

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112119\
 Data File : VY000772.D
 Acq On : 21 Nov 2019 16:48
 Operator : SY/MD
 Sample : K5948-02
 Misc : 7.36G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-1-6-12

Quant Time: Nov 22 03:15:19 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	329705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	608521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	529189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	231499	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	188262	55.18	ug/l	0.00
Spiked Amount			Recovery	=	110.36%	
35) Dibromofluoromethane	7.73	113	173847	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
50) Toluene-d8	10.18	98	718025	52.97	ug/l	0.00
Spiked Amount			Recovery	=	105.94%	
62) 4-Bromofluorobenzene	12.48	95	236579	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	

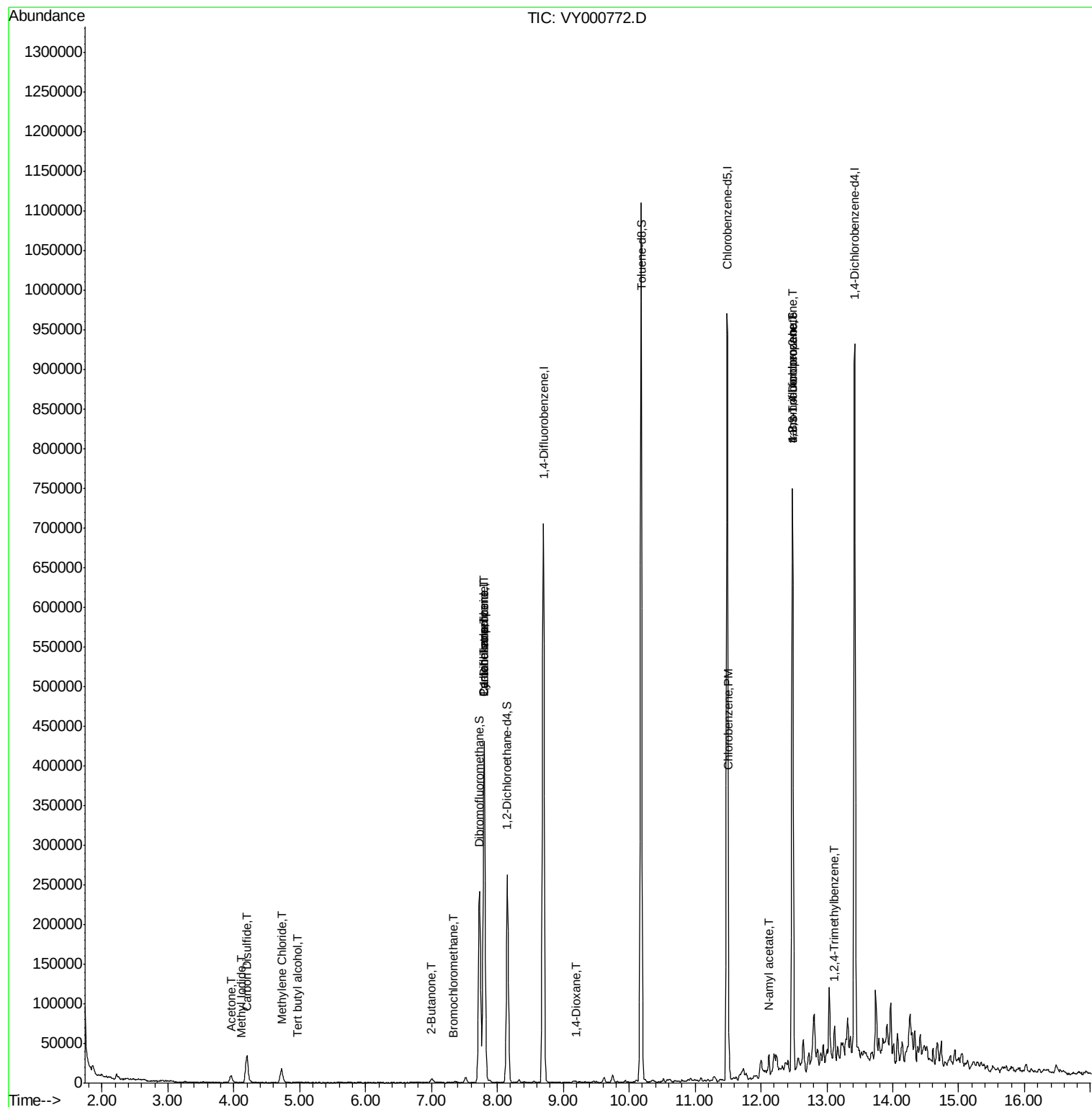
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.10	142	339	3.270	ug/l #	49
11) Tert butyl alcohol	4.97	59	1025	3.086	ug/l #	72
16) Acetone	3.96	43	14555	15.478	ug/l	98
17) Carbon Disulfide	4.20	76	68853	6.629	ug/l	100
20) Methylene Chloride	4.72	84	11831	2.936	ug/l #	82
25) 2-Butanone	7.00	43	5160	3.438	ug/l	94
28) Bromochloromethane	7.33	49	84	4.119	ug/l #	49
31) Cyclohexane	7.80	56	7279	1.102	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	27330	4.751	ug/l #	48
38) Carbon Tetrachloride	7.80	117	31679	5.723	ug/l #	15
49) 1,4-Dioxane	9.19	88	51	1.660	ug/l #	1
65) Chlorobenzene	11.51	112	15920	1.484	ug/l #	85
74) N-amyl acetate	12.12	43	7074	1.444	ug/l #	74
76) 1,2,3-Trichloropropane	12.48	75	118867	45.095	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	118867	101.109	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	23863	1.682	ug/l	91

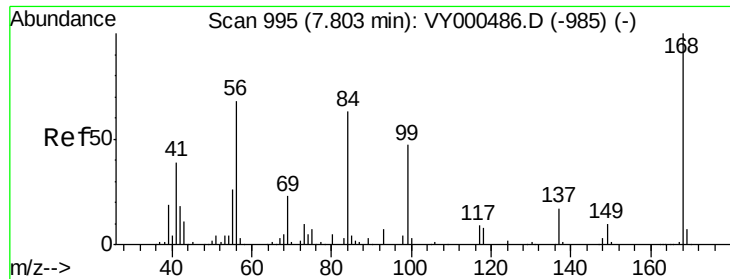
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 994

Delta R.T. -0.01 min

Lab File: VY000772.D

Acq: 21 Nov 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

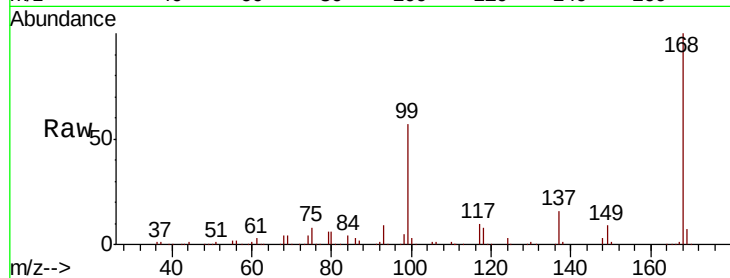
B-1-6-12

Tot Ion:168 Resp: 329705

Ion Ratio Lower Upper

168 100

99 57.0 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

150000

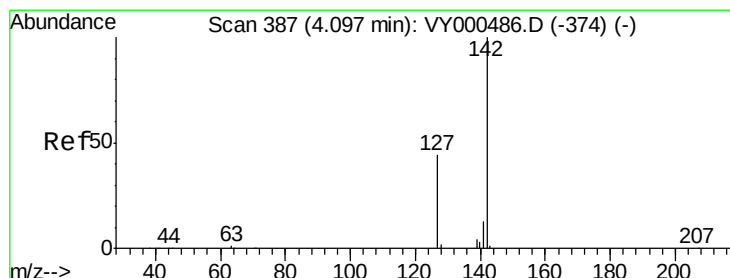
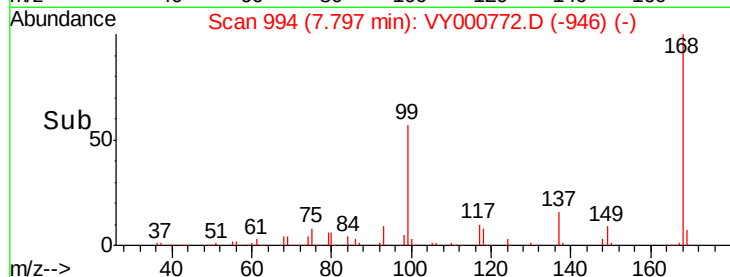
100000

