

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111819\
 Data File : VY000731.D
 Acq On : 18 Nov 2019 16:48
 Operator : SY/MD
 Sample : K5908-01
 Misc : 6.87G/5ML/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-8D-(12-18)

Quant Time: Nov 18 17:53:37 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	173785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	326021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	270872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	92508	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	107373	59.70	ug/l	0.00
Spiked Amount			Recovery	=	119.40%	
35) Dibromofluoromethane	7.72	113	100341	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
50) Toluene-d8	10.18	98	381613	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.48	95	104184	37.68	ug/l	0.00
Spiked Amount			Recovery	=	75.36%	

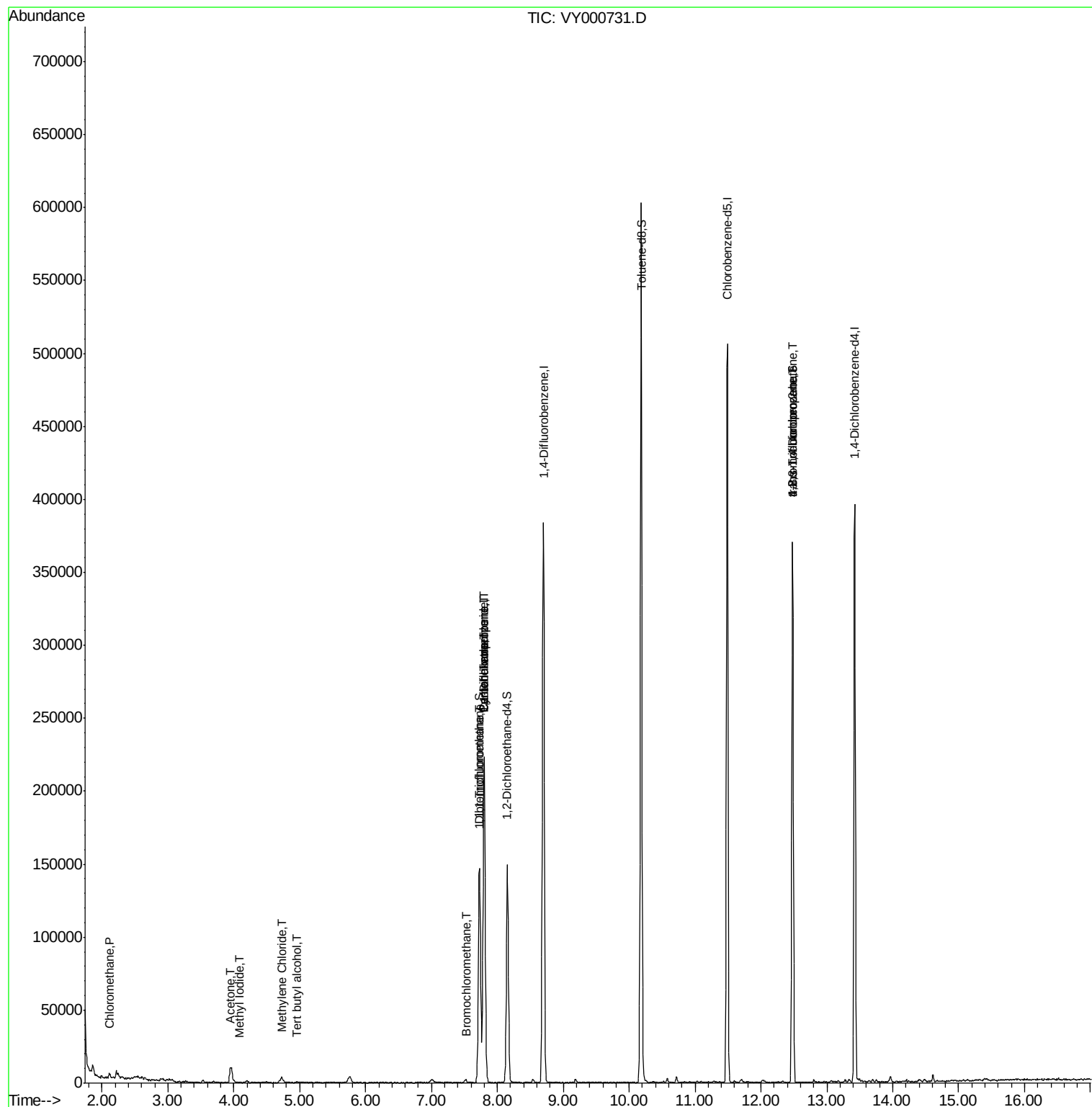
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	2381	1.010	ug/l #	76
10) Methyl Iodide	4.09	142	90	3.235	ug/l #	41
11) Tert butyl alcohol	4.96	59	674	3.850	ug/l #	72
16) Acetone	3.94	43	19032	38.396	ug/l #	82
20) Methylene Chloride	4.72	84	2747	1.293	ug/l #	70
28) Bromochloromethane	7.53	49	21	4.105	ug/l #	14
31) Cyclohexane	7.80	56	4530	1.301	ug/l #	49
32) 1,1,1-Trichloroethane	7.72	97	3005	1.003	ug/l #	49
36) 1,1-Dichloropropene	7.80	75	15072	4.890	ug/l #	49
38) Carbon Tetrachloride	7.80	117	17246	5.815	ug/l #	14
76) 1,2,3-Trichloropropane	12.48	75	58121	55.178	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	58121	123.717	ug/l #	13

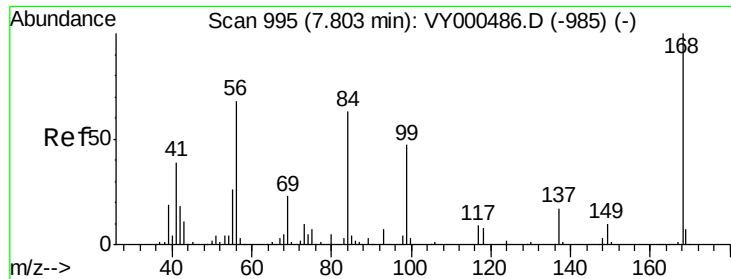
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000731.D

Acq: 18 Nov 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

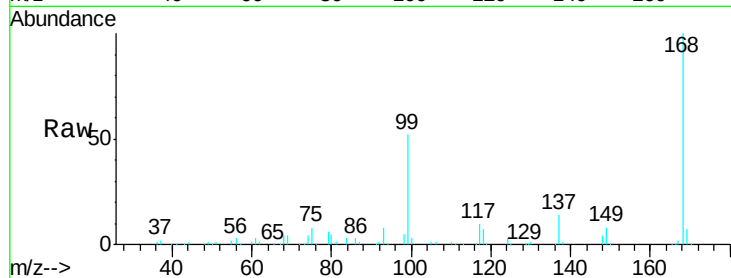
B-8D-(12-18)

