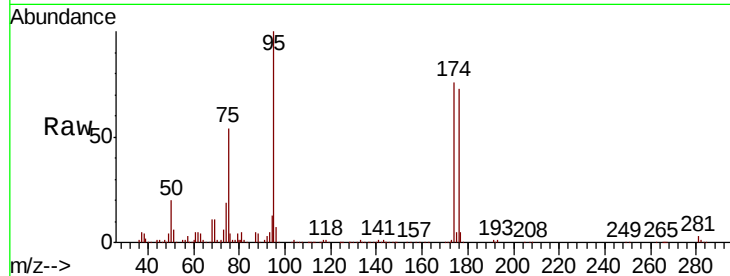




#62
4-Bromofluorobenzene
Concen: 42.381 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000586.D
Acq: 07 Nov 2019 17:18

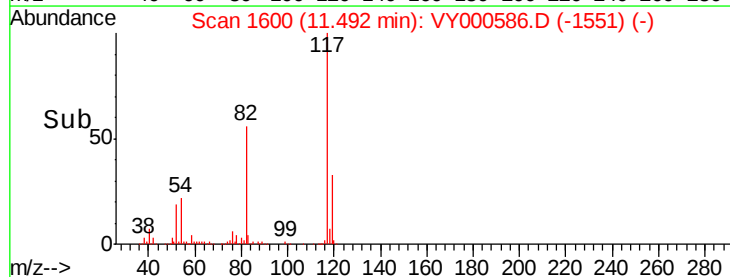
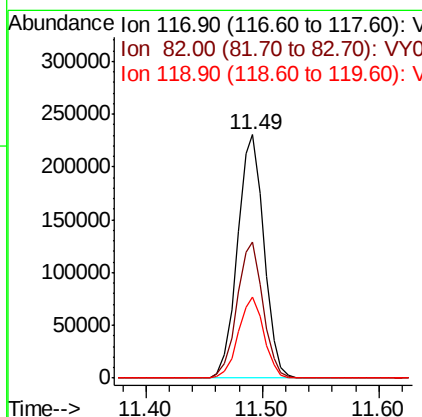
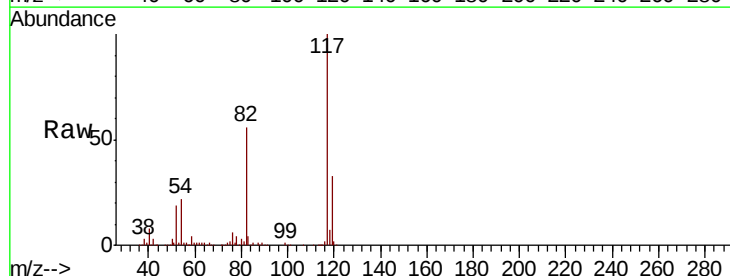
Instrument :
MSVOA_Y
ClientSampled :

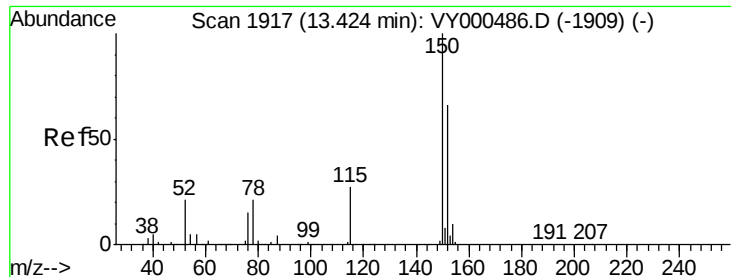
Tot Ion	Ratio	Lower	Upper
95	100		
174	77.7	0.0	161.6
176	75.1	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000586.D
Acq: 07 Nov 2019 17:18

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.7	40.8	61.2
119	33.1	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: VY000586.D

Acq: 07 Nov 2019 17:18

Instrument :

MSVOA_Y

ClientSampleId :

