

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY031220\
 Data File : VY001962.D
 Acq On : 12 Mar 2020 18:18
 Operator : SY/MD
 Sample : L1913-05
 Misc : 6.22G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MK-031220-0-1-GRAB-B3

Quant Time: Mar 13 05:42:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	168652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	323772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	292229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	125971	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	104791	58.20	ug/l	0.00
Spiked Amount			Recovery	=	116.40%	
35) Dibromofluoromethane	7.74	113	95016	53.74	ug/l	0.00
Spiked Amount			Recovery	=	107.48%	
50) Toluene-d8	10.19	98	395021	52.99	ug/l	0.00
Spiked Amount			Recovery	=	105.98%	
62) 4-Bromofluorobenzene	12.49	95	136319	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	

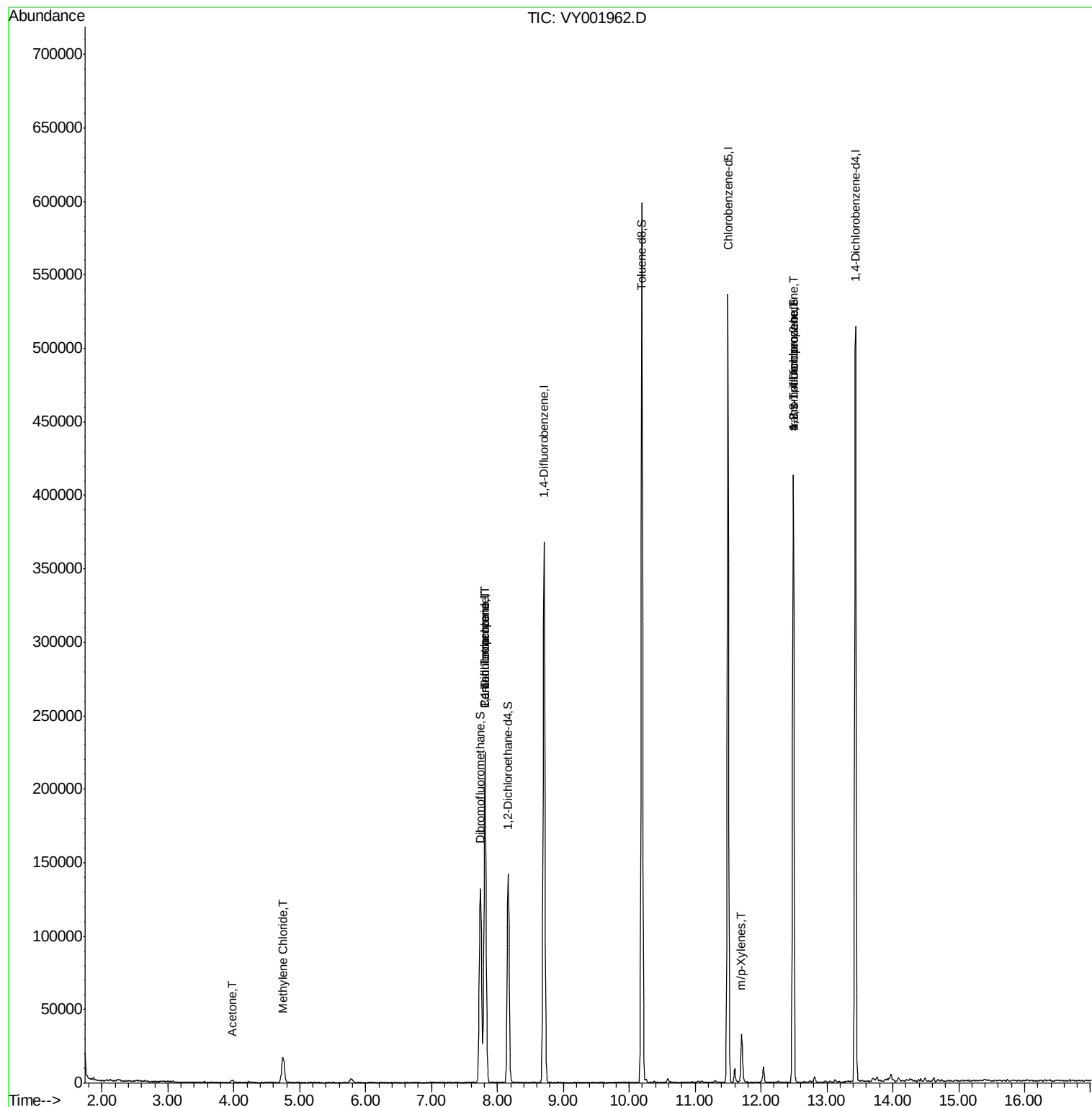
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.68	94	26	Below Cal		82
11) Tert butyl alcohol	4.99	59	133	Below Cal	#	74
16) Acetone	3.97	43	3093	5.90	ug/l #	83
20) Methylene Chloride	4.75	84	13230	5.89	ug/l	98
36) 1,1-Dichloropropene	7.81	75	14282	4.58	ug/l #	51
38) Carbon Tetrachloride	7.81	117	17551	6.59	ug/l #	16
68) m/p-Xylenes	11.70	106	9450	2.35	ug/l	97
76) 1,2,3-Trichloropropane	12.49	75	68701	45.96	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	68701	92.84	ug/l #	17

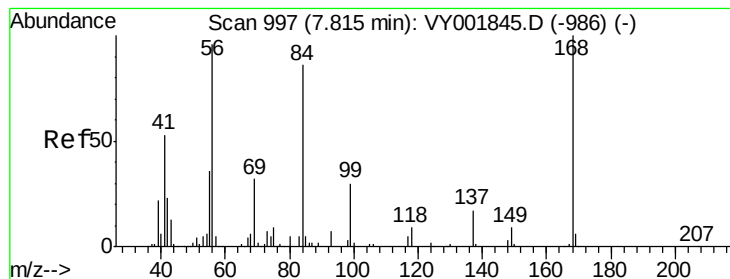
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY031220\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.81 min Scan# 997

