

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY031220\
 Data File : VY001960.D
 Acq On : 12 Mar 2020 17:34
 Operator : SY/MD
 Sample : L1913-01
 Misc : 7.10G/5ML/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MK-031220-0-1-GRAB-B1

Quant Time: Mar 13 05:42:25 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	7.82	168	174297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	328623	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	294881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	118347	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	106737	57.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.72%	
35) Dibromofluoromethane	7.74	113	98124	54.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.36%	
50) Toluene-d8	10.19	98	396578	52.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.82%	
62) 4-Bromofluorobenzene	12.49	95	133134	50.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.20%	

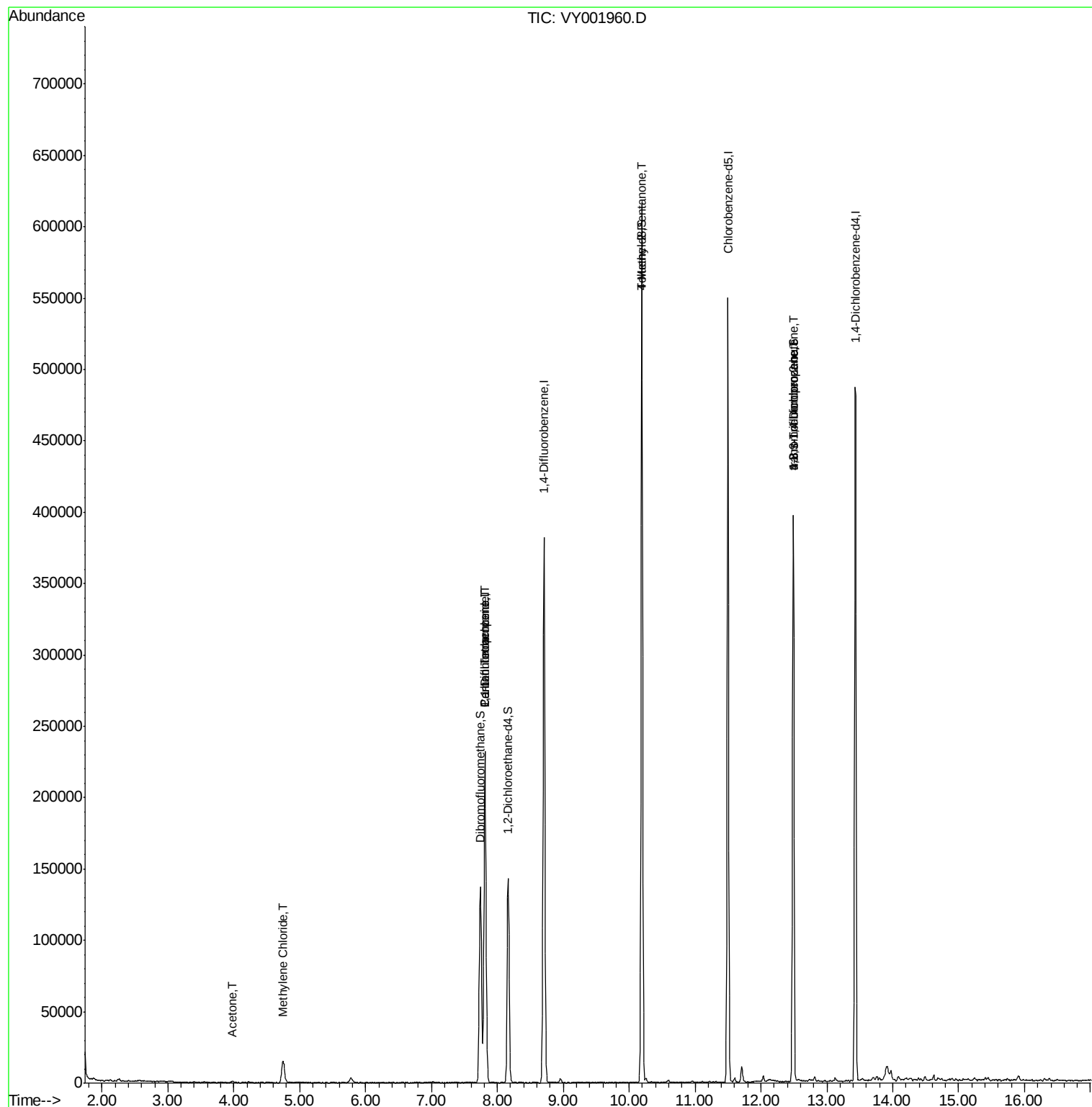
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.67	94	48	Below Cal	#	4
11) Tert butyl alcohol	5.01	59	73	Below Cal	#	74
16) Acetone	3.98	43	1683	3.11	ug/l #	87
20) Methylene Chloride	4.74	84	11647	5.01	ug/l #	98
36) 1,1-Dichloropropene	7.82	75	14780	4.67	ug/l #	50
38) Carbon Tetrachloride	7.82	117	17679	6.54	ug/l #	15
51) 4-Methyl-2-Pentanone	10.19	43	1801	1.00	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	67448	48.03	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	67448	97.02	ug/l #	17

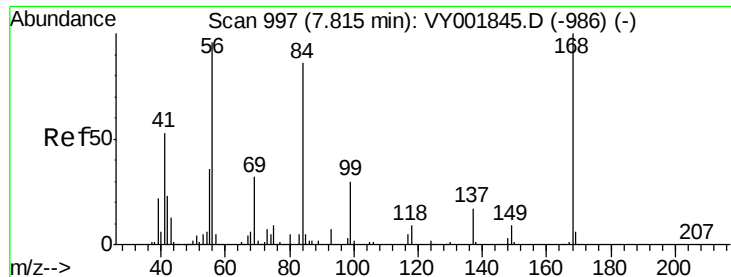
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY031220\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001960.D

Acq: 12 Mar 2020 17:34

Instrument :

MSVOA_Y

ClientSampleId :