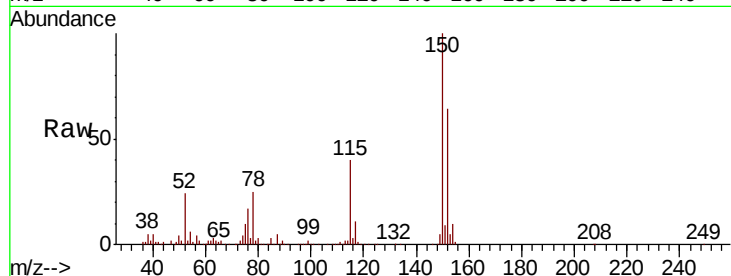
Tot Ion:152 Resp: 131149

Ion Ratio Lower Upper

152 100

115 61.6 29.1 87.4

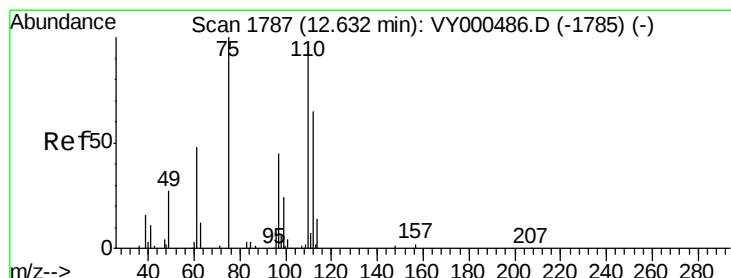
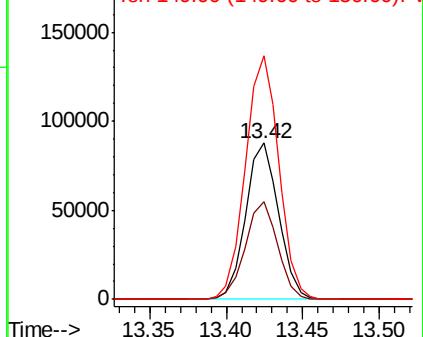
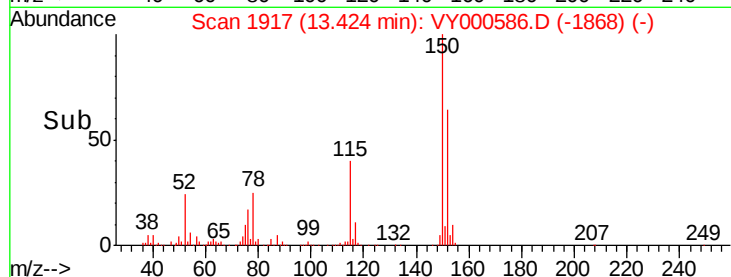
150 158.3 0.0 348.8



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: 57.287 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000586.D

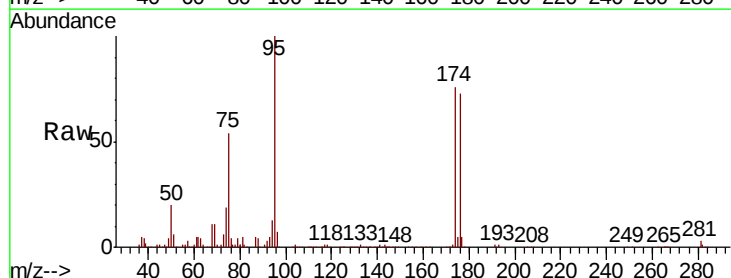
Acq: 07 Nov 2019 17:18

Tgt Ion: 75 Resp: 85548

Ion Ratio Lower Upper

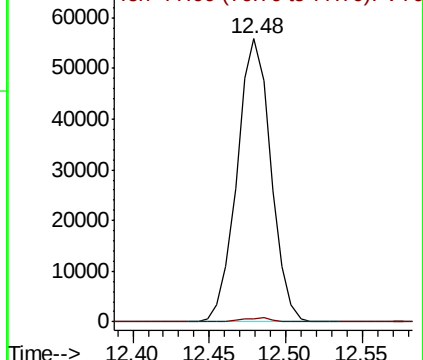
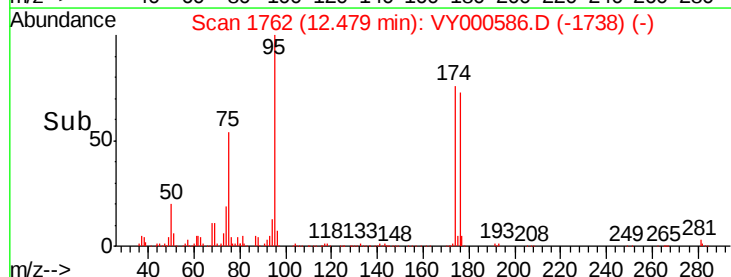
75 100

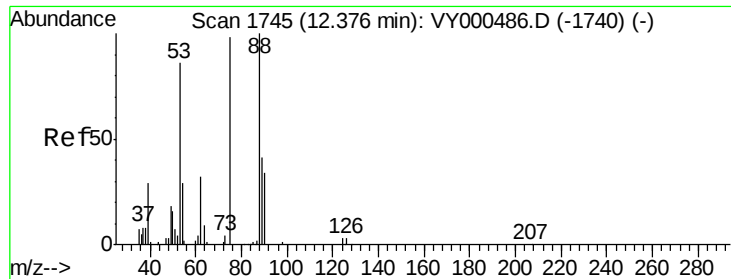
77 1.2 0.0 0.0#



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: 128.446 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000586.D

Acq: 07 Nov 2019 17:18

Instrument :

MSVOA_Y

ClientSampleId :

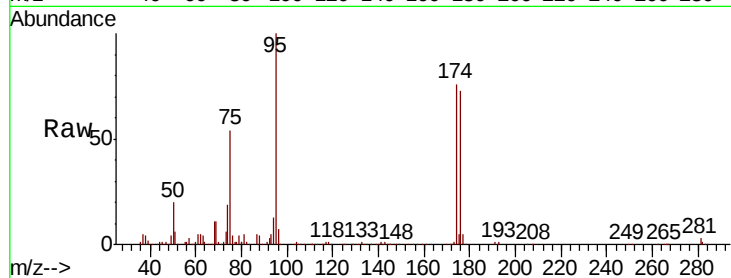
Tot Ion: 75 Resp: 85548

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.3 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

