

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011520\
 Data File : VY001212.D
 Acq On : 15 Jan 2020 13:05
 Operator : SY/MD
 Sample : IBLK
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 IBLK

Quant Time: Jan 16 04:49:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	175109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	318384	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	288870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	133228	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	102456	55.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.80%	
35) Dibromofluoromethane	7.73	113	94968	50.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.88%	
50) Toluene-d8	10.18	98	375545	52.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.56%	
62) 4-Bromofluorobenzene	12.48	95	138382	47.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.24%	

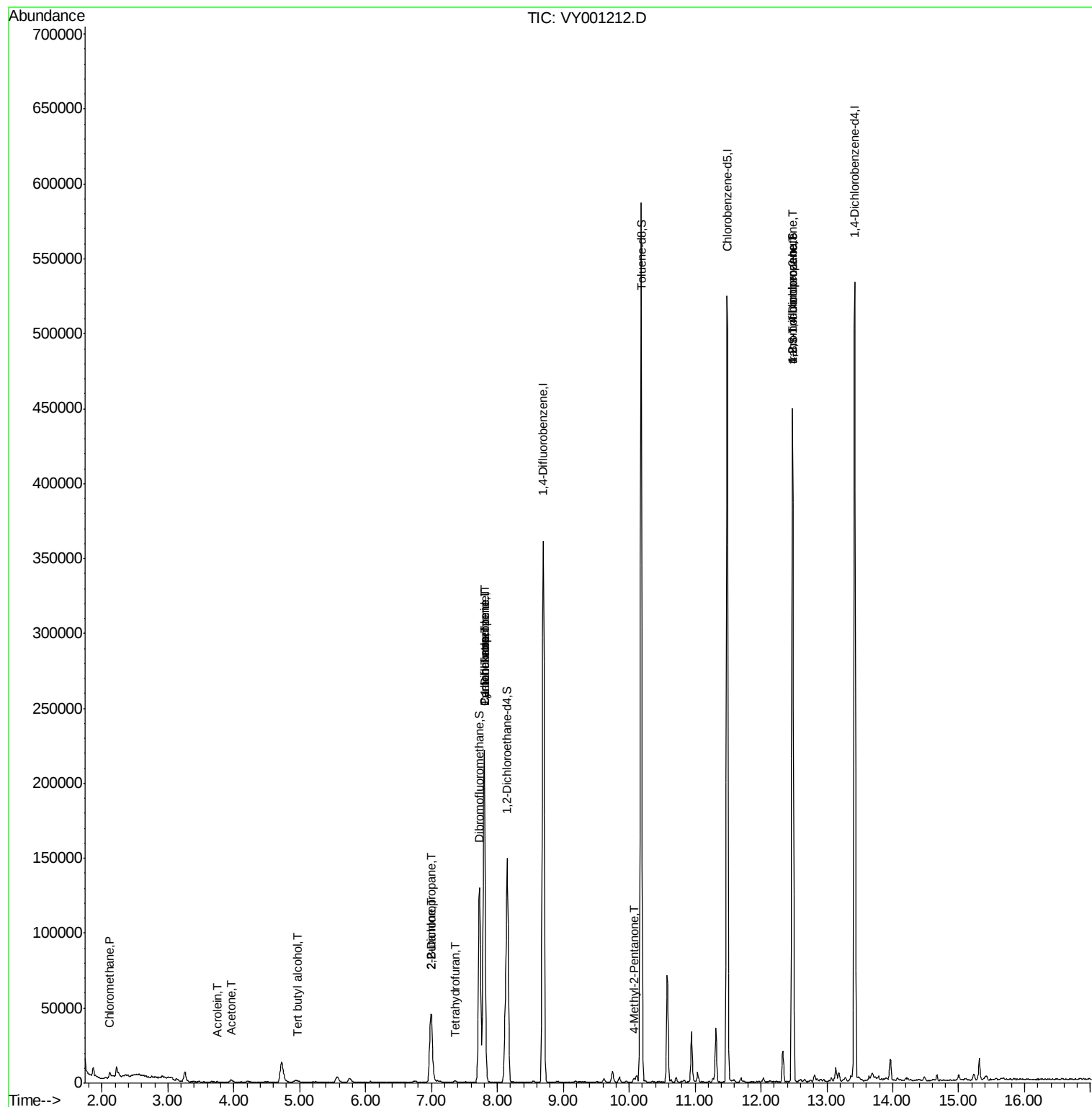
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	2387	1.231	ug/l	97
11) Tert butyl alcohol	4.96	59	1113	5.981	ug/l #	94
13) Acrolein	3.74	56	225	1.343	ug/l #	74
16) Acetone	3.96	43	2684	6.249	ug/l	93
20) Methylene Chloride	4.72	84	10080	Below Cal		97
25) 2-Butanone	6.99	43	1395	2.087	ug/l #	70
26) 2,2-Dichloropropane	6.99	77	3574	1.150	ug/l #	52
29) Tetrahydrofuran	7.37	42	640	1.397	ug/l #	61
31) Cyclohexane	7.80	56	3741	1.046	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	13560	4.673	ug/l #	48
38) Carbon Tetrachloride	7.80	117	16499	6.204	ug/l #	16
51) 4-Methyl-2-Pentanone	10.07	43	1681	1.017	ug/l	97
76) 1,2,3-Trichloropropane	12.48	75	67892	47.603	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	67892	80.724	ug/l #	6

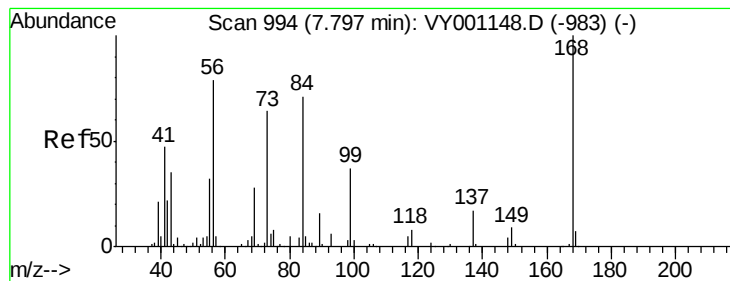
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001212.D

Acq: 15 Jan 2020 13:05

Instrument :

MSVOA_Y

ClientSampled :

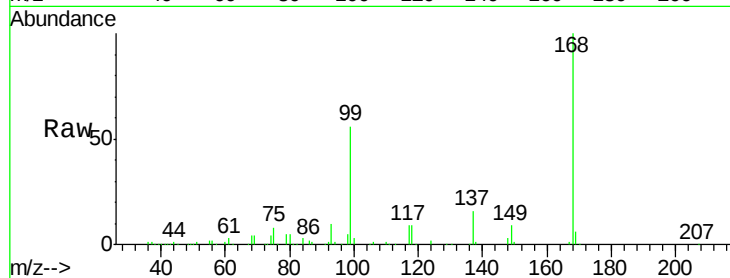
IBLK

Tgt Ion:168 Resp: 175109

Ion Ratio Lower Upper

168 100

99 55.6 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)

