

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY031220\
 Data File : VY001965.D
 Acq On : 12 Mar 2020 19:25
 Operator : SY/MD
 Sample : L1913-12
 Misc : 5.95G/5ML/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MK-031220-4-5-GRAB-B2

Quant Time: Mar 13 05:43:19 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	104614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	194809	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	170385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	73448	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	62184	55.68	ug/l	0.00
Spiked Amount			Recovery	=	111.36%	
35) Dibromofluoromethane	7.74	113	56361	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	
50) Toluene-d8	10.19	98	234010	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.49	95	77845	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	

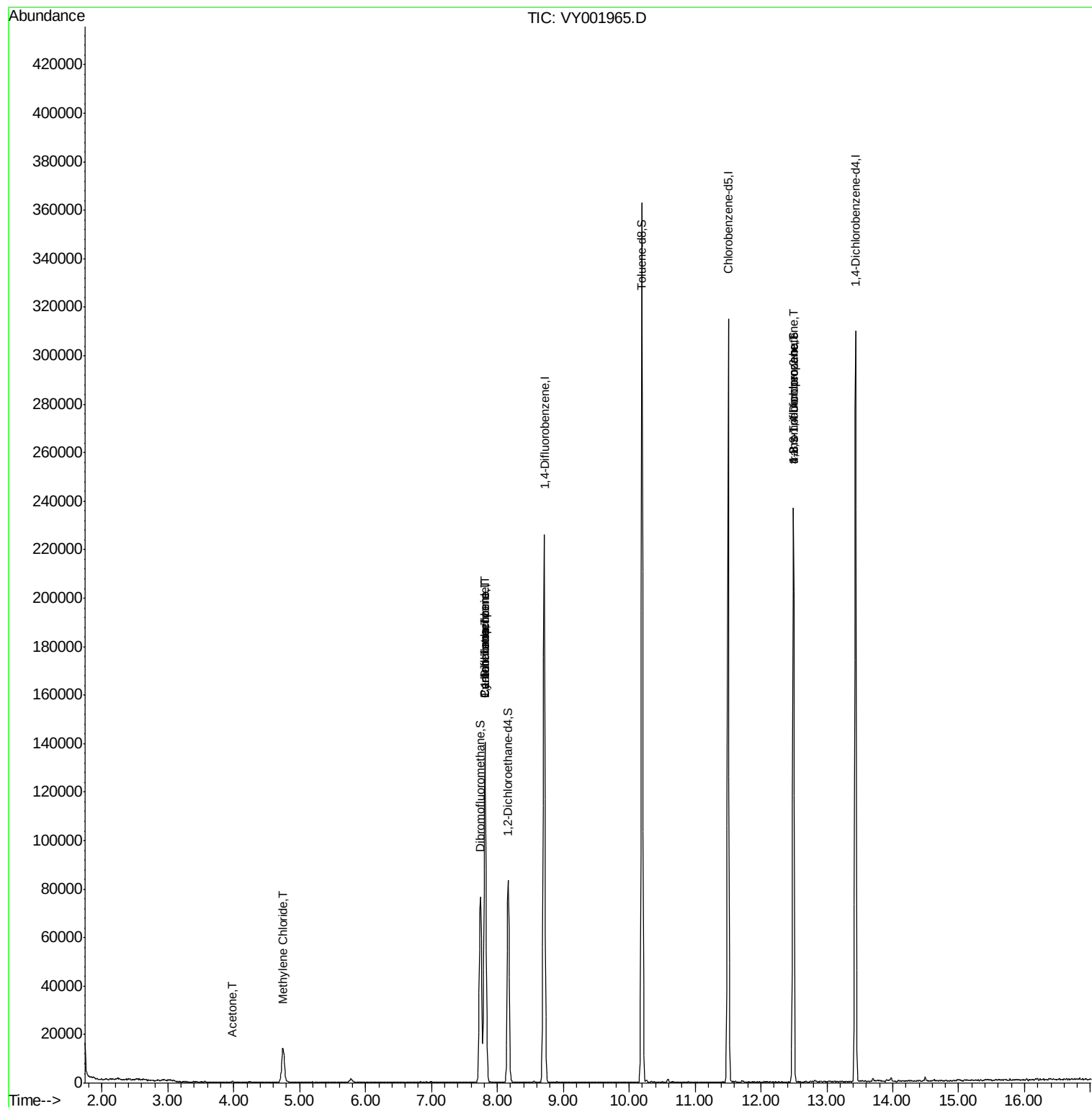
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.86	94	37	Below Cal	#	4
16) Acetone	3.97	43	746	2.29	ug/l #	80
20) Methylene Chloride	4.74	84	10564	7.58	ug/l	91
31) Cyclohexane	7.82	56	2512	1.02	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	8907	4.75	ug/l #	50
38) Carbon Tetrachloride	7.82	117	10997	6.87	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.69	63	19	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.49	75	39924	45.81	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	39924	92.53	ug/l #	17

