

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110619\
 Data File : VY000561.D
 Acq On : 06 Nov 2019 18:52
 Operator : SY/MD
 Sample : K5723-02
 Misc : 6.91G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 7-B

Quant Time: Nov 07 04:58:54 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	235060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	420737	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	360611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	147592	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	142697	58.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	117.32%	
35) Dibromofluoromethane	7.73	113	124884	50.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.12%	
50) Toluene-d8	10.18	98	496997	53.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.06%	
62) 4-Bromofluorobenzene	12.48	95	156749	43.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.86%	

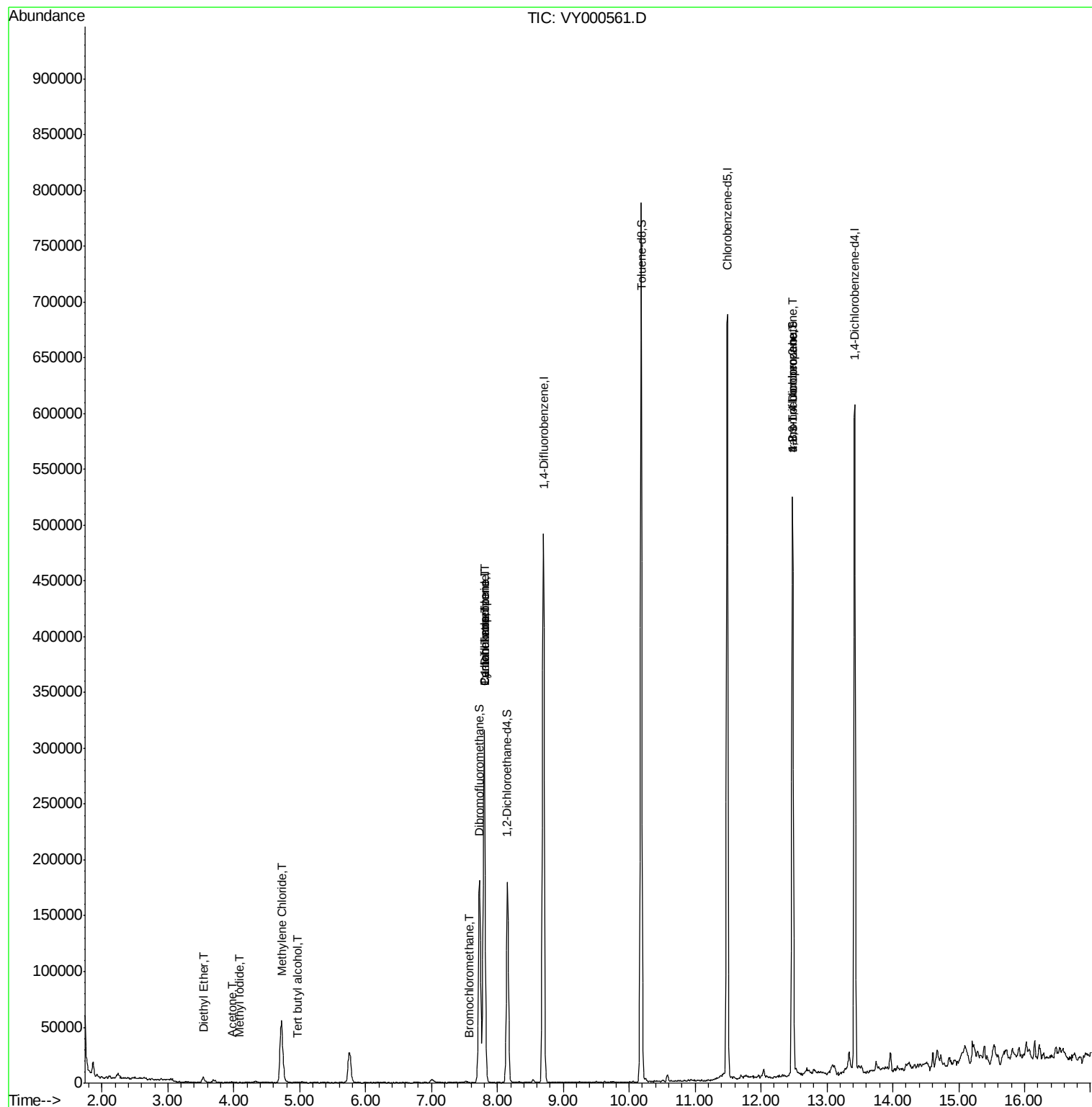
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	2746	1.933	ug/l	88
10) Methyl Iodide	4.09	142	57	3.216	ug/l #	41
11) Tert butyl alcohol	4.96	59	238	1.005	ug/l #	72
16) Acetone	3.97	43	1010	1.506	ug/l #	1
20) Methylene Chloride	4.72	84	40934	14.249	ug/l	92
28) Bromochloromethane	7.57	49	54	4.117	ug/l #	14
31) Cyclohexane	7.80	56	5826	1.237	ug/l #	23
36) 1,1-Dichloropropene	7.80	75	19169	4.819	ug/l #	48
38) Carbon Tetrachloride	7.80	117	24114	6.301	ug/l #	14
76) 1,2,3-Trichloropropane	12.48	75	80872	48.123	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	80872	107.898	ug/l #	13

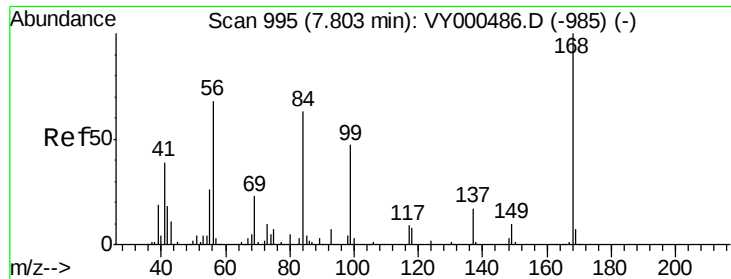
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000561.D

Acq: 06 Nov 2019 18:52

Instrument :

MSVOA_Y

ClientSampleId :

