

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111819\
 Data File : VY000733.D
 Acq On : 18 Nov 2019 17:32
 Operator : SY/MD
 Sample : K5908-03
 Misc : 7.05G/5ML/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-8-2-(6-12)

Quant Time: Nov 18 17:53:57 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	169545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	312237	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	287340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	122601	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	109060	62.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.32%	
35) Dibromofluoromethane	7.73	113	96235	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
50) Toluene-d8	10.18	98	369549	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
62) 4-Bromofluorobenzene	12.48	95	122822	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	

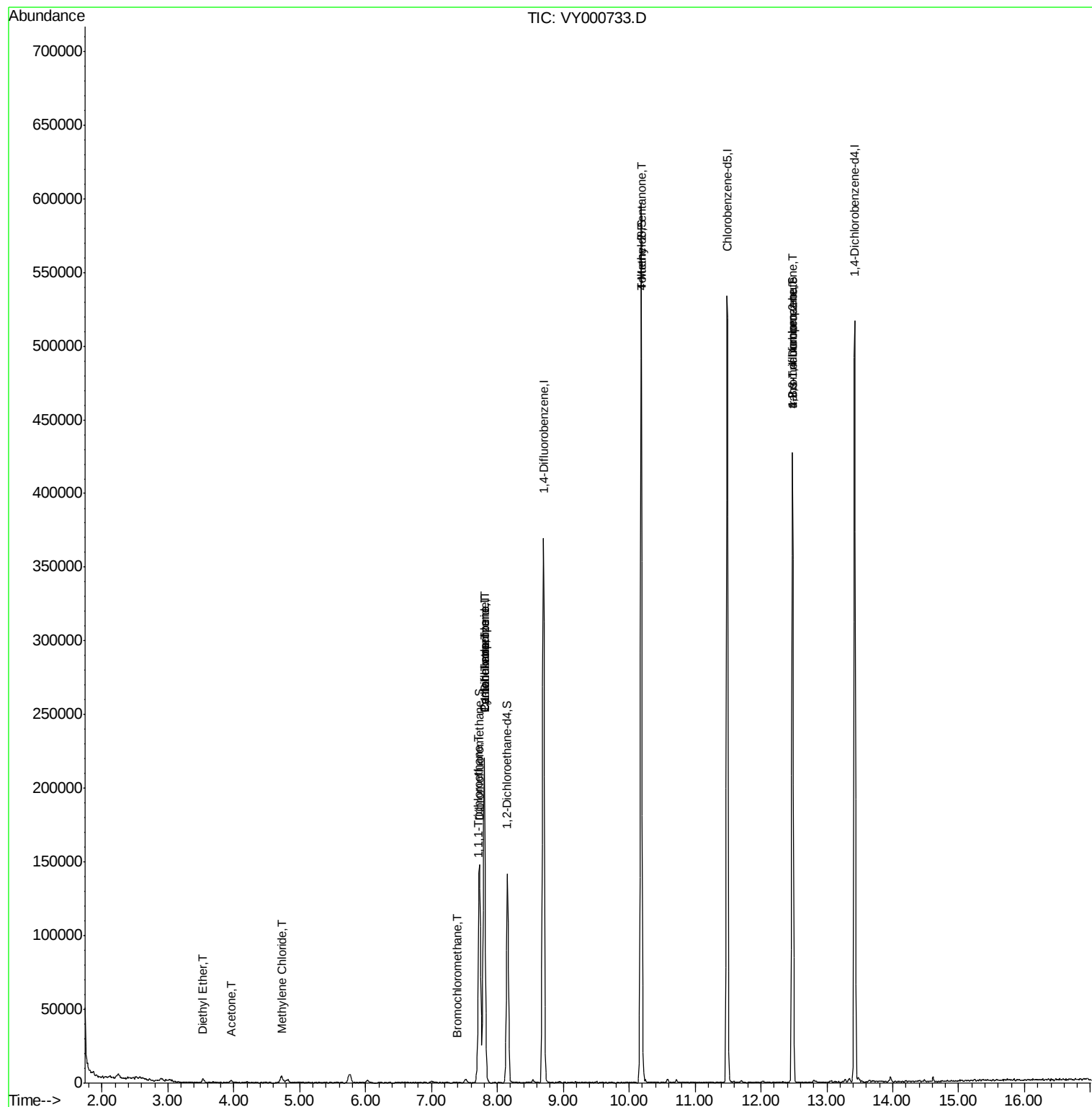
Target Compounds					Qvalue	
8) Diethyl Ether	3.54	74	1593	1.555	ug/l	92
16) Acetone	3.96	43	2386	4.934	ug/l	96
20) Methylene Chloride	4.74	84	3114	1.503	ug/l #	62
28) Bromochloromethane	7.38	49	52	4.125	ug/l #	14
31) Cyclohexane	7.80	56	3858	1.136	ug/l #	1
32) 1,1,1-Trichloroethane	7.71	97	14647	5.010	ug/l	99
36) 1,1-Dichloropropene	7.80	75	13628	4.617	ug/l #	48
38) Carbon Tetrachloride	7.80	117	16657	5.865	ug/l #	13
51) 4-Methyl-2-Pentanone	10.18	43	1921	1.098	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	67402	48.283	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	67402	108.257	ug/l #	13

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

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QLast Update : Wed Oct 30 13:30:53 2019
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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: VY000733.D

Acq: 18 Nov 2019 17:32

Instrument :

MSVOA_Y

ClientSampleId :

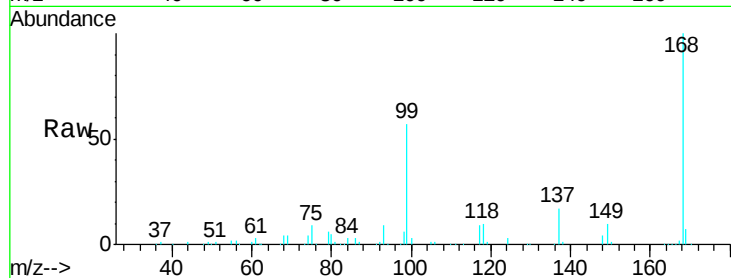
B-8-2-(6-12)

Tgt Ion:168 Resp: 169545

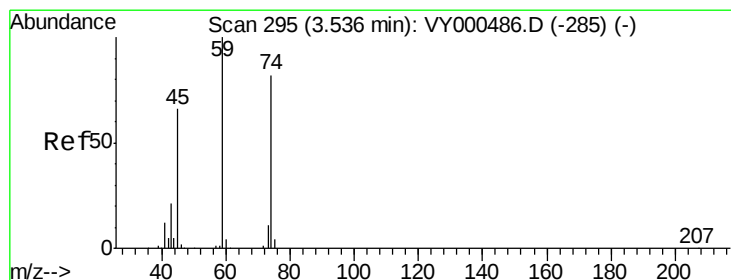
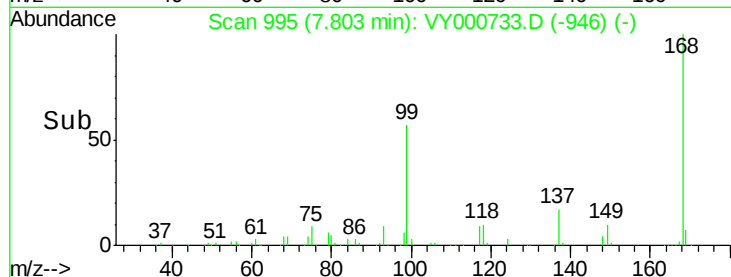
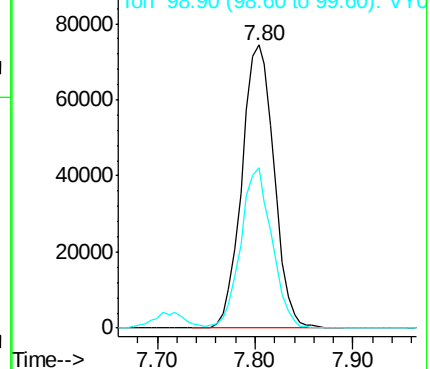
Ion Ratio Lower Upper