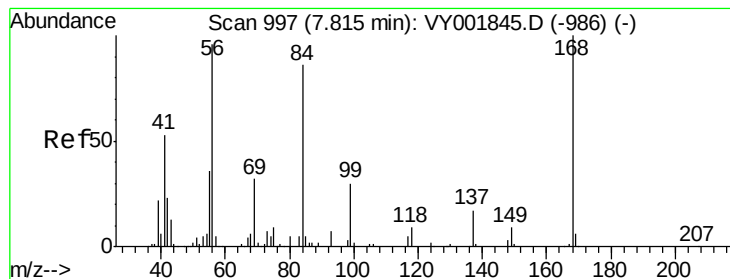
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001965.D

Acq: 12 Mar 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

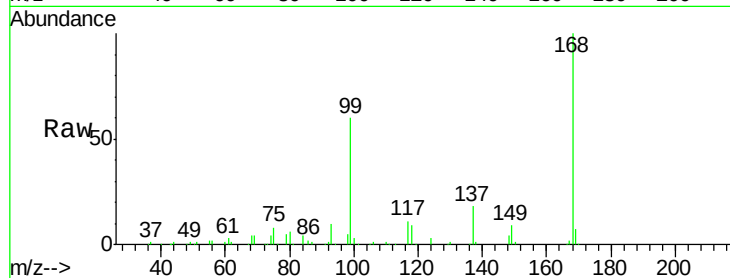
MK-031220-4-5-GRAB-B2

Tgt Ion:168 Resp: 104614

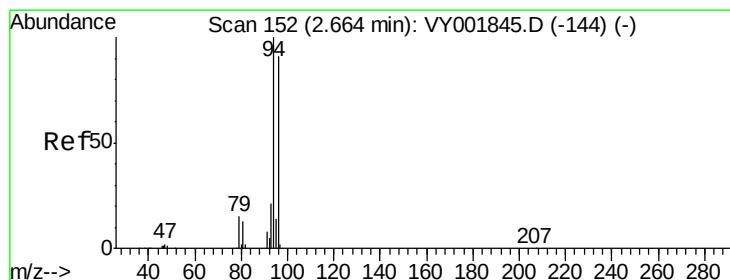
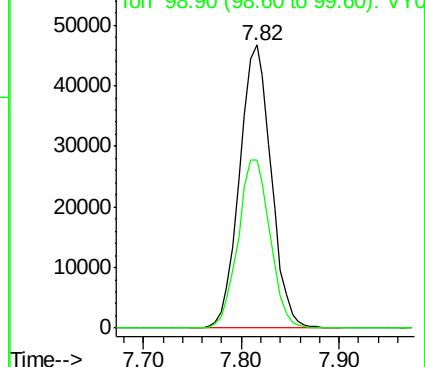
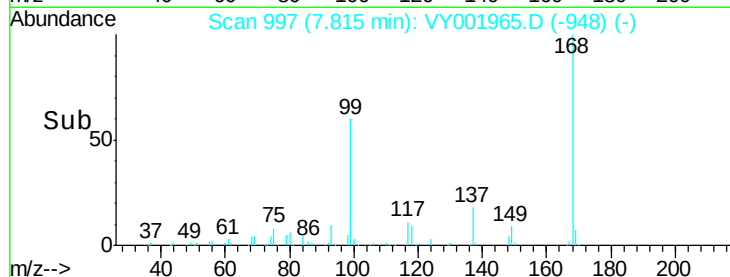
Ion Ratio Lower Upper