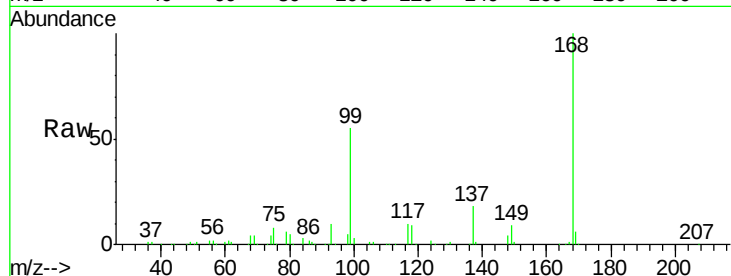
MK-031220-0-1-GRAB-B1

Tgt Ion:168 Resp: 174297

Ion Ratio Lower Upper

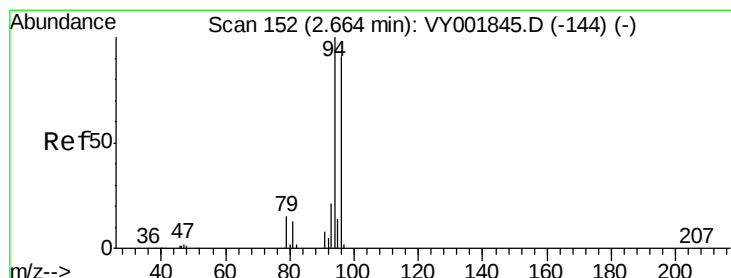
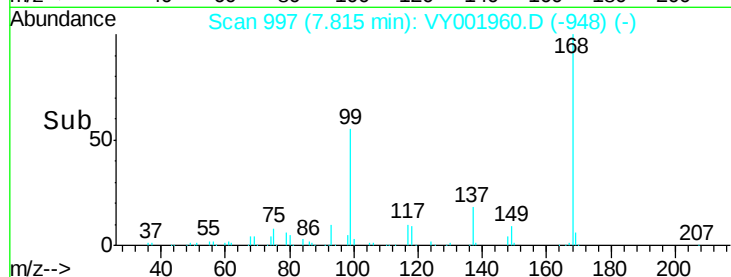
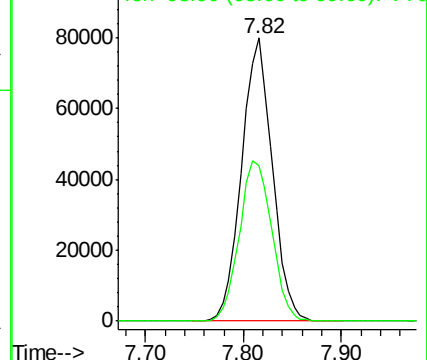
168 100

99 54.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001960.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001960.D (-948) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY001960.D

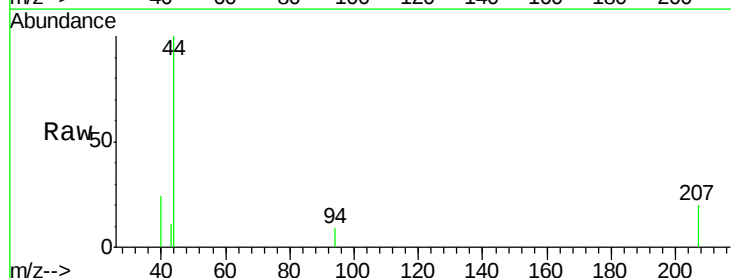
Acq: 12 Mar 2020 17:34

Tgt Ion: 94 Resp: 48

Ion Ratio Lower Upper

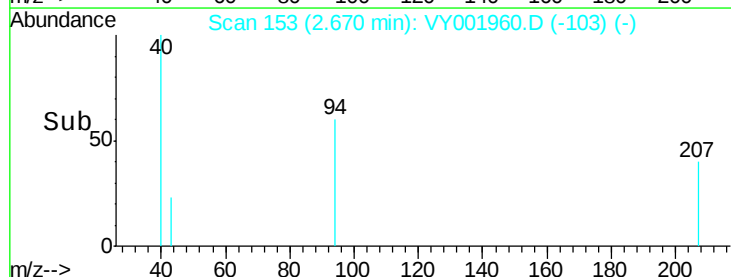
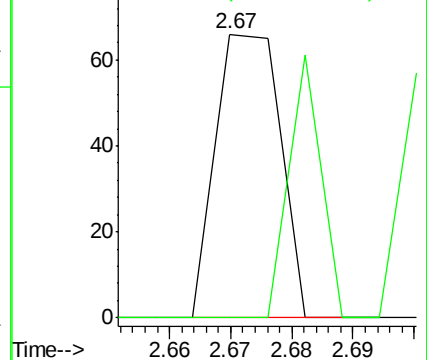
94 100

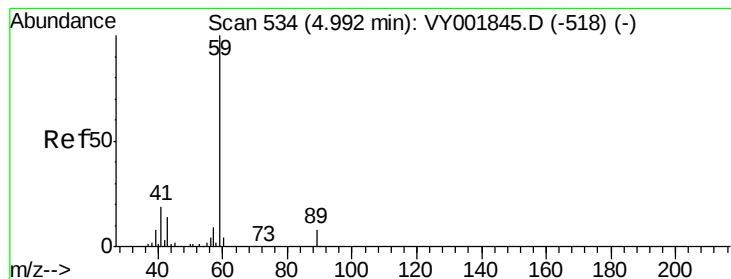
96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001960.D (-103) (-)

Ion 95.90 (95.60 to 96.60): VY001960.D (-103) (-)



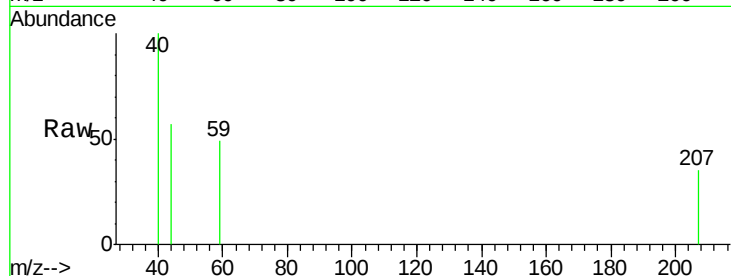


#11

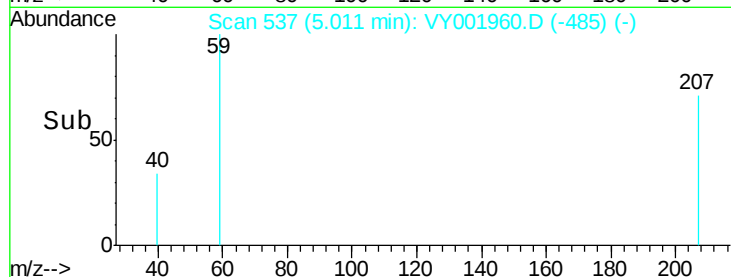
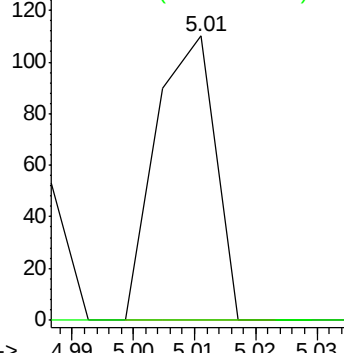
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.01 min Scan# 537
 Delta R.T. 0.02 min
 Lab File: VY001960.D
 Acq: 12 Mar 2020 17:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 MK-031220-0-1-GRAB-B1