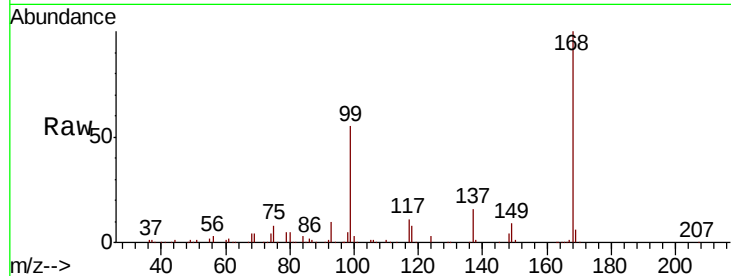
7-B

Tot Ion:168 Resp: 235060

Ion Ratio Lower Upper

168 100

99 54.9 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

120000

100000

80000

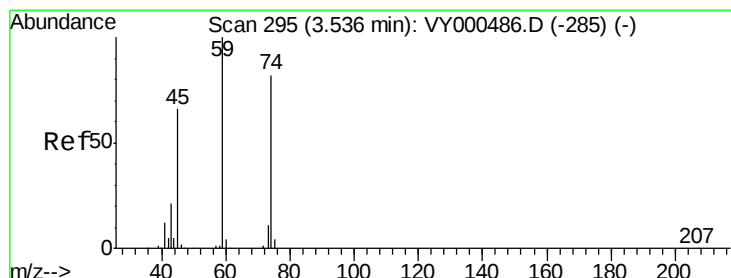
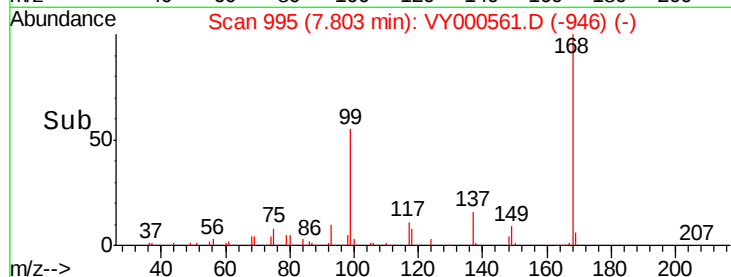
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.933 ug/l

RT: 3.54 min Scan# 295

Delta R.T. -0.00 min

Lab File: VY000561.D

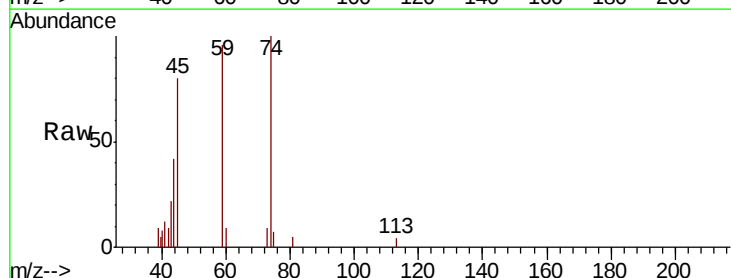
Acq: 06 Nov 2019 18:52

Tgt Ion: 74 Resp: 2746

Ion Ratio Lower Upper

74 100

45 101.9 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

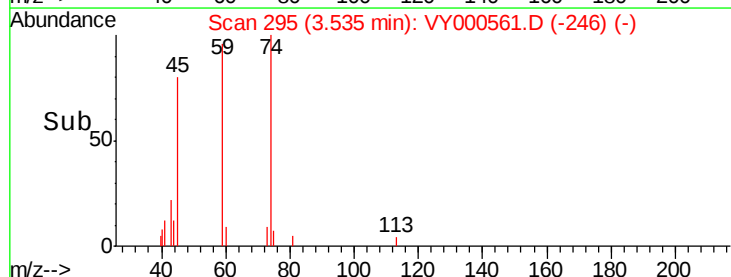
1500

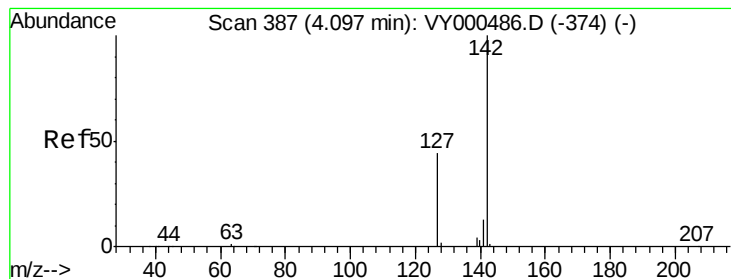
1000

500

0

Time-->





#10

Methyl Iodide

Concen: 3.216 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000561.D

Acq: 06 Nov 2019 18:52

Instrument :

MSVOA_Y

ClientSampled :

7-B

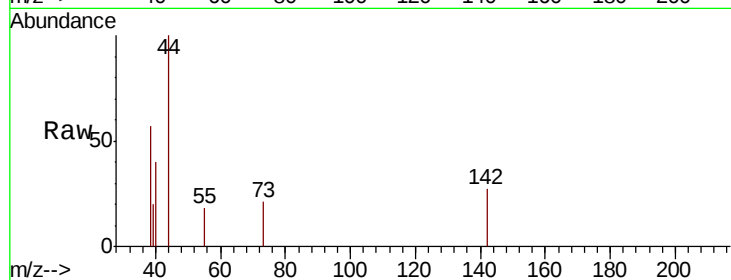
Tot Ion:142 Resp: 57

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

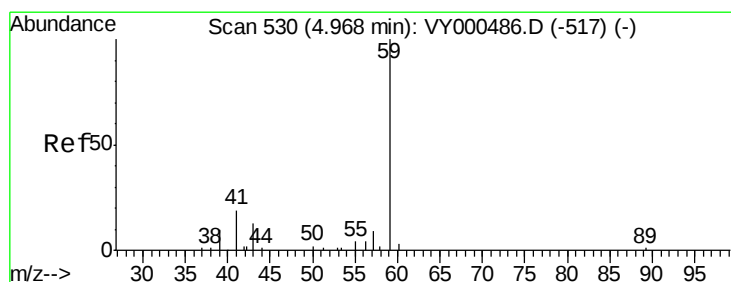
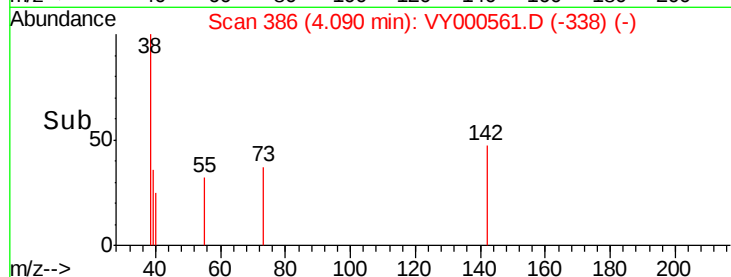
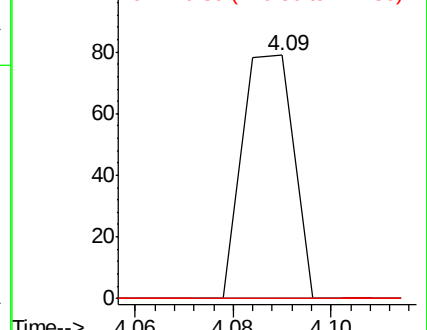
141 0.0 10.9 16.3#