Delta R.T. -0.00 min

Lab File: VY001962.D

Acq: 12 Mar 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

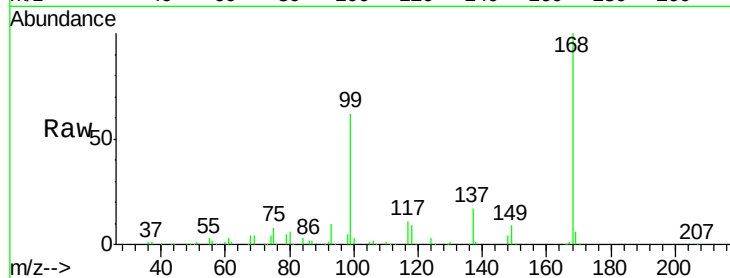
MK-031220-0-1-GRAB-B3

Tgt Ion:168 Resp: 168652

Ion Ratio Lower Upper

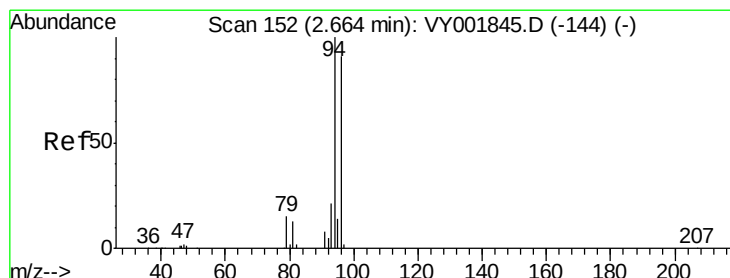
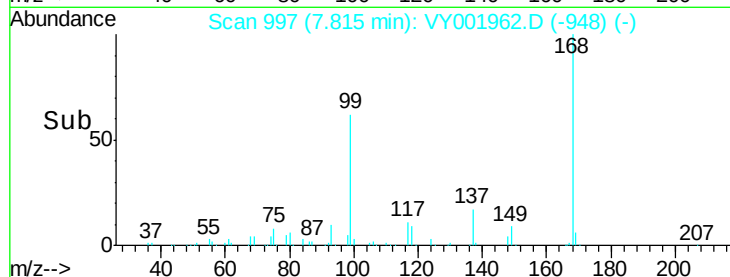
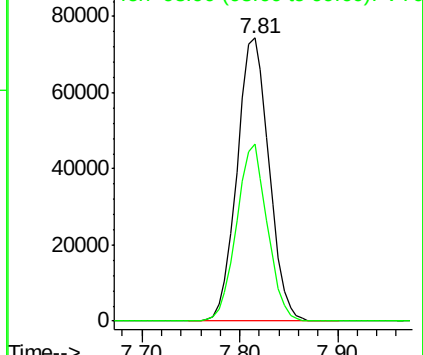
168 100

99 62.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D

Ion 98.90 (98.60 to 99.60): VY001845.D



#5

Bromomethane

Concen: Below Cal

RT: 2.68 min Scan# 155

Delta R.T. 0.02 min

Lab File: VY001962.D

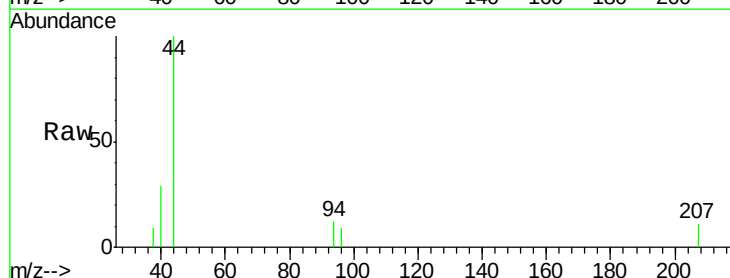
Acq: 12 Mar 2020 18:18

Tgt Ion: 94 Resp: 26

Ion Ratio Lower Upper

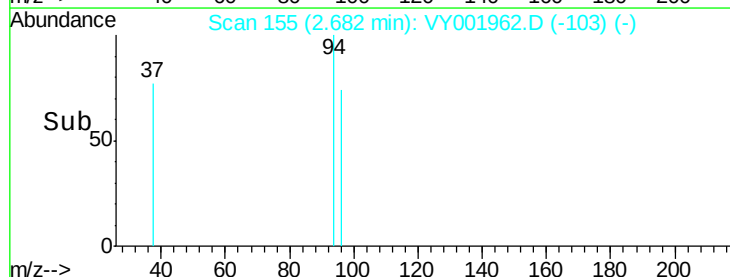
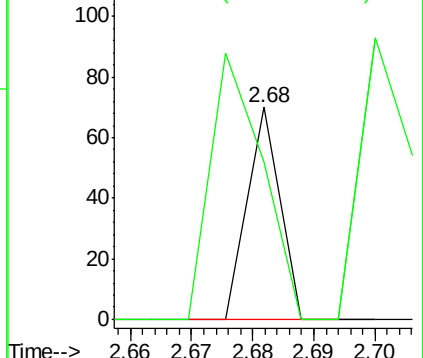
94 100

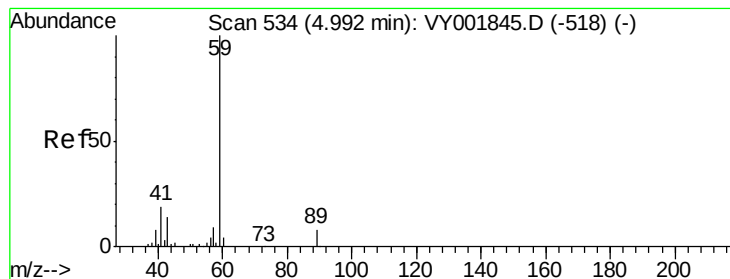
96 74.3 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D