7.80

80000

60000

40000

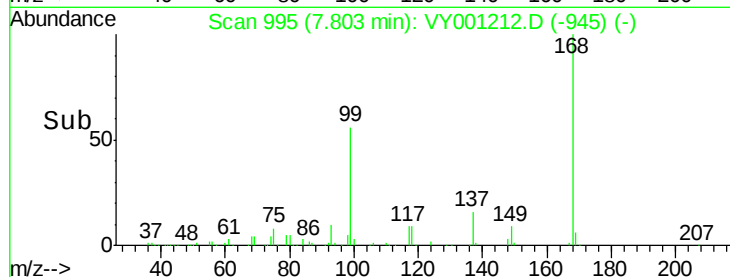
20000

0

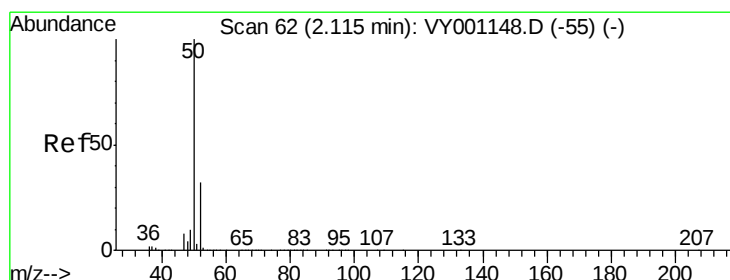
7.70

7.80

7.90



Time-->



#3

Chloromethane

Concen: 1.231 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001212.D

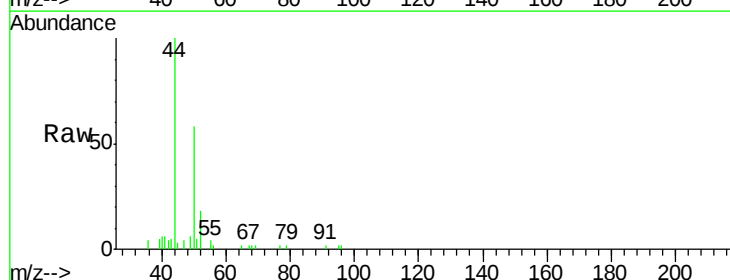
Acq: 15 Jan 2020 13:05

Tgt Ion: 50 Resp: 2387

Ion Ratio Lower Upper

50 100

52 30.3 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY001148.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY001148.D (-55) (-)

2.11

2000

1500

1000

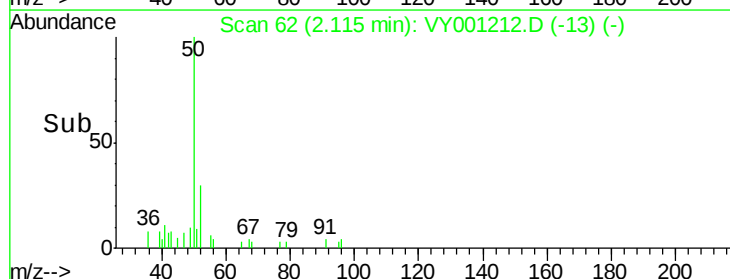
500

0

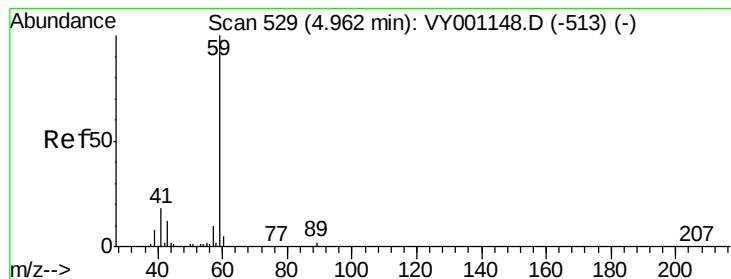
2.05

2.10

2.15



Time-->



#11

Tert butyl alcohol

Concen: 5.981 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.00 min

Lab File: VY001212.D

Acq: 15 Jan 2020 13:05

Instrument :

MSVOA_Y

ClientSampled :

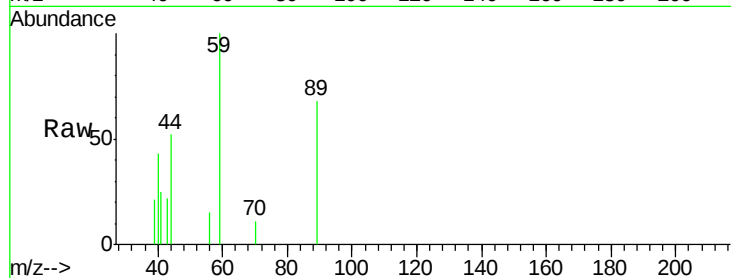
IBLK

Tgt Ion: 59 Resp: 1113

Ion Ratio Lower Upper

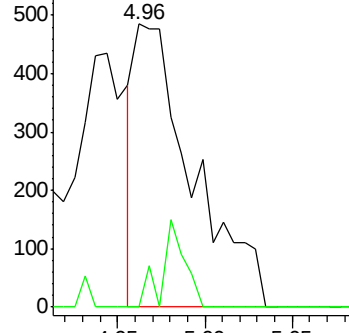
59 100

57 12.1 7.8 11.8#

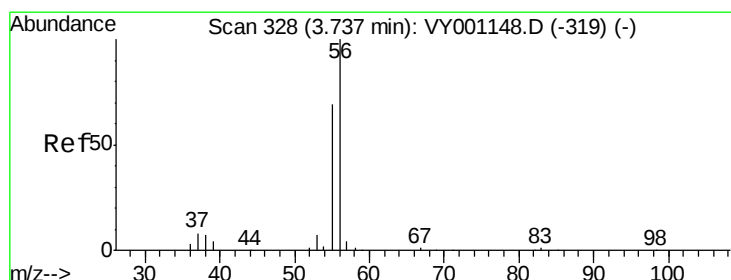
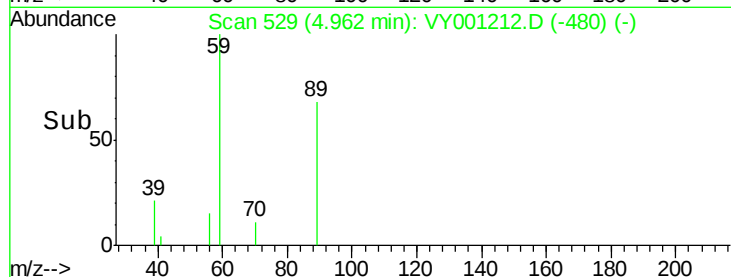


Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0



Time-->



#13

Acrolein

Concen: 1.343 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY001212.D

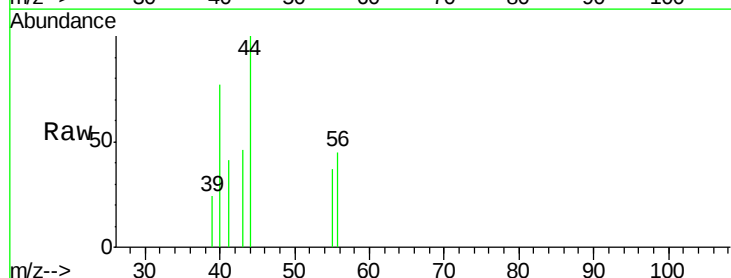
Acq: 15 Jan 2020 13:05

Tgt Ion: 56 Resp: 225

Ion Ratio Lower Upper

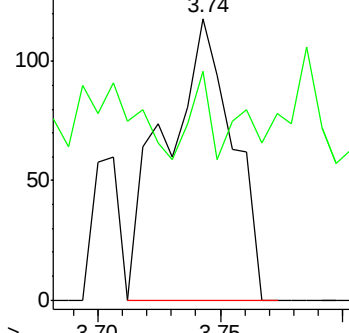
56 100

55 49.3 56.7 85.1#

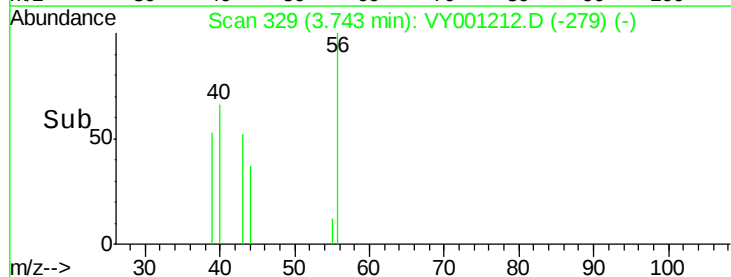


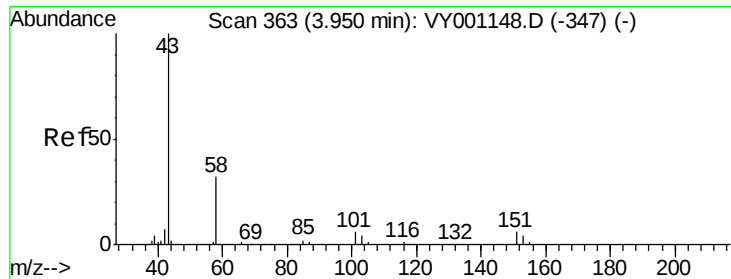
Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