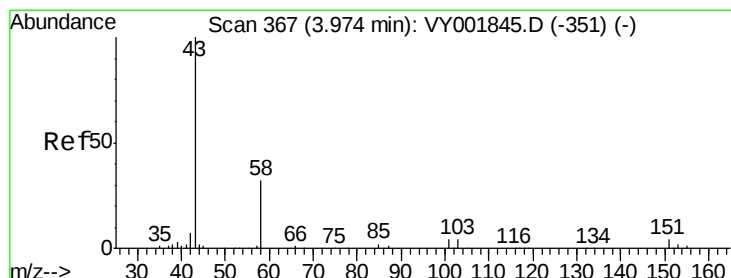
Tgt Ion: 59 Resp: 73
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



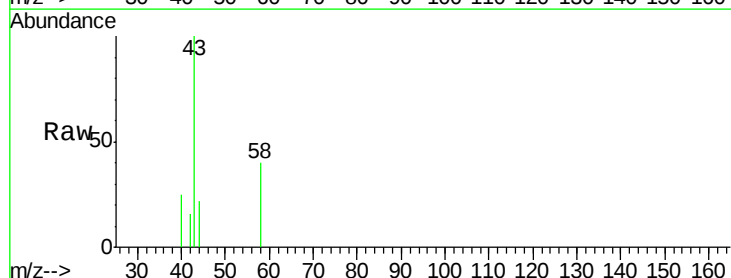
Time-->



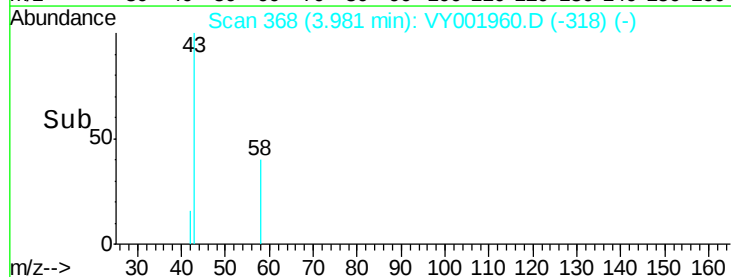
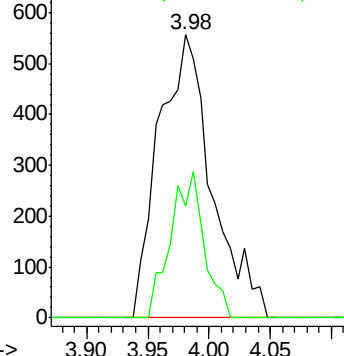
#16

Acetone
 Concen: 3.11 ug/l
 RT: 3.98 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VY001960.D
 Acq: 12 Mar 2020 17:34

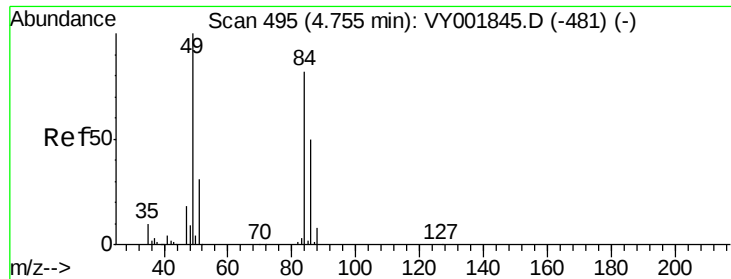
Tgt Ion: 43 Resp: 1683
 Ion Ratio Lower Upper
 43 100
 58 39.7 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0



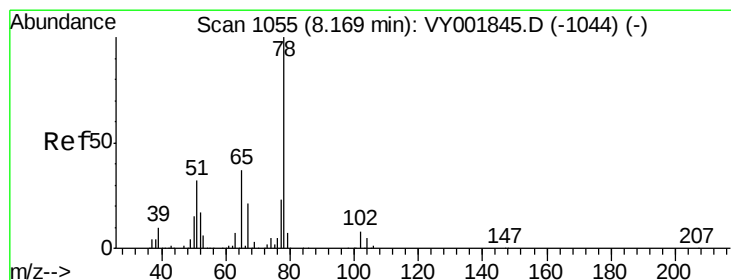
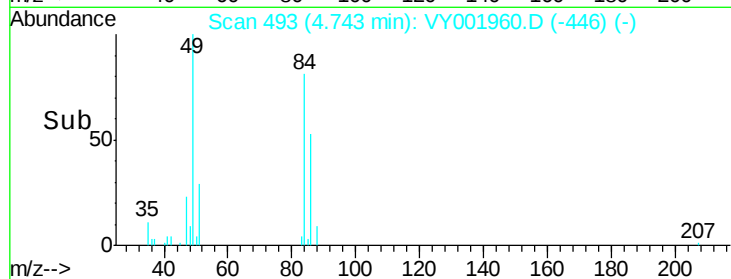
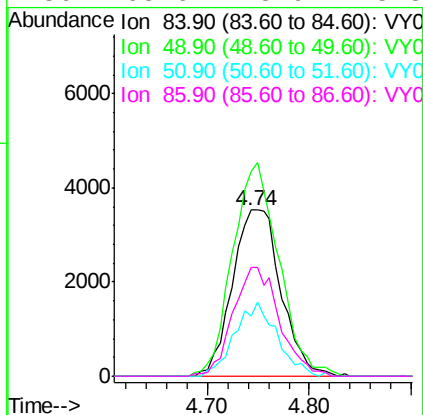
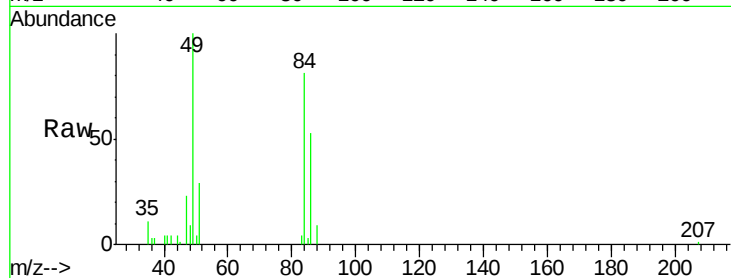
Time-->