168 100

99 59.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001965.D (-948) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.86 min Scan# 184

Delta R.T. 0.20 min

Lab File: VY001965.D

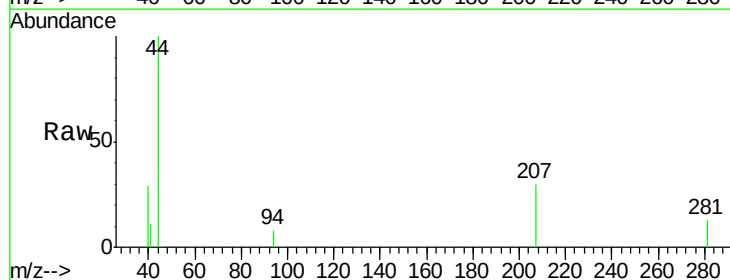
Acq: 12 Mar 2020 19:25

Tgt Ion: 94 Resp: 37

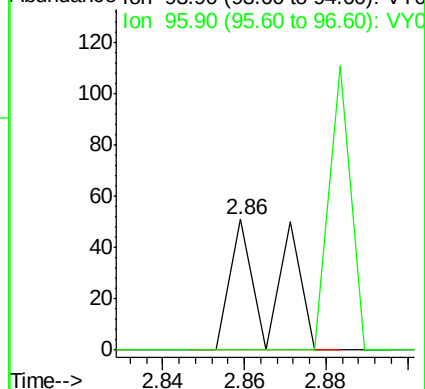
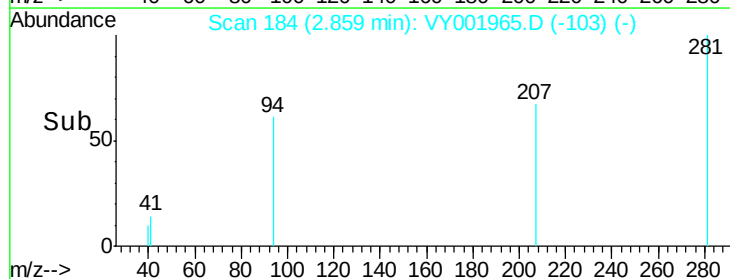
Ion Ratio Lower Upper

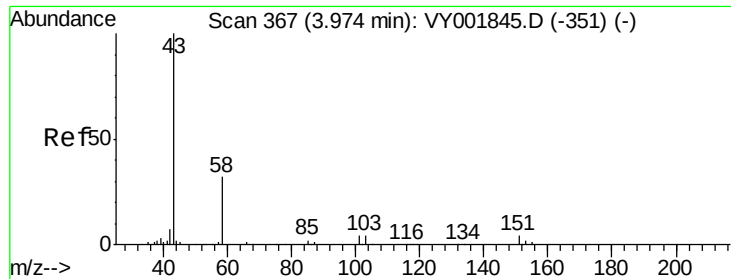
94 100

96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001965.D (-103) (-)