Time-->





#16

Acetone

Concen: 6.249 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001212.D

Acq: 15 Jan 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

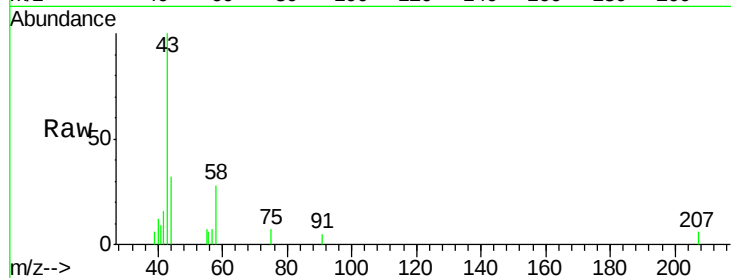
IBLK

Tgt Ion: 43 Resp: 2684

Ion Ratio Lower Upper

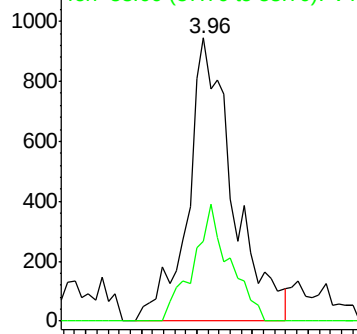
43 100

58 28.1 25.8 38.6

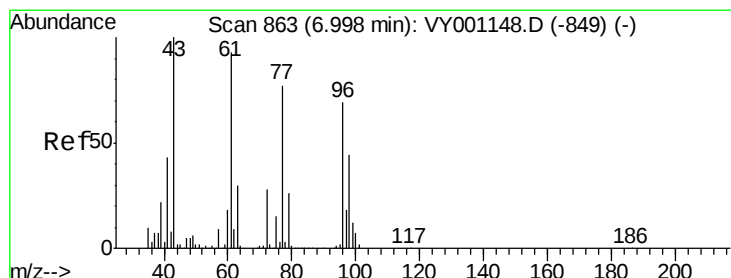
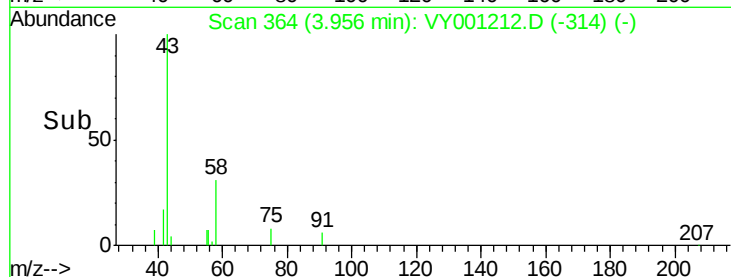


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#25

2-Butanone

Concen: 2.087 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY001212.D

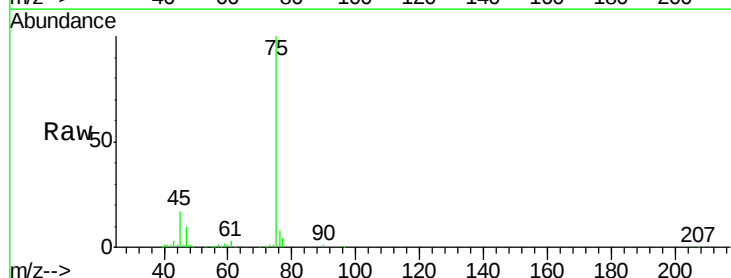
Acq: 15 Jan 2020 13:05

Tgt Ion: 43 Resp: 1395

Ion Ratio Lower Upper

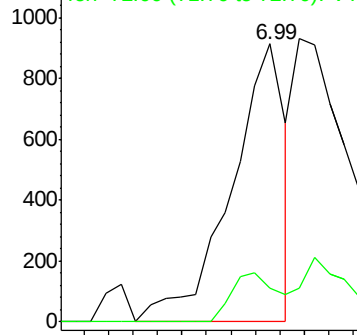
43 100

72 12.1 22.2 33.2#

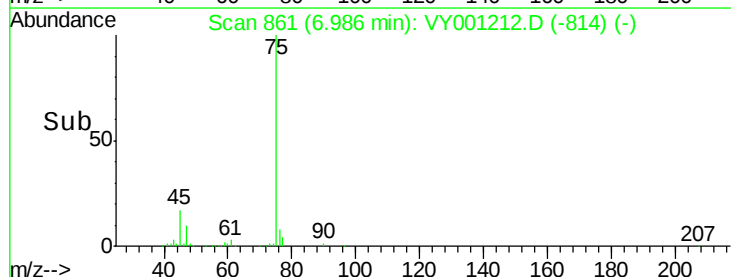


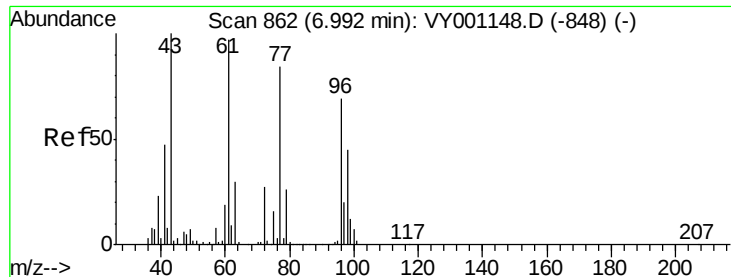
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