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



#11

Tert butyl alcohol

Concen: 1.005 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY000561.D

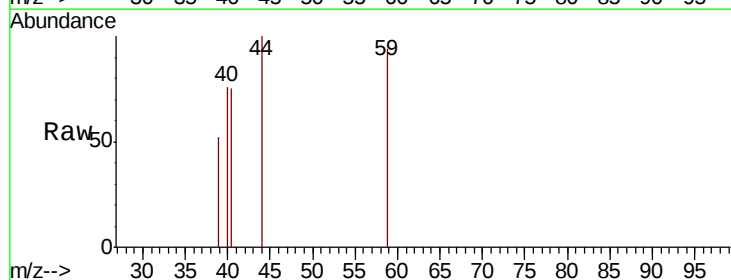
Acq: 06 Nov 2019 18:52

Tgt Ion: 59 Resp: 238

Ion Ratio Lower Upper

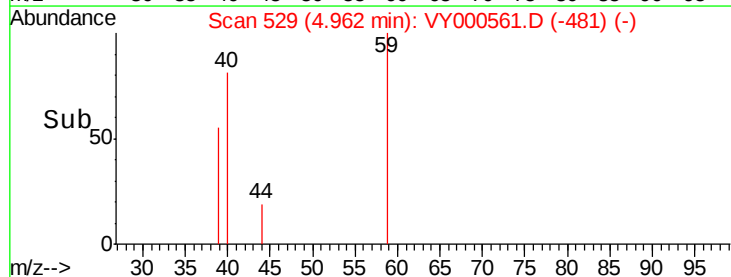
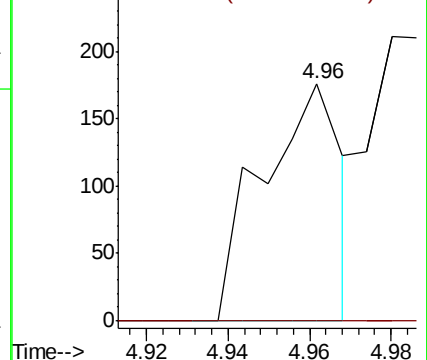
59 100

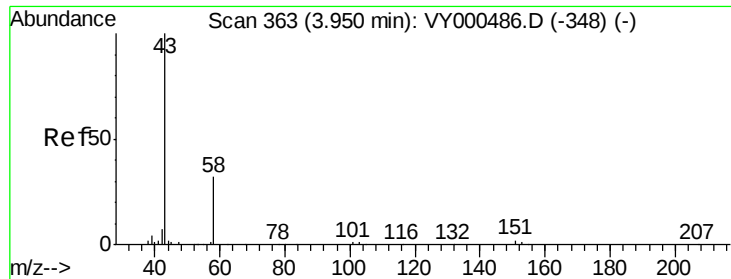
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 1.506 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY000561.D

Acq: 06 Nov 2019 18:52

Instrument :

MSVOA_Y

ClientSampleId :

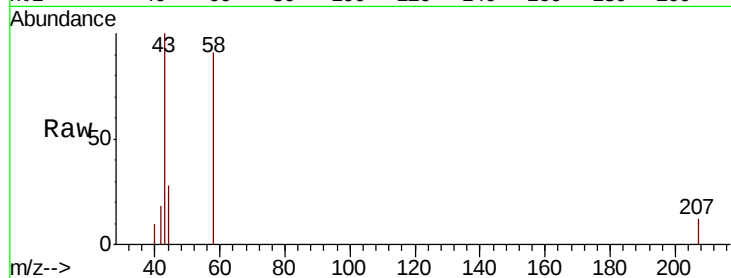
7-B

Tot Ion: 43 Resp: 1010

Ion Ratio Lower Upper

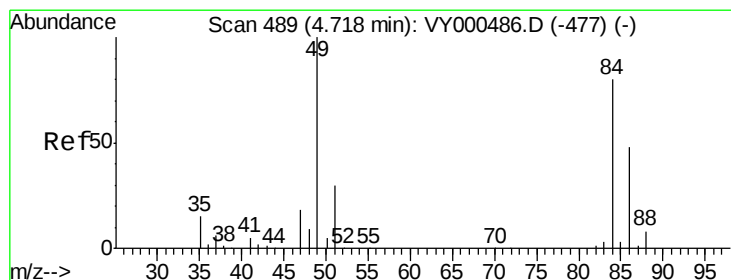
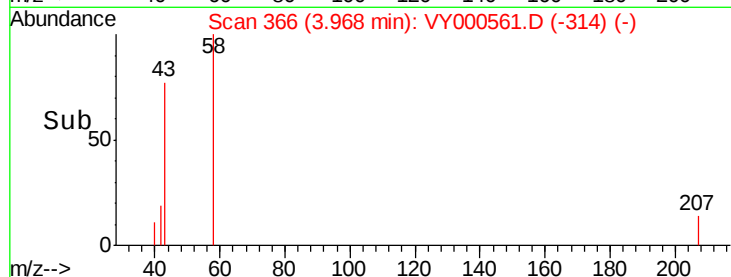
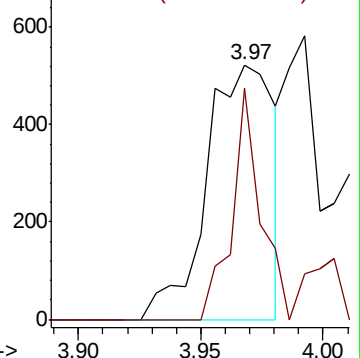
43 100

58 90.6 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 14.249 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000561.D

Acq: 06 Nov 2019 18:52

Tgt Ion: 84 Resp: 40934

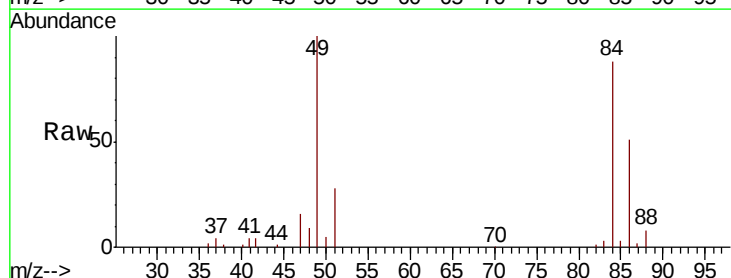
Ion Ratio Lower Upper

84 100

49 113.8 100.2 150.4

51 31.8 29.6 44.4

86 57.8 48.3 72.5

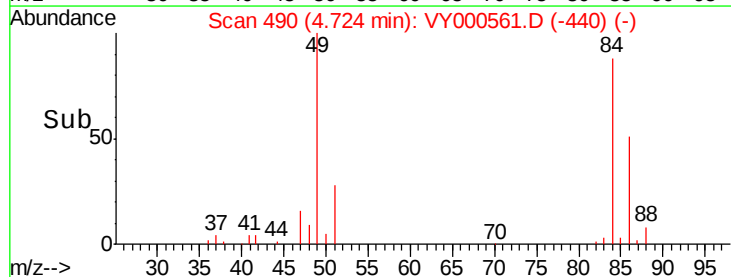
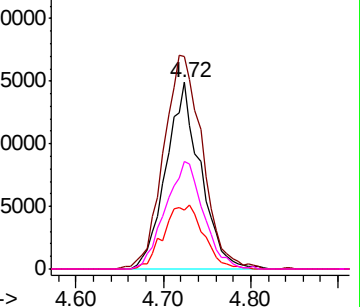