Ion 95.90 (95.60 to 96.60): VY001845.D



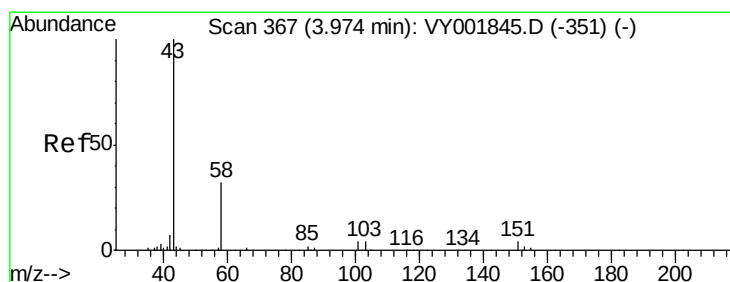
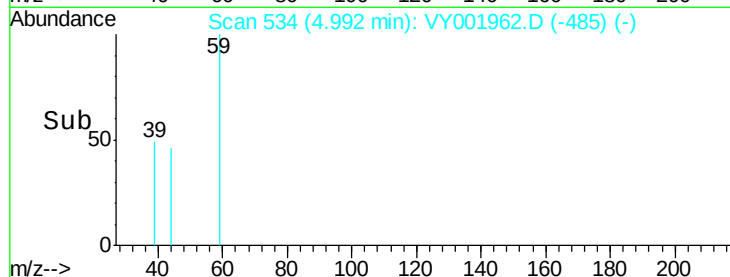
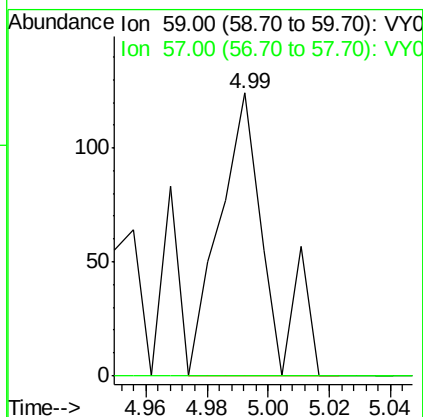
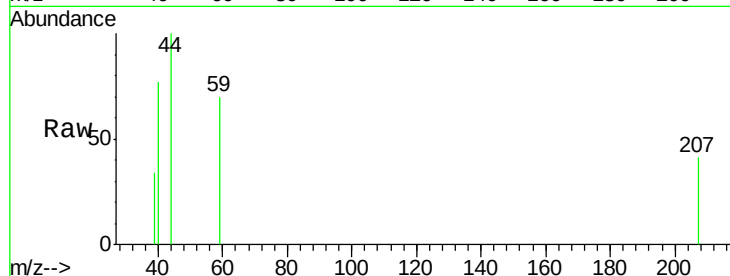


#11

Tert butyl alcohol
Concen: Below Cal
RT: 4.99 min Scan# 534
Delta R.T. 0.00 min
Lab File: VY001962.D
Acq: 12 Mar 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
MK-031220-0-1-GRAB-B3

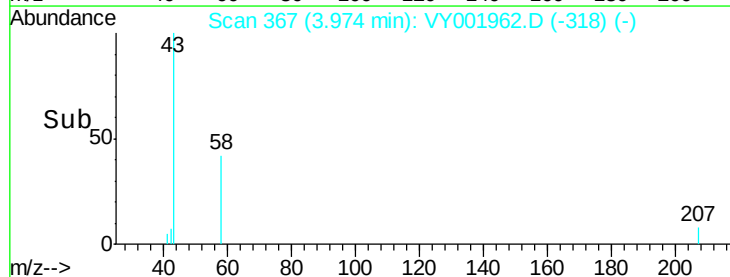
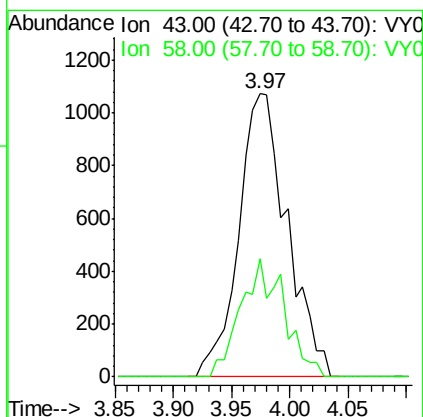
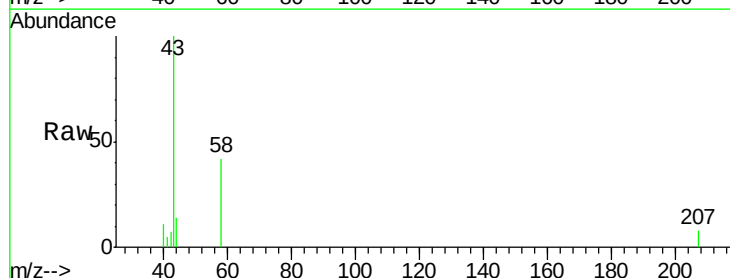
Tgt Ion: 59 Resp: 133
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

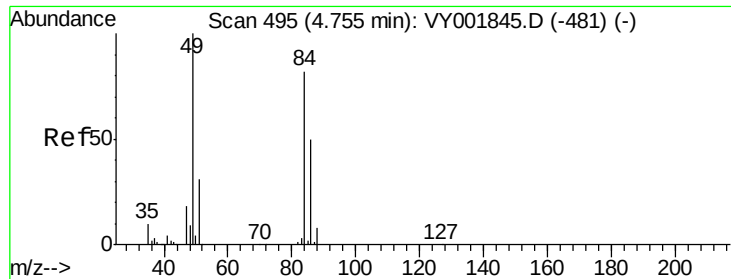


#16

Acetone
Concen: 5.90 ug/l
RT: 3.97 min Scan# 367
Delta R.T. -0.00 min
Lab File: VY001962.D
Acq: 12 Mar 2020 18:18

Tgt Ion: 43 Resp: 3093
Ion Ratio Lower Upper
43 100
58 41.8 25.9 38.9#

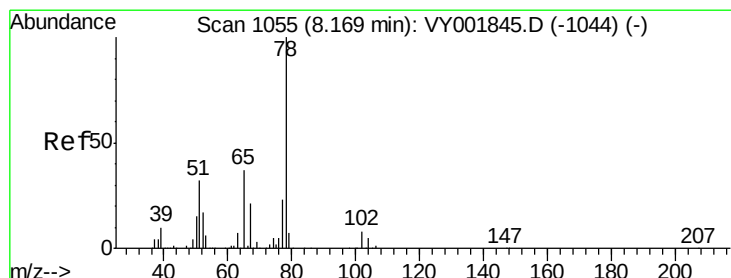
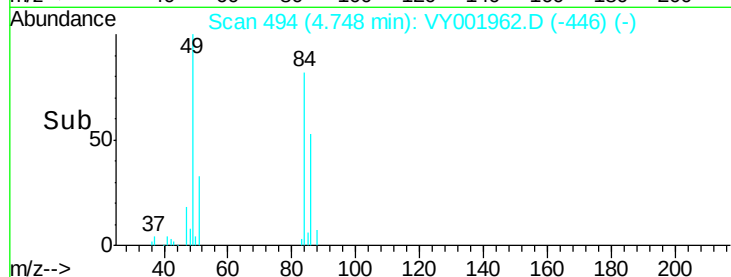
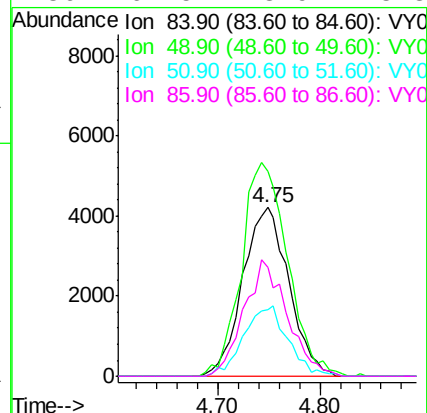
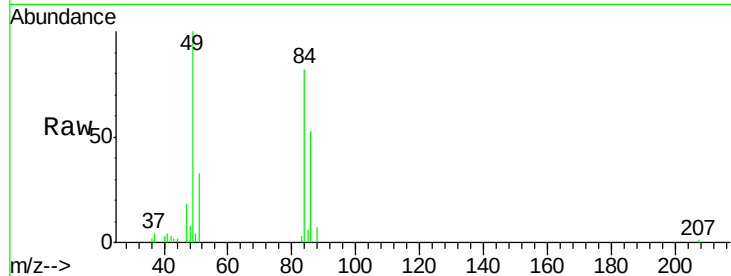