Tgt Ion:168 Resp: 173785

Ion Ratio Lower Upper

168 100

99 52.4 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

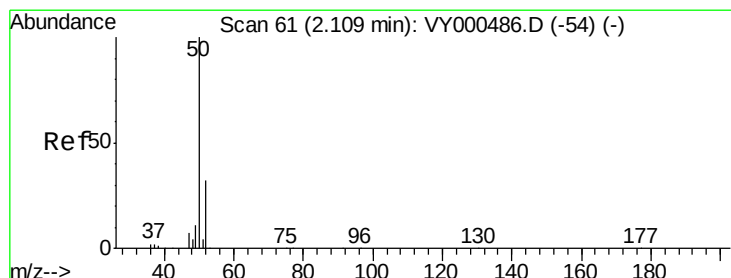
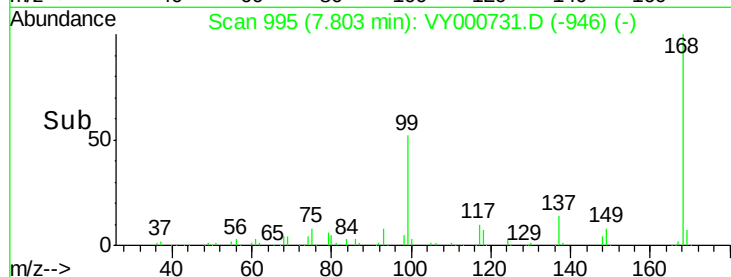
0

7.70

7.80

7.90

Time-->



#3

Chloromethane

Concen: 1.010 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.00 min

Lab File: VY000731.D

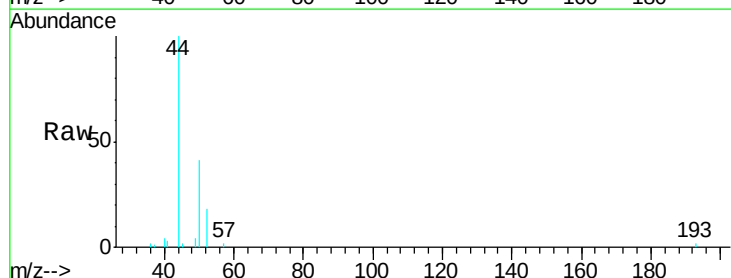
Acq: 18 Nov 2019 16:48

Tgt Ion: 50 Resp: 2381

Ion Ratio Lower Upper

50 100

52 44.7 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VY000486.D (-54) (-)

Ion 51.90 (51.60 to 52.60): VY000486.D (-54) (-)

2.11

1500

1000

500

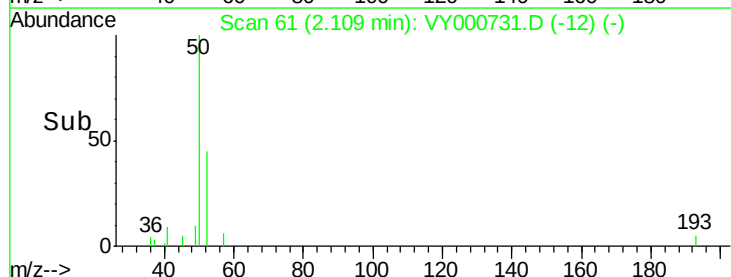
0

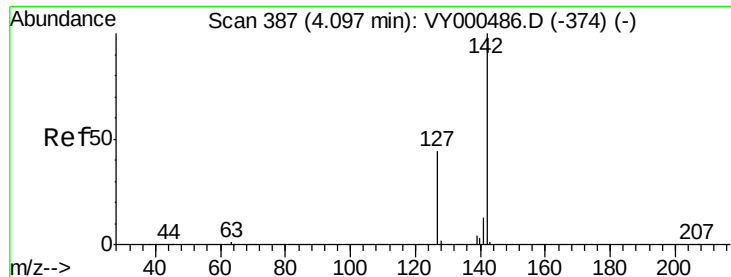
2.05

2.10

2.15

Time-->

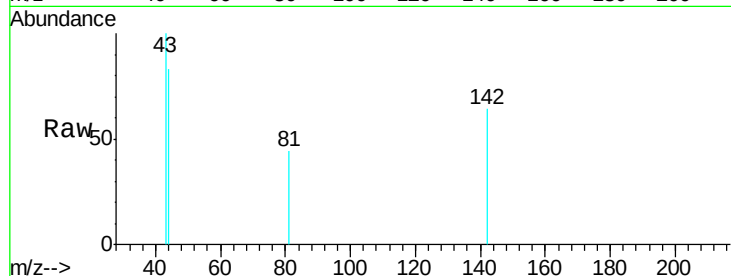




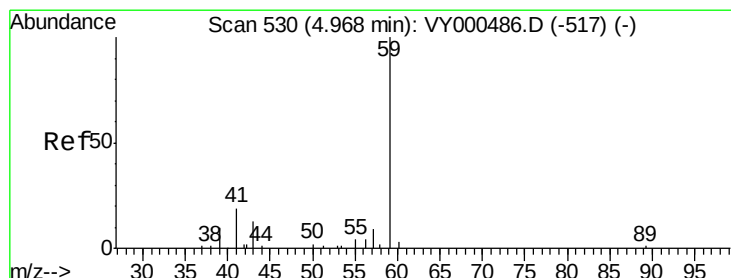
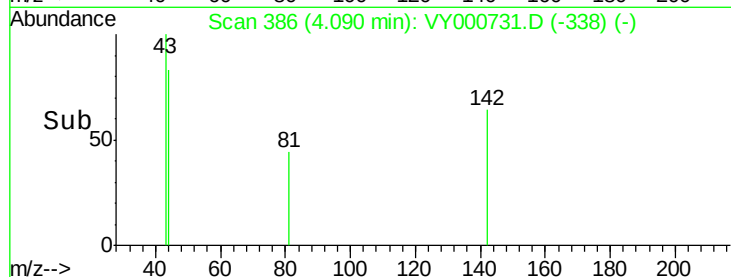
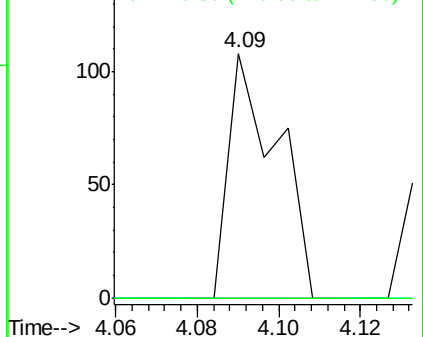
#10
Methyl Iodide
Concen: 3.235 ug/l
RT: 4.09 min Scan# 386
Delta R.T. -0.01 min
Lab File: VY000731.D
Acq: 18 Nov 2019 16:48

Instrument :
MSVOA_Y
ClientSampled :
B-8D-(12-18)

Tgt Ion: 142 Resp: 90
Ion Ratio Lower Upper
142 100
127 0.0 33.7 50.5#
141 0.0 10.9 16.3#

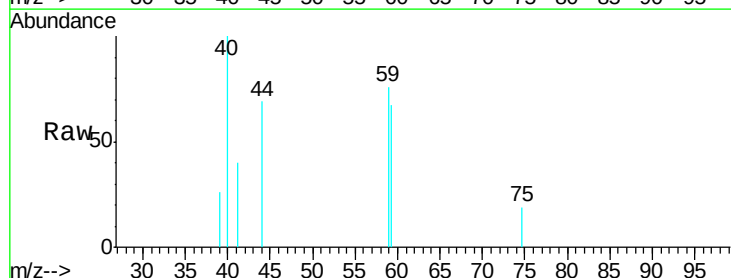


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

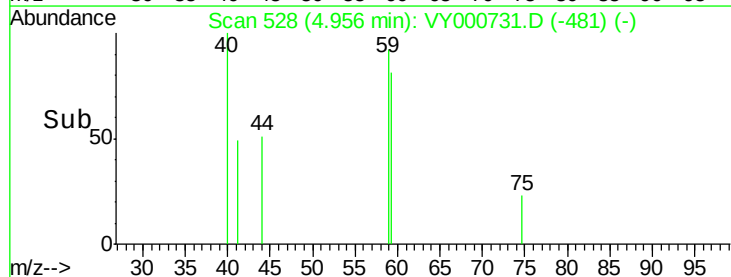
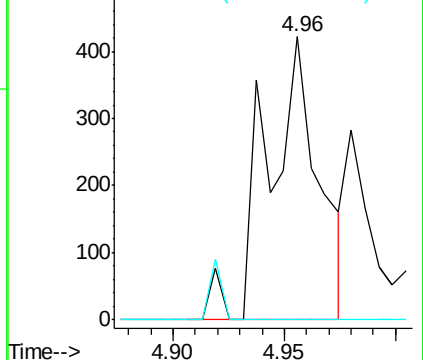