#16

Acetone

Concen: 2.29 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY001965.D

Acq: 12 Mar 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

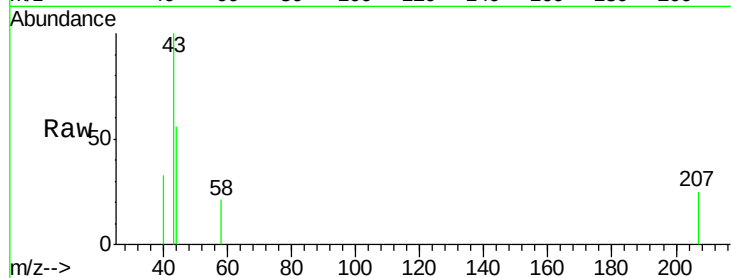
MK-031220-4-5-GRAB-B2

Tgt Ion: 43 Resp: 746

Ion Ratio Lower Upper

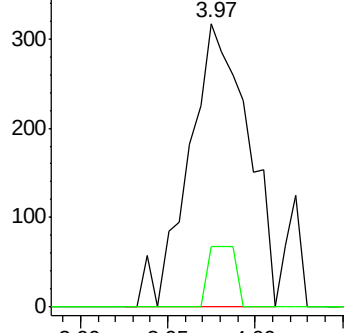
43 100

58 21.5 25.9 38.9#

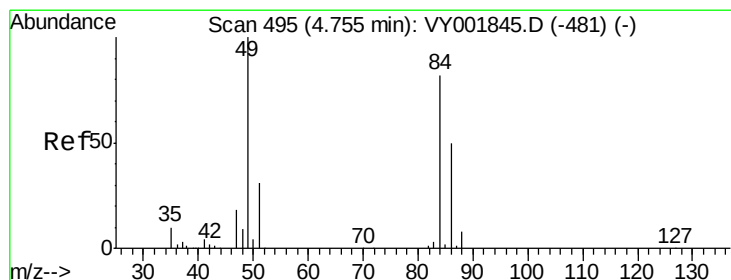
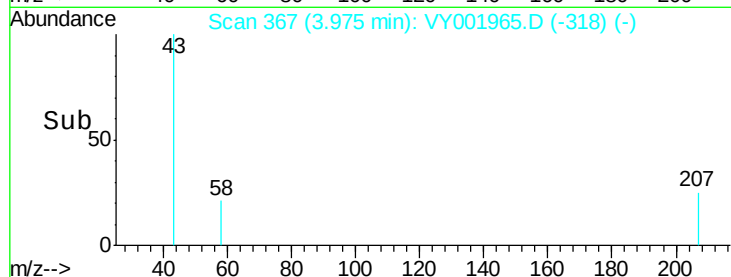


Abundance Ion 43.00 (42.70 to 43.70): VY001965.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001965.D (-351) (-)



Time-->



#20

Methylene Chloride

Concen: 7.58 ug/l

RT: 4.74 min Scan# 493

Delta R.T. -0.01 min

Lab File: VY001965.D

Acq: 12 Mar 2020 19:25

Tgt Ion: 84 Resp: 10564

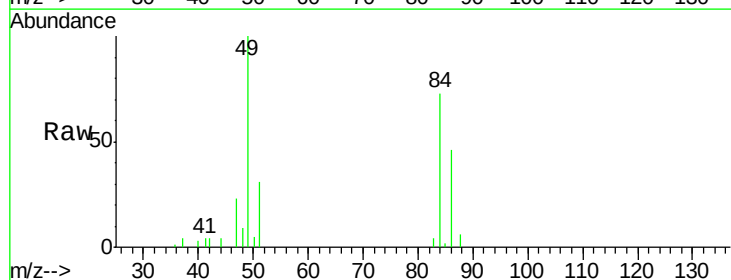
Ion Ratio Lower Upper

84 100

49 136.8 98.2 147.2

51 42.2 30.2 45.2

86 63.6 48.9 73.3

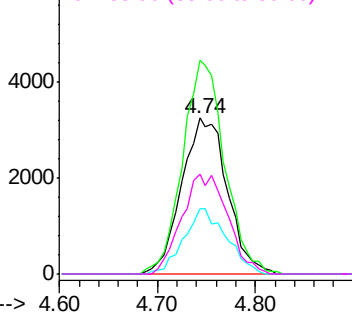


Abundance Ion 83.90 (83.60 to 84.60): VY001965.D (-446) (-)