#20
Methylene Chloride
Concen: 5.89 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY001962.D
Acq: 12 Mar 2020 18:18

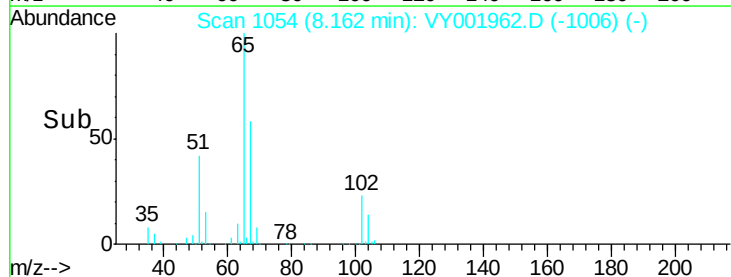
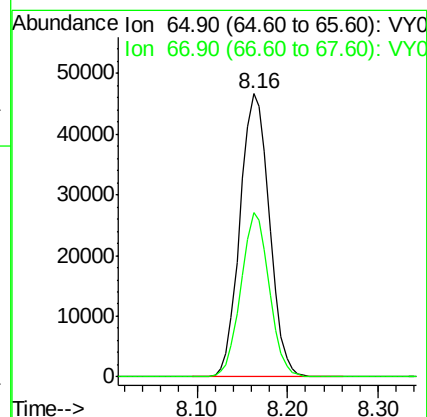
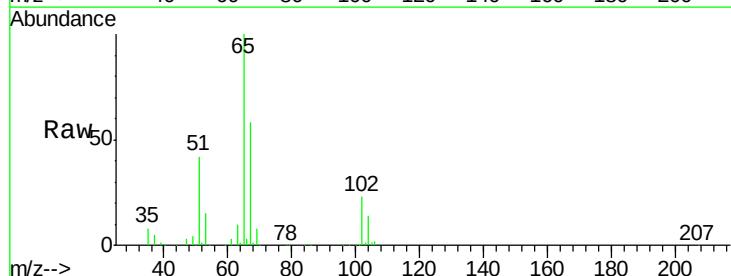
Instrument :
MSVOA_Y
ClientSampleId :
MK-031220-0-1-GRAB-B3

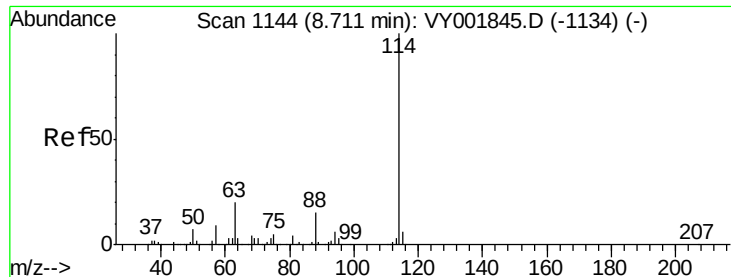
Tgt Ion:	84	Resp:	13230
Ion	Ratio	Lower	Upper
84	100		
49	121.4	98.2	147.2
51	39.7	30.2	45.2
86	64.5	48.9	73.3



#33
1,2-Dichloroethane-d4
Concen: 58.20 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY001962.D
Acq: 12 Mar 2020 18:18

Tgt Ion:	65	Resp:	104791
Ion	Ratio	Lower	Upper
65	100		
67	55.8	0.0	110.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VY001962.D

Acq: 12 Mar 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

MK-031220-0-1-GRAB-B3

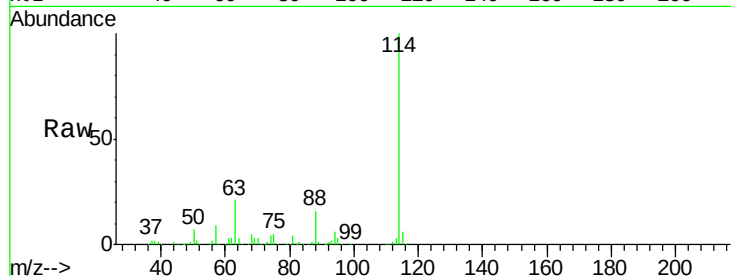
Tgt Ion:114 Resp: 323772

Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.4

88 16.1 0.0 30.4



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

200000

150000

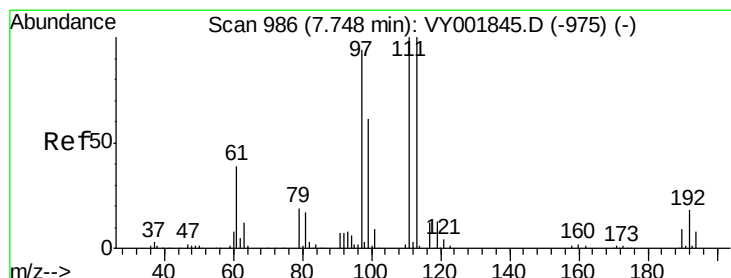
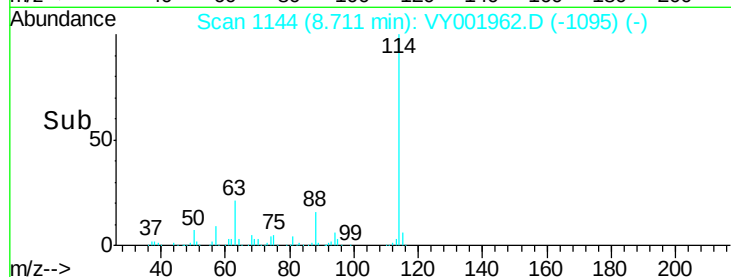
100000