168 100

99 56.6 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)



#8

Diethyl Ether

Concen: 1.555 ug/l

RT: 3.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VY000733.D

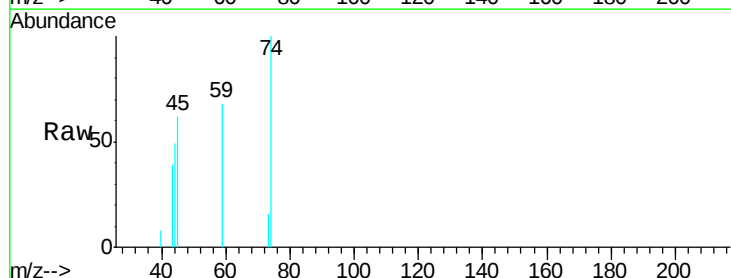
Acq: 18 Nov 2019 17:32

Tgt Ion: 74 Resp: 1593

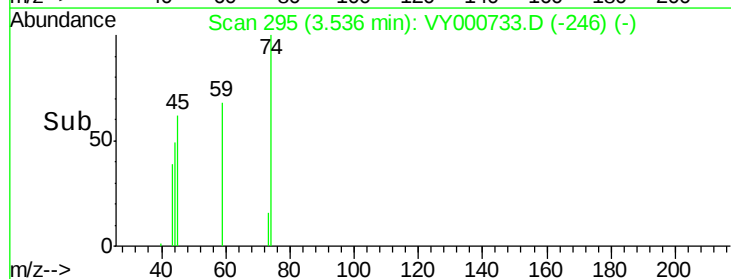
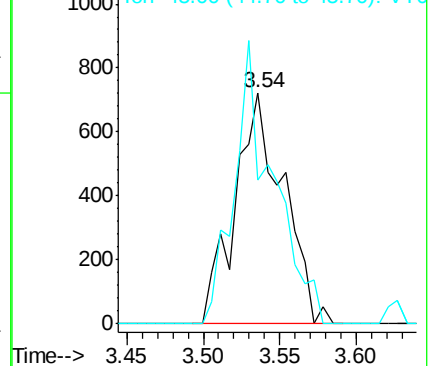
Ion Ratio Lower Upper

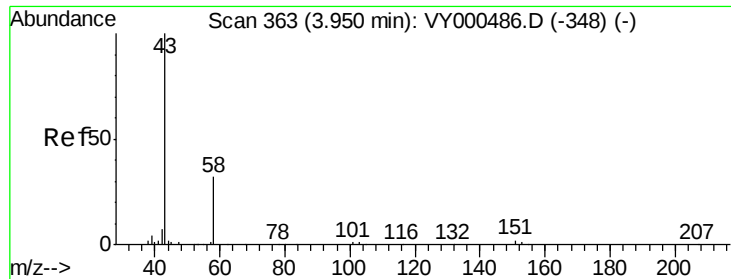
74 100

45 98.2 45.5 136.4



Abundance Ion 74.00 (73.70 to 74.70): VY000486.D (-285) (-)





#16

Acetone

Concen: 4.934 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000733.D

Acq: 18 Nov 2019 17:32

Instrument :

MSVOA_Y

ClientSampleId :

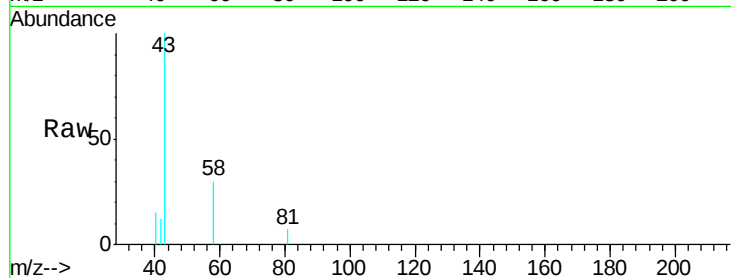
B-8-2-(6-12)

Tgt Ion: 43 Resp: 2386

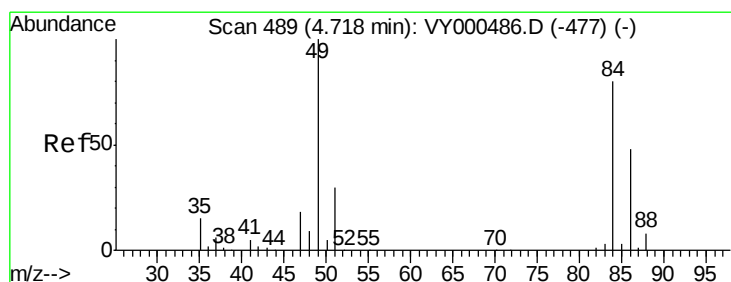
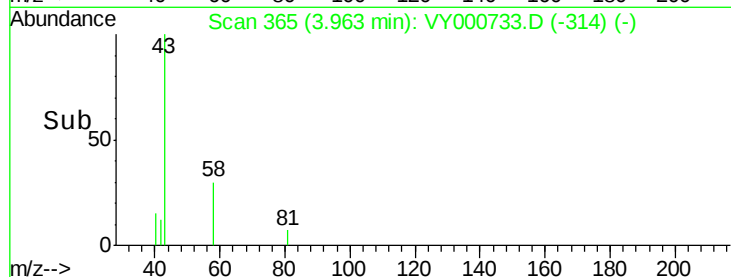
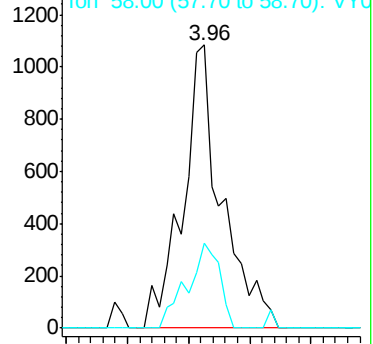
Ion Ratio Lower Upper

43 100

58 30.0 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY000486.D (-348) (-)