50000

0

Time-->

7.70 7.80 7.90



#10

Methyl Iodide

Concen: 3.270 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000772.D

Acq: 21 Nov 2019 16:48

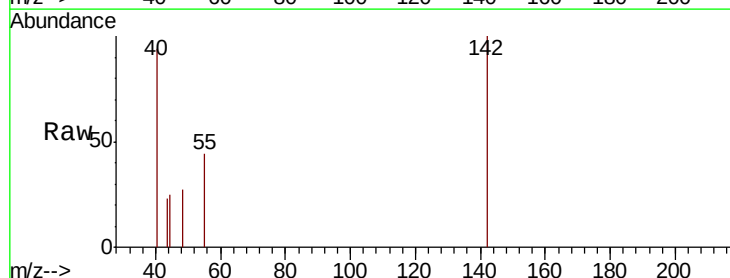
Tgt Ion:142 Resp: 339

Ion Ratio Lower Upper

142 100

127 6.2 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

4.10

300

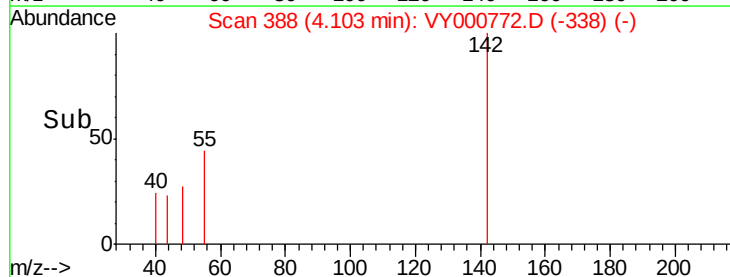
200

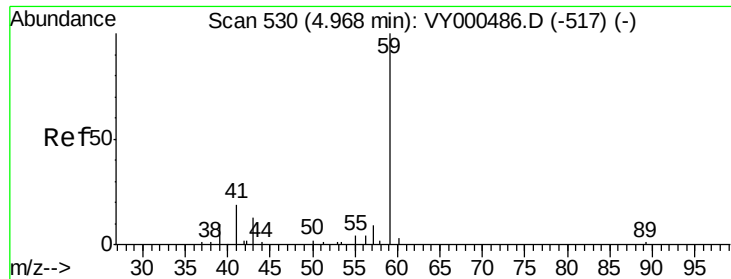
100

0

Time-->

4.06 4.08 4.10 4.12

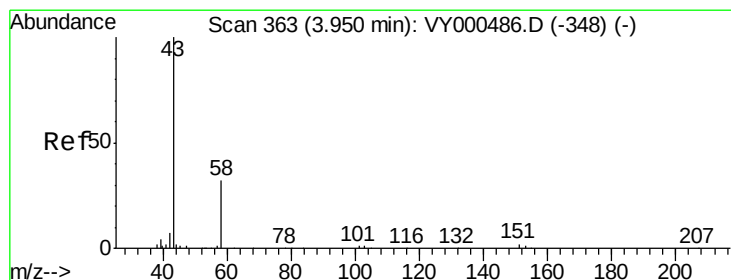
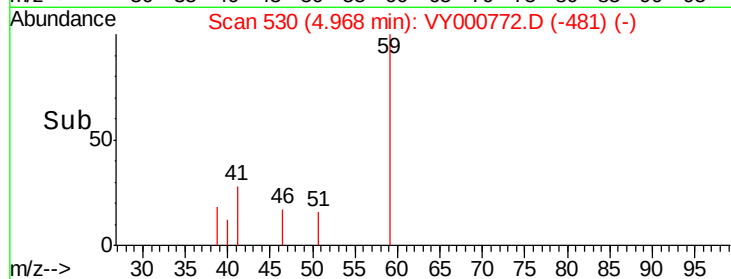
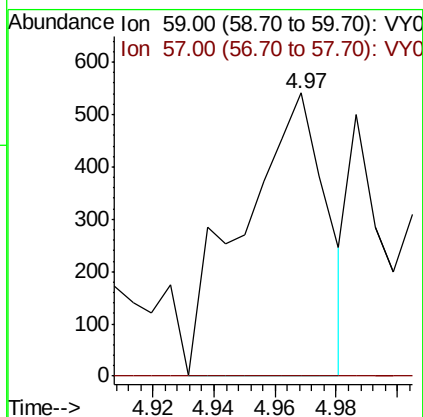
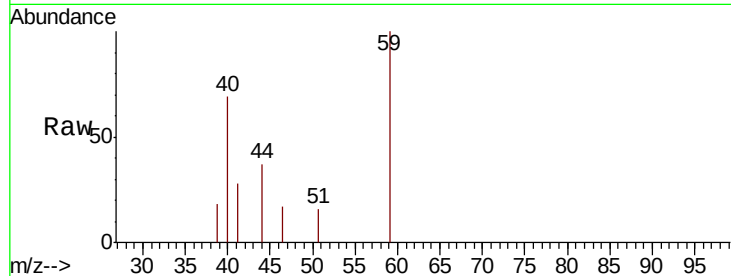




#11
Tert butyl alcohol
Concen: 3.086 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.00 min
Lab File: VY000772.D
Acq: 21 Nov 2019 16:48

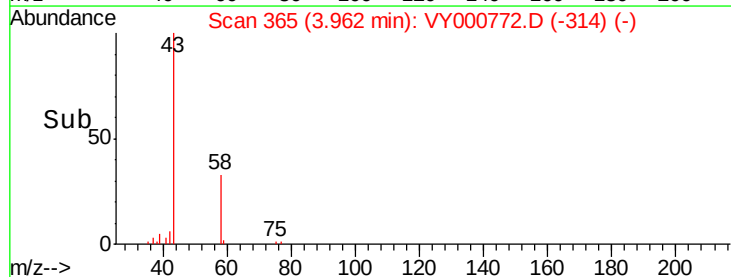
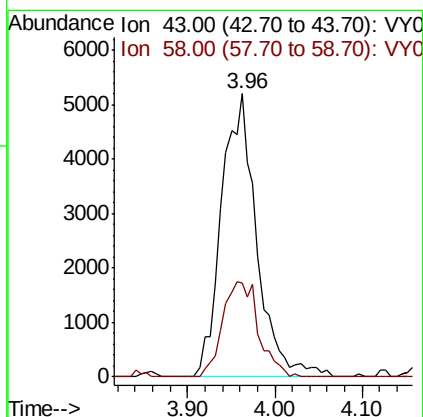
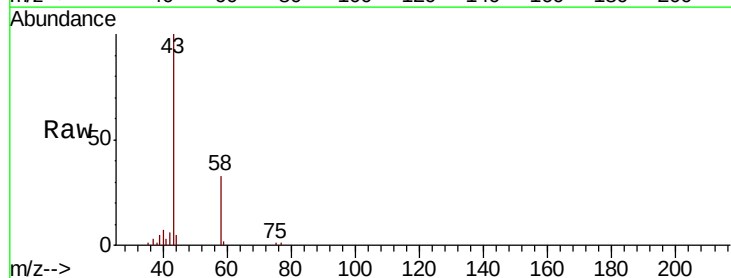
Instrument :
MSVOA_Y
ClientSampled :
B-1-6-12

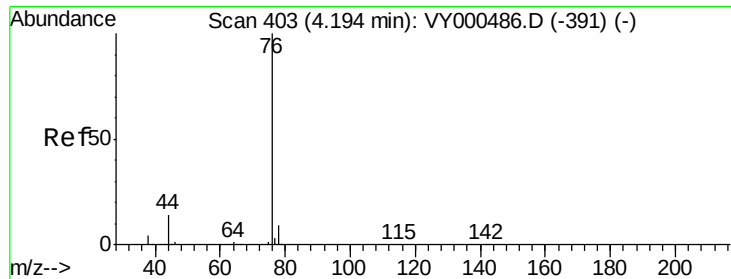
Tot Ion: 59 Resp: 1025
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 15.478 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY000772.D
Acq: 21 Nov 2019 16:48