50000

0

8.60 8.70 8.80

Time-->



#35

Dibromofluoromethane

Concen: 53.74 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001962.D

Acq: 12 Mar 2020 18:18

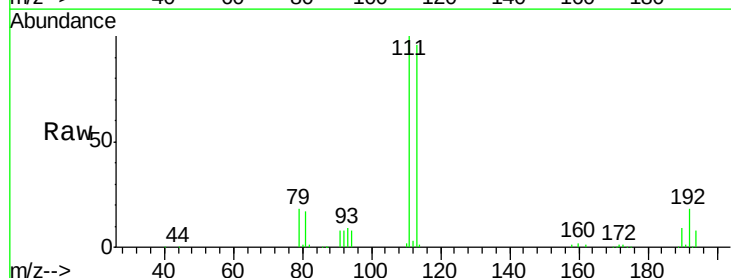
Tgt Ion:113 Resp: 95016

Ion Ratio Lower Upper

113 100

111 103.9 81.8 122.8

192 18.5 14.2 21.2



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

50000

40000

30000

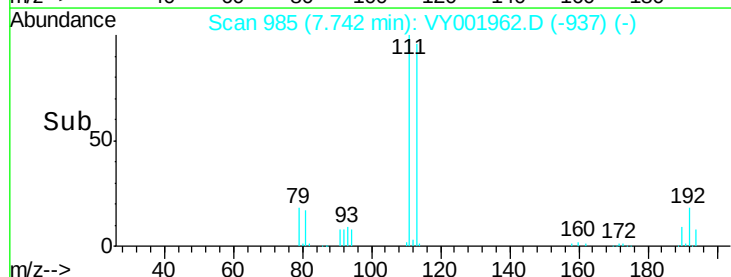
20000

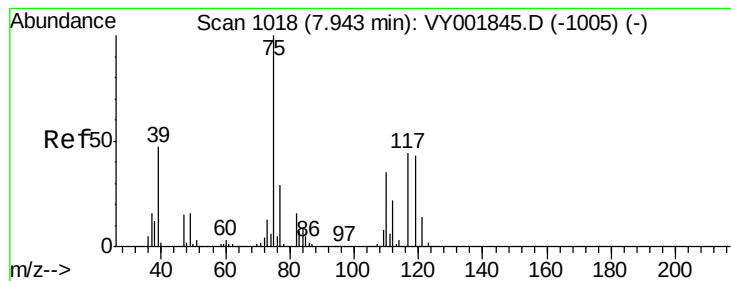
10000

0

7.70 7.80

Time-->





#36

1,1-Dichloropropene

Concen: 4.58 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.13 min

Lab File: VY001962.D

Acq: 12 Mar 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

MK-031220-0-1-GRAB-B3

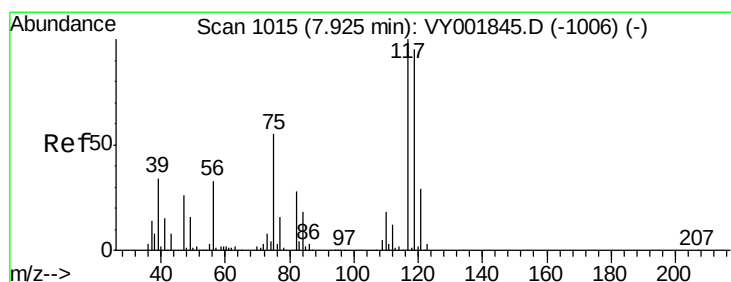
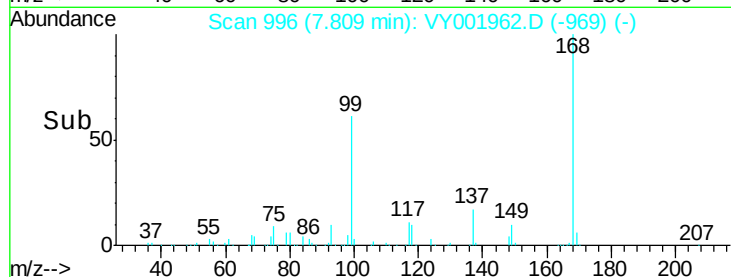
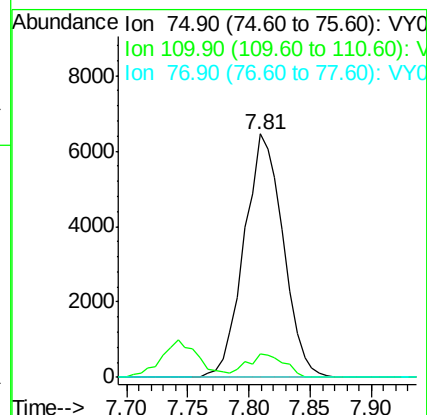
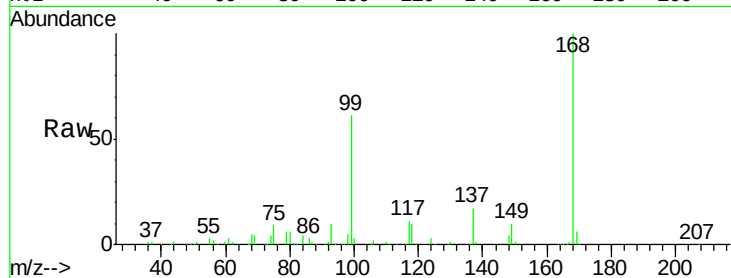
Tgt Ion: 75 Resp: 14282

Ion Ratio Lower Upper

75 100

110 9.3 17.4 52.2#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 6.59 ug/l