Time-->





#26

2,2-Dichloropropane

Concen: 1.150 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY001212.D

Acq: 15 Jan 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

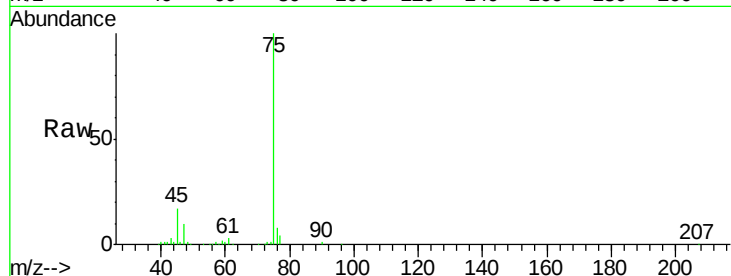
IBLK

Tgt Ion: 77 Resp: 3574

Ion Ratio Lower Upper

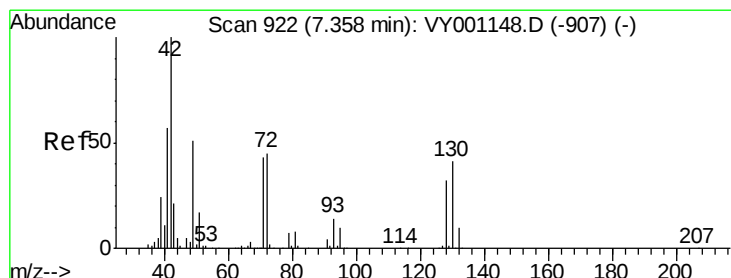
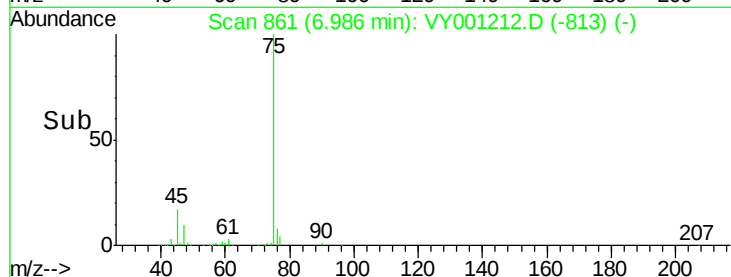
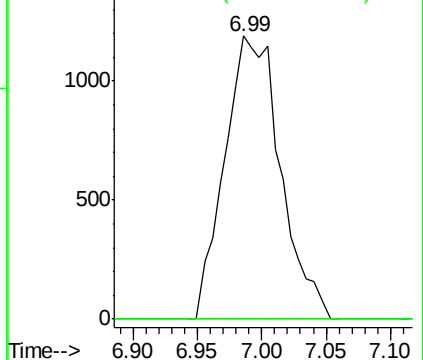
77 100

97 0.0 11.9 35.7#



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



#29

Tetrahydrofuran

Concen: 1.397 ug/l

RT: 7.37 min Scan# 924

Delta R.T. 0.01 min

Lab File: VY001212.D

Acq: 15 Jan 2020 13:05

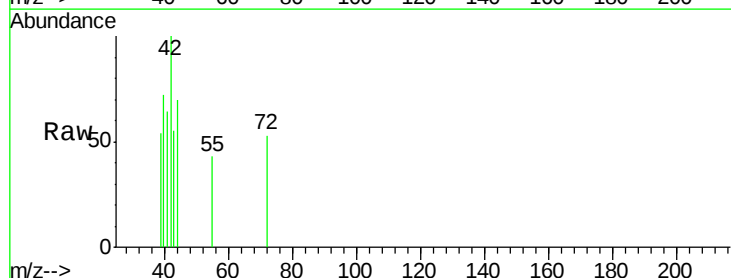
Tgt Ion: 42 Resp: 640

Ion Ratio Lower Upper

42 100

72 29.8 36.9 55.3#

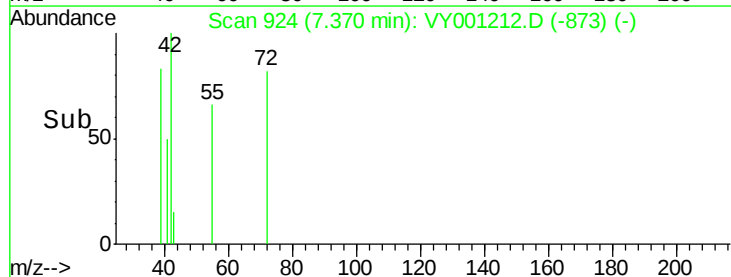
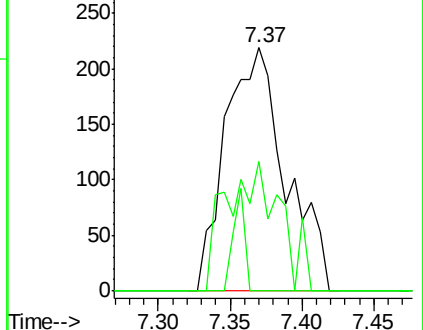
71 8.3 34.0 51.0#

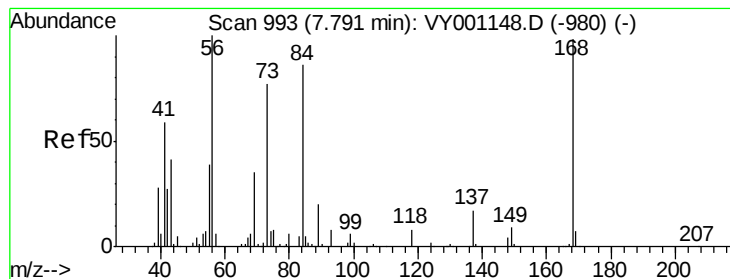


Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0





#31

Cyclohexane

Concen: 1.046 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY001212.D

Acq: 15 Jan 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

IBLK

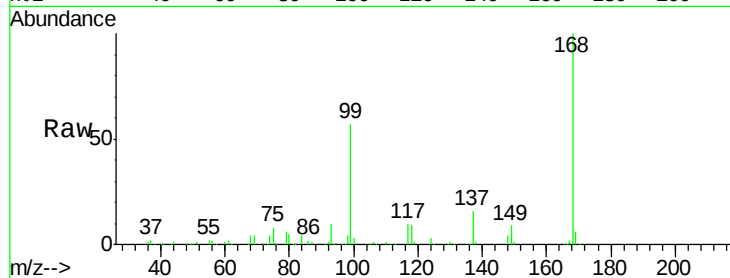
Tgt Ion: 56 Resp: 3741

Ion Ratio Lower Upper

56 100

69 171.1 27.8 41.8#

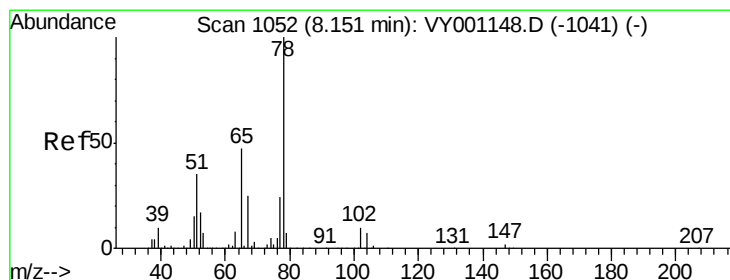
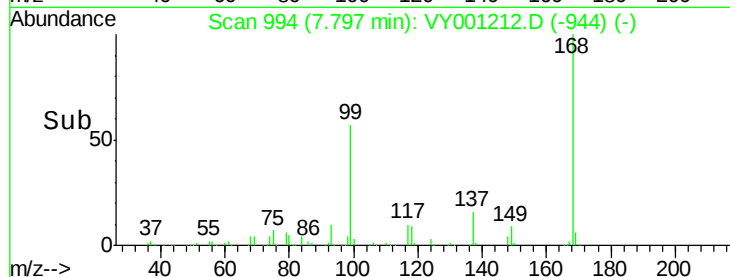
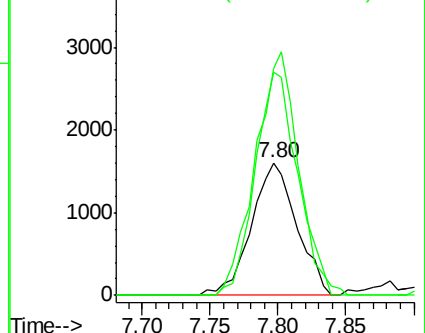
84 167.9 68.9 103.3#



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: 55.398 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001212.D