Tgt Ion: 43 Resp: 14555
Ion Ratio Lower Upper
43 100
58 33.3 25.8 38.6

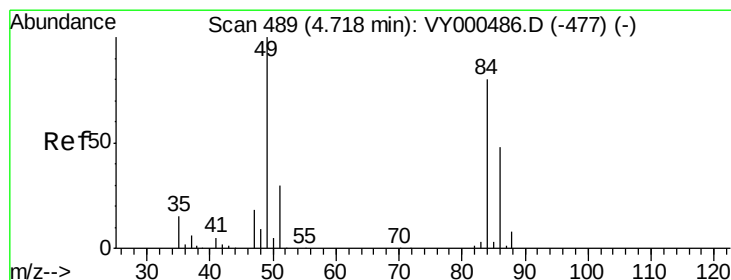
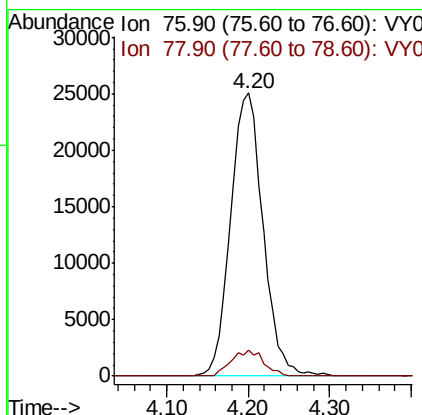
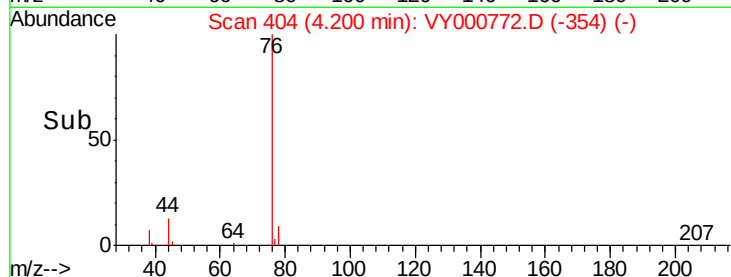
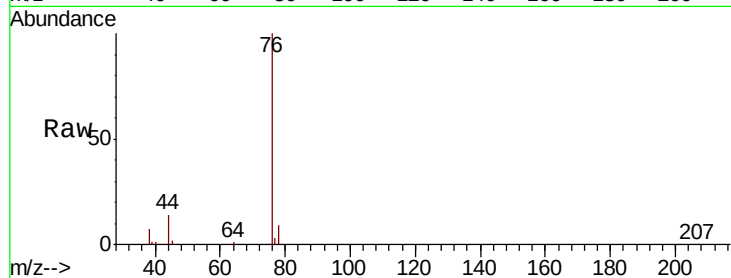




#17
Carbon Disulfide
Concen: 6.629 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY000772.D
Acq: 21 Nov 2019 16:48

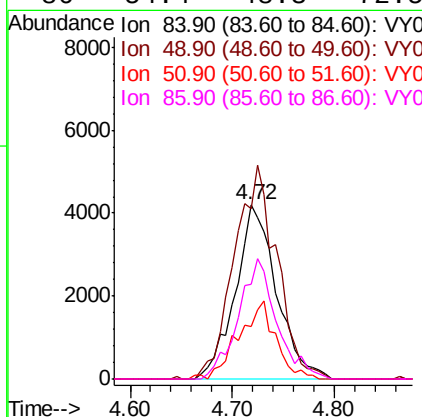
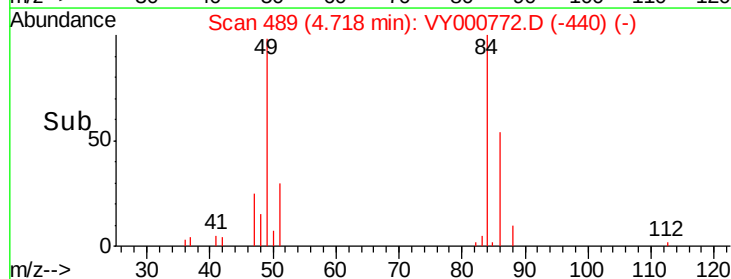
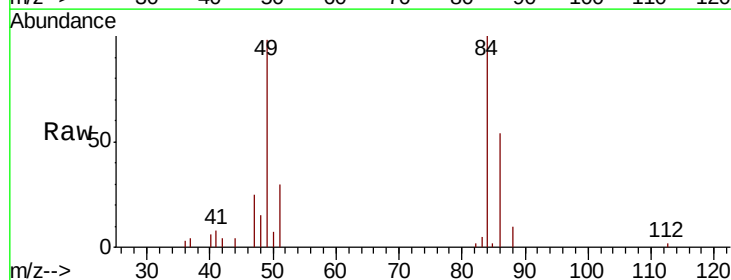
Instrument :
MSVOA_Y
ClientSampleId :
B-1-6-12

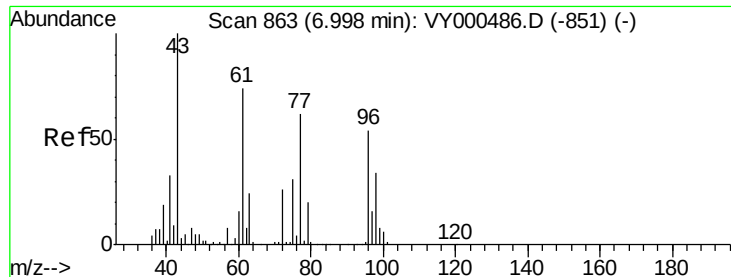
Tot Ion: 76 Resp: 68853
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3



#20
Methylene Chloride
Concen: 2.936 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY000772.D
Acq: 21 Nov 2019 16:48

Tgt Ion: 84 Resp: 11831
Ion Ratio Lower Upper
84 100
49 97.7 100.2 150.4#
51 30.4 29.6 44.4
86 54.4 48.3 72.5





#25

2-Butanone

Concen: 3.438 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000772.D

Acq: 21 Nov 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

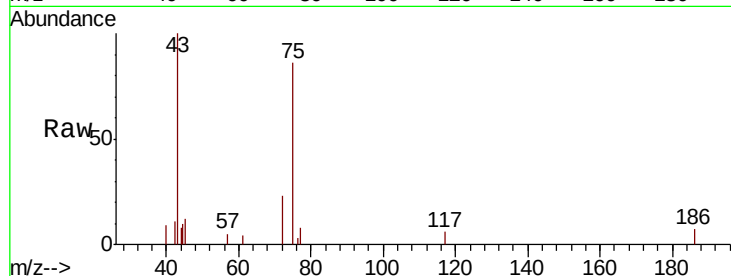
B-1-6-12

Tot Ion: 43 Resp: 5160

Ion Ratio Lower Upper

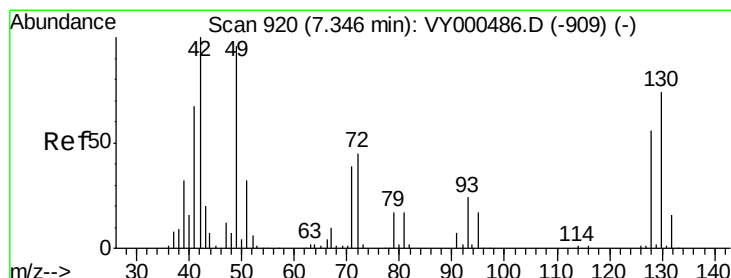
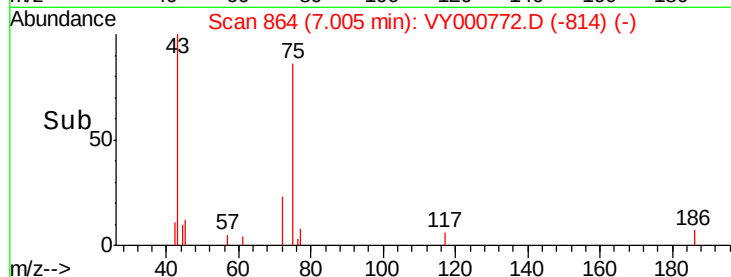
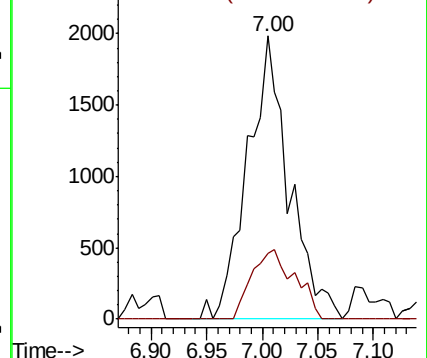
43 100

72 23.0 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#28

Bromochloromethane

Concen: 4.119 ug/l

RT: 7.33 min Scan# 918

Delta R.T. -0.01 min

Lab File: VY000772.D

Acq: 21 Nov 2019 16:48

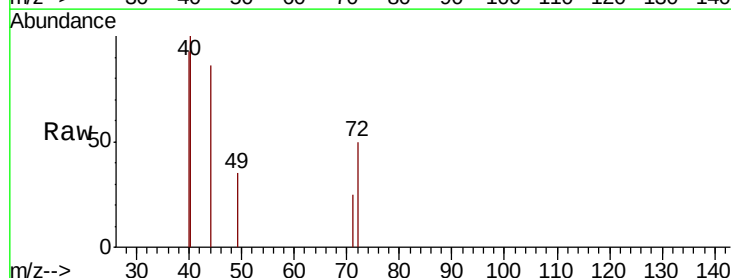
Tgt Ion: 49 Resp: 84

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

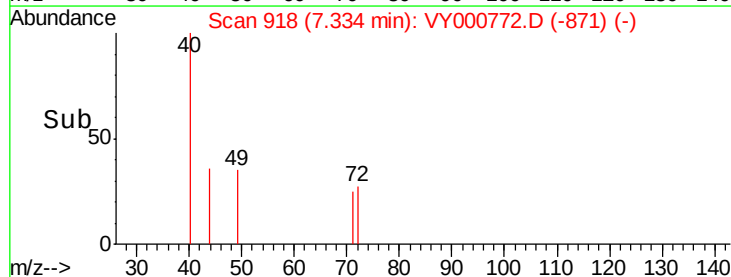
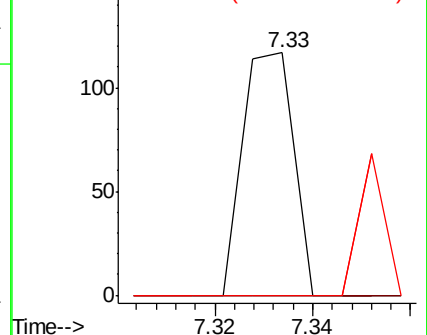
130 29.8 59.4 89.0#