#20
Methylene Chloride
Concen: 5.01 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001960.D
Acq: 12 Mar 2020 17:34

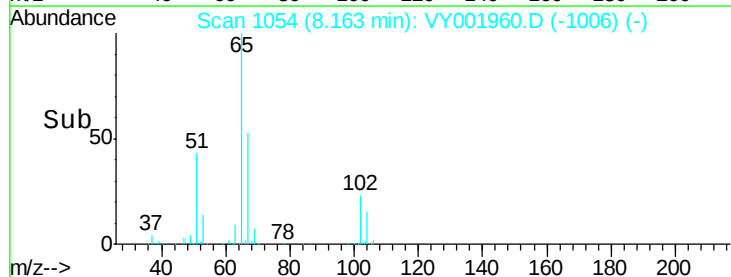
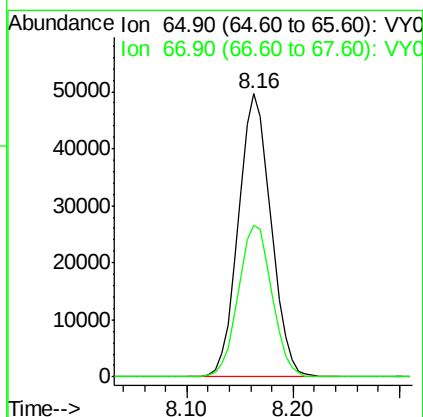
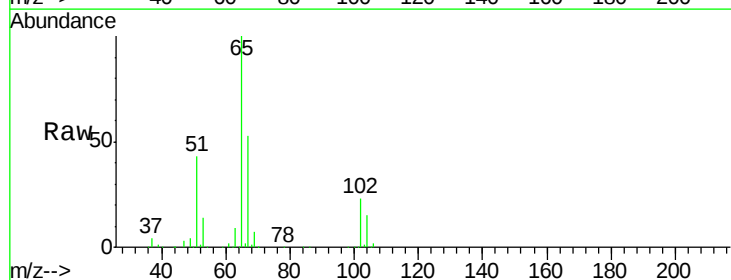
Instrument :
MSVOA_Y
ClientSampleId :
MK-031220-0-1-GRAB-B1

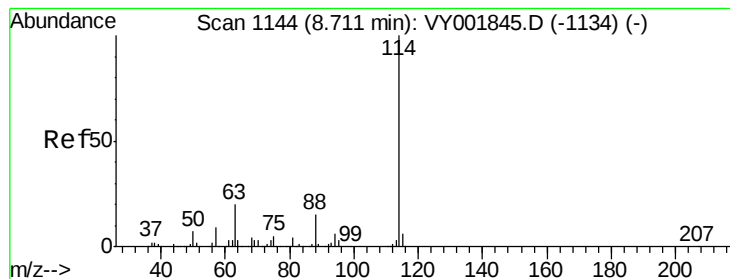
Tgt Ion: 84 Resp: 11647
Ion Ratio Lower Upper
84 100
49 122.9 98.2 147.2
51 36.1 30.2 45.2
86 65.6 48.9 73.3



#33
1,2-Dichloroethane-d4
Concen: 57.36 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY001960.D
Acq: 12 Mar 2020 17:34

Tgt Ion: 65 Resp: 106737
Ion Ratio Lower Upper
65 100
67 55.5 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: VY001960.D

Acq: 12 Mar 2020 17:34

Instrument :

MSVOA_Y

ClientSampleId :

MK-031220-0-1-GRAB-B1

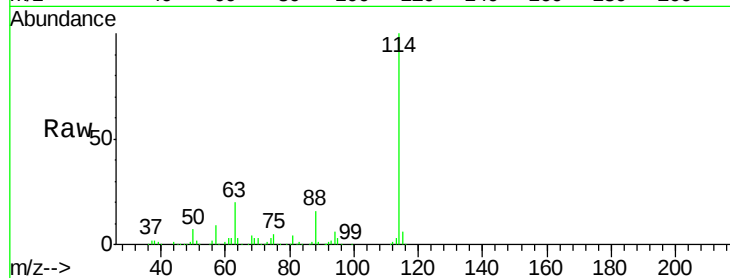
Tgt Ion:114 Resp: 328623

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

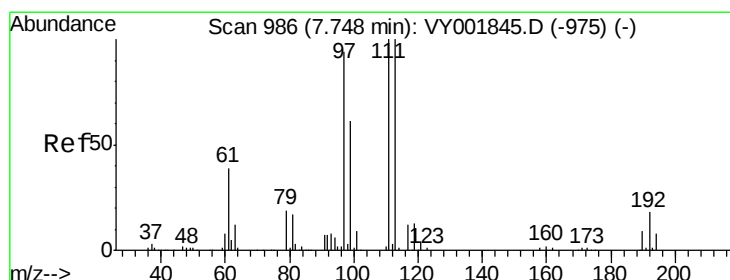
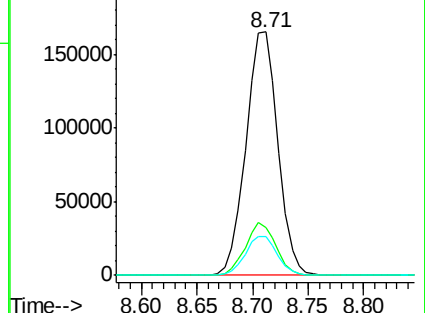
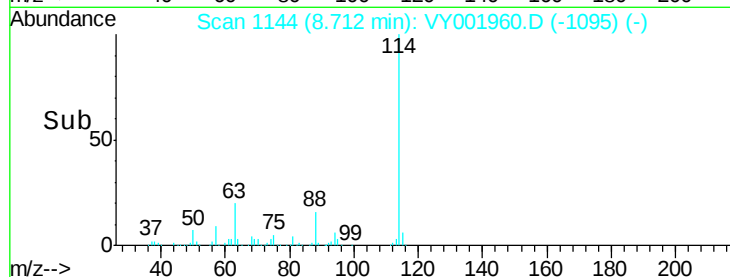
88 16.2 0.0 30.4