#20

Methylene Chloride

Concen: 1.503 ug/l

RT: 4.74 min Scan# 493

Delta R.T. 0.02 min

Lab File: VY000733.D

Acq: 18 Nov 2019 17:32

Tgt Ion: 84 Resp: 3114

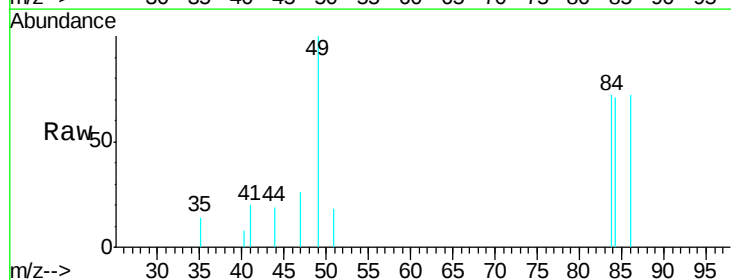
Ion Ratio Lower Upper

84 100

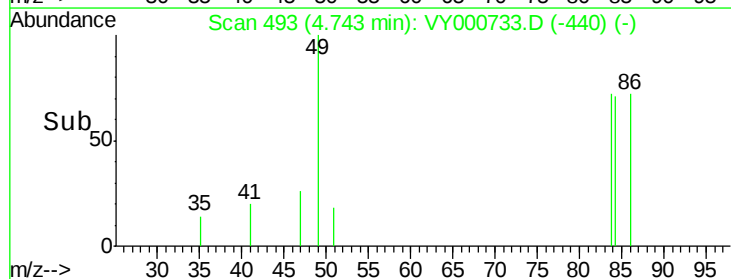
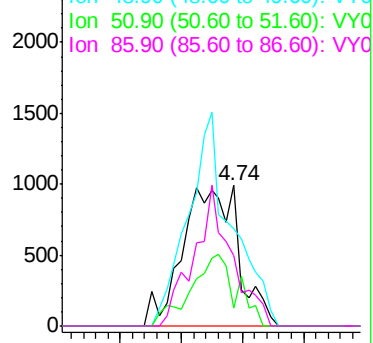
49 69.6 100.2 150.4#

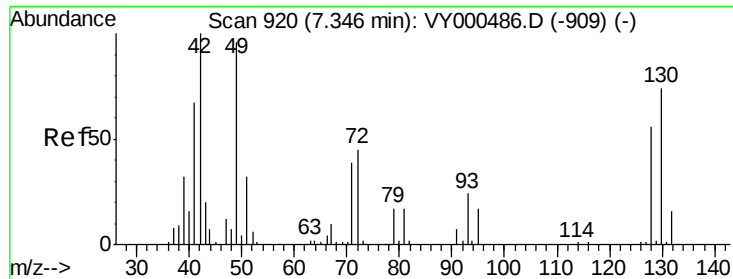
51 12.6 29.6 44.4#

86 50.1 48.3 72.5



Abundance Ion 83.90 (83.60 to 84.60): VY000486.D (-477) (-)





#28

Bromochloromethane

Concen: 4.125 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.03 min

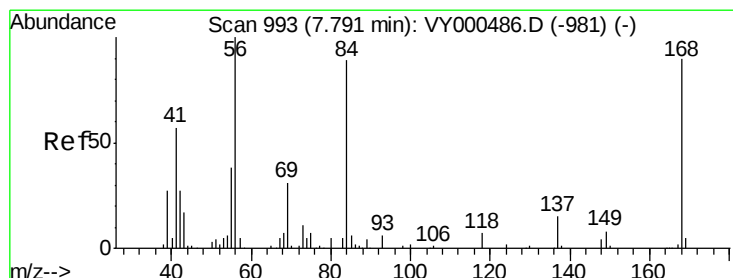
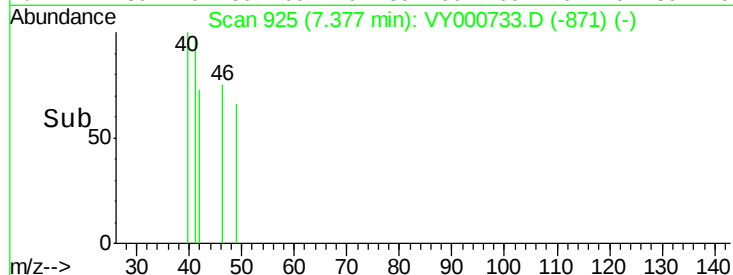
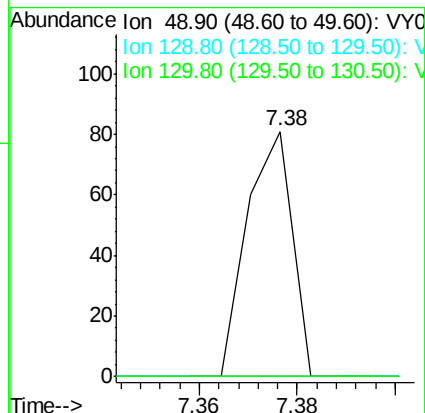
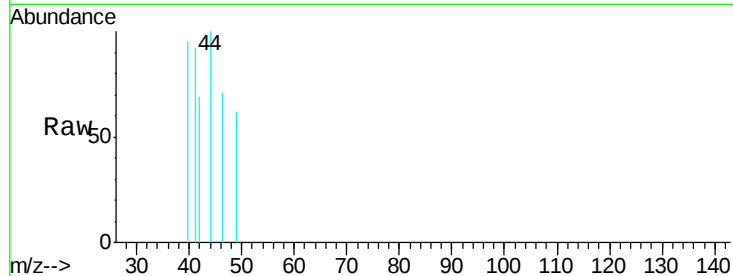
Lab File: VY000733.D

Acq: 18 Nov 2019 17:32

Instrument :
MSVOA_Y
ClientSampled :
B-8-2-(6-12)

Tgt Ion: 49 Resp: 52

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



#31

Cyclohexane

Concen: 1.136 ug/l

RT: 7.80 min Scan# 994

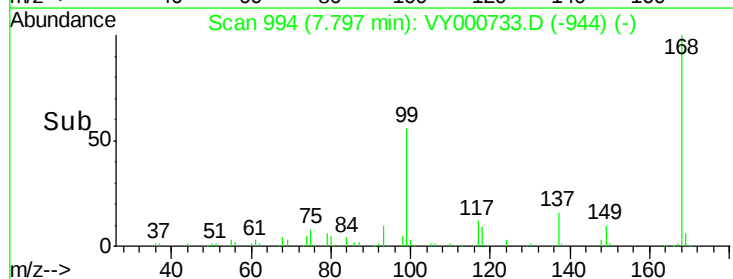
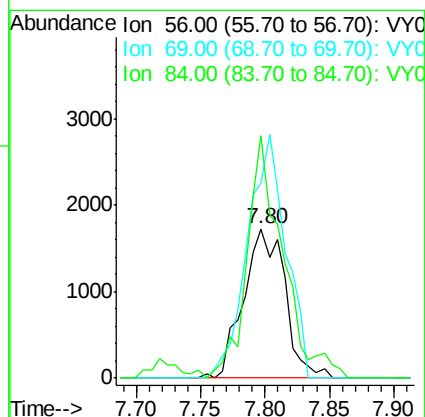
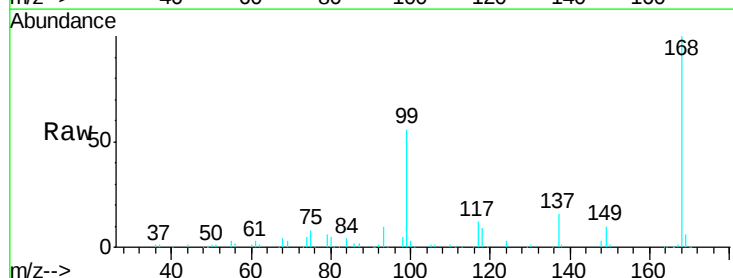
Delta R.T. 0.01 min