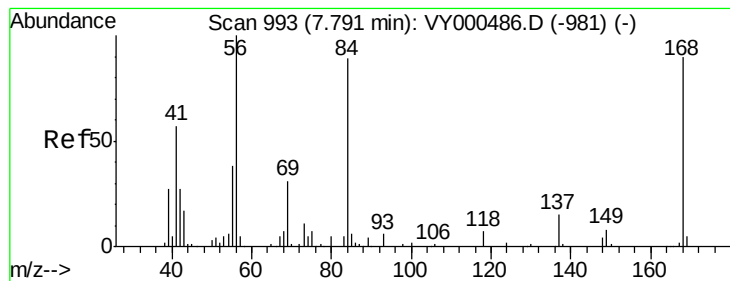


Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#31

Cyclohexane

Concen: 1.102 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000772.D

Acq: 21 Nov 2019 16:48

Instrument :

MSVOA_Y

ClientSampled :

B-1-6-12

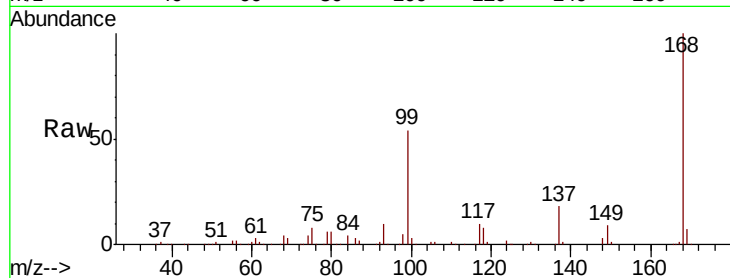
Tot Ion: 56 Resp: 7279

Ion Ratio Lower Upper

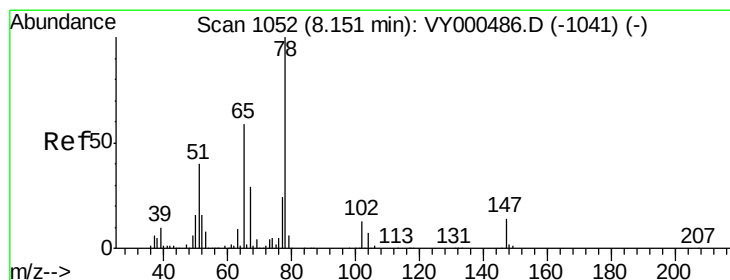
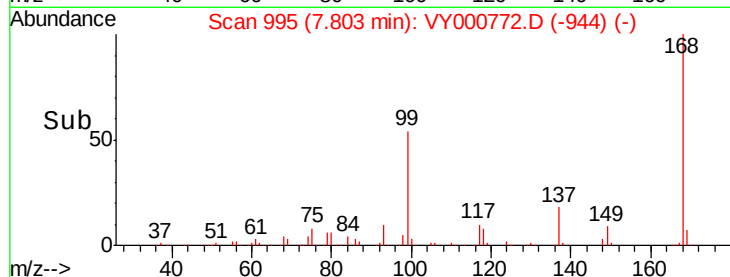
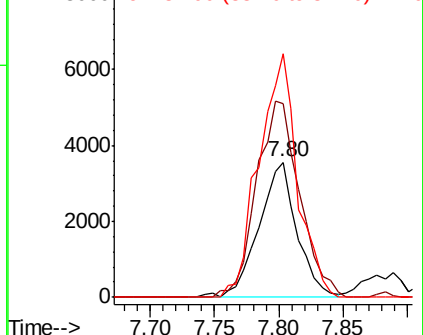
56 100

69 143.0 25.0 37.6#

84 180.2 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: 55.176 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000772.D

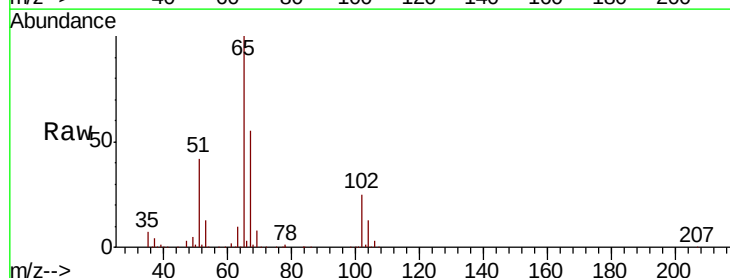
Acq: 21 Nov 2019 16:48

Tgt Ion: 65 Resp: 188262

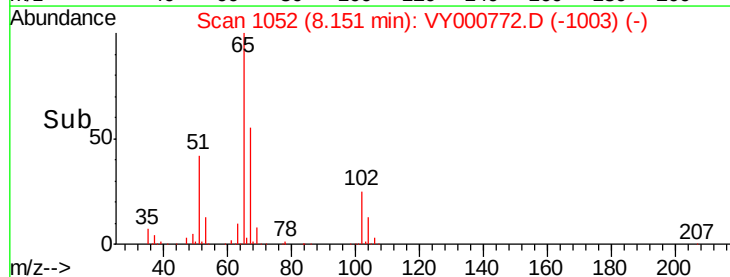
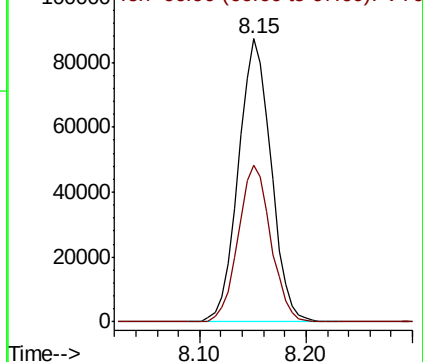
Ion Ratio Lower Upper

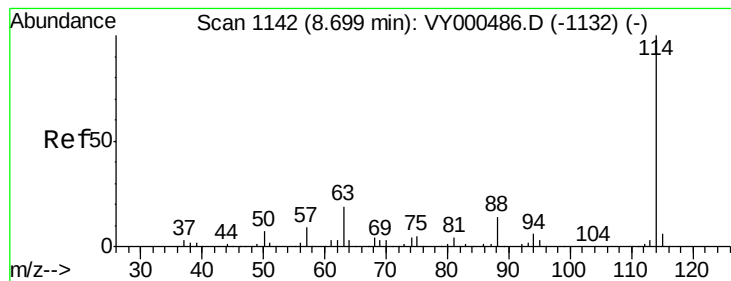
65 100

67 55.0 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: VY000772.D

Acq: 21 Nov 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

B-1-6-12

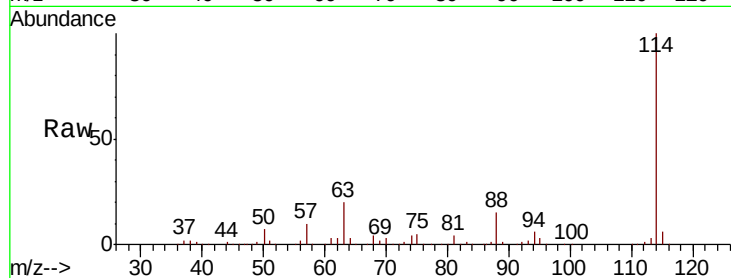
Tot Ion:114 Resp: 608521

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.0

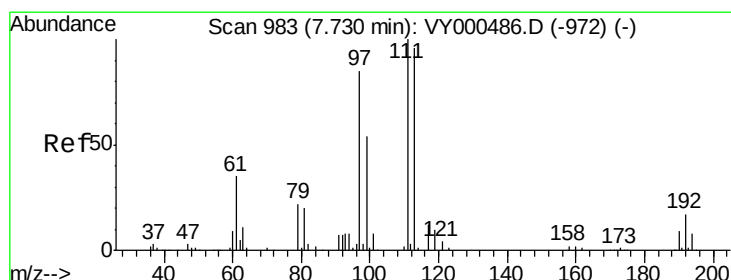
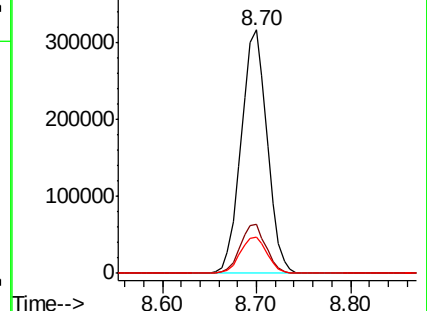
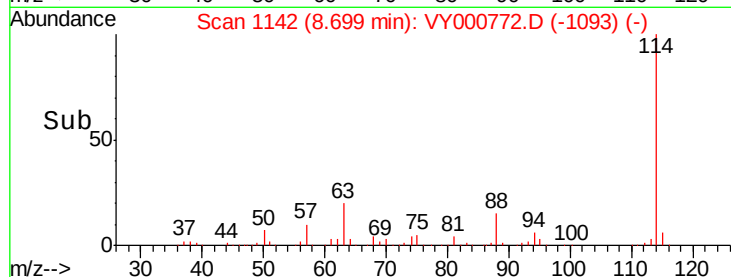
88 15.1 0.0 28.6