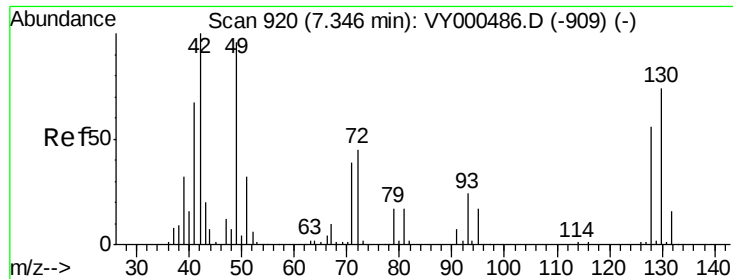
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#28

Bromochloromethane

Concen: 4.117 ug/l

RT: 7.57 min Scan# 957

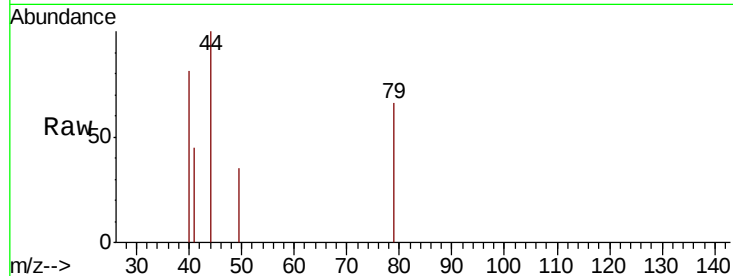
Delta R.T. 0.23 min

Lab File: VY000561.D

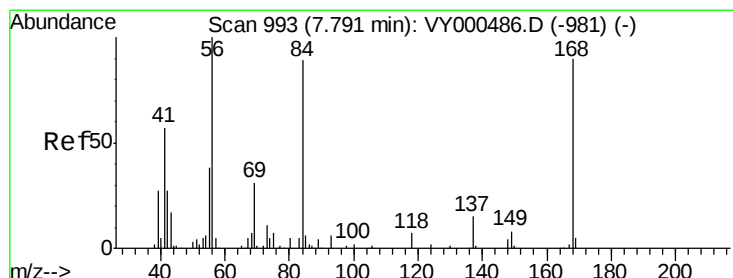
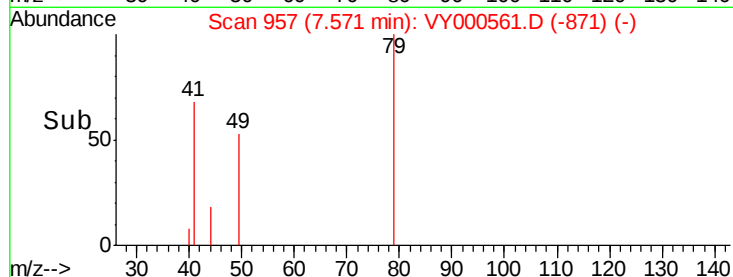
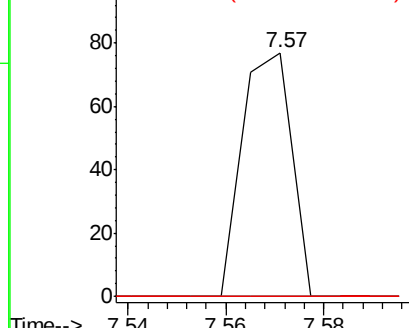
Acq: 06 Nov 2019 18:52

Instrument :
MSVOA_Y
ClientSampled :
7-B

Tot Ion: 49 Resp: 54
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0



#31

Cyclohexane

Concen: 1.237 ug/l

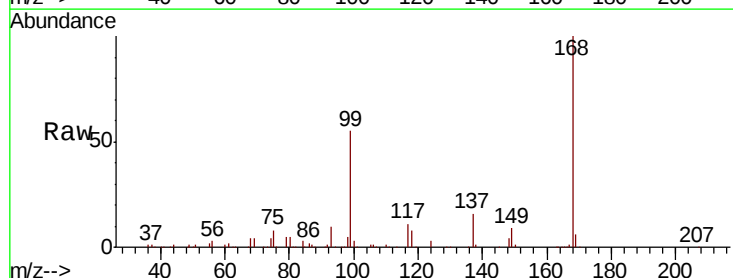
RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

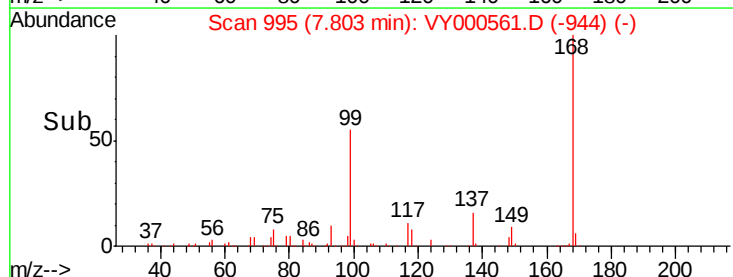
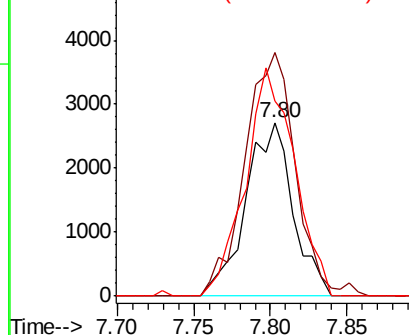
Lab File: VY000561.D

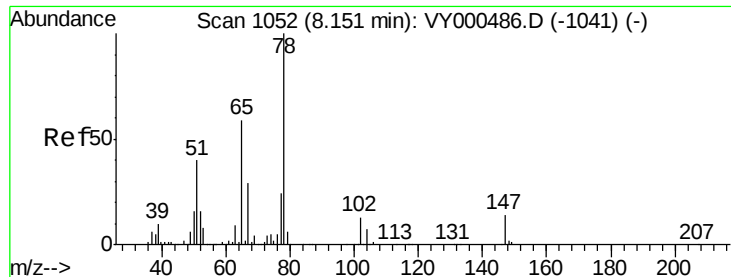
Acq: 06 Nov 2019 18:52

Tgt Ion: 56 Resp: 5826
Ion Ratio Lower Upper
56 100
69 140.2 25.0 37.6#
84 121.7 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: 58.661 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY000561.D

Acq: 06 Nov 2019 18:52

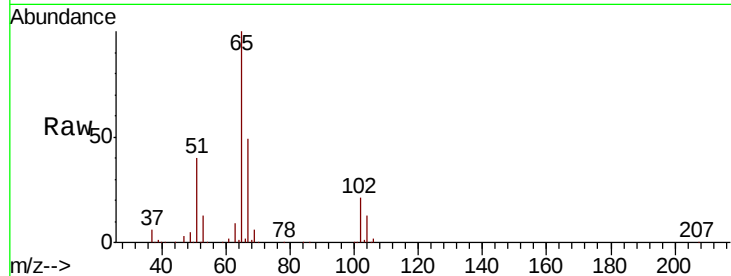
Instrument :
MSVOA_Y
ClientSampleId :
7-B