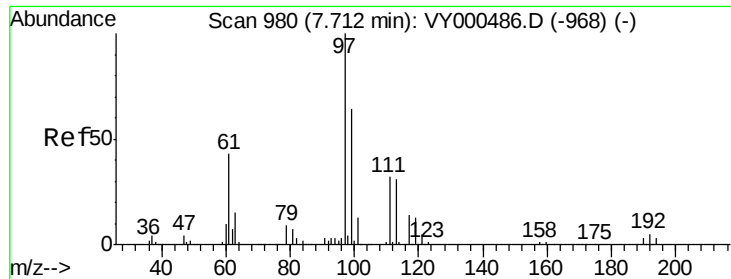
Lab File: VY000733.D

Acq: 18 Nov 2019 17:32

Tgt Ion: 56 Resp: 3858

Ion	Ratio	Lower	Upper
56	100		
69	130.5	25.0	37.6#
84	158.8	71.4	107.2#





#32

1,1,1-Trichloroethane

Concen: 5.010 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY000733.D

Acq: 18 Nov 2019 17:32

Instrument :

MSVOA_Y

ClientSampled :

B-8-2-(6-12)

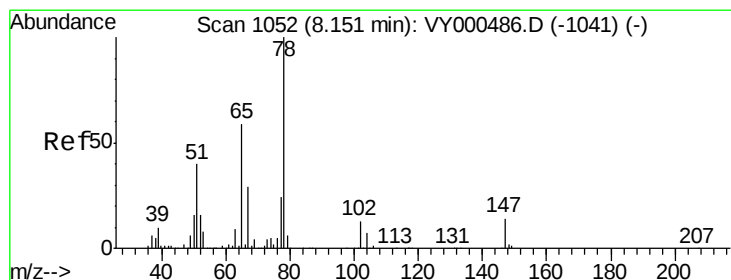
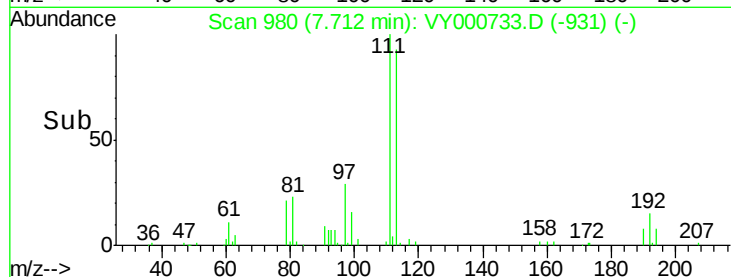
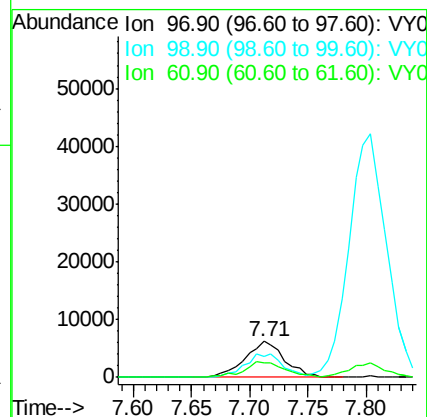
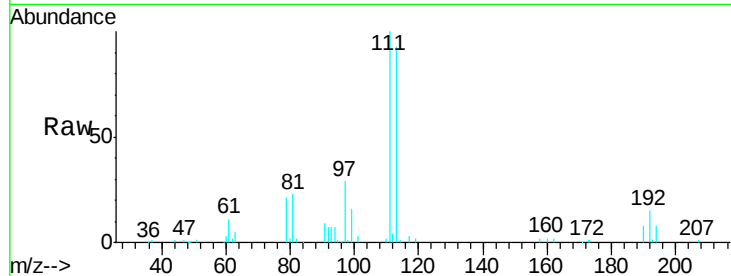
Tgt Ion: 97 Resp: 14647

Ion Ratio Lower Upper

97 100

99 63.9 50.9 76.3

61 44.9 34.9 52.3



#33

1,2-Dichloroethane-d4

Concen: 62.158 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000733.D

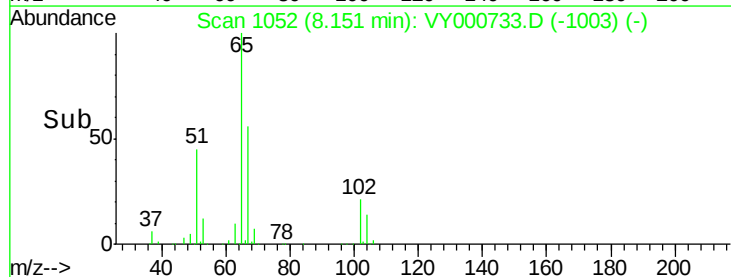
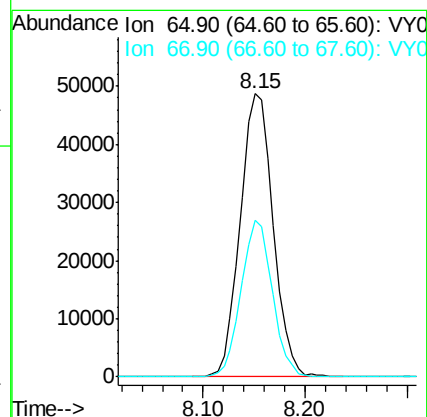
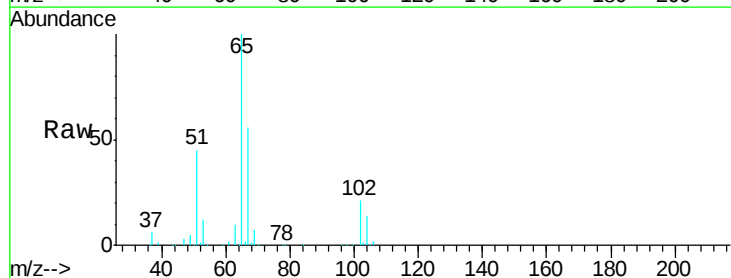
Acq: 18 Nov 2019 17:32

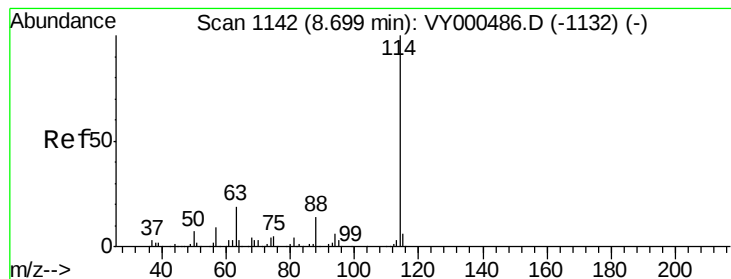
Tgt Ion: 65 Resp: 109060

Ion Ratio Lower Upper

65 100

67 52.5 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: VY000733.D

Acq: 18 Nov 2019 17:32

Instrument :

MSVOA_Y

ClientSampleId :

B-8-2-(6-12)