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: 48.664 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000772.D

Acq: 21 Nov 2019 16:48

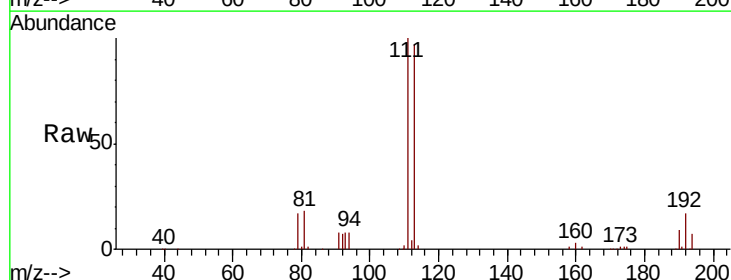
Tgt Ion:113 Resp: 173847

Ion Ratio Lower Upper

113 100

111 102.2 81.7 122.5

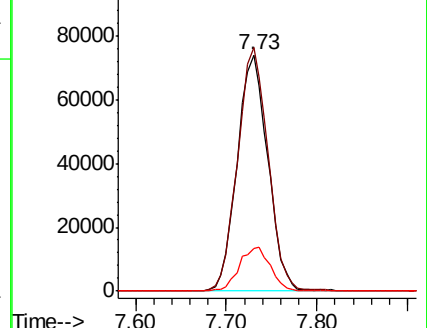
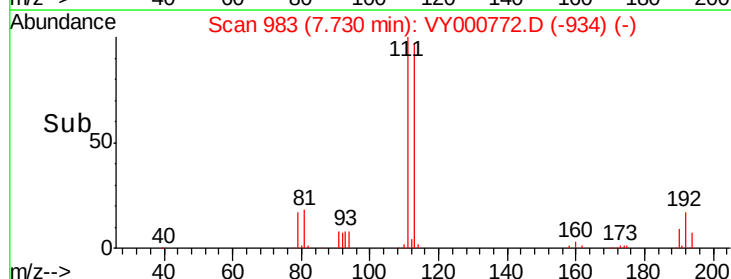
192 18.6 15.0 22.4

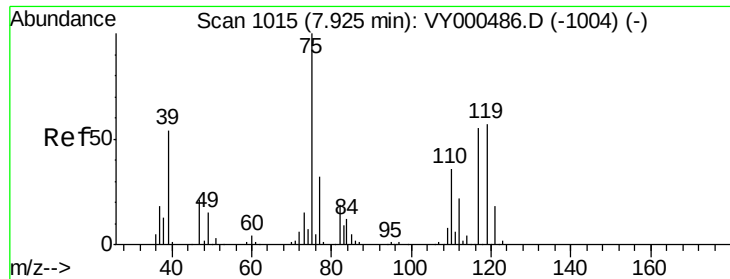


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.751 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY000772.D

Acq: 21 Nov 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

B-1-6-12

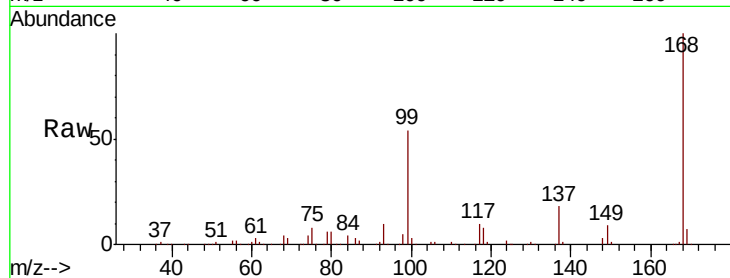
Tot Ion: 75 Resp: 27330

Ion Ratio Lower Upper

75 100

110 8.0 18.1 54.1#

77 0.3 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VY000772.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY000772.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY000772.D (-966) (-)

7.80

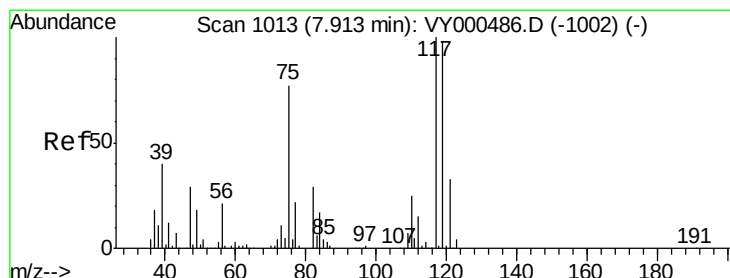
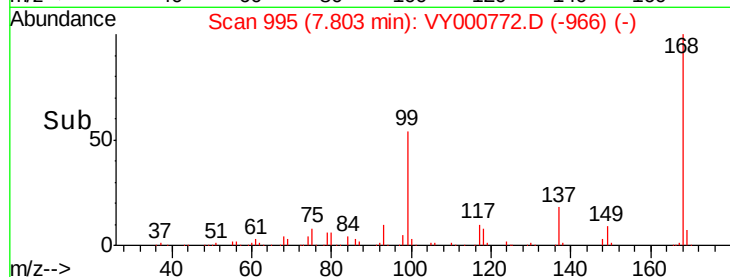
15000

10000

5000

0

Time--> 7.70 7.75 7.80 7.85 7.90



#38

Carbon Tetrachloride

Concen: 5.723 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000772.D

Acq: 21 Nov 2019 16:48

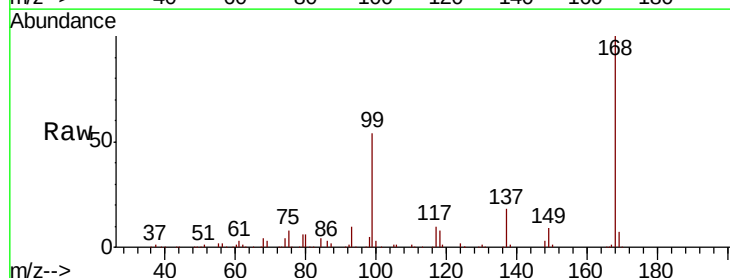
Tgt Ion: 117 Resp: 31679

Ion Ratio Lower Upper

117 100

119 5.3 78.0 117.0#

121 0.0 26.6 40.0#



Abundance Ion 116.80 (116.50 to 117.50): VY000772.D (-964) (-)

Ion 118.80 (118.50 to 119.50): VY000772.D (-964) (-)

Ion 120.80 (120.50 to 121.50): VY000772.D (-964) (-)

7.80

20000

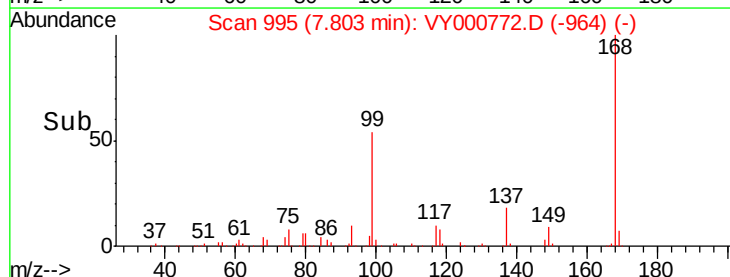
15000

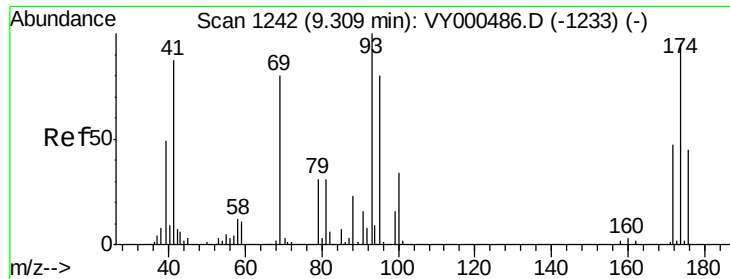
10000

5000

0

Time--> 7.70 7.75 7.80 7.85 7.90





#49

1,4-Dioxane

Concen: 1.660 ug/l

RT: 9.19 min Scan# 1223

Delta R.T. -0.12 min

Lab File: VY000772.D

Acq: 21 Nov 2019 16:48

Instrument :

MSVOA_Y

ClientSampled :