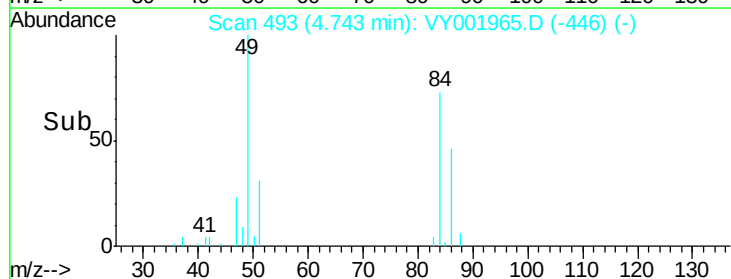
Ion 48.90 (48.60 to 49.60): VY001965.D (-446) (-)

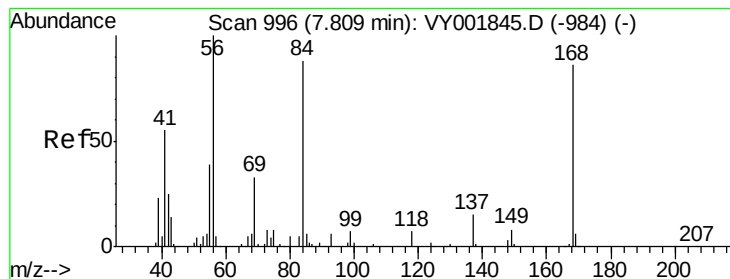
Ion 50.90 (50.60 to 51.60): VY001965.D (-446) (-)

Ion 85.90 (85.60 to 86.60): VY001965.D (-446) (-)



Time-->





#31

Cyclohexane

Concen: 1.02 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001965.D

Acq: 12 Mar 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

MK-031220-4-5-GRAB-B2

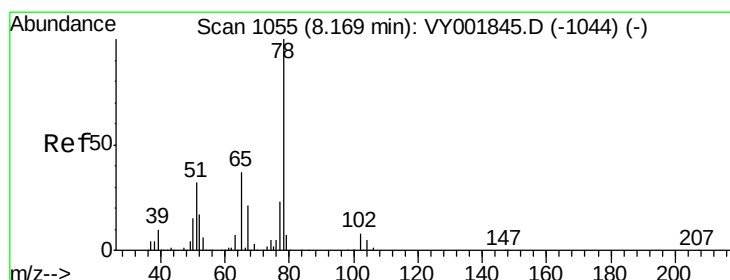
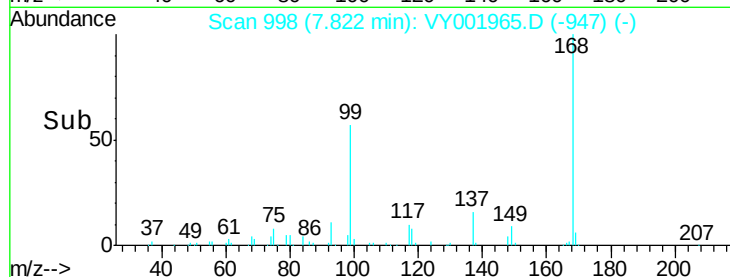
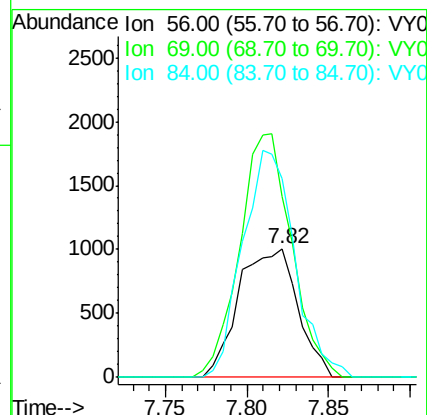
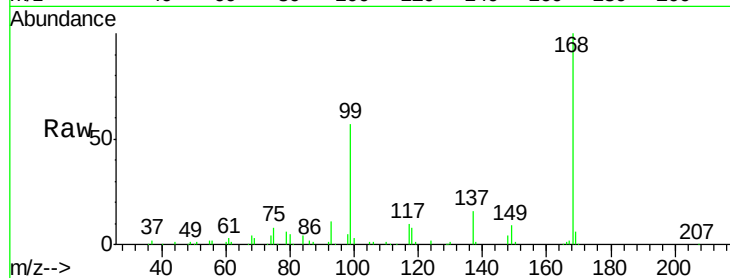
Tgt Ion: 56 Resp: 2512