RT: 7.81 min Scan# 997

Delta R.T. -0.11 min

Lab File: VY001962.D

Acq: 12 Mar 2020 18:18

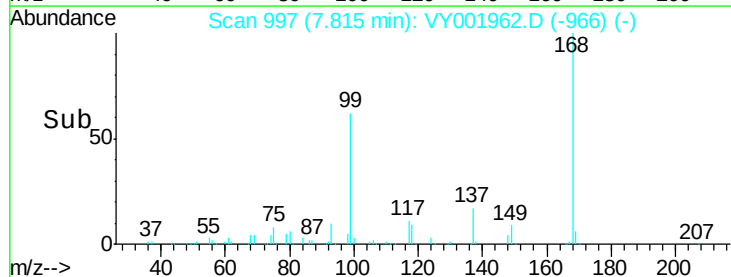
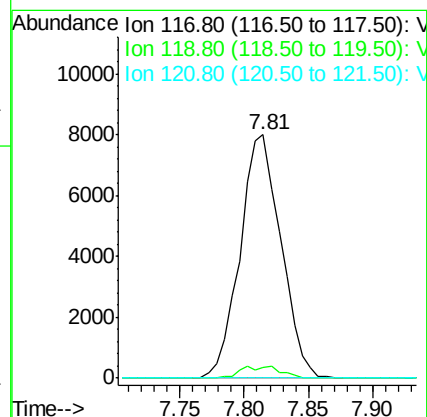
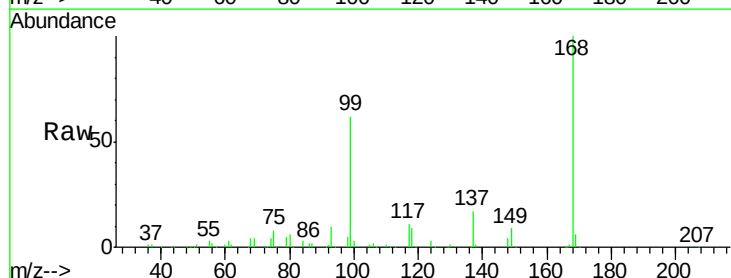
Tgt Ion: 117 Resp: 17551

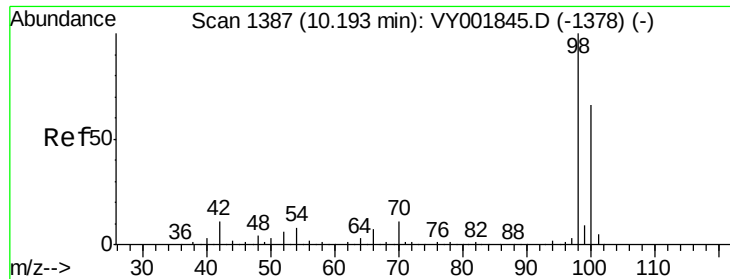
Ion Ratio Lower Upper

117 100

119 4.3 76.3 114.5#

121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 52.99 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VY001962.D

Acq: 12 Mar 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

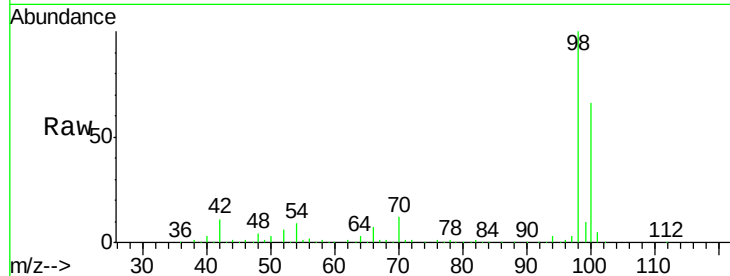
MK-031220-0-1-GRAB-B3

Tgt Ion: 98 Resp: 395021

Ion Ratio Lower Upper

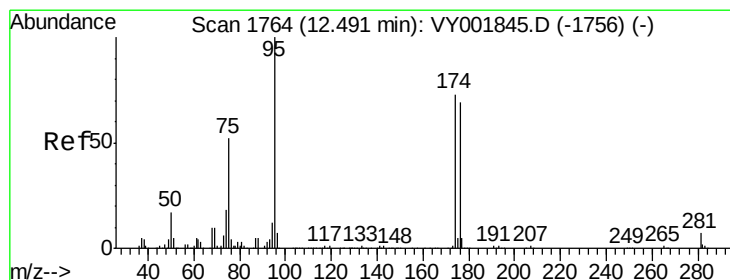
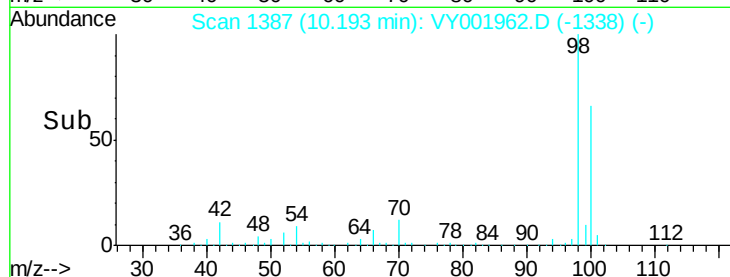
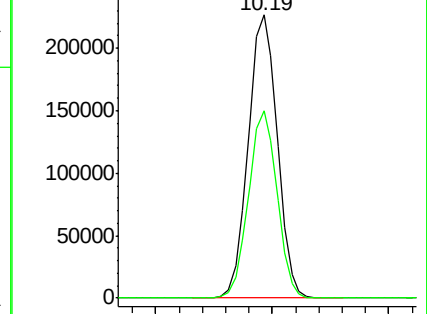
98 100

100 65.1 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001845.D (-1378) (-)



#62

4-Bromofluorobenzene

Concen: 52.59 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY001962.D

Acq: 12 Mar 2020 18:18

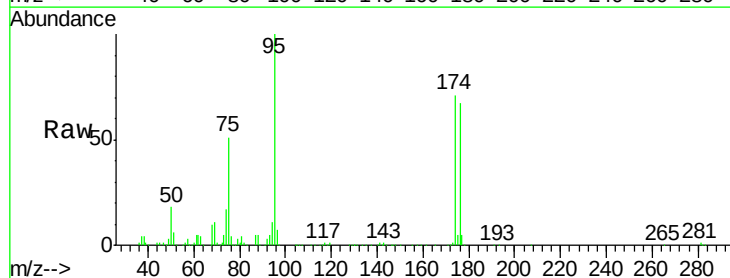
Tgt Ion: 95 Resp: 136319

Ion Ratio Lower Upper

95 100

174 70.2 0.0 145.0

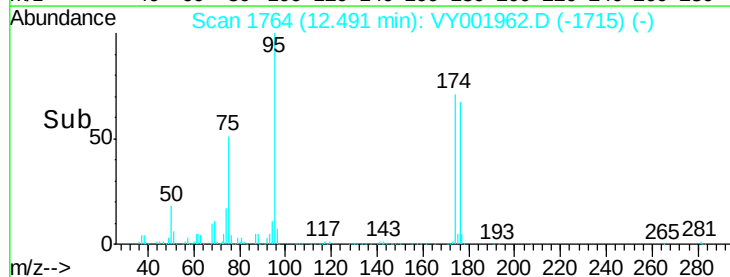
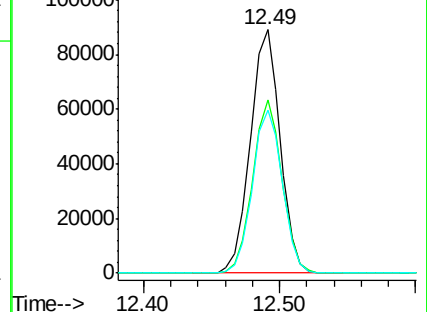
176 67.6 0.0 137.4