B-1-6-12

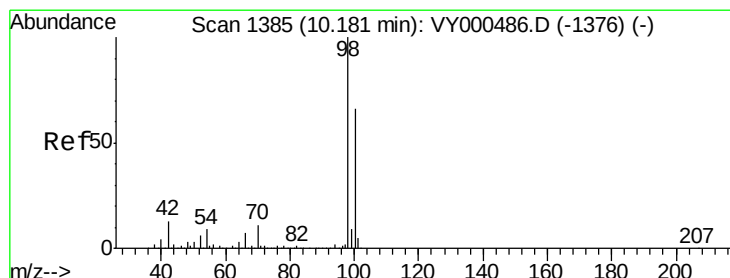
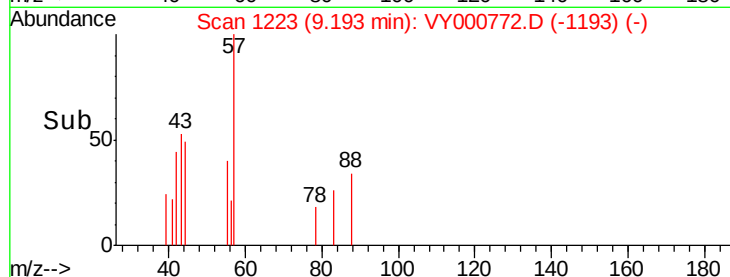
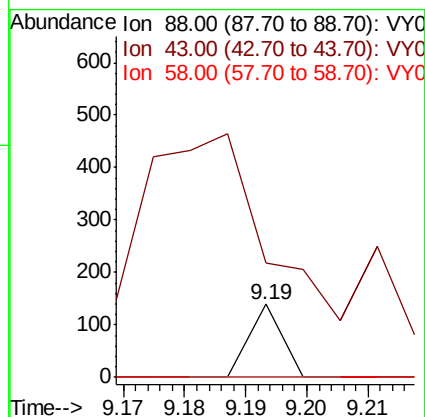
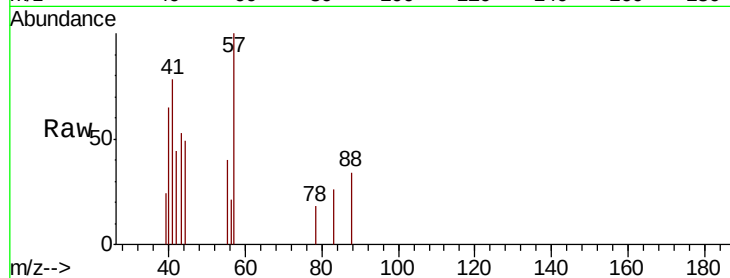
Tot Ion: 88 Resp: 51

Ion Ratio Lower Upper

88 100

43 1733.3 25.1 37.7#

58 0.0 50.6 75.8#



#50

Toluene-d8

Concen: 52.970 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000772.D

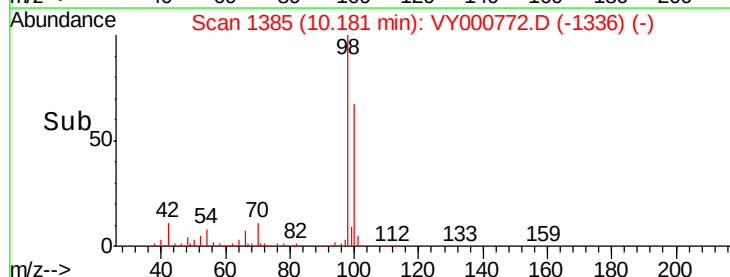
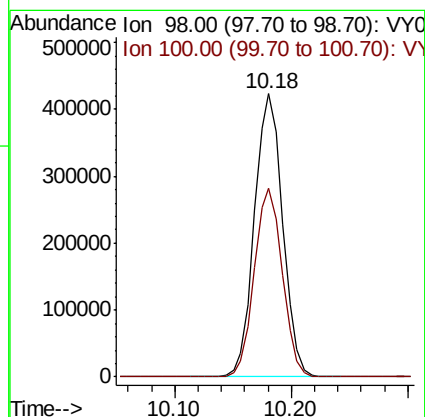
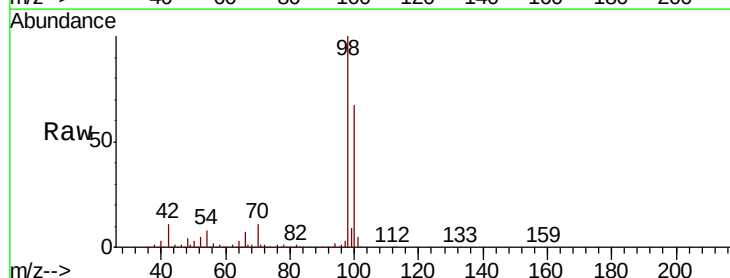
Acq: 21 Nov 2019 16:48

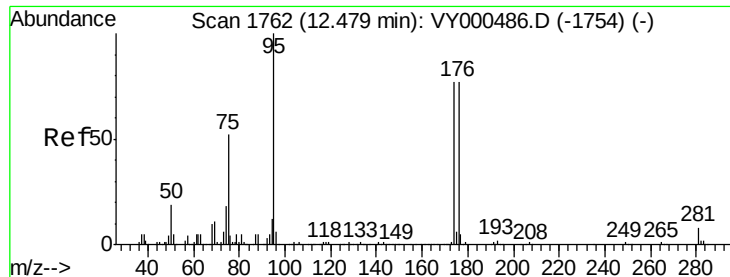
Tgt Ion: 98 Resp: 718025

Ion Ratio Lower Upper

98 100

100 66.1 52.9 79.3

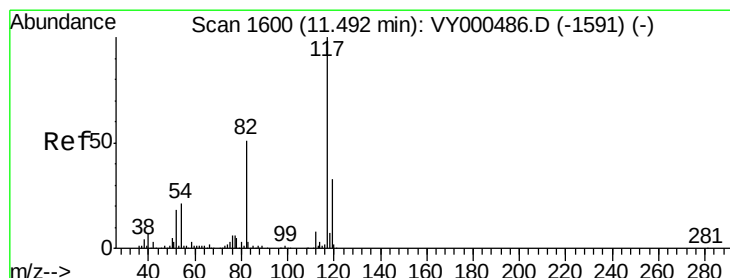
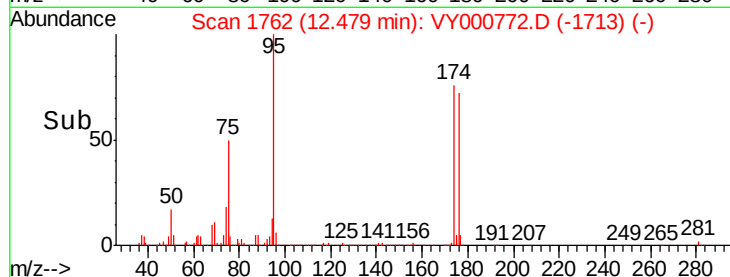
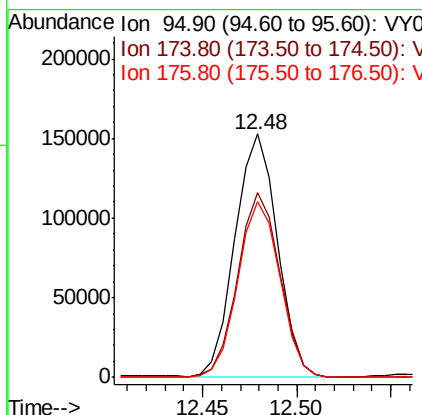
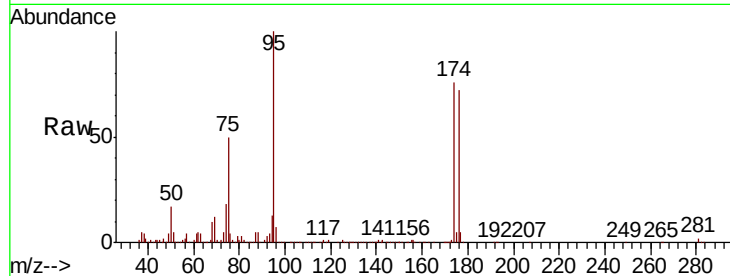




#62
4-Bromofluorobenzene
Concen: 45.845 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000772.D
Acq: 21 Nov 2019 16:48