Tot Ion: 65 Resp: 142697

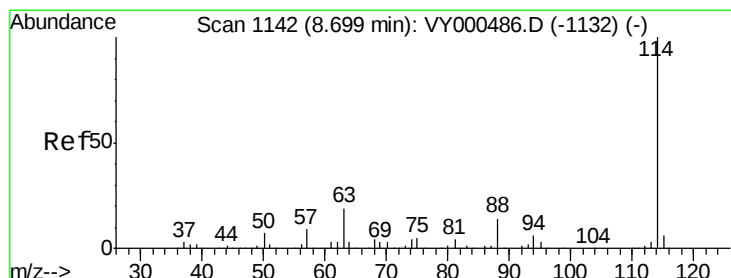
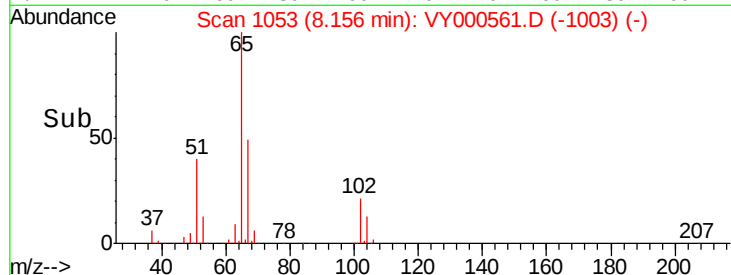
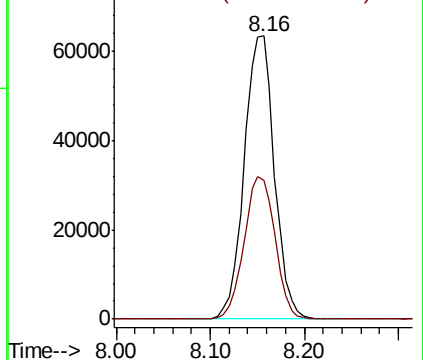
Ion Ratio Lower Upper

65 100

67 51.7 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: VY000561.D

Acq: 06 Nov 2019 18:52

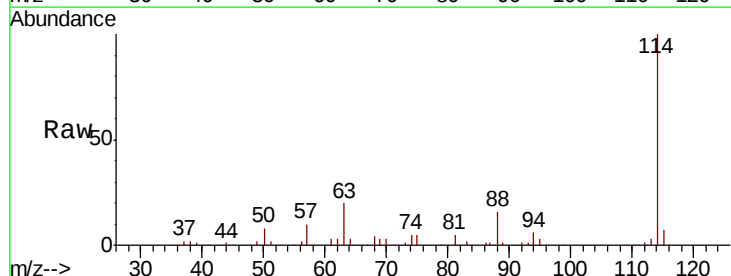
Tgt Ion: 114 Resp: 420737

Ion Ratio Lower Upper

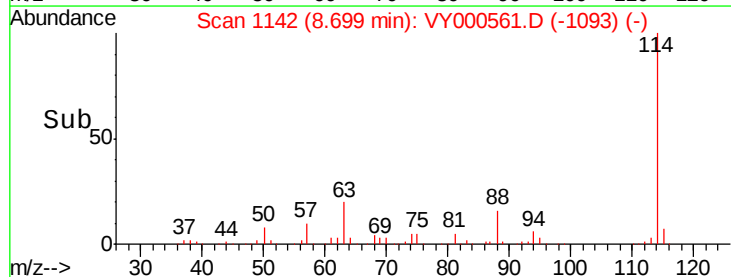
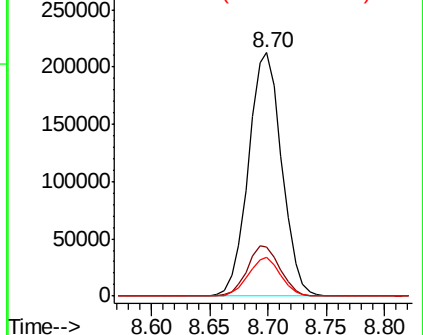
114 100

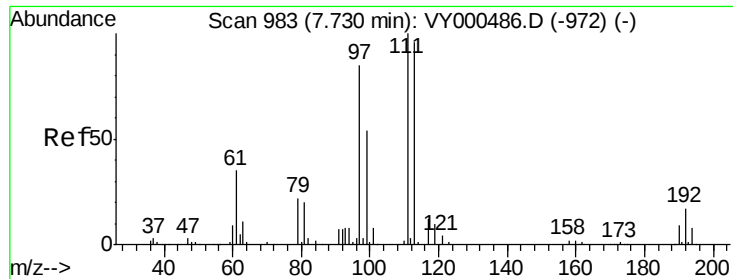
63 20.0 0.0 38.0

88 15.8 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

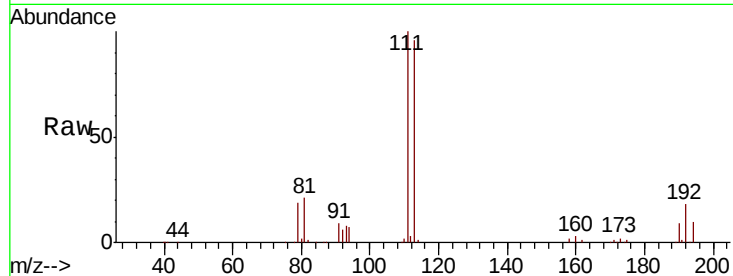




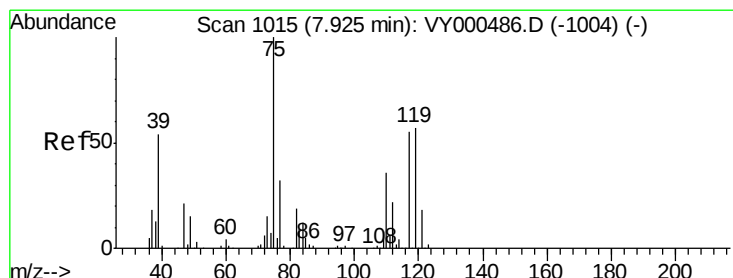
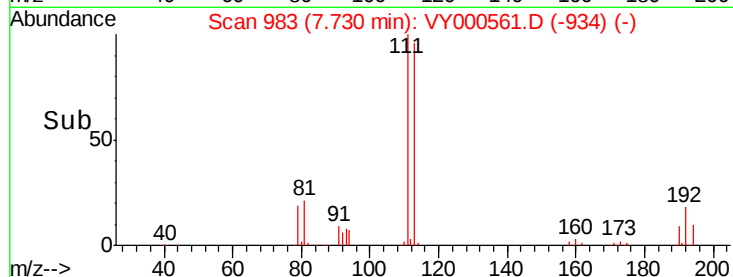
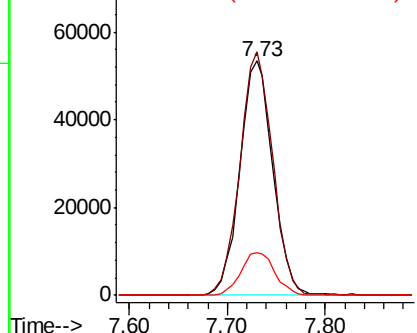
#35
Dibromofluoromethane
Concen: 50.560 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000561.D
Acq: 06 Nov 2019 18:52