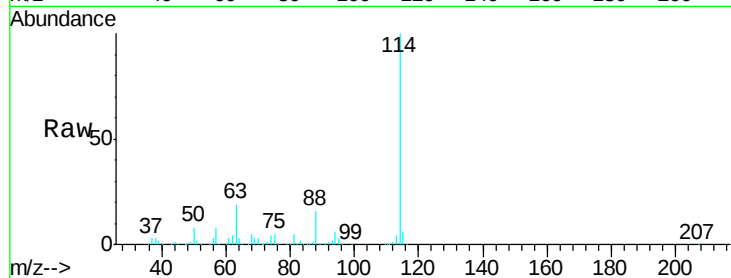
Tgt Ion:114 Resp: 312237

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.0

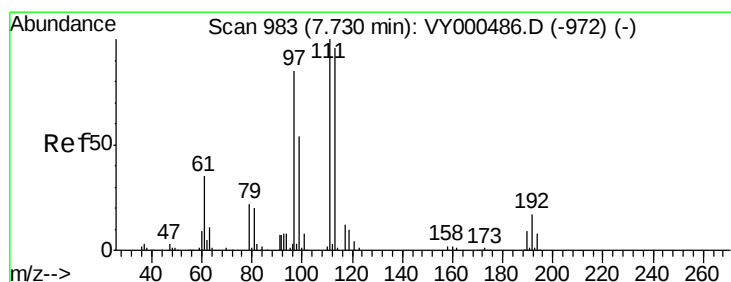
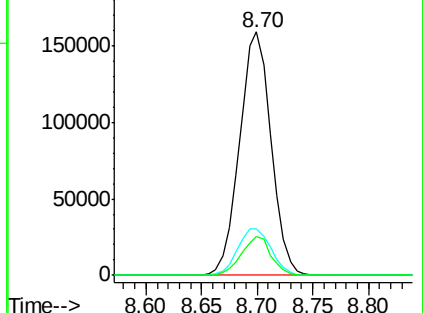
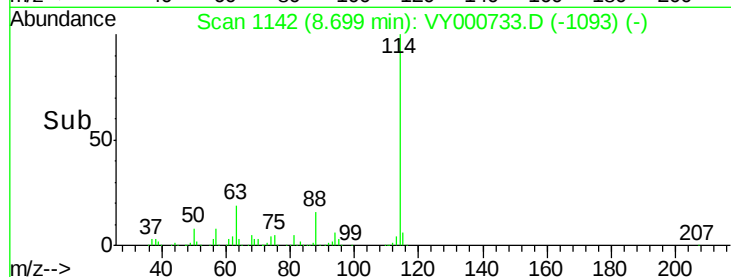
88 15.9 0.0 28.6



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: 52.500 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000733.D

Acq: 18 Nov 2019 17:32

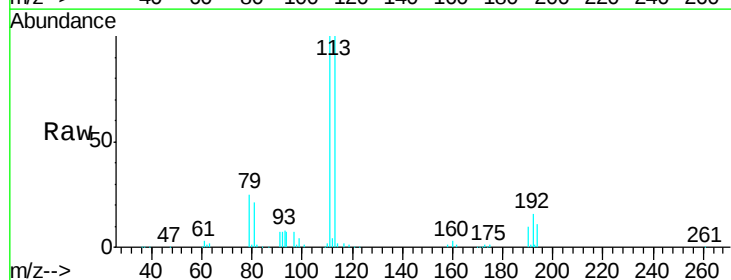
Tgt Ion:113 Resp: 96235

Ion Ratio Lower Upper

113 100

111 102.6 81.7 122.5

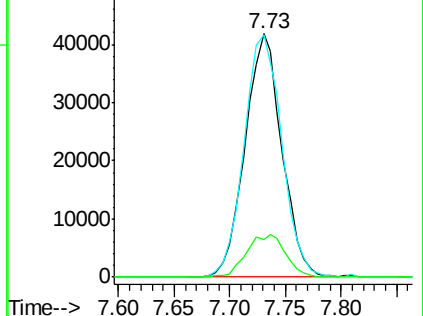
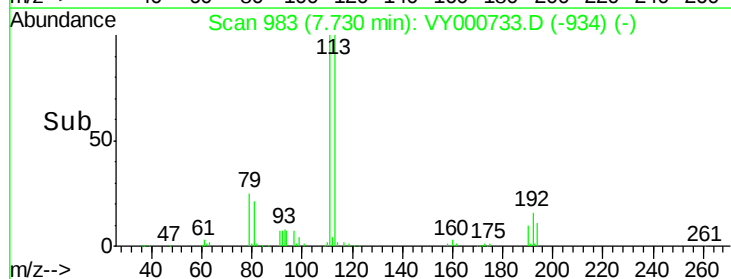
192 18.7 15.0 22.4

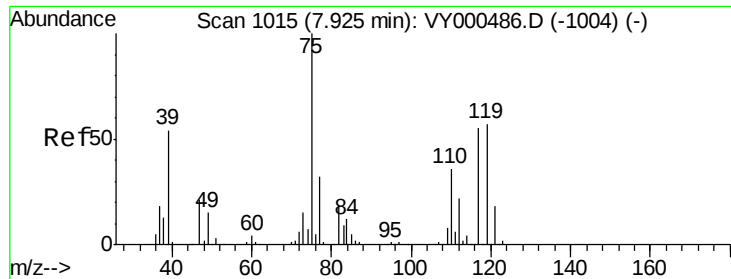


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

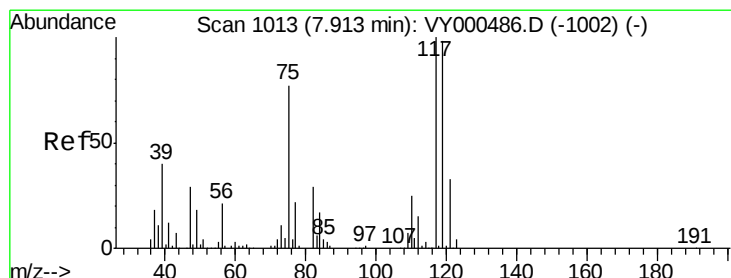
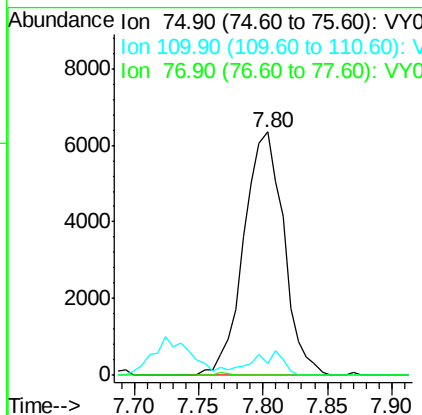
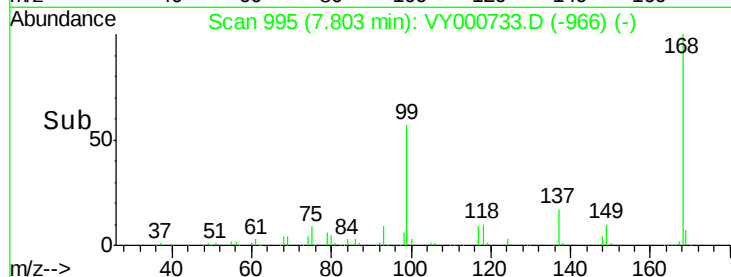
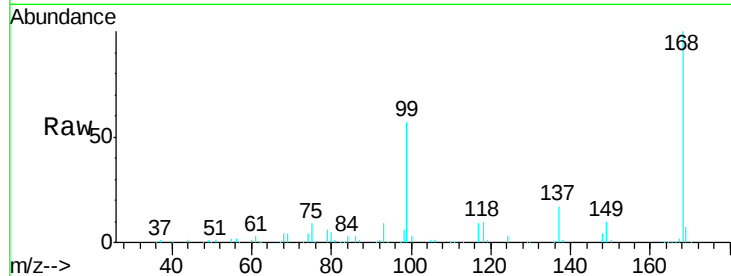