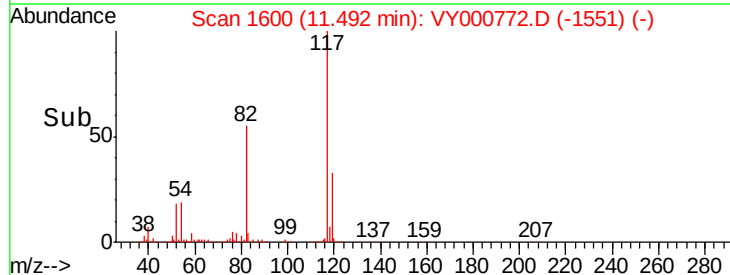
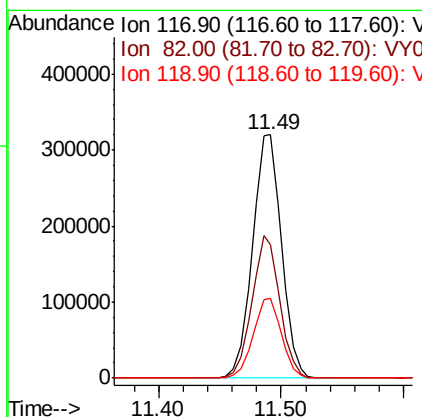
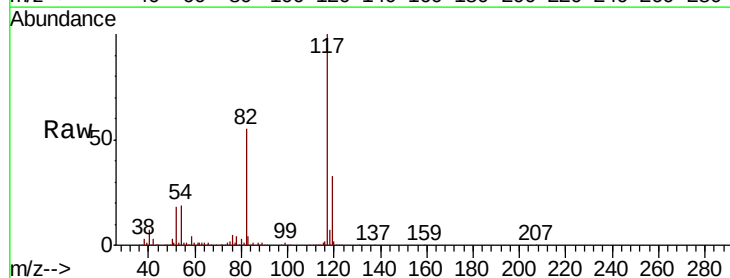
Instrument :
MSVOA_Y
ClientSampleId :
B-1-6-12

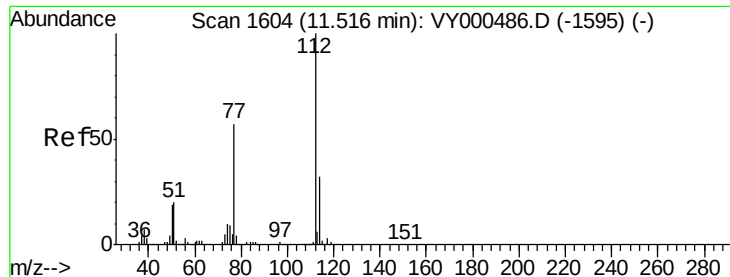
Tot Ion	95	Resp	236579
Ion Ratio	Lower	Upper	
95	100		
174	76.3	0.0	161.6
176	72.4	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000772.D
Acq: 21 Nov 2019 16:48

Tgt Ion	117	Resp	529189
Ion Ratio	Lower	Upper	
117	100		
82	54.8	40.8	61.2
119	32.9	26.2	39.2





#65

Chlorobenzene

Concen: 1.484 ug/l

RT: 11.51 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VY000772.D

Acq: 21 Nov 2019 16:48

Instrument :

MSVOA_Y

ClientSampled :

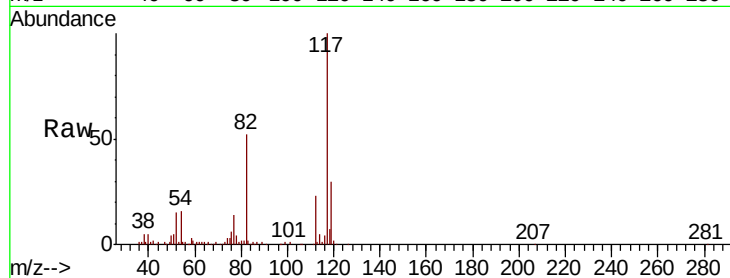
B-1-6-12

Tot Ion:112 Resp: 15920

Ion Ratio Lower Upper

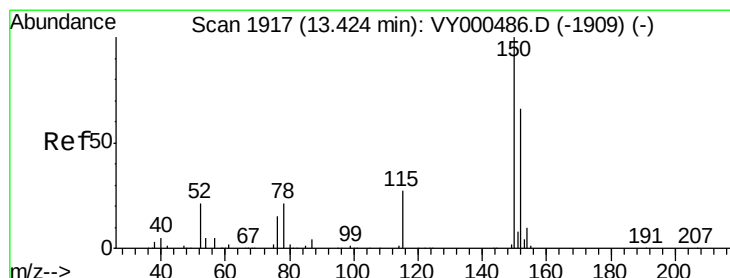
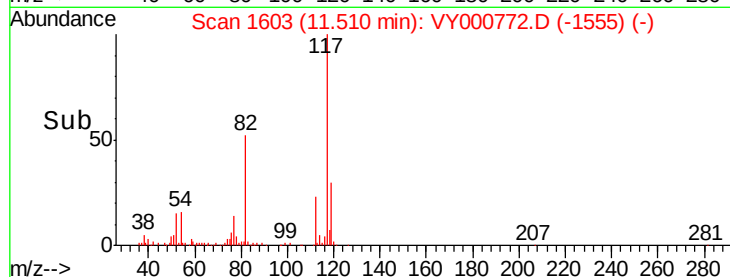
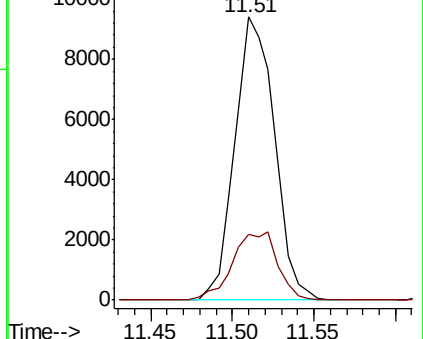
112 100

114 23.1 25.3 37.9#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): 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: VY000772.D

Acq: 21 Nov 2019 16:48

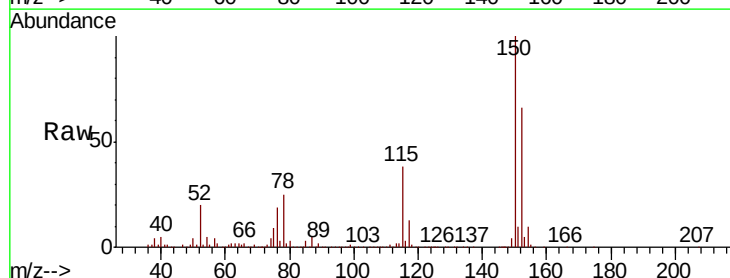
Tgt Ion:152 Resp: 231499

Ion Ratio Lower Upper

152 100

115 59.4 29.1 87.4

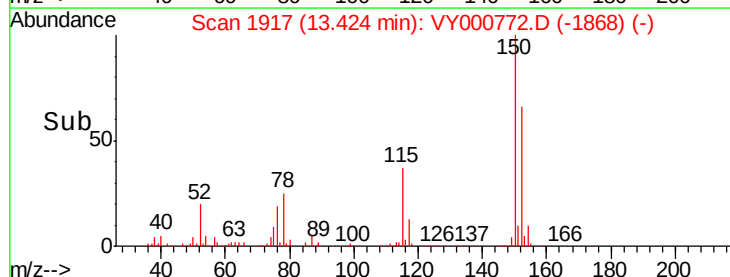
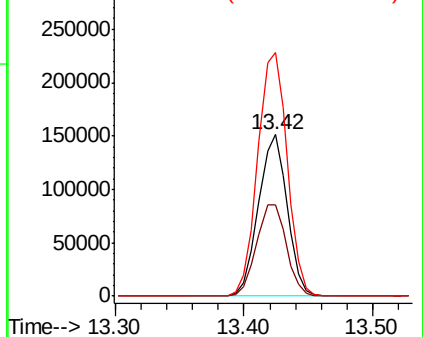
150 155.5 0.0 348.8