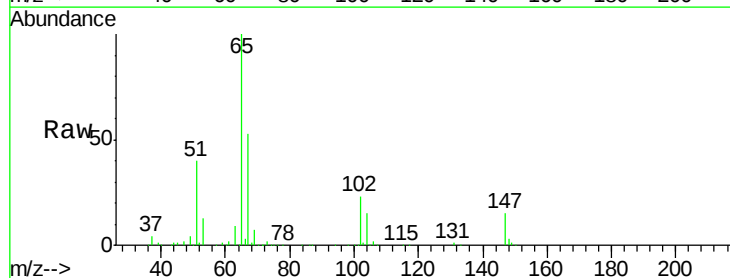
Acq: 15 Jan 2020 13:05

Tgt Ion: 65 Resp: 102456

Ion Ratio Lower Upper

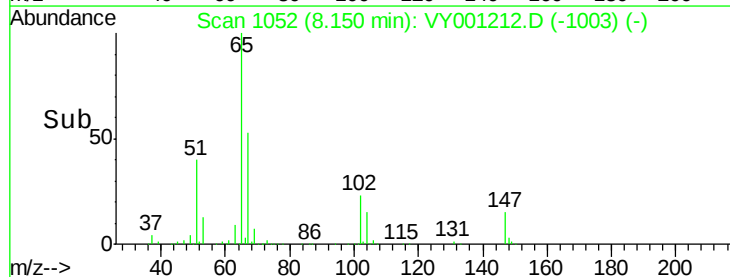
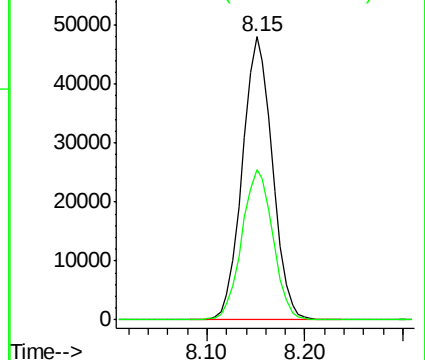
65 100

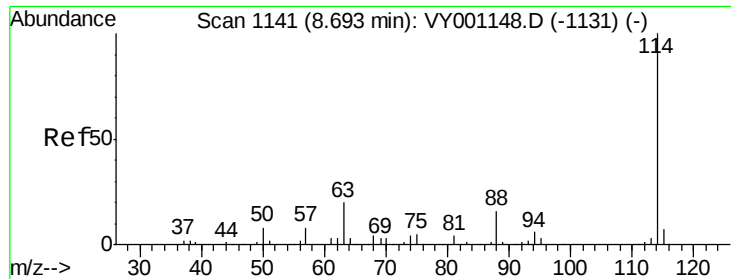
67 54.9 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

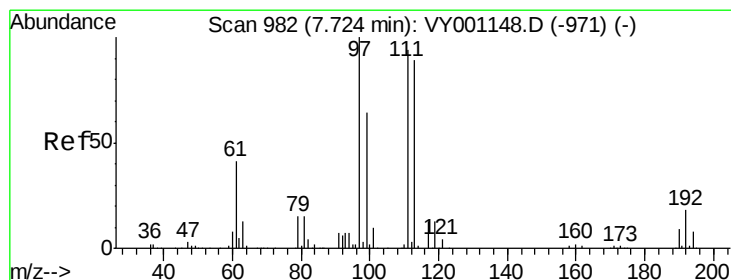
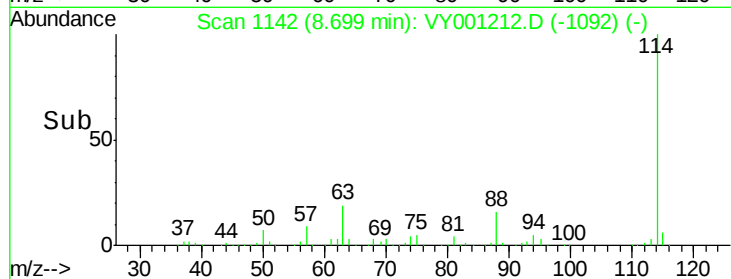
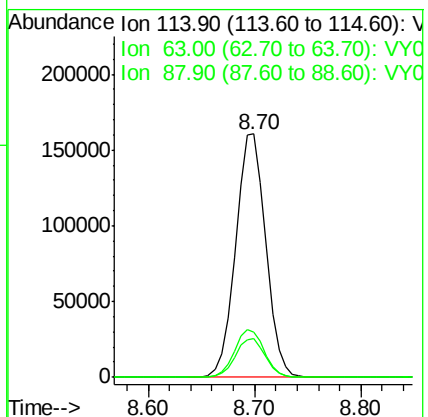
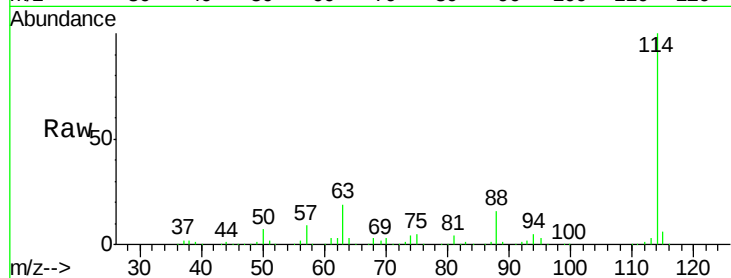




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VY001212.D
Acq: 15 Jan 2020 13:05

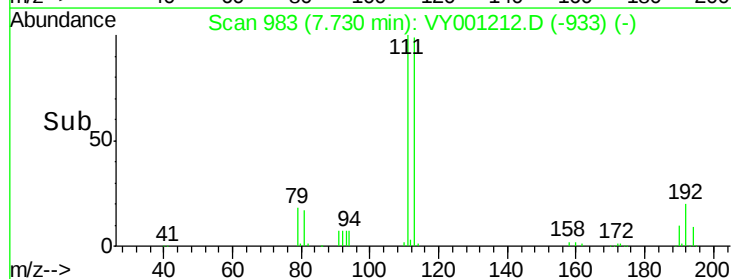
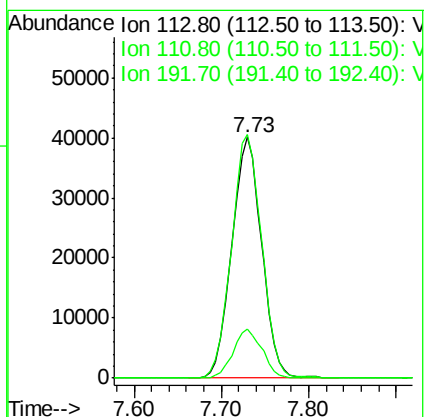
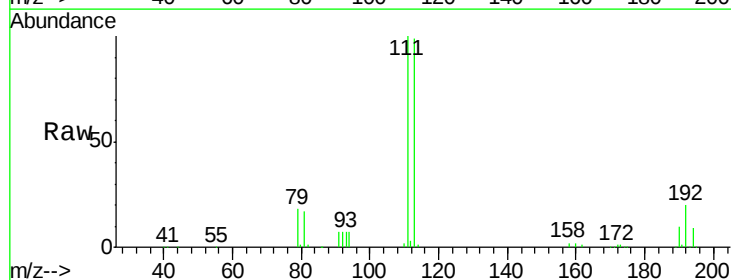
Instrument :
MSVOA_Y
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IBLK

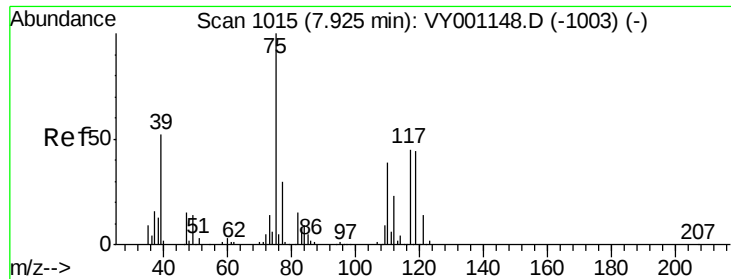
Tgt Ion:114 Resp: 318384
Ion Ratio Lower Upper
114 100
63 18.7 0.0 40.8
88 15.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.945 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.01 min
Lab File: VY001212.D
Acq: 15 Jan 2020 13:05