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



#35

Dibromofluoromethane

Concen: 54.68 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001960.D

Acq: 12 Mar 2020 17:34

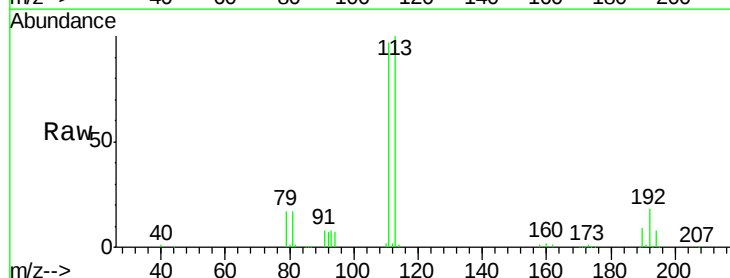
Tgt Ion:113 Resp: 98124

Ion Ratio Lower Upper

113 100

111 101.4 81.8 122.8

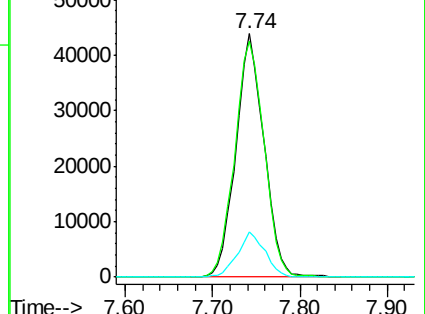
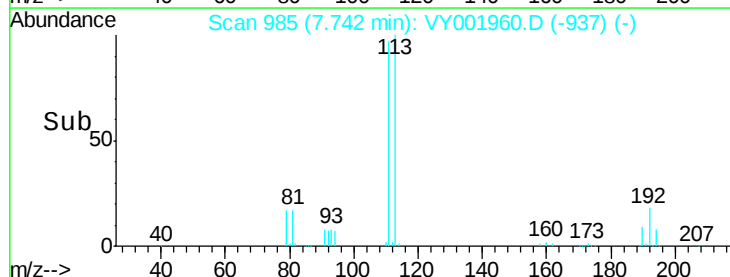
192 18.1 14.2 21.2

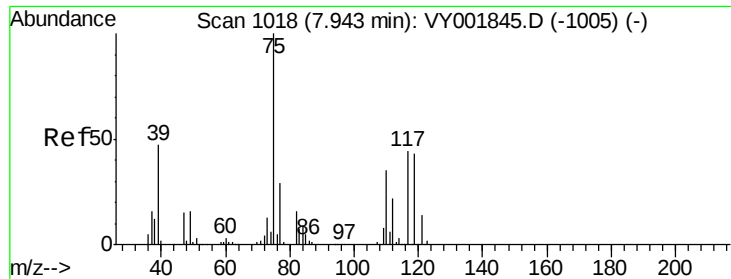


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

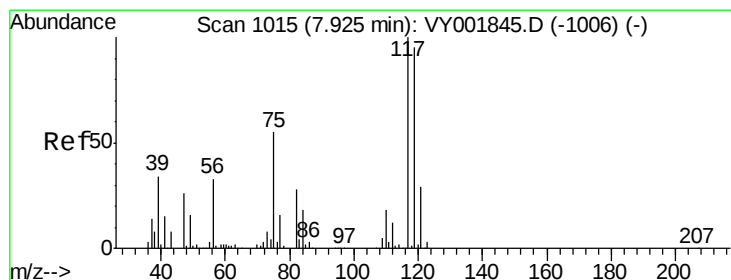
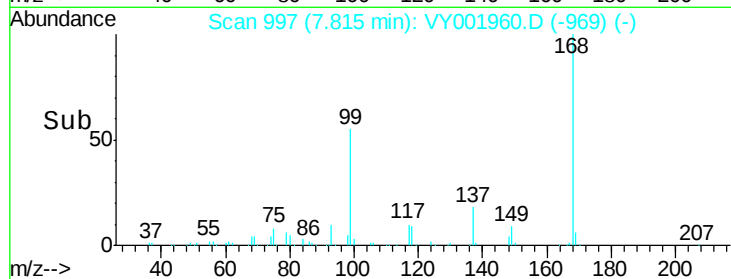
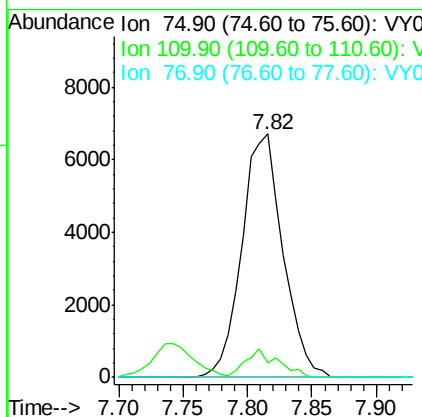
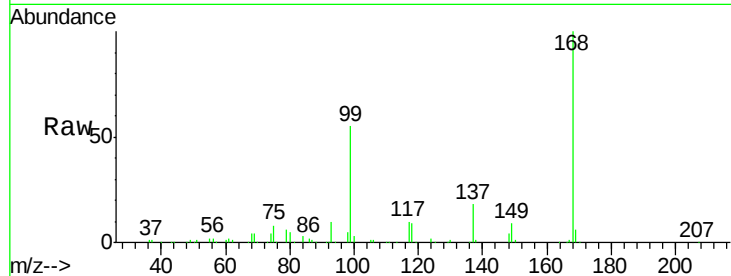




#36
 1,1-Dichloropropene
 Concen: 4.67 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001960.D
 Acq: 12 Mar 2020 17:34

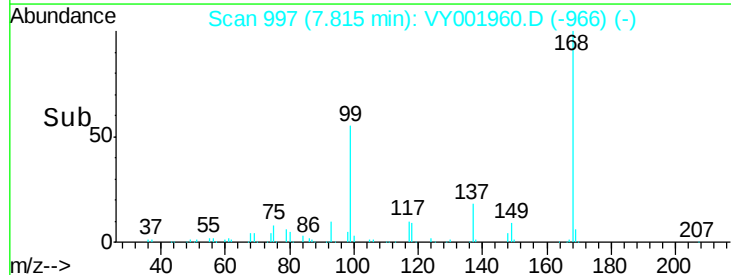
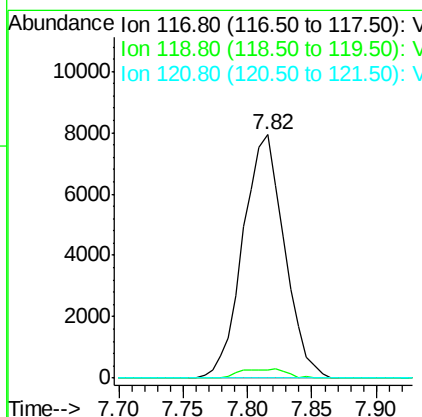
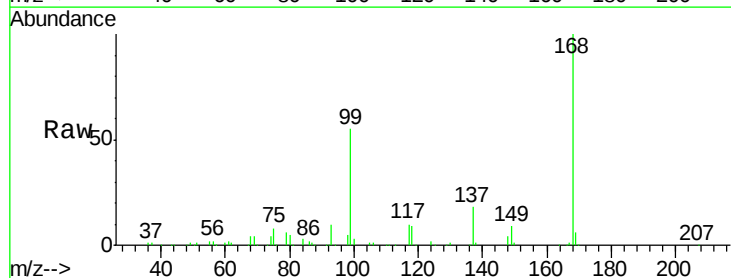
Instrument :
 MSVOA_Y
 ClientSampleId :
 MK-031220-0-1-GRAB-B1