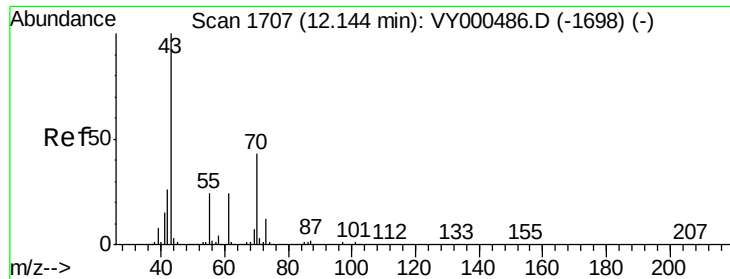


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

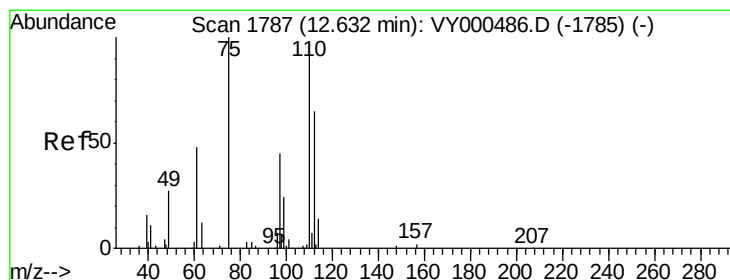
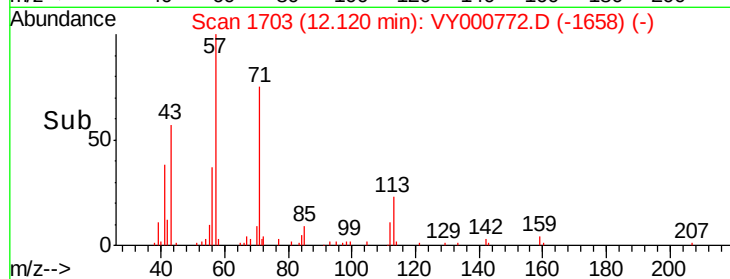
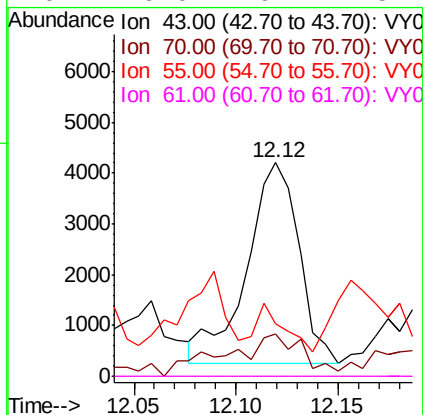
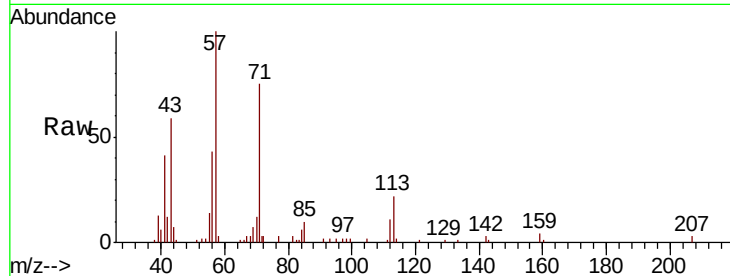




#74
N-amvl acetate
Concen: 1.444 ug/l
RT: 12.12 min Scan# 1703
Delta R.T. -0.02 min
Lab File: VY000772.D
Acq: 21 Nov 2019 16:48

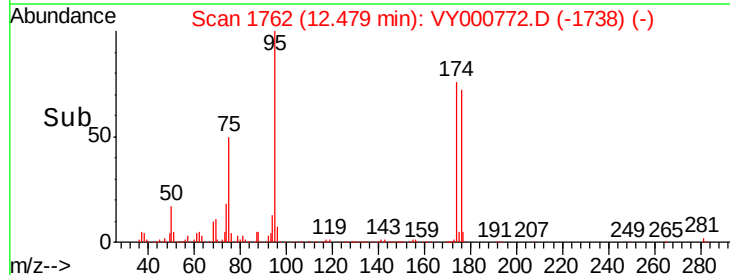
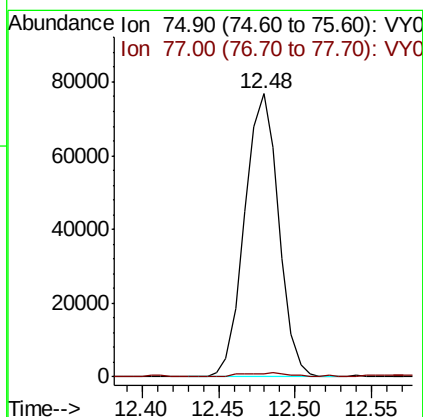
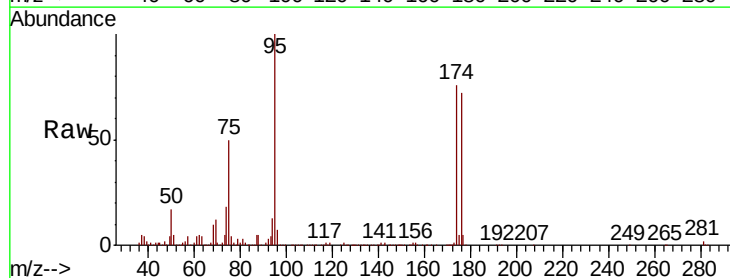
Instrument :
MSVOA_Y
ClientSampleId :
B-1-6-12

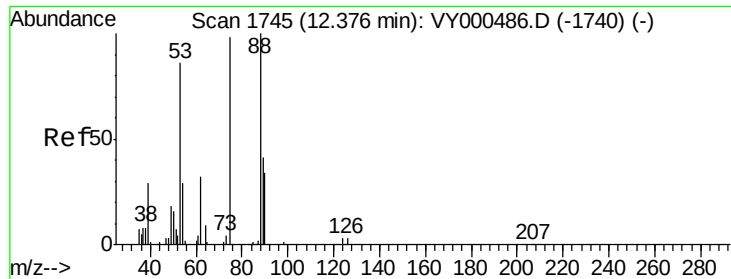
Tot Ion: 43 Resp: 7074
Ion Ratio Lower Upper
43 100
70 31.4 33.1 49.7#
55 12.8 18.0 27.0#
61 0.0 19.1 28.7#



#76
1,2,3-Trichloropropane
Concen: 45.095 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000772.D
Acq: 21 Nov 2019 16:48

Tgt Ion: 75 Resp: 118867
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 101.109 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000772.D

Acq: 21 Nov 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

B-1-6-12

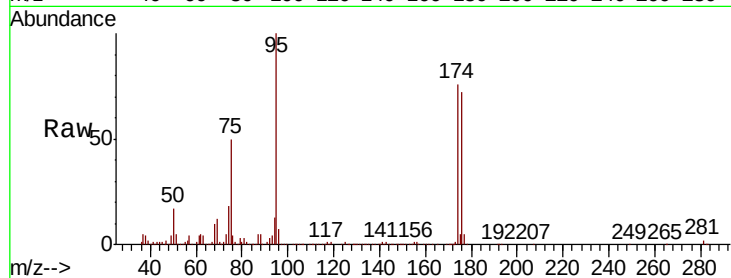
Tot Ion: 75 Resp: 118867

Ion Ratio Lower Upper

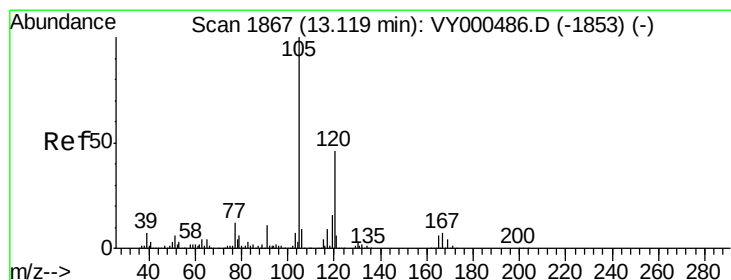
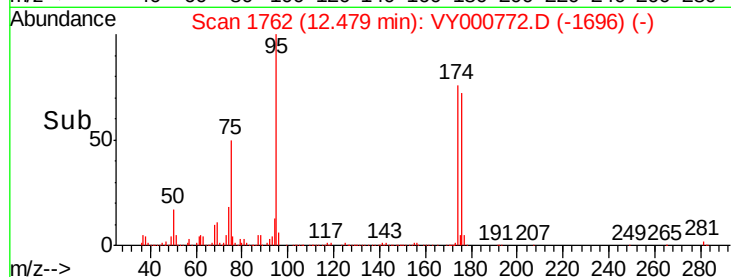
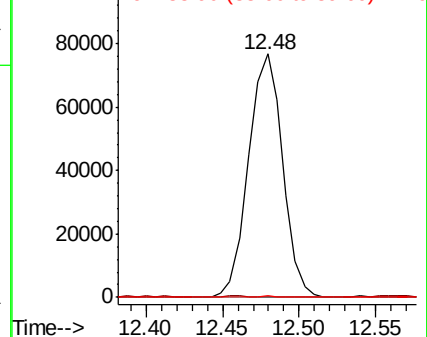
75 100

53 0.3 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



#84

1,2,4-Trimethylbenzene

Concen: 1.682 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY000772.D

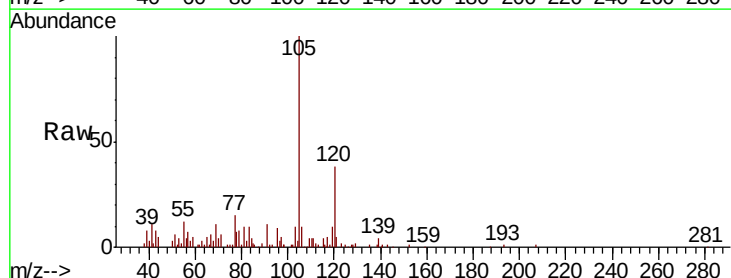
Acq: 21 Nov 2019 16:48

Tgt Ion: 105 Resp: 23863

Ion Ratio Lower Upper

105 100

120 40.9 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