#36
 1,1-Dichloropropene
 Concen: 4.617 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000733.D
 Acq: 18 Nov 2019 17:32

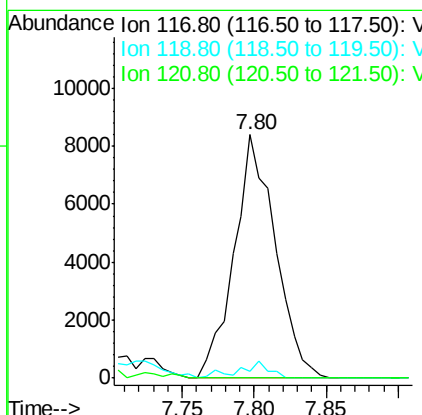
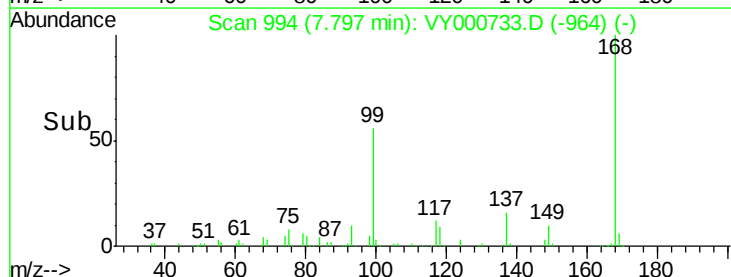
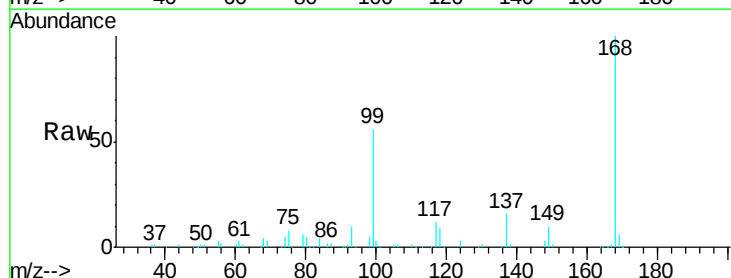
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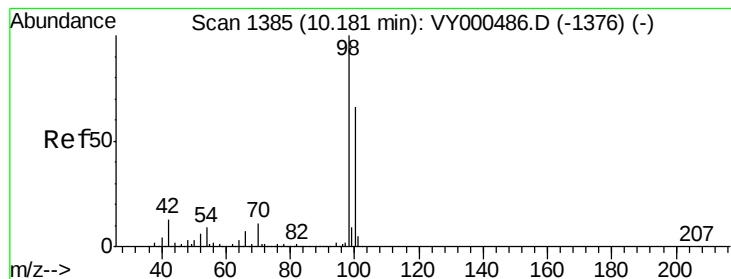
Tgt Ion: 75 Resp: 13628
 Ion Ratio Lower Upper
 75 100
 110 7.5 18.1 54.1#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.865 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000733.D
 Acq: 18 Nov 2019 17:32

Tgt Ion: 117 Resp: 16657
 Ion Ratio Lower Upper
 117 100
 119 2.7 78.0 117.0#
 121 0.0 26.6 40.0#





#50

Toluene-d8

Concen: 53.131 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000733.D

Acq: 18 Nov 2019 17:32

Instrument :

MSVOA_Y

ClientSampled :

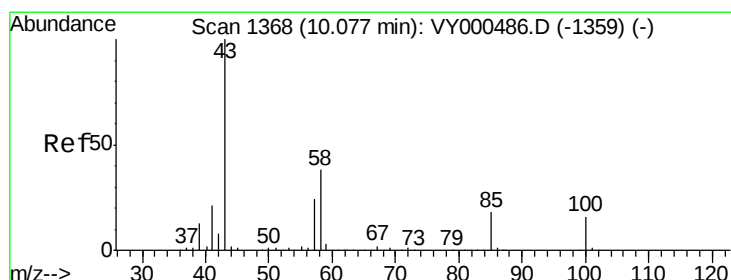
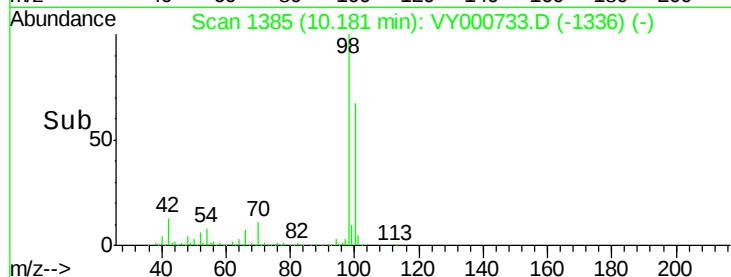
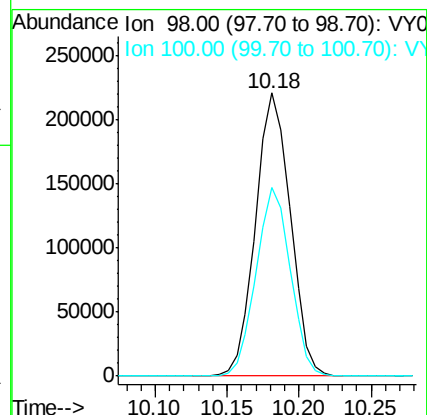
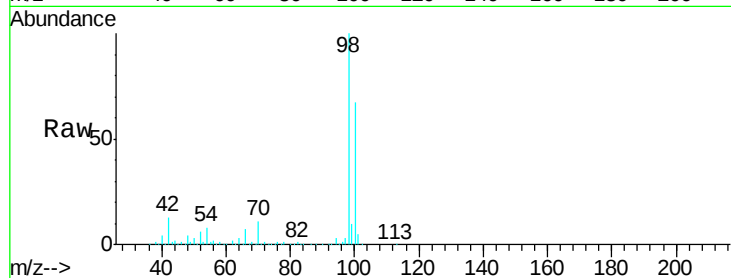
B-8-2-(6-12)

Tgt Ion: 98 Resp: 369549

Ion Ratio Lower Upper

98 100

100 65.4 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 1.098 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.10 min