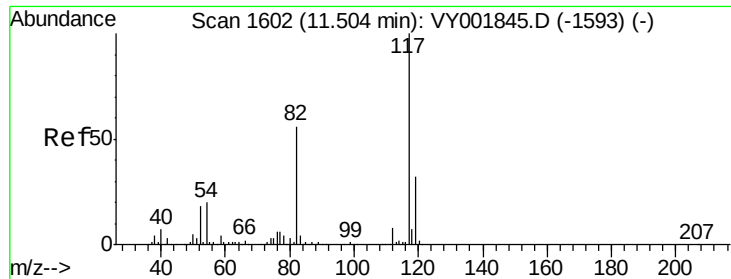


Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001845.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)

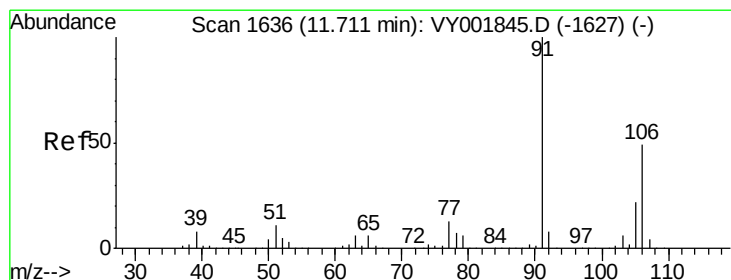
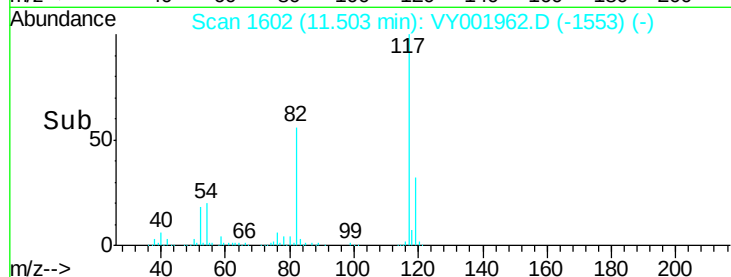
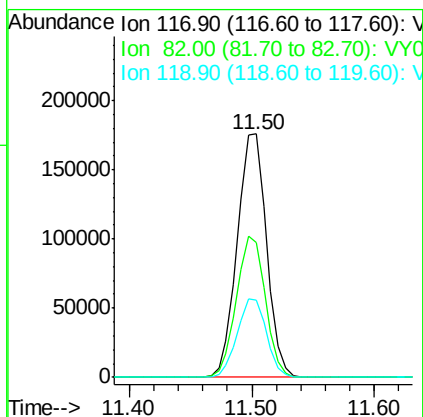
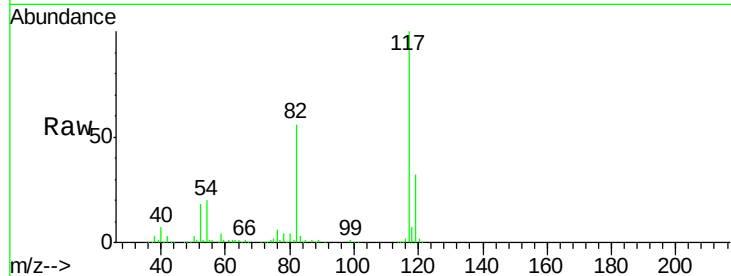




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY001962.D
Acq: 12 Mar 2020 18:18

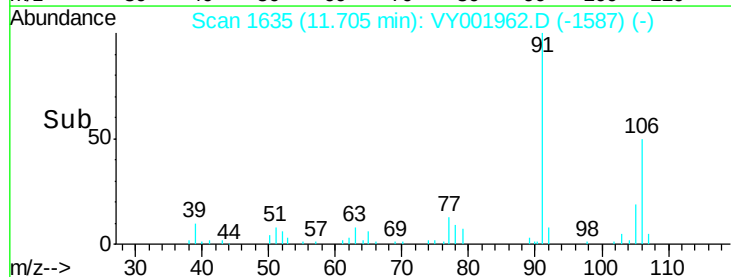
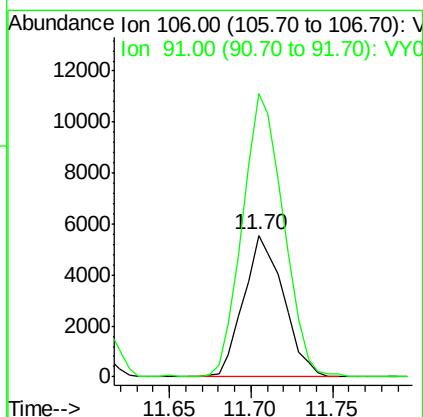
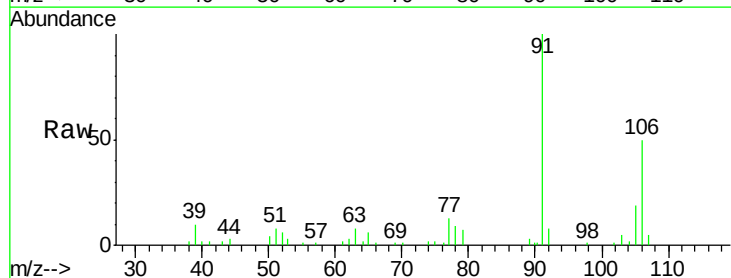
Instrument :
MSVOA_Y
ClientSampleId :
MK-031220-0-1-GRAB-B3

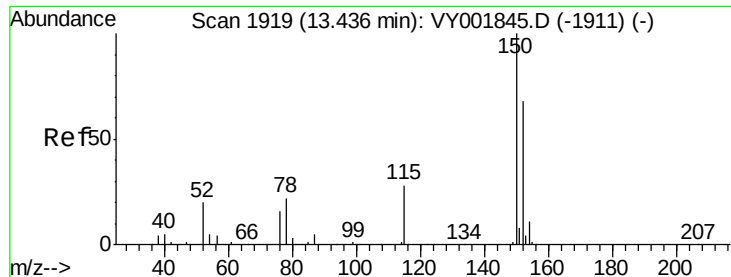
Tgt Ion:117 Resp: 292229
Ion Ratio Lower Upper
117 100
82 55.5 44.5 66.7
119 31.8 25.7 38.5