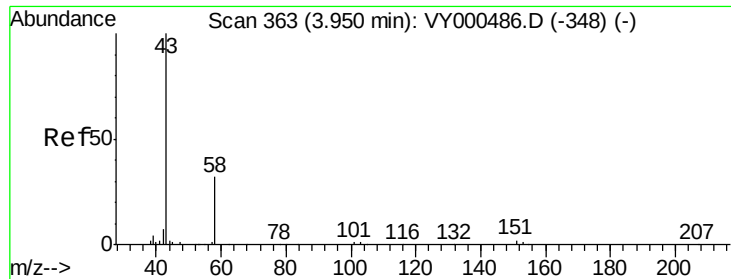
#11
Tert butyl alcohol
Concen: 3.850 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY000731.D
Acq: 18 Nov 2019 16:48

Tgt Ion: 59 Resp: 674
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: 38.396 ug/l

RT: 3.94 min Scan# 362

Delta R.T. -0.01 min

Lab File: VY000731.D

Acq: 18 Nov 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

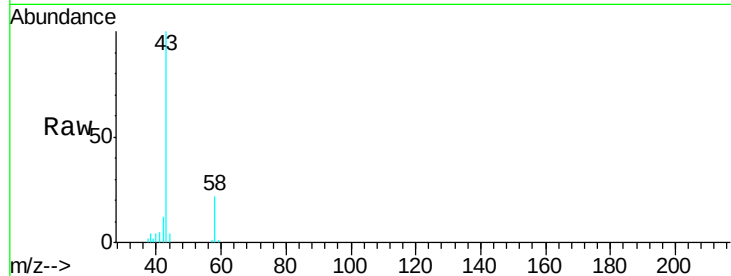
B-8D-(12-18)

Tgt Ion: 43 Resp: 19032

Ion Ratio Lower Upper

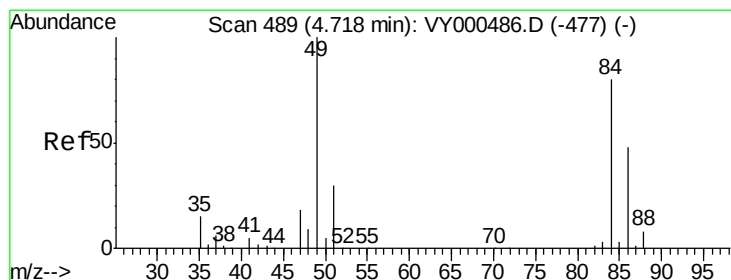
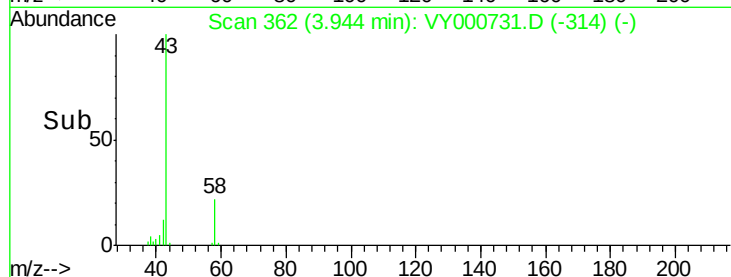
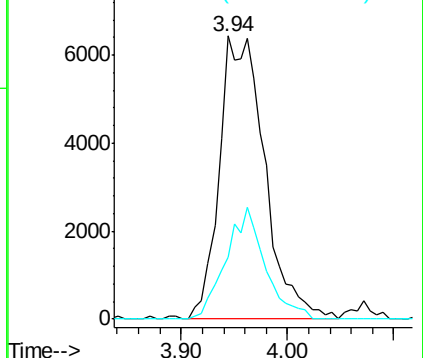
43 100

58 21.9 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: 1.293 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000731.D

Acq: 18 Nov 2019 16:48

Tgt Ion: 84 Resp: 2747

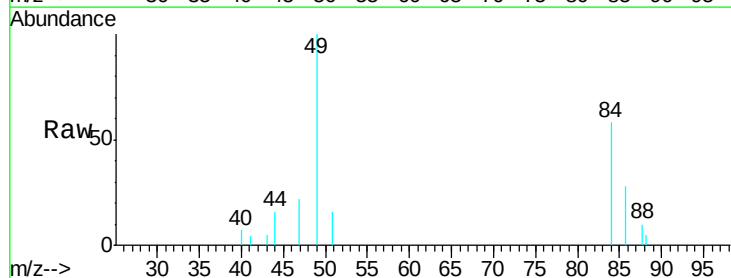
Ion Ratio Lower Upper

84 100

49 171.6 100.2 150.4#

51 26.7 29.6 44.4#

86 47.5 48.3 72.5#

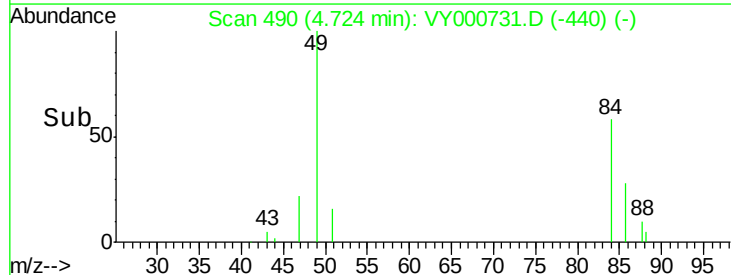
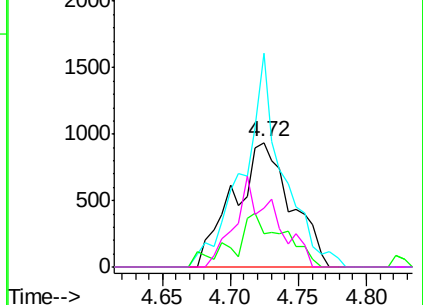


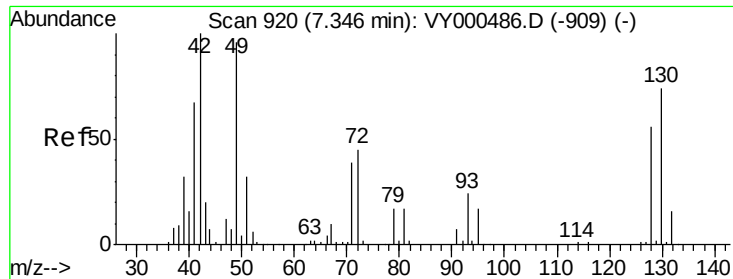
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 4.105 ug/l

RT: 7.53 min Scan# 951

Delta R.T. 0.19 min

Lab File: VY000731.D

Acq: 18 Nov 2019 16:48

Instrument :