Lab File: VY000733.D

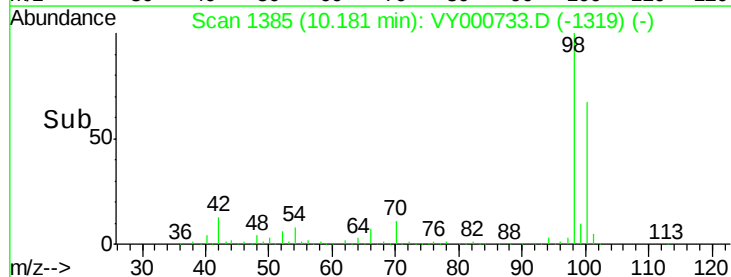
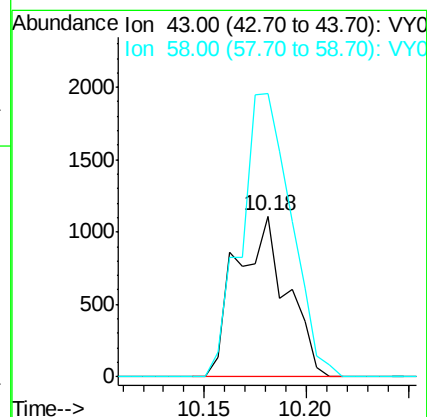
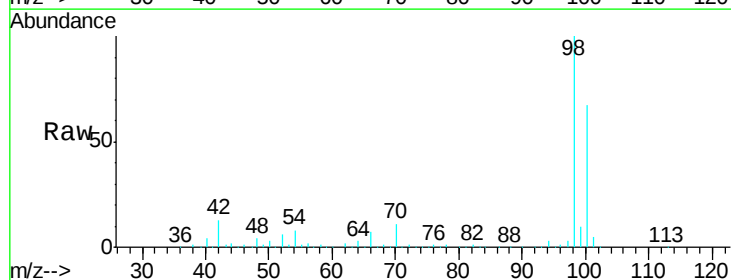
Acq: 18 Nov 2019 17:32

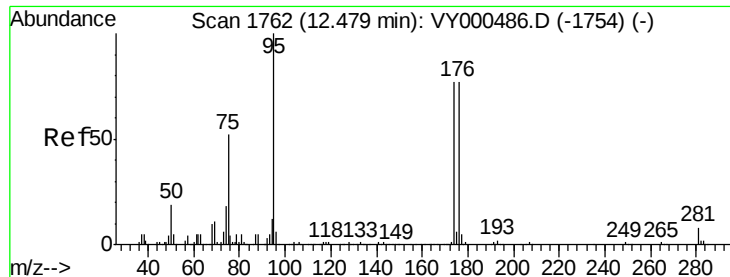
Tgt Ion: 43 Resp: 1921

Ion Ratio Lower Upper

43 100

58 175.1 30.2 45.4#

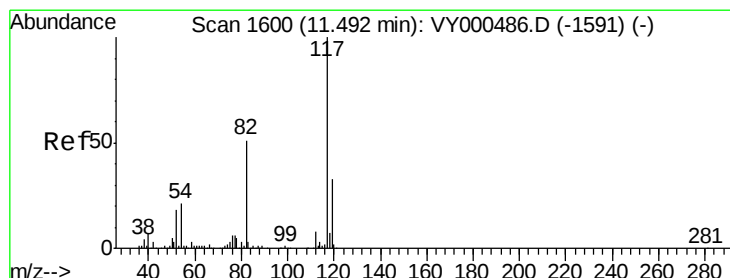
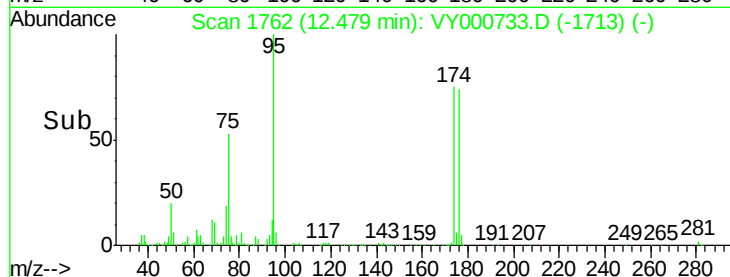
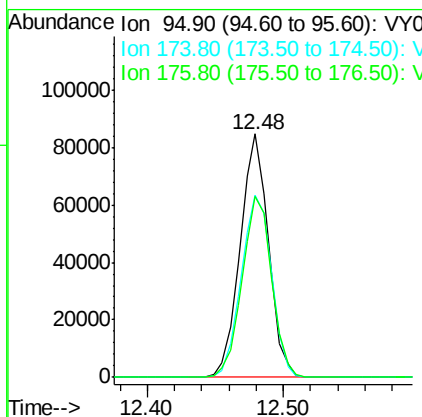
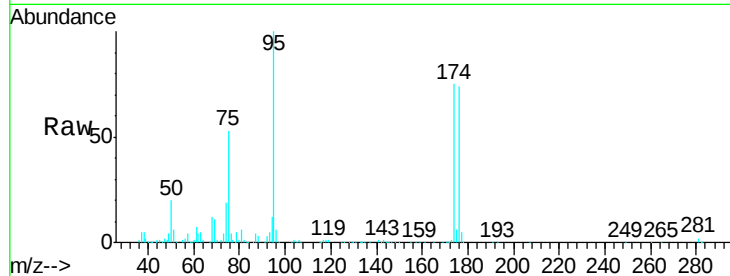




#62
4-Bromofluorobenzene
Concen: 46.385 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000733.D
Acq: 18 Nov 2019 17:32

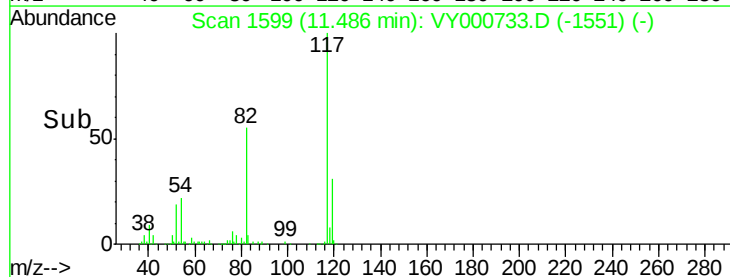
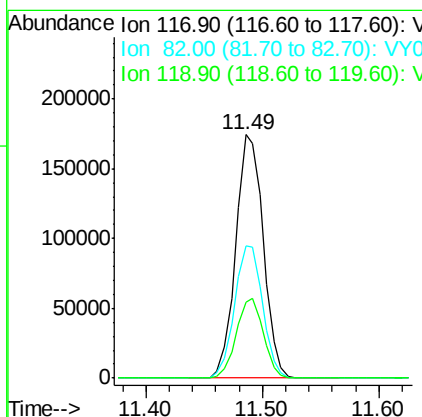
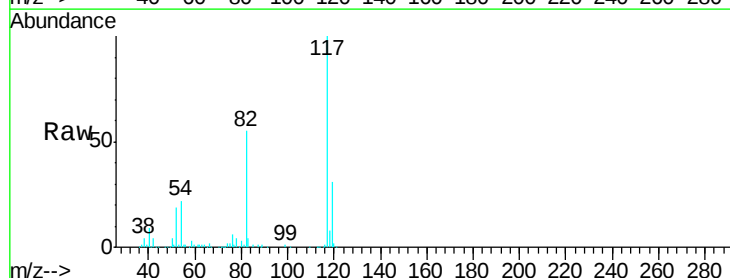
Instrument :
MSVOA_Y
ClientSampled :
B-8-2-(6-12)