Tgt Ion:113 Resp: 94968
Ion Ratio Lower Upper
113 100
111 102.0 82.9 124.3
192 19.6 15.4 23.2

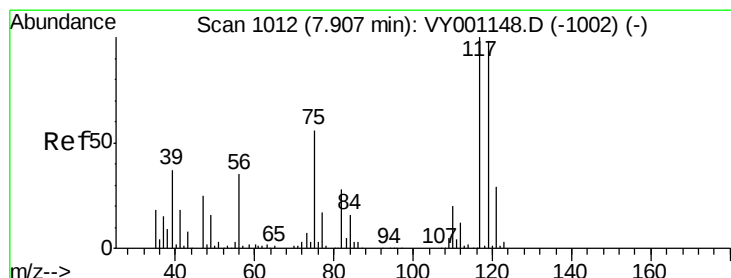
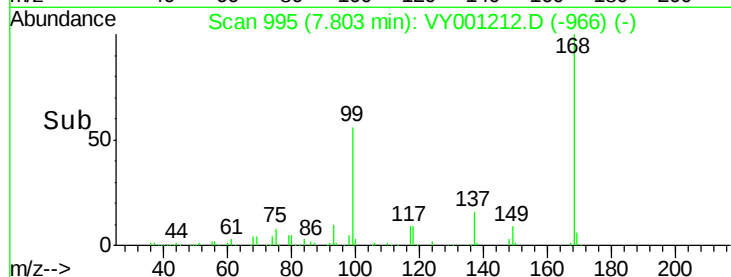
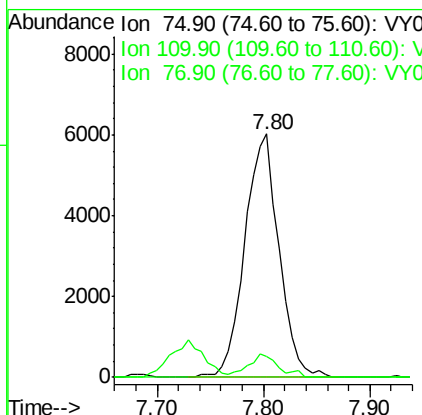
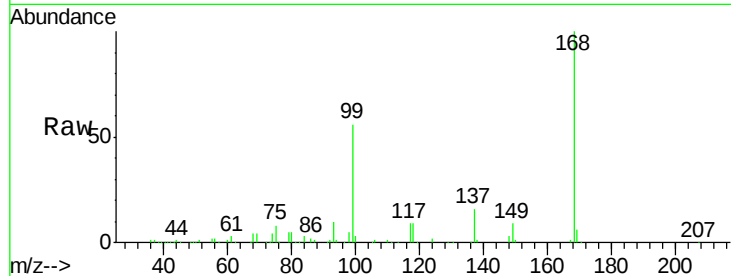




#36
 1,1-Dichloropropene
 Concen: 4.673 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001212.D
 Acq: 15 Jan 2020 13:05

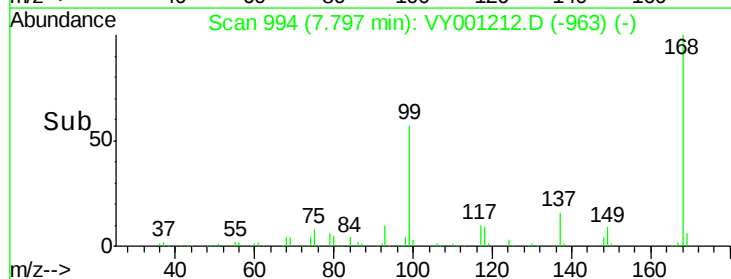
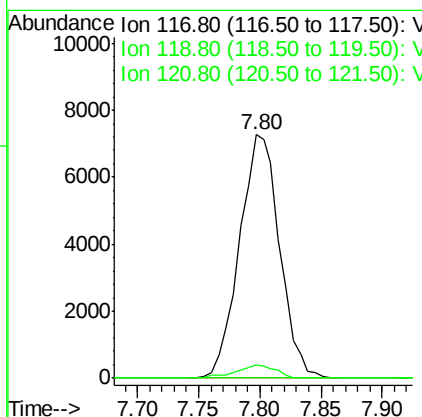
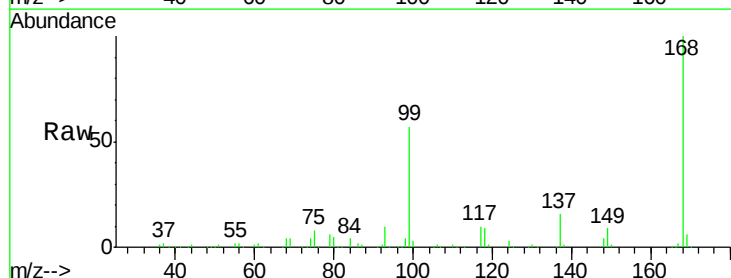
Instrument :
 MSVOA_Y
 ClientSampleId :
 IBLK

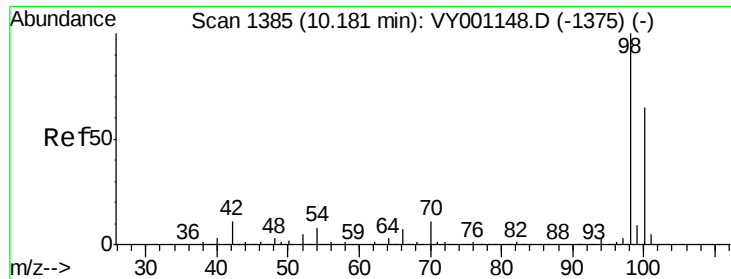
Tgt Ion: 75 Resp: 13560
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.3 54.8#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.204 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY001212.D
 Acq: 15 Jan 2020 13:05

Tgt Ion: 117 Resp: 16499
 Ion Ratio Lower Upper
 117 100
 119 5.7 78.3 117.5#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 52.284 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001212.D

Acq: 15 Jan 2020 13:05

Instrument :

MSVOA_Y

ClientSampled :

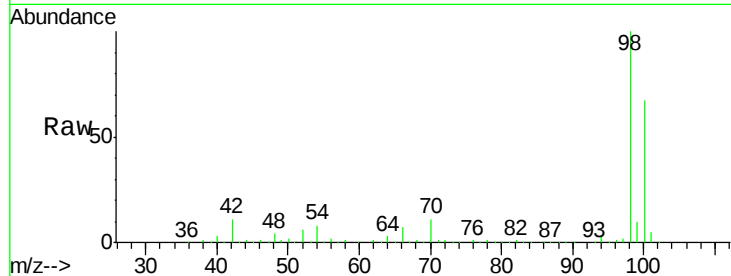
IBLK

Tgt Ion: 98 Resp: 375545

Ion Ratio Lower Upper

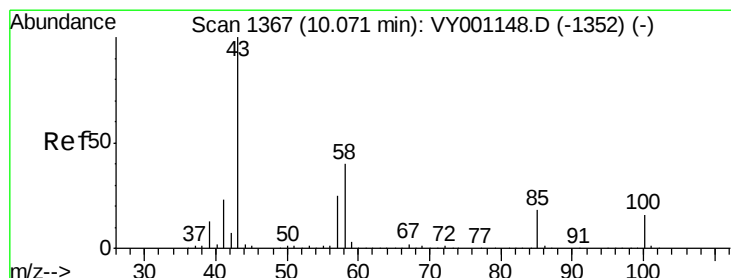
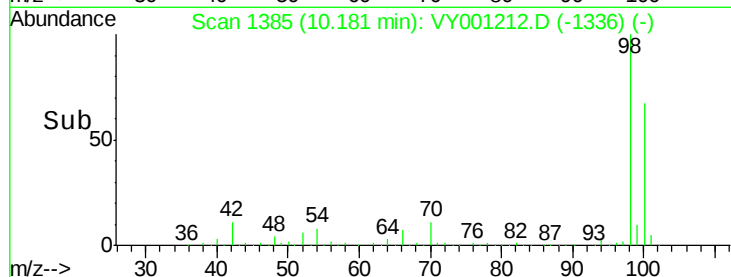
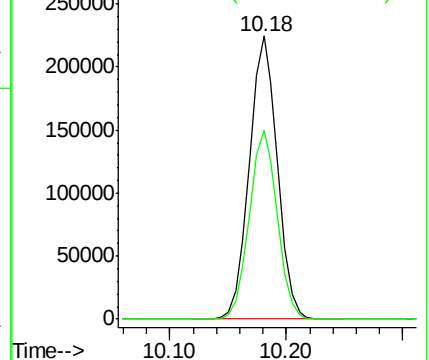
98 100