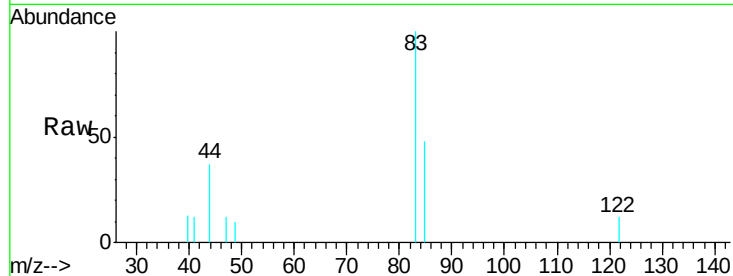
MSVOA_Y

ClientSampleId :

B-8D-(12-18)

Tgt Ion: 49 Resp: 21

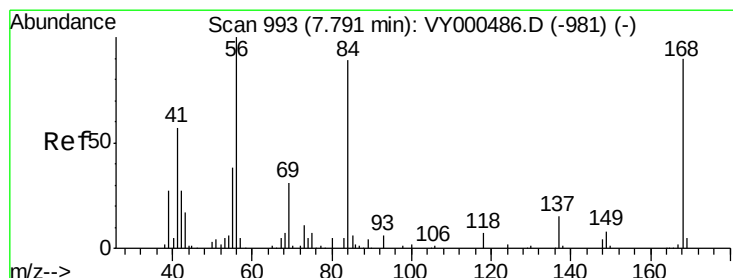
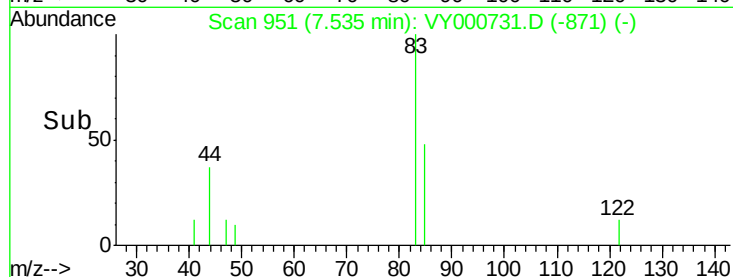
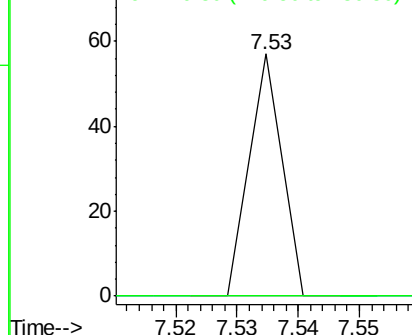
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	59.4	89.0#



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: 1.301 ug/l

RT: 7.80 min Scan# 994

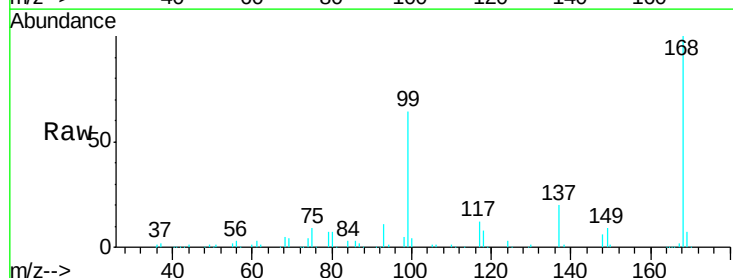
Delta R.T. 0.01 min

Lab File: VY000731.D

Acq: 18 Nov 2019 16:48

Tgt Ion: 56 Resp: 4530

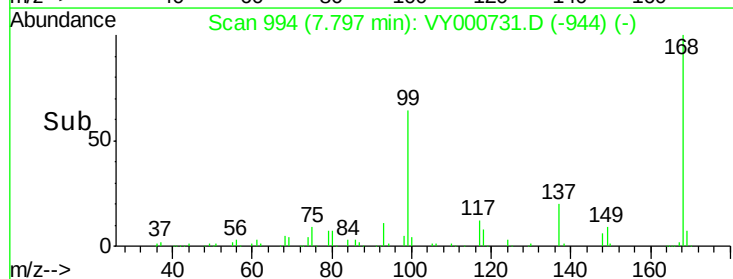
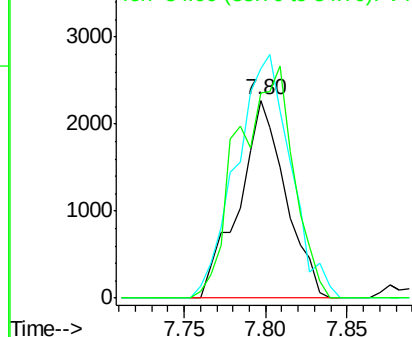
Ion	Ratio	Lower	Upper
56	100		
69	116.1	25.0	37.6#
84	103.6	71.4	107.2

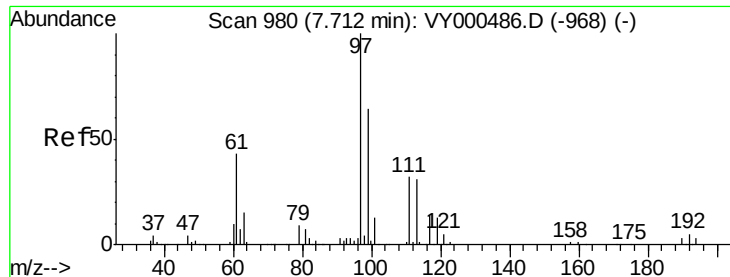


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#32

1,1,1-Trichloroethane

Concen: 1.003 ug/l

RT: 7.72 min Scan# 981

Delta R.T. 0.01 min

Lab File: VY000731.D

Acq: 18 Nov 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

B-8D-(12-18)

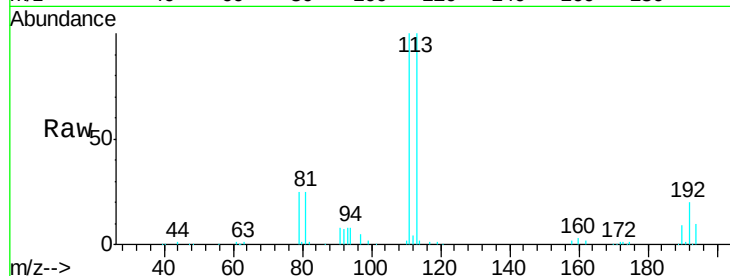
Tgt Ion: 97 Resp: 3005

Ion Ratio Lower Upper

97 100

99 0.0 50.9 76.3#

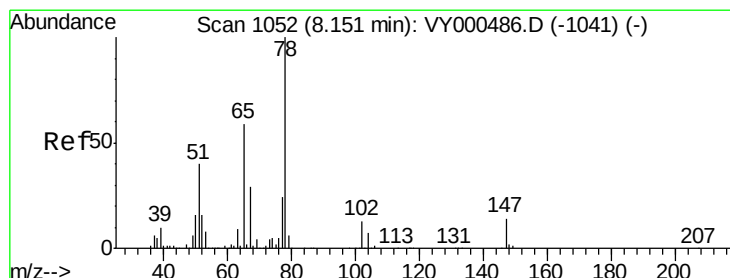
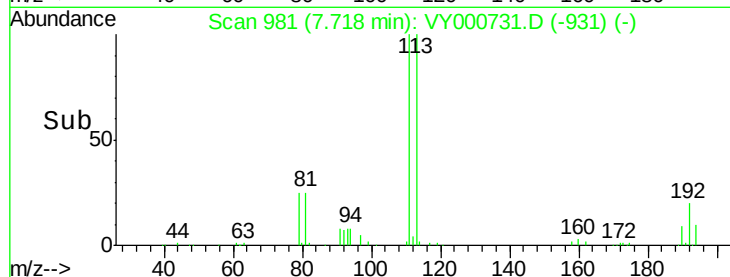
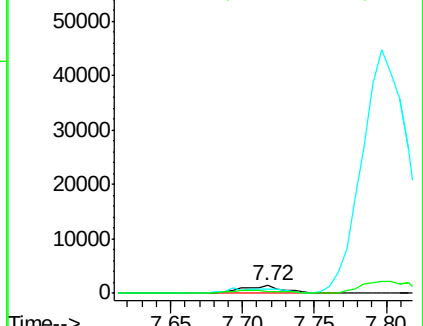
61 47.4 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0