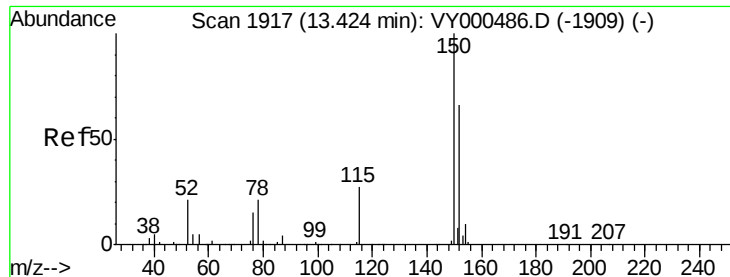
Tgt Ion: 95 Resp: 122822
Ion Ratio Lower Upper
95 100
174 80.5 0.0 161.6
176 77.8 0.0 157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000733.D
Acq: 18 Nov 2019 17:32

Tgt Ion: 117 Resp: 287340
Ion Ratio Lower Upper
117 100
82 54.6 40.8 61.2
119 31.0 26.2 39.2



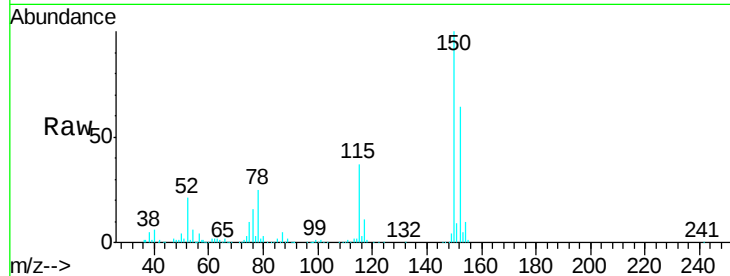


#72

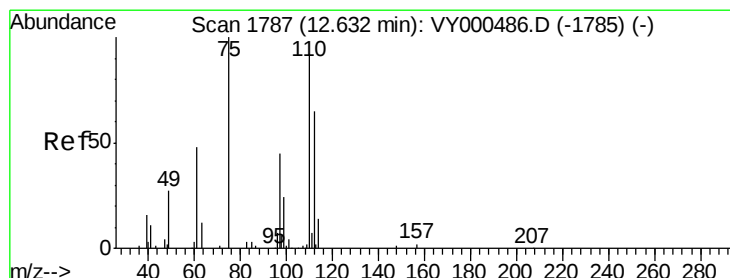
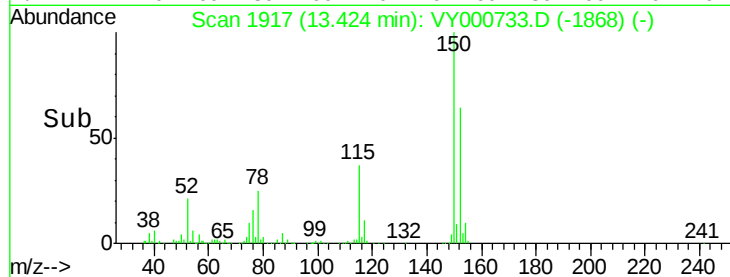
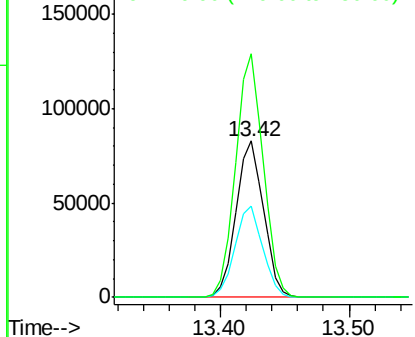
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000733.D
Acq: 18 Nov 2019 17:32

Instrument :
MSVOA_Y
ClientSampleId :
B-8-2-(6-12)

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.1	87.4
150	156.2	0.0	348.8



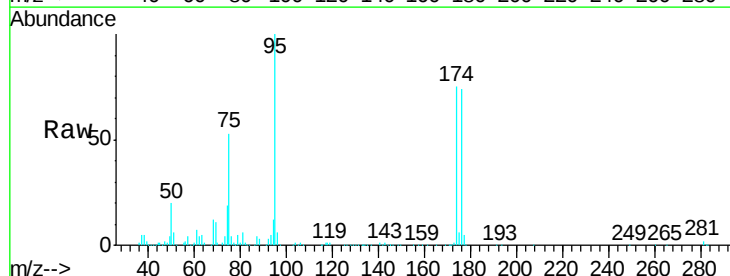
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



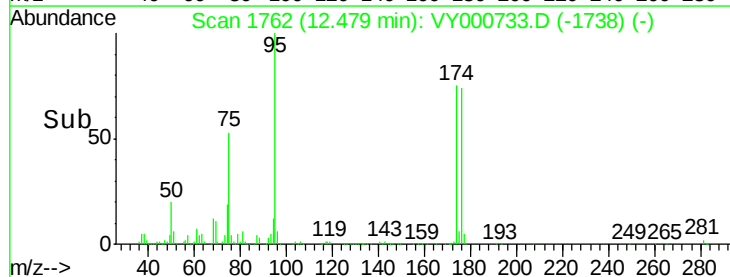
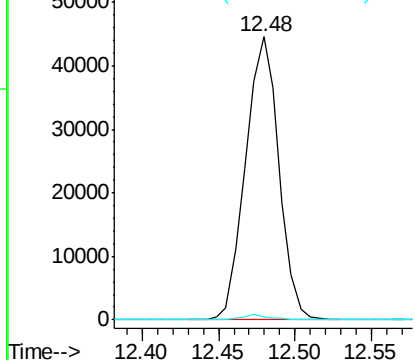
#76

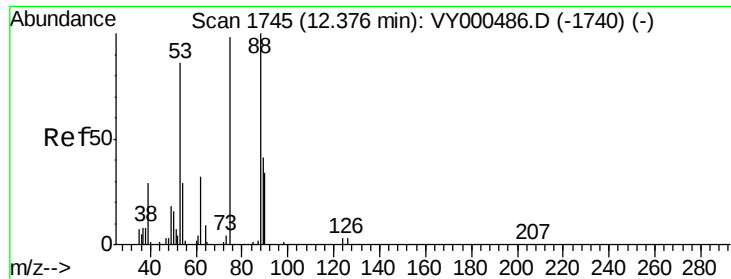
1,2,3-Trichloropropane
Concen: 48.283 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000733.D
Acq: 18 Nov 2019 17:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	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: 108.257 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000733.D

Acq: 18 Nov 2019 17:32

Instrument :

MSVOA_Y

ClientSampleId :

B-8-2-(6-12)

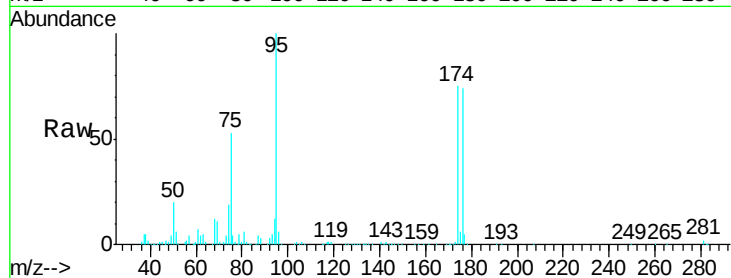
Tgt Ion: 75 Resp: 67402

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