#68
m/p-Xylenes
Concen: 2.35 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001962.D
Acq: 12 Mar 2020 18:18

Tgt Ion:106 Resp: 9450
Ion Ratio Lower Upper
106 100
91 205.5 161.3 241.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY001962.D

Acq: 12 Mar 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

MK-031220-0-1-GRAB-B3

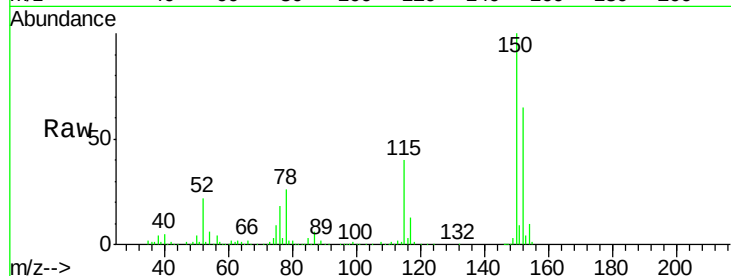
Tgt Ion:152 Resp: 125971

Ion Ratio Lower Upper

152 100

115 62.5 29.9 89.7

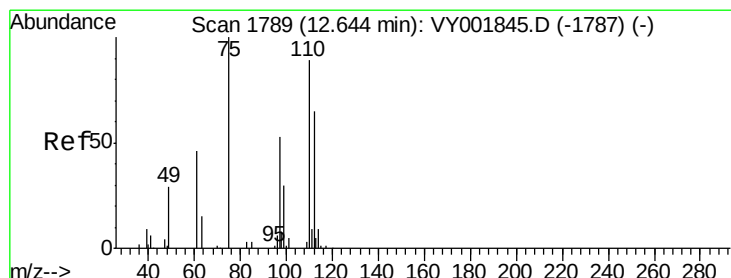
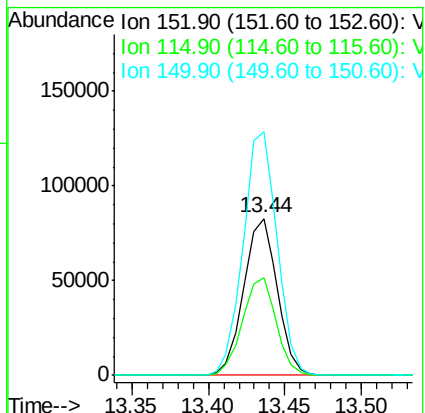
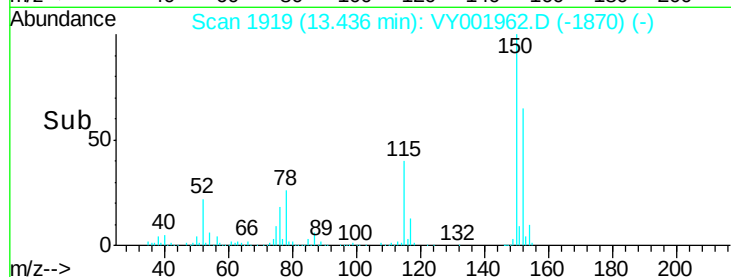
150 157.4 0.0 340.6



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: 45.96 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001962.D

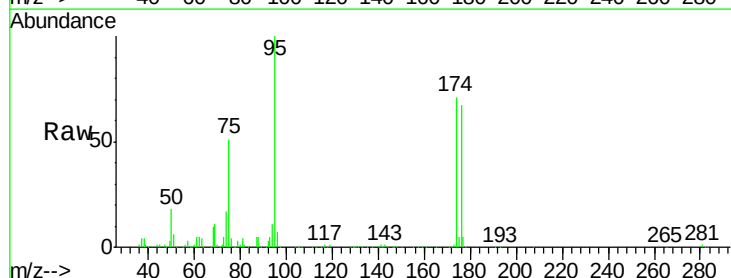
Acq: 12 Mar 2020 18:18

Tgt Ion: 75 Resp: 68701

Ion Ratio Lower Upper

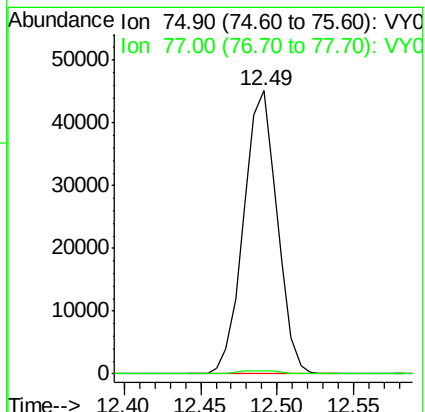
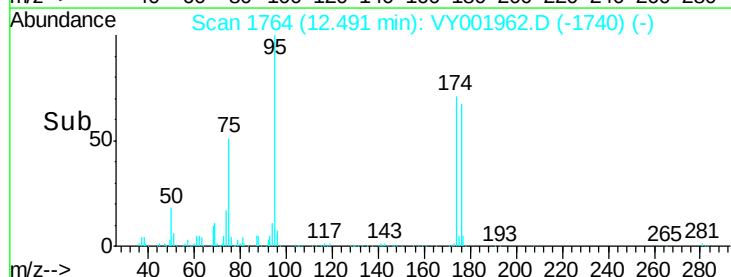
75 100

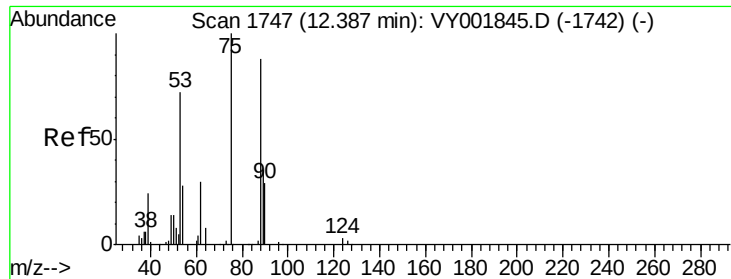
77 1.4 0.0 0.0#



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: 92.84 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001962.D

Acq: 12 Mar 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

MK-031220-0-1-GRAB-B3

Tgt Ion: 75 Resp: 68701

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.3 36.0 54.0#