#33

1,2-Dichloroethane-d4

Concen: 59.703 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000731.D

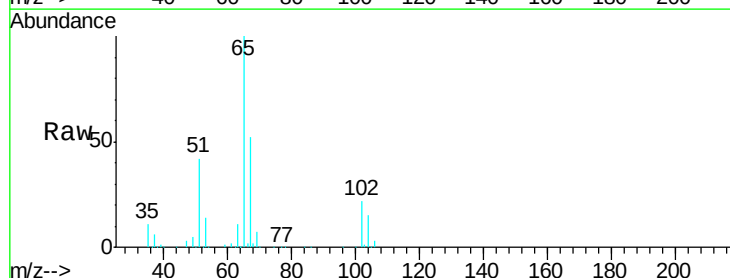
Acq: 18 Nov 2019 16:48

Tgt Ion: 65 Resp: 107373

Ion Ratio Lower Upper

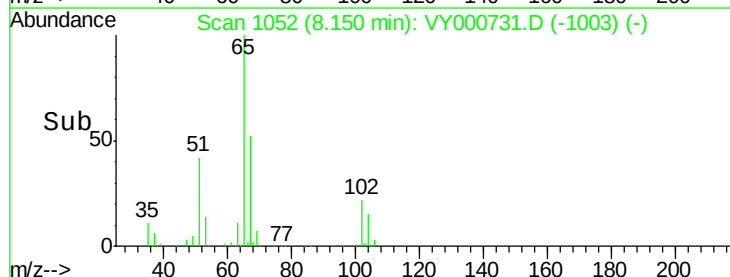
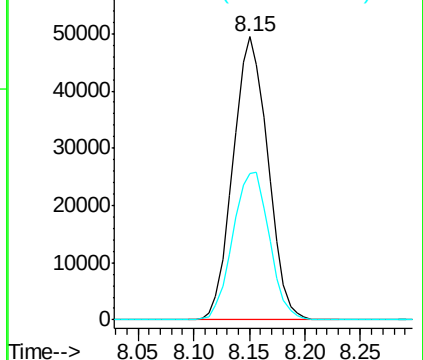
65 100

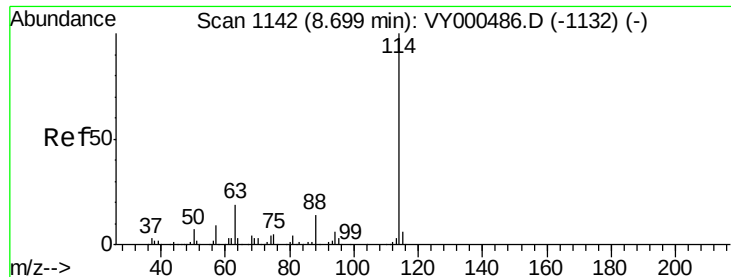
67 54.9 0.0 107.2



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: VY000731.D

Acq: 18 Nov 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

B-8D-(12-18)

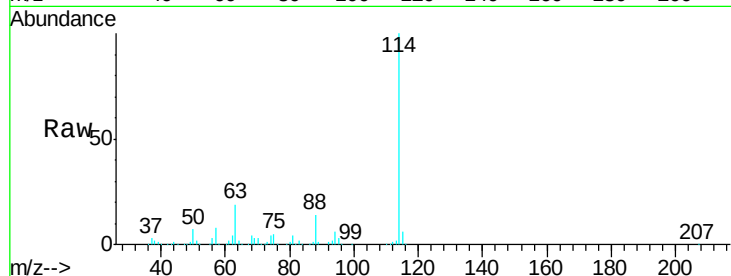
Tgt Ion:114 Resp: 326021

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.0

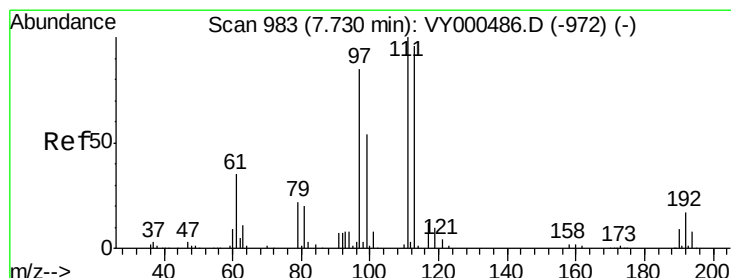
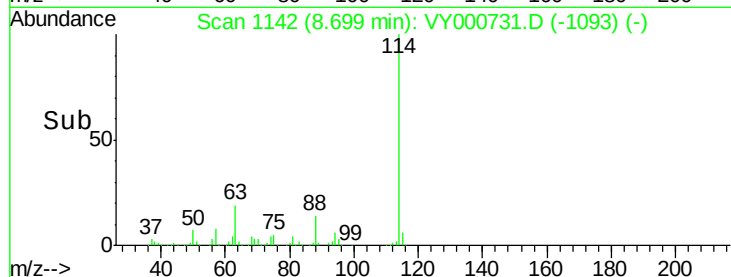
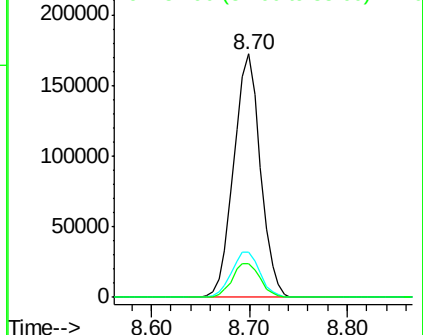
88 13.9 0.0 28.6



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: 52.426 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000731.D

Acq: 18 Nov 2019 16:48

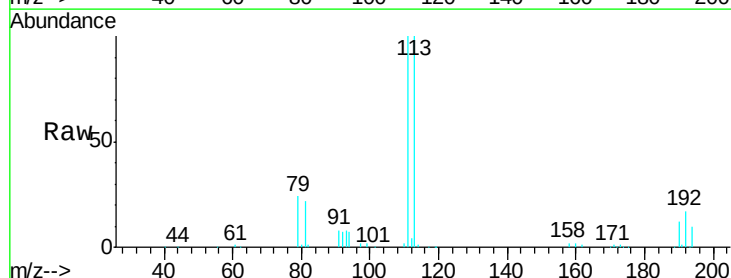
Tgt Ion:113 Resp: 100341

Ion Ratio Lower Upper

113 100

111 101.6 81.7 122.5

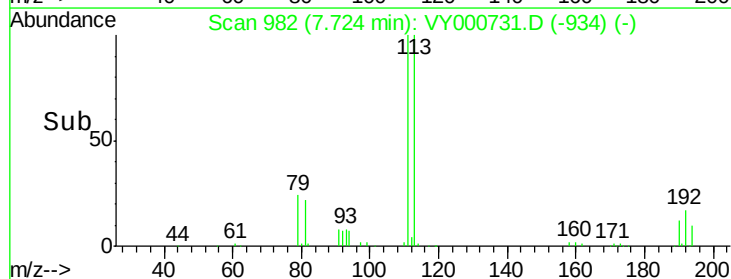
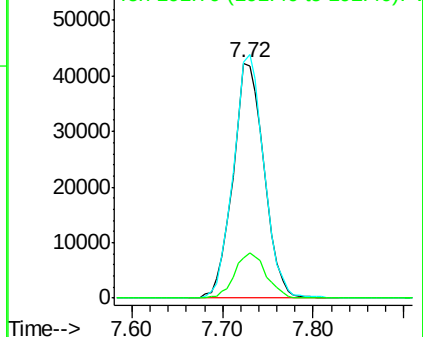
192 19.3 15.0 22.4