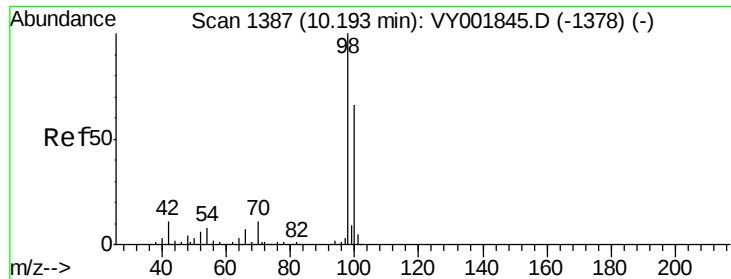
Tgt Ion: 75 Resp: 14780
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.4 52.2#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.54 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001960.D
 Acq: 12 Mar 2020 17:34

Tgt Ion: 117 Resp: 17679
 Ion Ratio Lower Upper
 117 100
 119 3.6 76.3 114.5#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 52.41 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001960.D

Acq: 12 Mar 2020 17:34

Instrument :

MSVOA_Y

ClientSampleId :

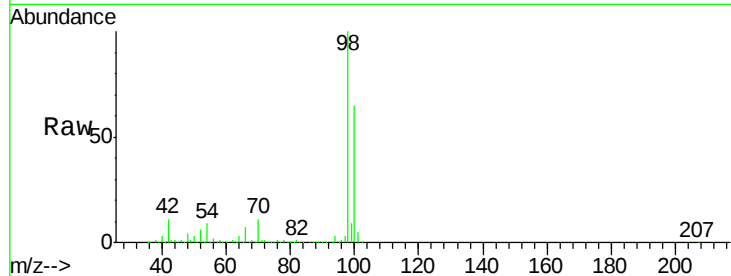
MK-031220-0-1-GRAB-B1

Tgt Ion: 98 Resp: 396578

Ion Ratio Lower Upper

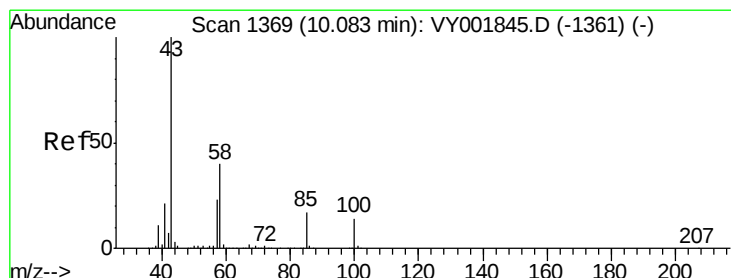
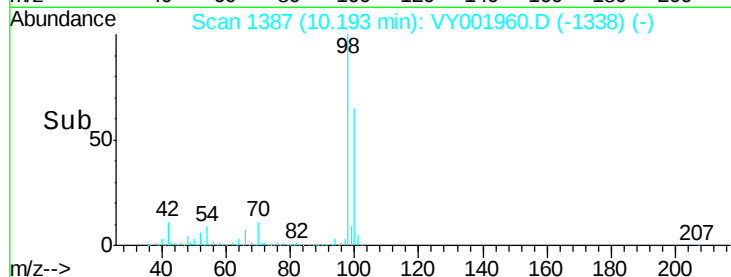
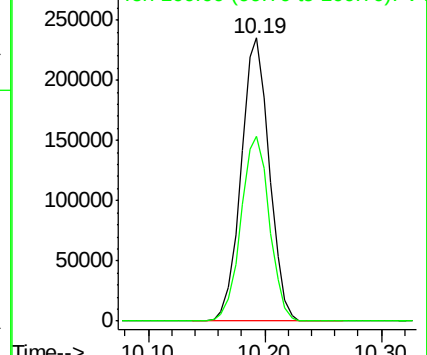
98 100

100 66.0 53.0 79.4



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: 1.00 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY001960.D

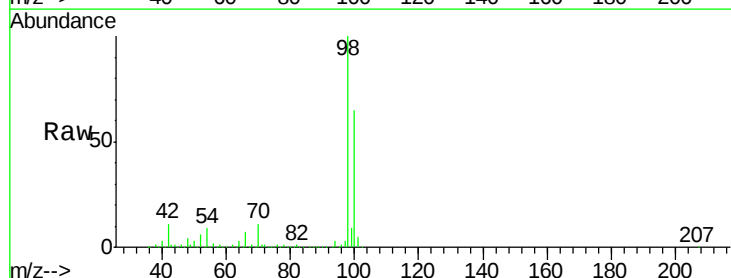
Acq: 12 Mar 2020 17:34

Tgt Ion: 43 Resp: 1801

Ion Ratio Lower Upper

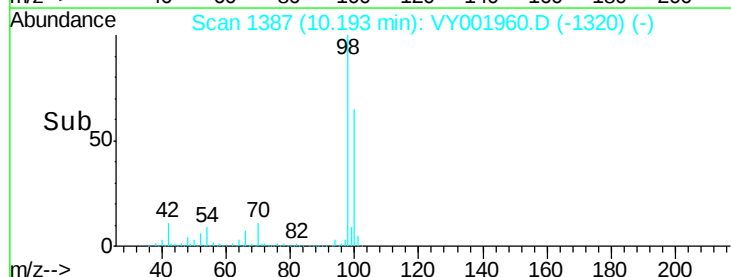
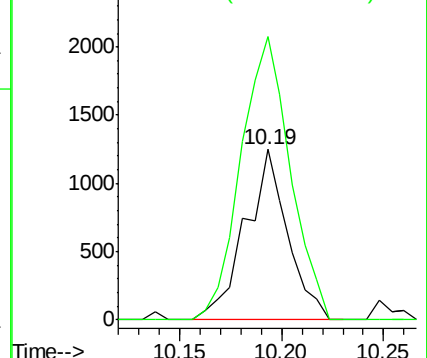
43 100