Instrument :
MSVOA_Y
ClientSampleId :
7-B

Tot Ion:113 Resp: 124884
Ion Ratio Lower Upper
113 100
111 103.6 81.7 122.5
192 18.8 15.0 22.4

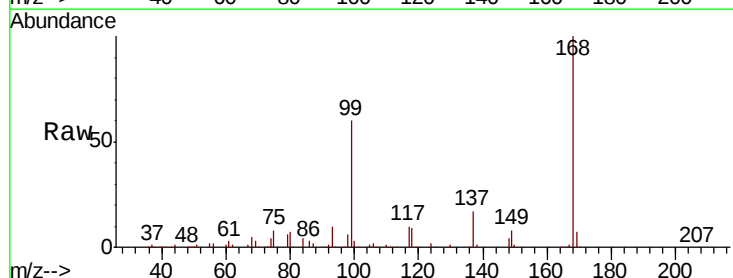


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

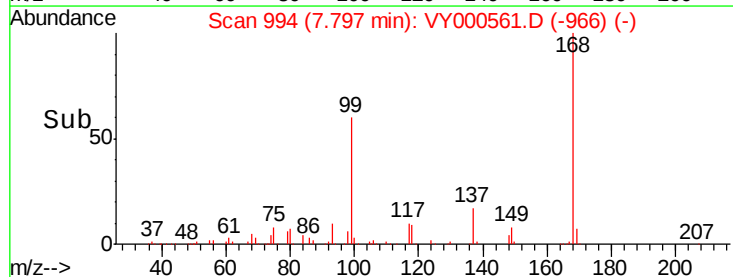
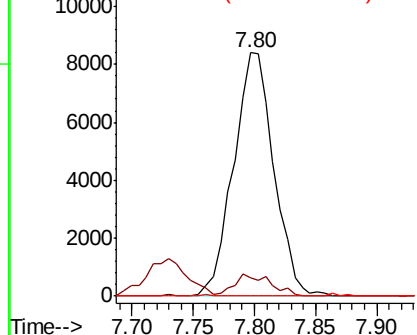


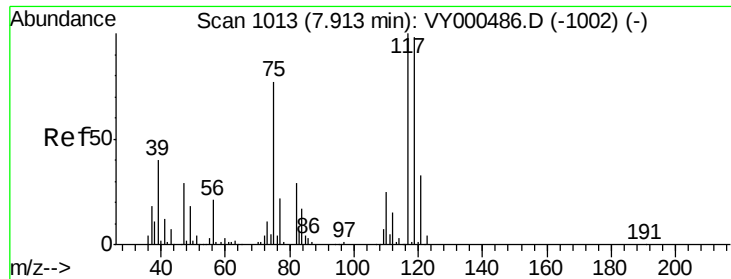
#36
1,1-Dichloropropene
Concen: 4.819 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.13 min
Lab File: VY000561.D
Acq: 06 Nov 2019 18:52

Tgt Ion: 75 Resp: 19169
Ion Ratio Lower Upper
75 100
110 8.2 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: 6.301 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000561.D

Acq: 06 Nov 2019 18:52

Instrument :

MSVOA_Y

ClientSampleId :

7-B

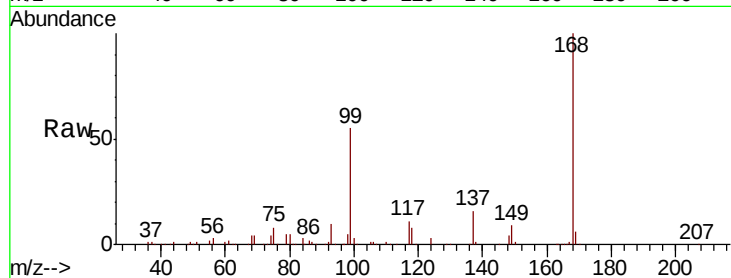
Tot Ion:117 Resp: 24114

Ion Ratio Lower Upper

117 100

119 3.8 78.0 117.0#

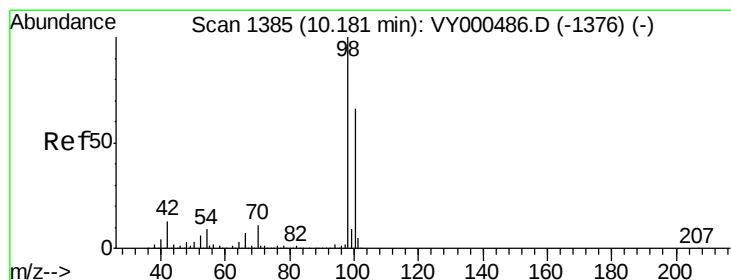
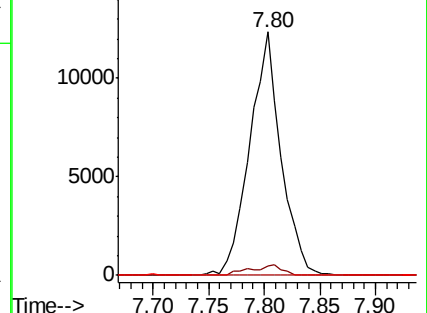
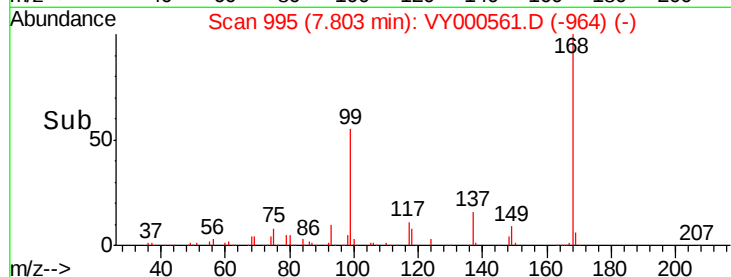
121 0.0 26.6 40.0#



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: 53.028 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000561.D