100 66.3 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#51

4-Methyl-2-Pentanone

Concen: 1.017 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY001212.D

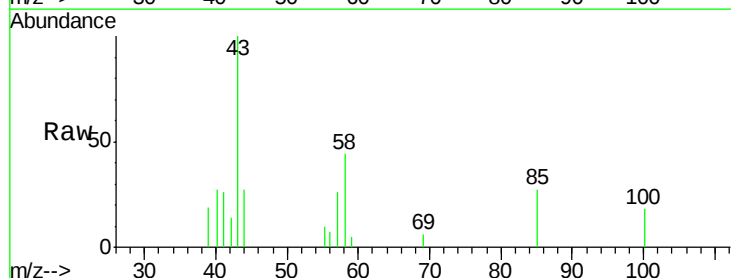
Acq: 15 Jan 2020 13:05

Tgt Ion: 43 Resp: 1681

Ion Ratio Lower Upper

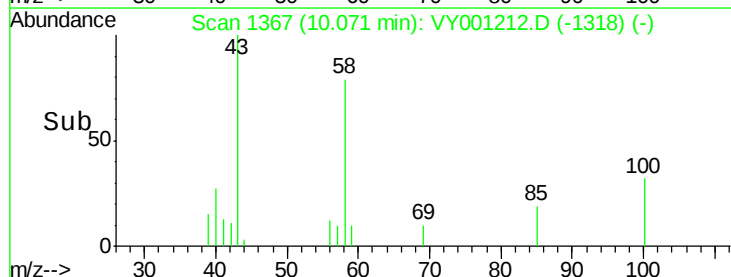
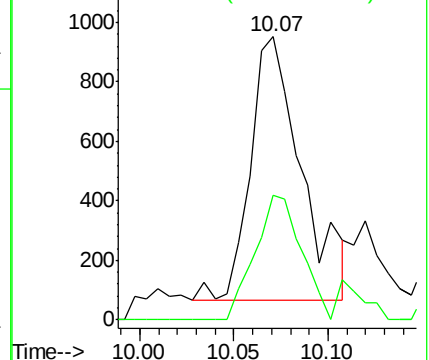
43 100

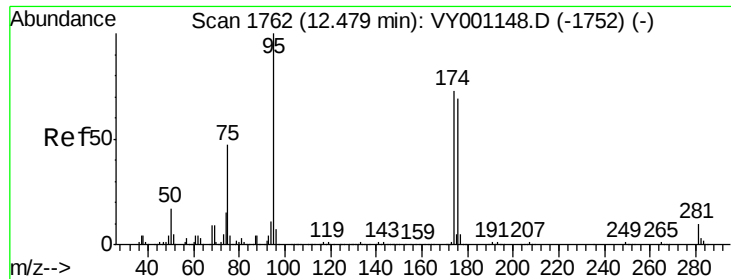
58 42.4 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

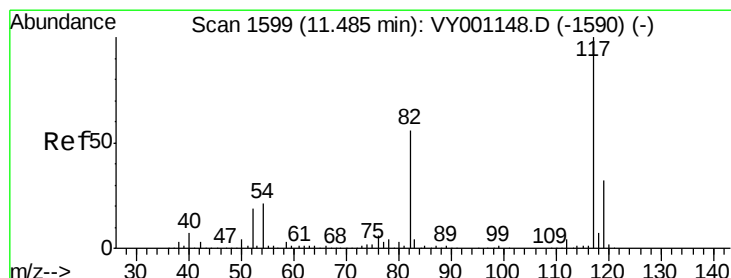
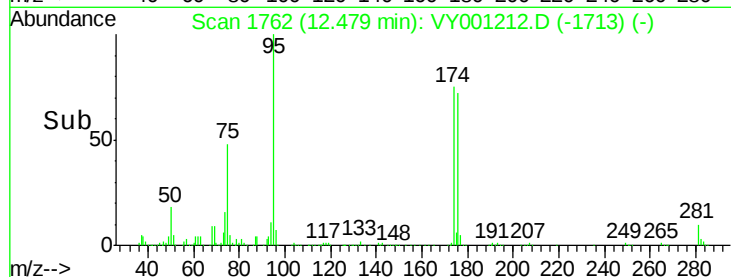
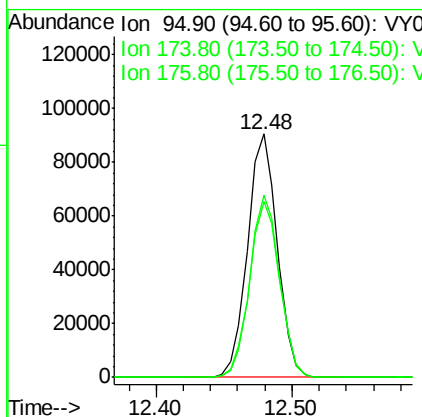
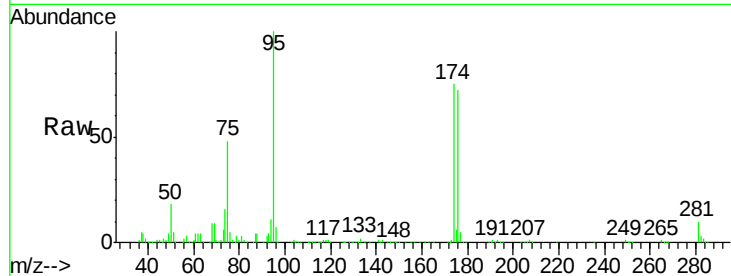




#62
4-Bromofluorobenzene
Concen: 47.124 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY001212.D
Acq: 15 Jan 2020 13:05