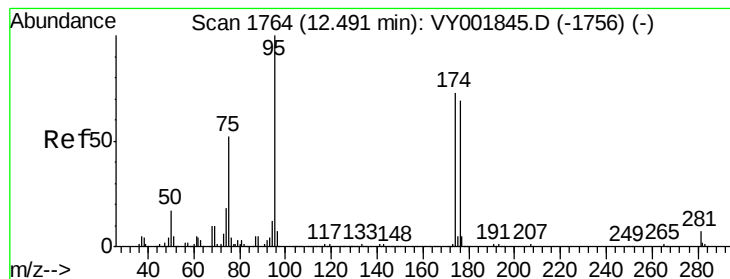
58 193.3 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#62

4-Bromofluorobenzene

Concen: 50.60 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001960.D

Acq: 12 Mar 2020 17:34

Instrument :

MSVOA_Y

ClientSampleId :

MK-031220-0-1-GRAB-B1

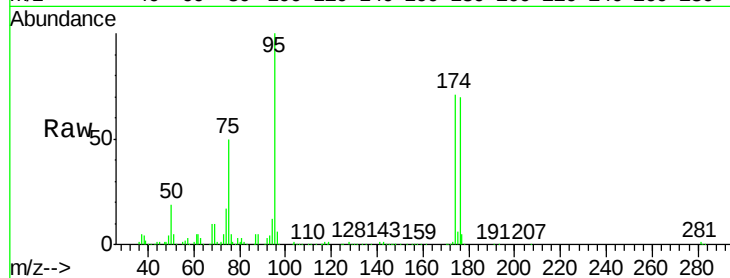
Tgt Ion: 95 Resp: 133134

Ion Ratio Lower Upper

95 100

174 71.2 0.0 145.0

176 70.7 0.0 137.4

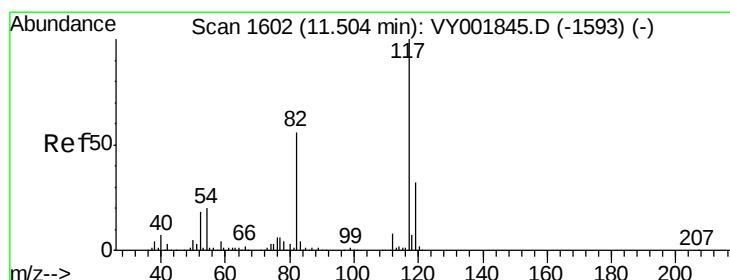
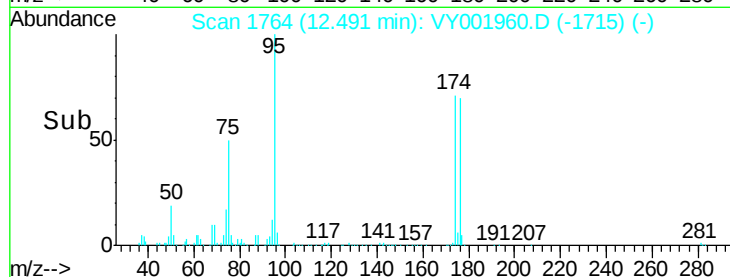


Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

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

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

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: VY001960.D

Acq: 12 Mar 2020 17:34

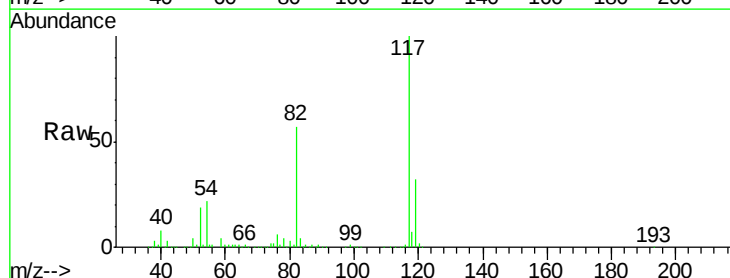
Tgt Ion: 117 Resp: 294881

Ion Ratio Lower Upper

117 100

82 57.4 44.5 66.7

119 32.3 25.7 38.5

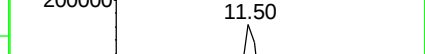
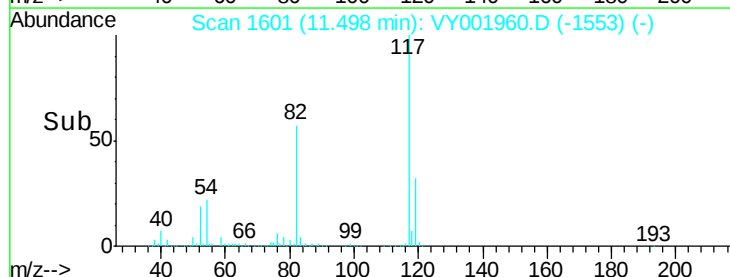


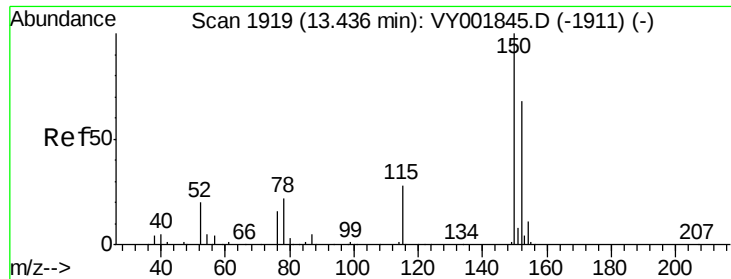
Abundance Ion 116.90 (116.60 to 117.60): VY001845.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY001845.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY001845.D (-1593) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001960.D

Acq: 12 Mar 2020 17:34

Instrument :

MSVOA_Y

ClientSampleId :