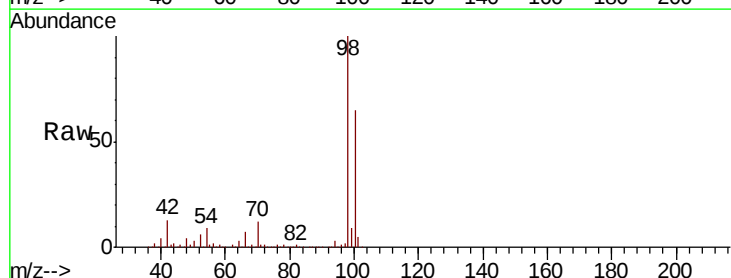
Acq: 06 Nov 2019 18:52

Tgt Ion: 98 Resp: 496997

Ion Ratio Lower Upper

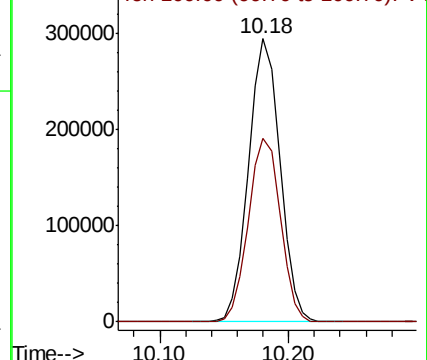
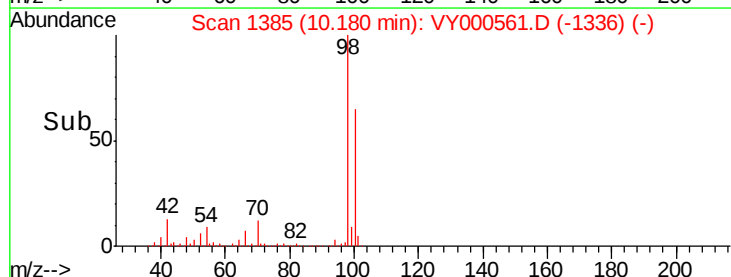
98 100

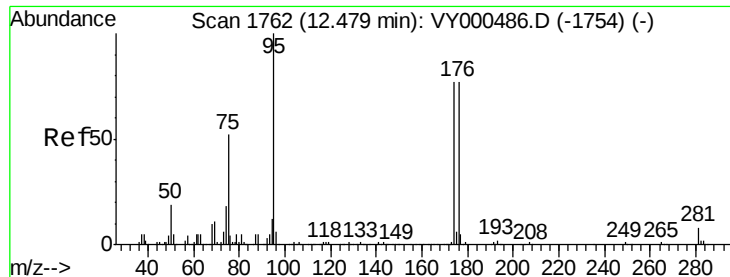
100 66.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 43.932 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000561.D

Acq: 06 Nov 2019 18:52

Instrument :

MSVOA_Y

ClientSampled :

7-B

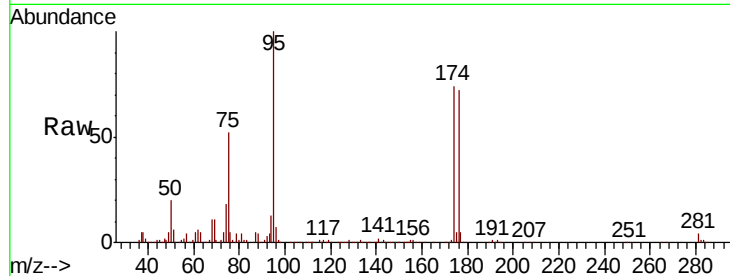
Tot Ion: 95 Resp: 156749

Ion Ratio Lower Upper

95 100

174 77.8 0.0 161.6

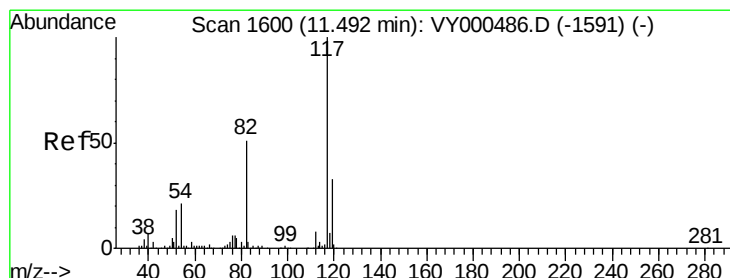
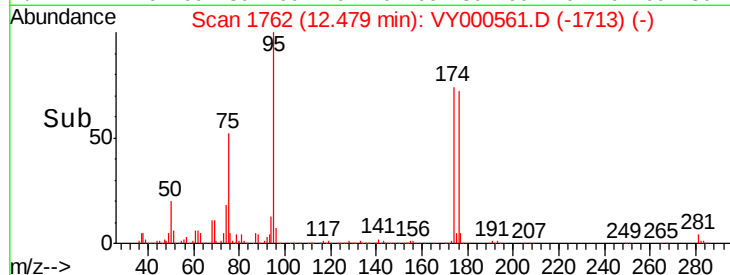
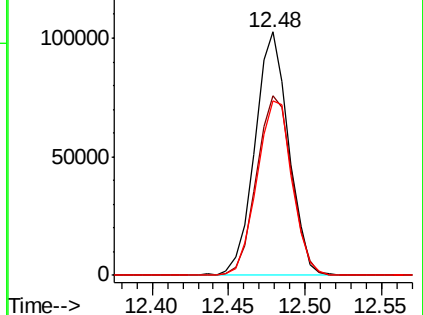
176 75.5 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VY000561.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY000561.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY000561.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY000561.D

Acq: 06 Nov 2019 18:52

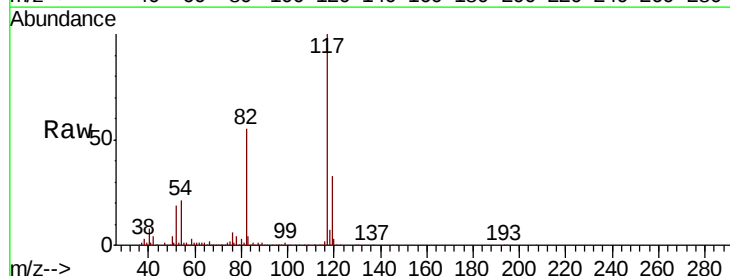
Tgt Ion: 117 Resp: 360611

Ion Ratio Lower Upper

117 100

82 54.9 40.8 61.2

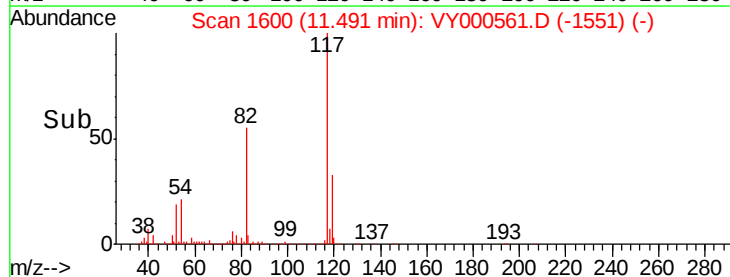
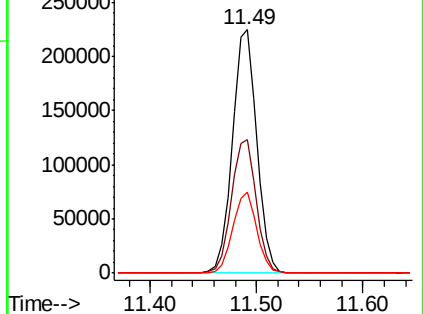
119 33.4 26.2 39.2