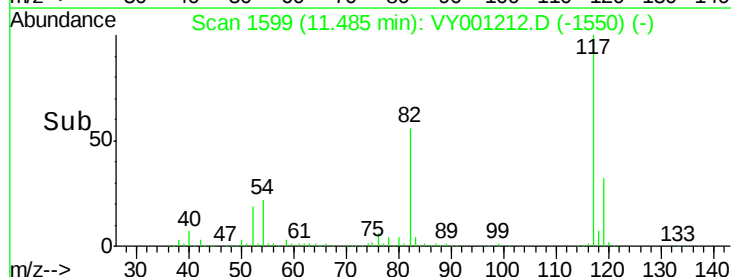
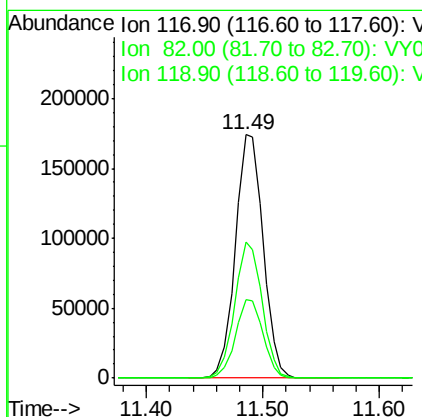
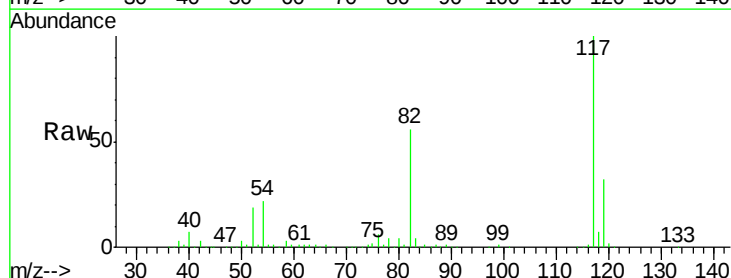
Instrument :
MSVOA_Y
ClientSampleId :
IBLK

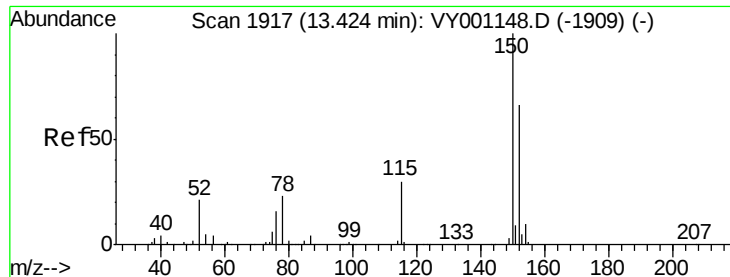
Tgt Ion: 95 Resp: 138382
Ion Ratio Lower Upper
95 100
174 75.2 0.0 143.2
176 73.4 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VY001212.D
Acq: 15 Jan 2020 13:05

Tgt Ion: 117 Resp: 288870
Ion Ratio Lower Upper
117 100
82 55.7 44.9 67.3
119 32.2 25.7 38.5



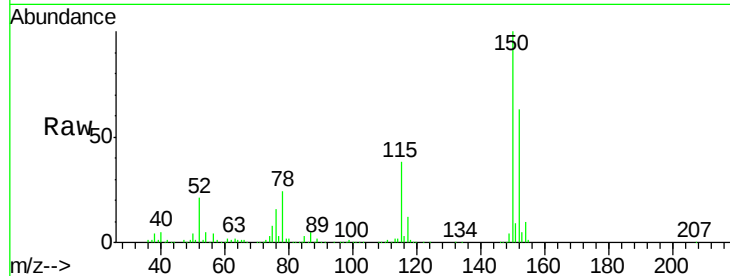


#72

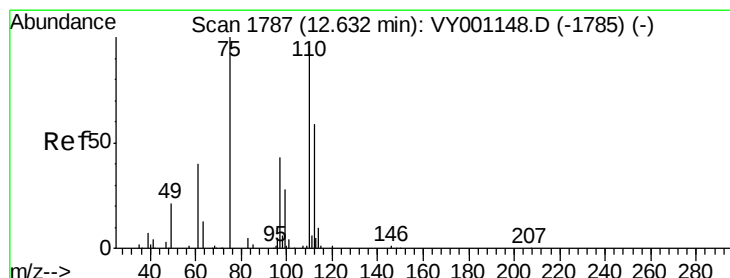
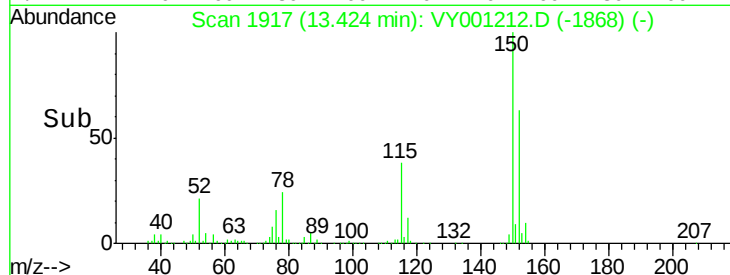
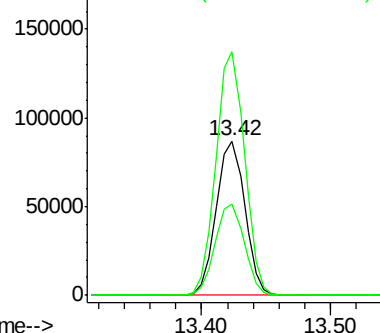
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001212.D
Acq: 15 Jan 2020 13:05

Instrument :
MSVOA_Y
ClientSampled :
IBLK

Tgt Ion:152 Resp: 133228
Ion Ratio Lower Upper
152 100
115 60.4 30.9 92.5
150 158.3 0.0 346.8



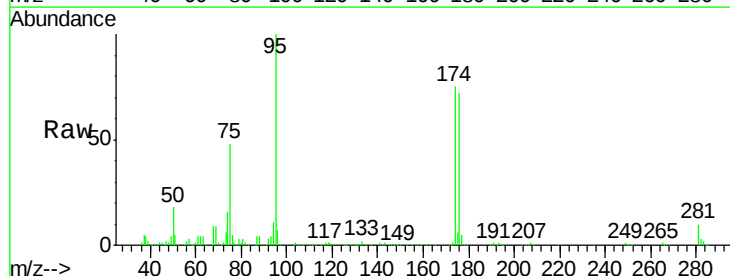
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



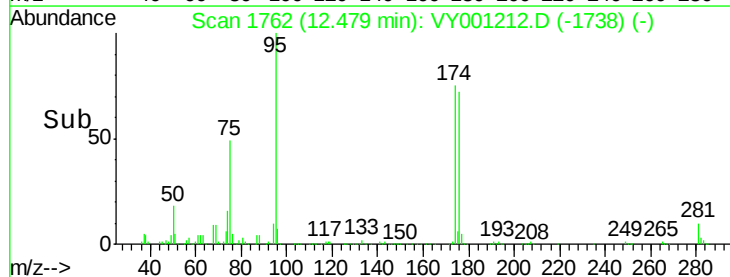
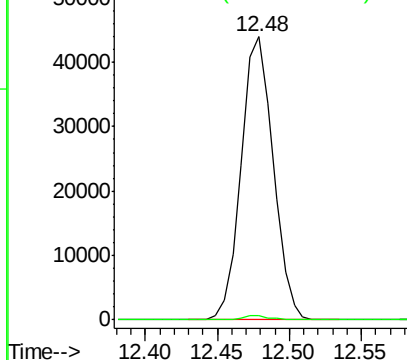
#76

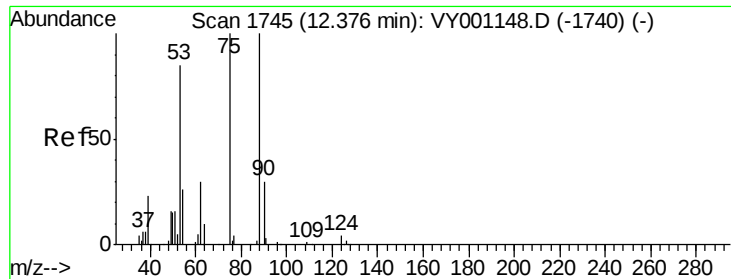
1,2,3-Trichloropropane
Concen: 47.603 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY001212.D
Acq: 15 Jan 2020 13:05

Tgt Ion: 75 Resp: 67892
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: 80.724 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001212.D

Acq: 15 Jan 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

IBLK

Tgt Ion: 75 Resp: 67892

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.3 0.0 0.0#