MK-031220-0-1-GRAB-B1

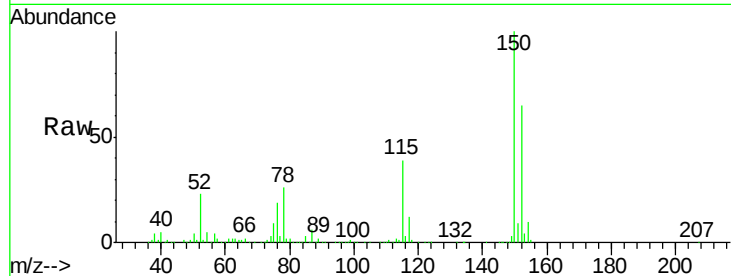
Tgt Ion:152 Resp: 118347

Ion Ratio Lower Upper

152 100

115 62.7 29.9 89.7

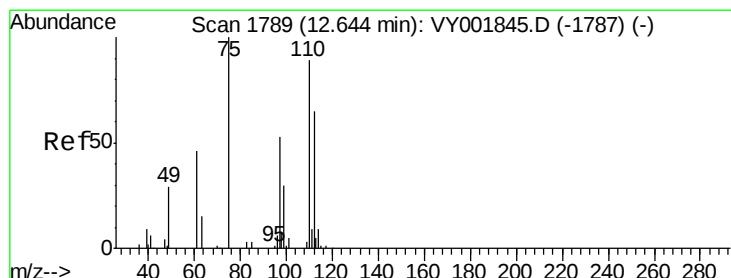
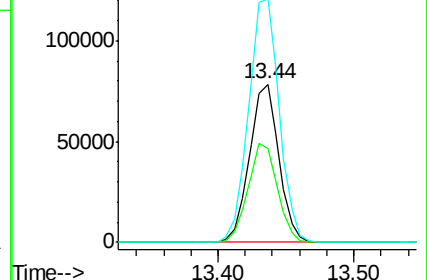
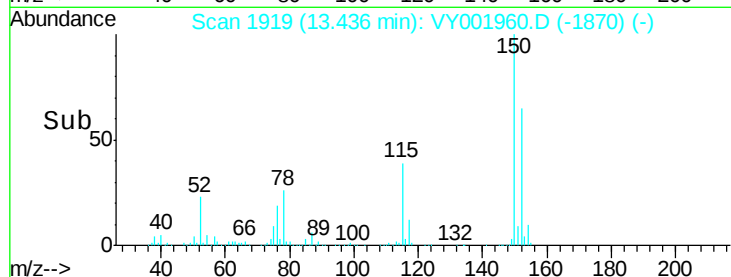
150 160.6 0.0 340.6



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: 48.03 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001960.D

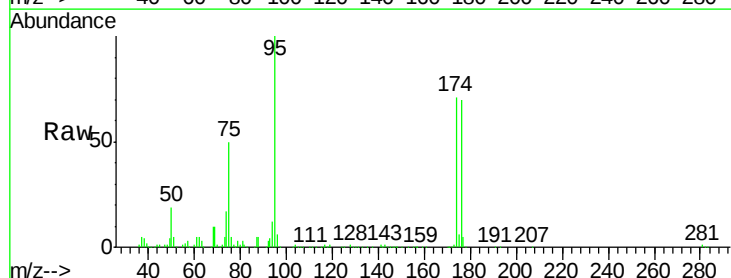
Acq: 12 Mar 2020 17:34

Tgt Ion: 75 Resp: 67448

Ion Ratio Lower Upper

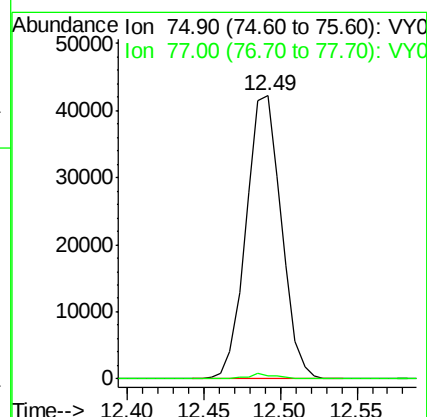
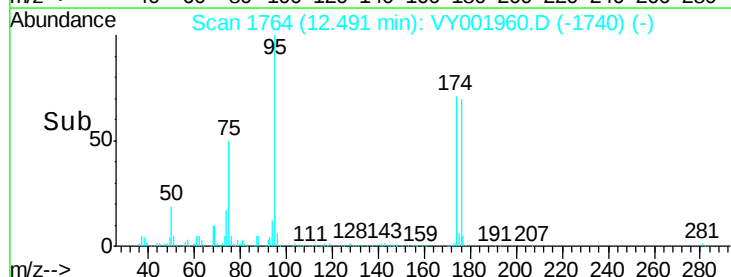
75 100

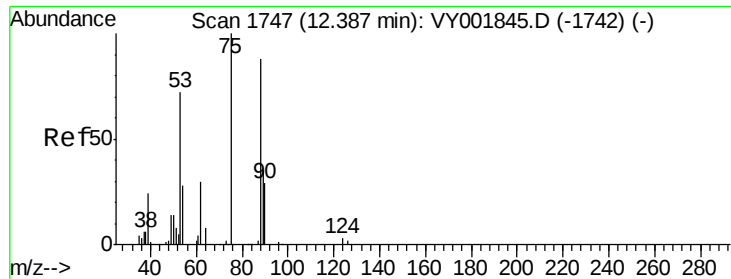
77 1.6 0.0 0.0#



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: 97.02 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001960.D

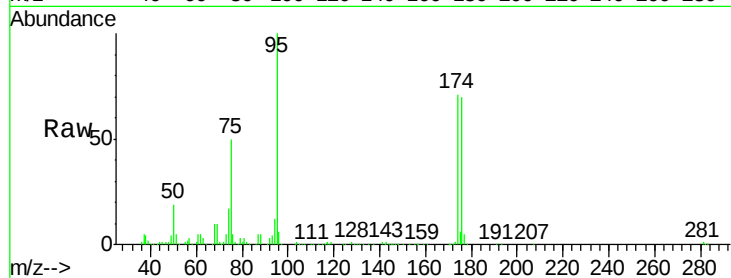
Acq: 12 Mar 2020 17:34

Instrument :

MSVOA_Y

ClientSampleId :

MK-031220-0-1-GRAB-B1



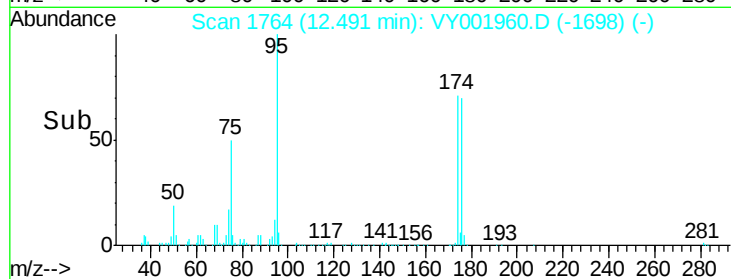
Tgt Ion: 75 Resp: 67448

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#



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