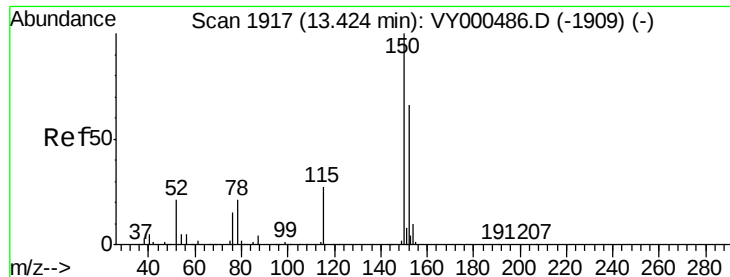


Abundance Ion 116.90 (116.60 to 117.60): VY000561.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY000561.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY000561.D (-1551) (-)



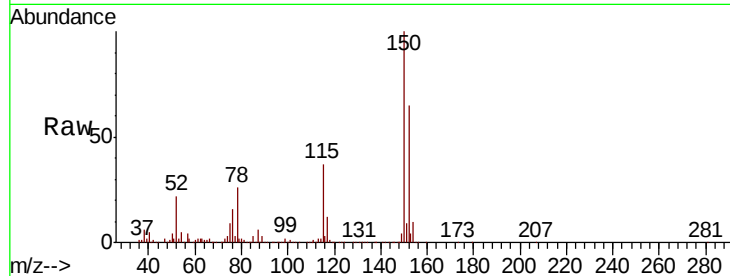


#72

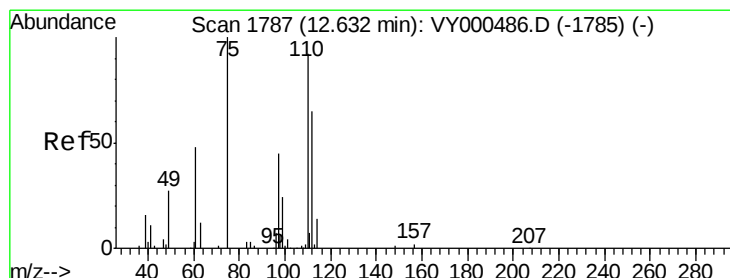
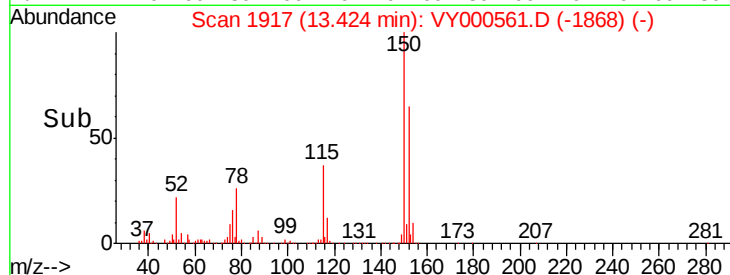
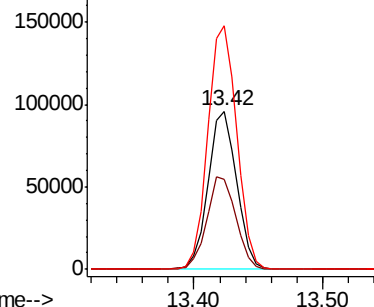
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000561.D
Acq: 06 Nov 2019 18:52

Instrument :
MSVOA_Y
ClientSampleId :
7-B

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.2	29.1	87.4
150	155.5	0.0	348.8



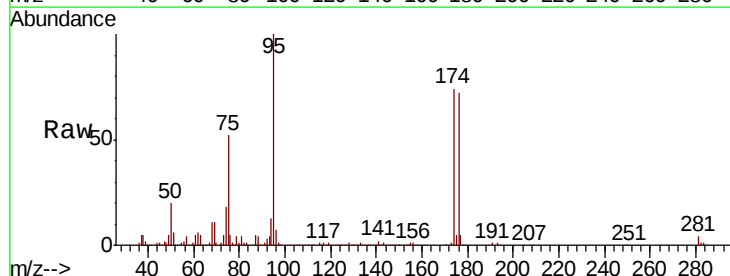
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



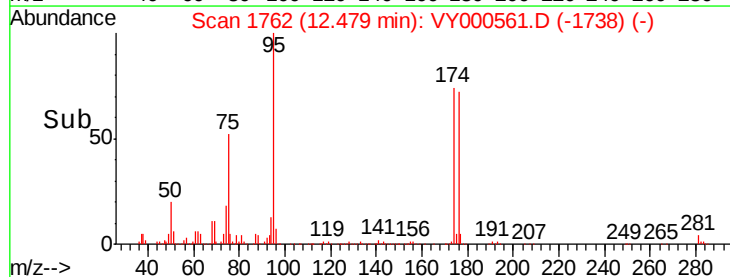
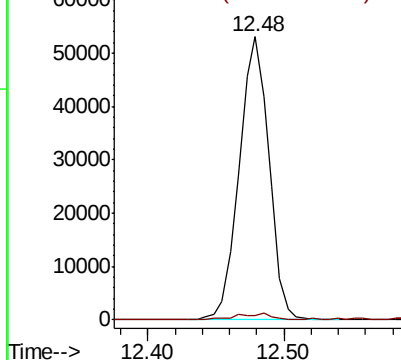
#76

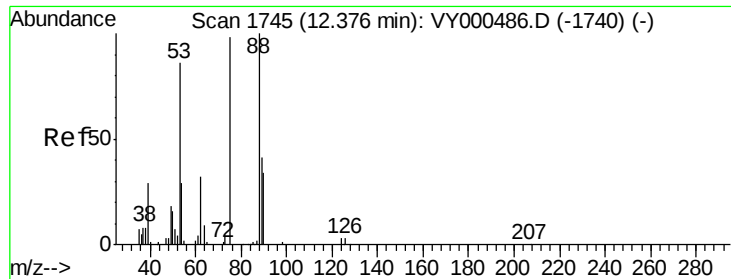
1,2,3-Trichloropropane
Concen: 48.123 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000561.D
Acq: 06 Nov 2019 18:52

Tgt 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: 107.898 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000561.D

Acq: 06 Nov 2019 18:52

Instrument :

MSVOA_Y

ClientSampleId :

7-B

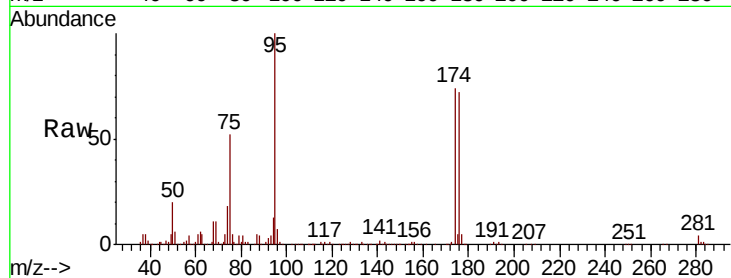
Tot Ion: 75 Resp: 80872

Ion Ratio Lower Upper

75 100

53 0.4 73.2 109.8#

89 0.2 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