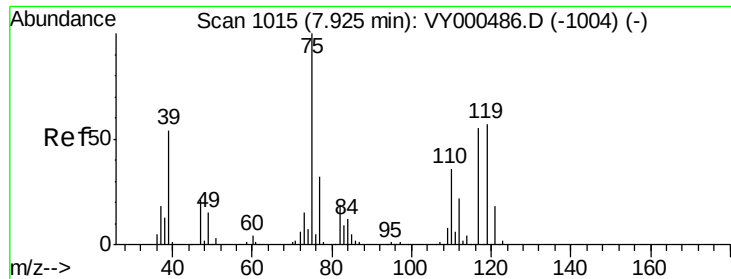


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

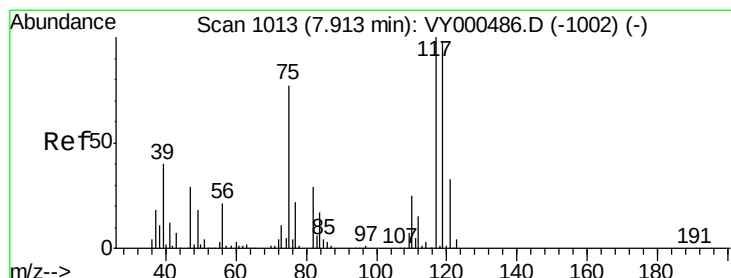
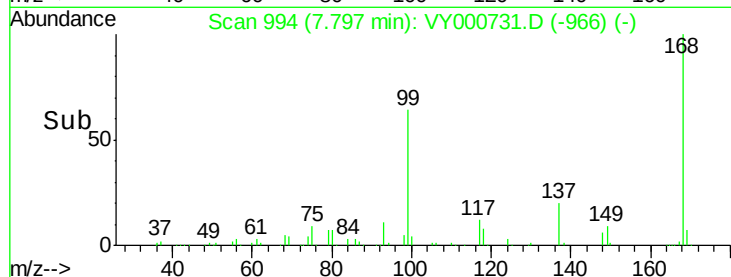
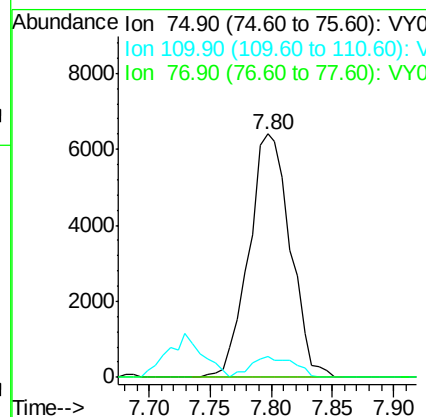
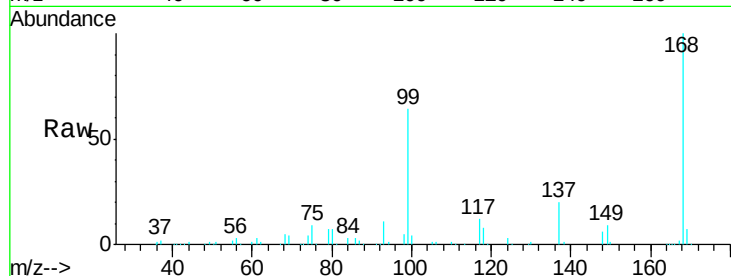




#36
 1,1-Dichloropropene
 Concen: 4.890 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000731.D
 Acq: 18 Nov 2019 16:48

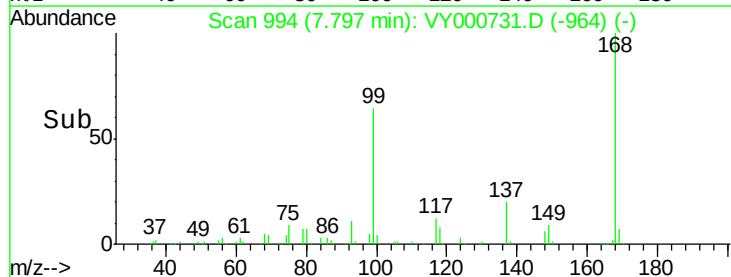
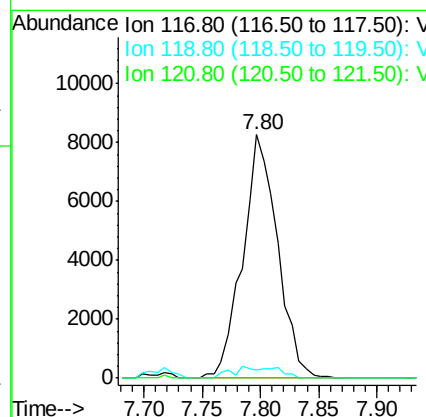
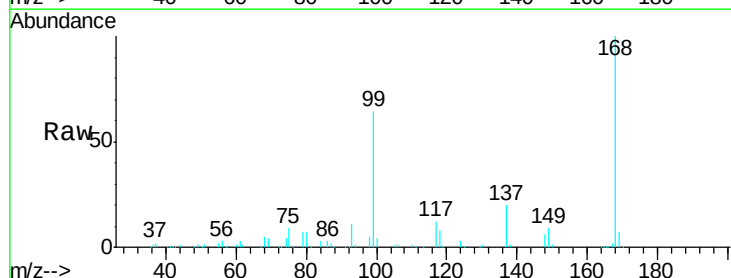
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-8D-(12-18)

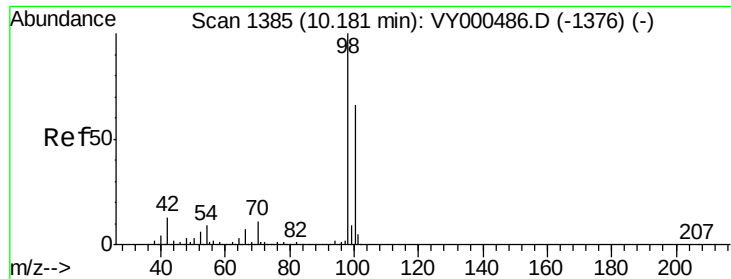
Tgt Ion: 75 Resp: 15072
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.1 54.1#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.815 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000731.D
 Acq: 18 Nov 2019 16:48

Tgt Ion: 117 Resp: 17246
 Ion Ratio Lower Upper
 117 100
 119 3.5 78.0 117.0#
 121 0.0 26.6 40.0#





#50

Toluene-d8

Concen: 52.546 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000731.D

Acq: 18 Nov 2019 16:48

Instrument :

MSVOA_Y

ClientSampled :

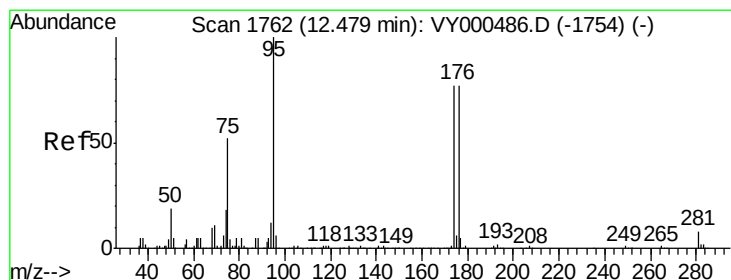
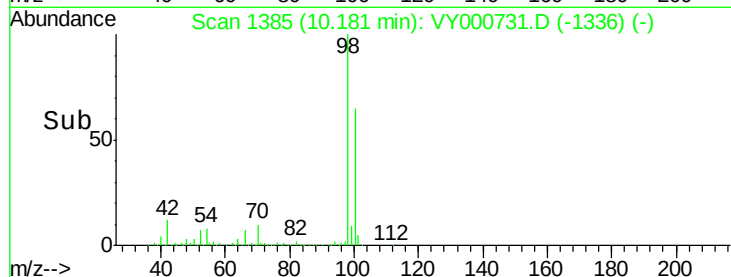
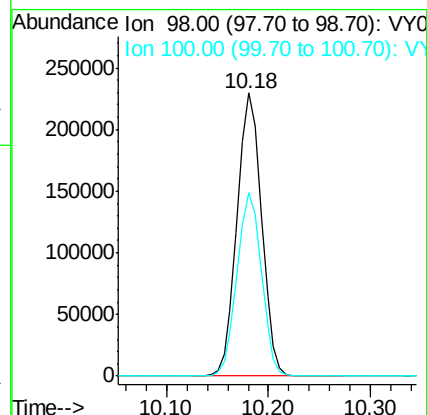
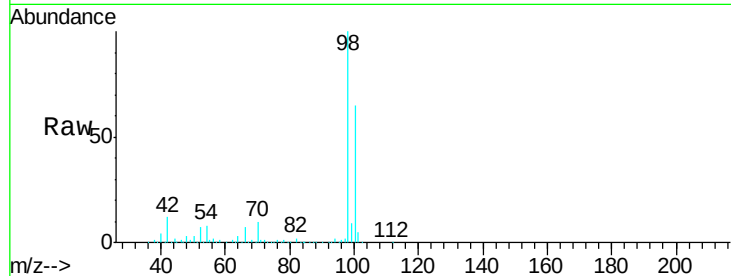
B-8D-(12-18)

Tgt Ion: 98 Resp: 381613

Ion Ratio Lower Upper

98 100

100 64.7 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 37.683 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000731.D

Acq: 18 Nov 2019 16:48

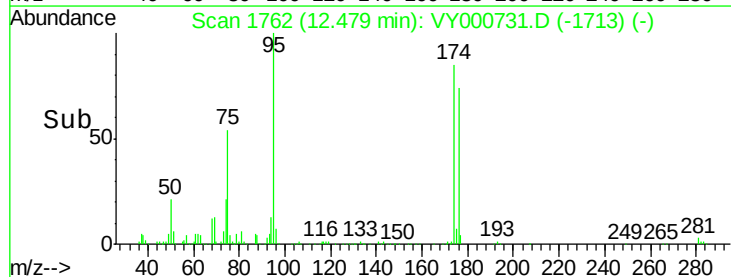
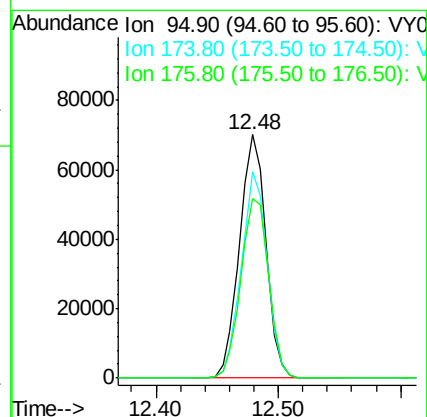
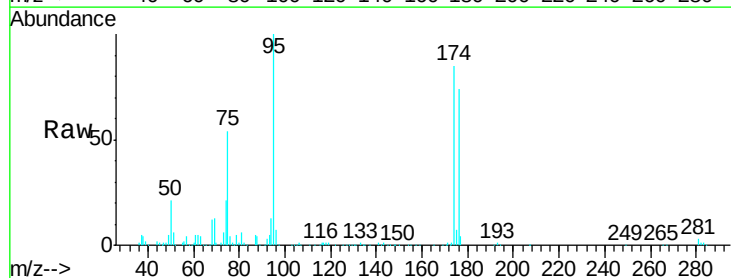
Tgt Ion: 95 Resp: 104184

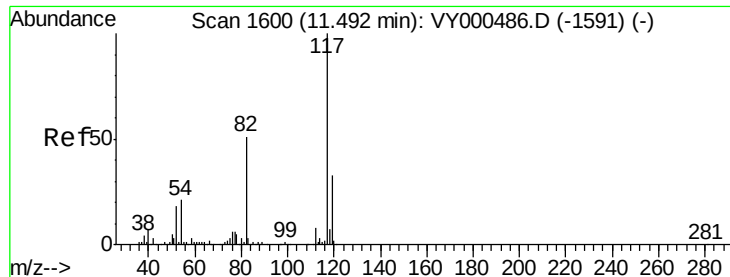
Ion Ratio Lower Upper

95 100

174 83.2 0.0 161.6

176 78.0 0.0 157.8

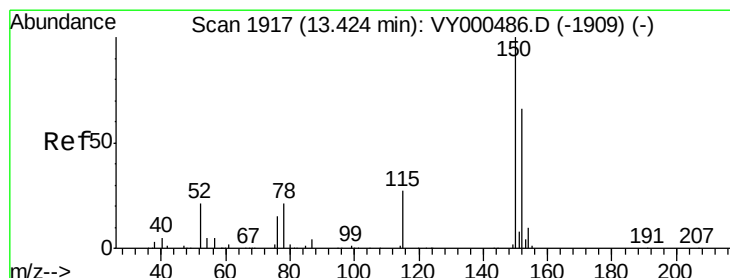
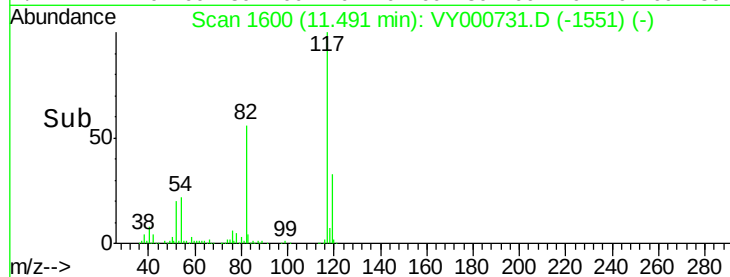
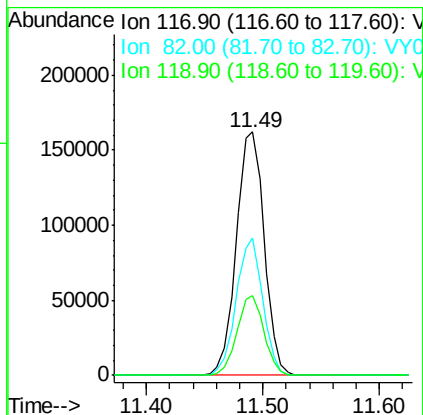
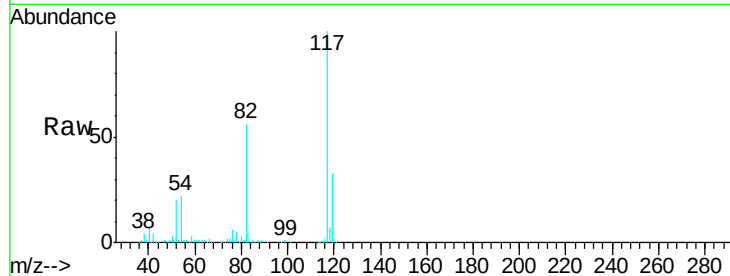




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000731.D
Acq: 18 Nov 2019 16:48

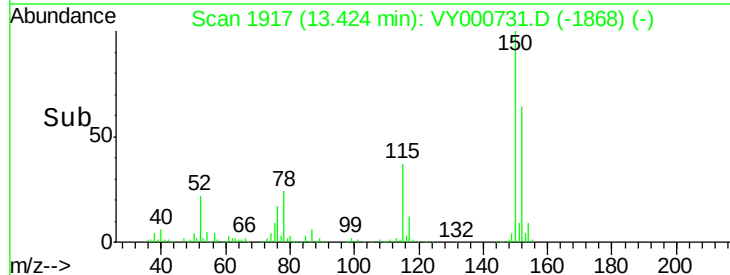
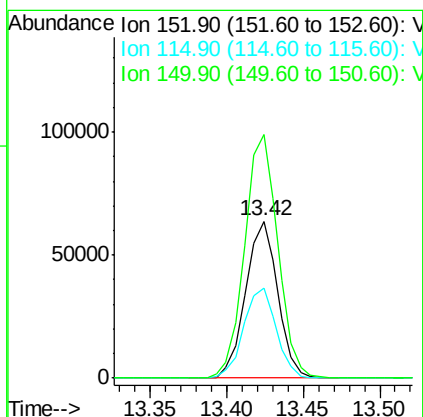
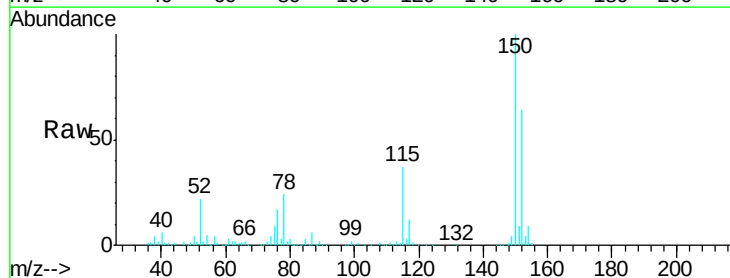
Instrument :
MSVOA_Y
ClientSampleId :
B-8D-(12-18)

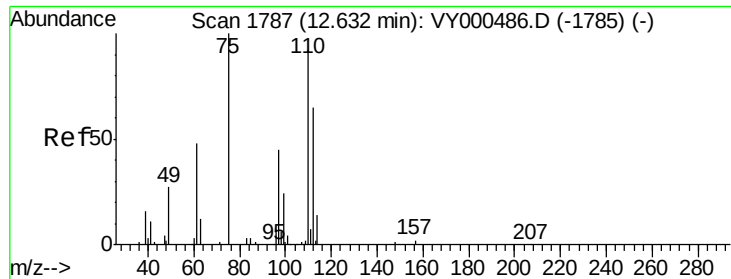
Tgt Ion:117 Resp: 270872
Ion Ratio Lower Upper
117 100
82 56.3 40.8 61.2
119 32.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000731.D
Acq: 18 Nov 2019 16:48

Tgt Ion:152 Resp: 92508
Ion Ratio Lower Upper
152 100
115 58.8 29.1 87.4
150 160.8 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 55.178 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000731.D

Acq: 18 Nov 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

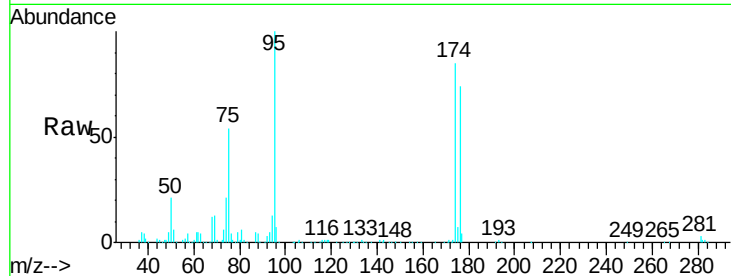
B-8D-(12-18)

Tgt Ion: 75 Resp: 58121

Ion Ratio Lower Upper

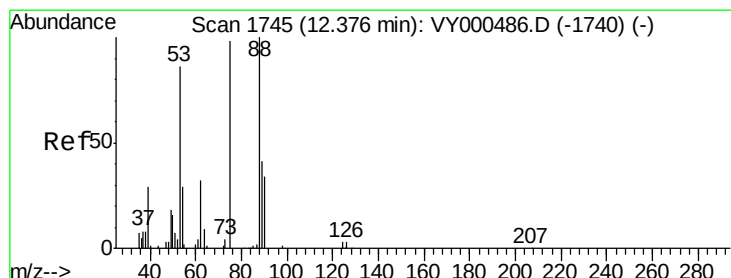
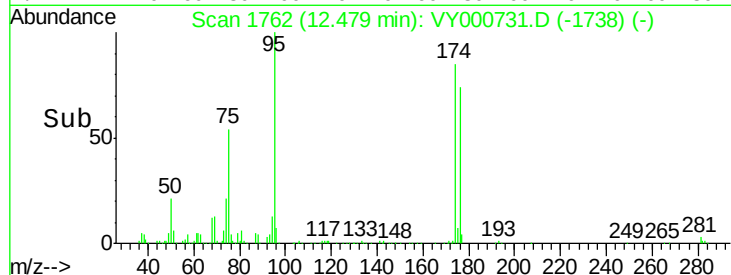
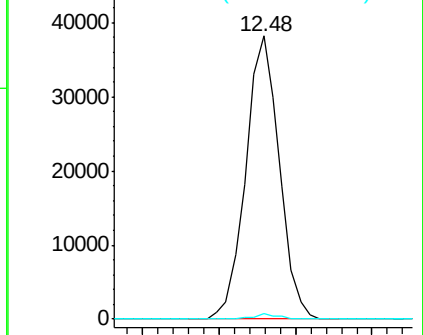
75 100

77 1.4 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: 123.717 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000731.D

Acq: 18 Nov 2019 16:48

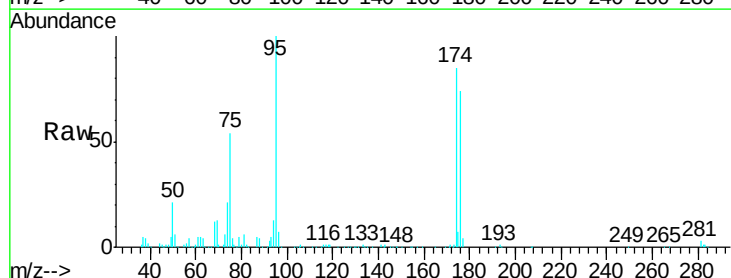
Tgt Ion: 75 Resp: 58121

Ion Ratio Lower Upper

75 100

53 0.0 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