Ion Ratio Lower Upper

56 100

69 140.6 26.7 40.1#

84 154.8 70.4 105.6#



#33

1,2-Dichloroethane-d4

Concen: 55.68 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001965.D

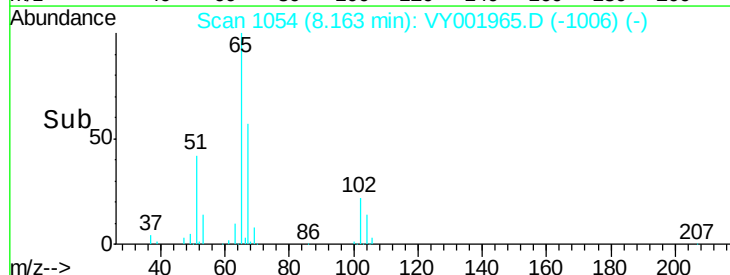
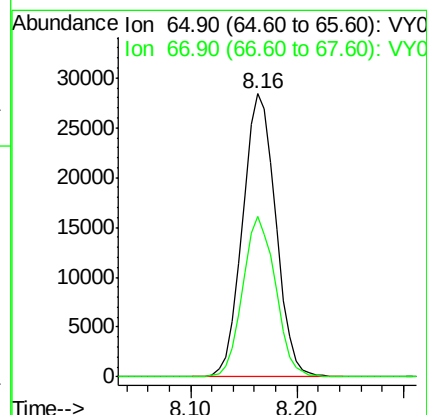
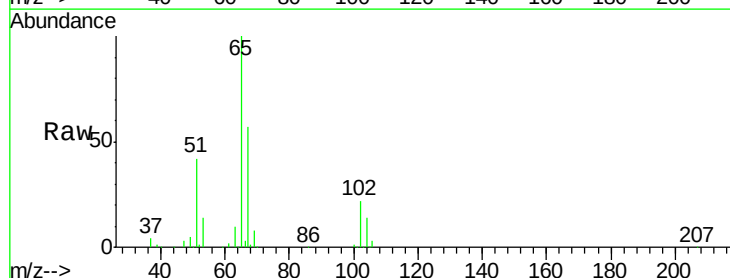
Acq: 12 Mar 2020 19:25

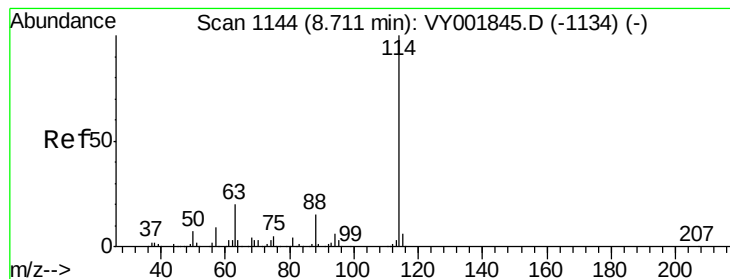
Tgt Ion: 65 Resp: 62184

Ion Ratio Lower Upper

65 100

67 56.0 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: VY001965.D

Acq: 12 Mar 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

MK-031220-4-5-GRAB-B2

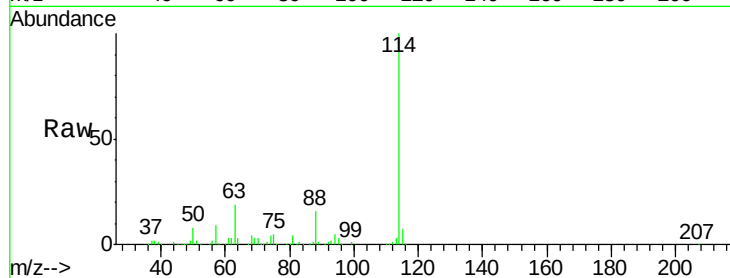
Tgt Ion:114 Resp: 194809

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.4

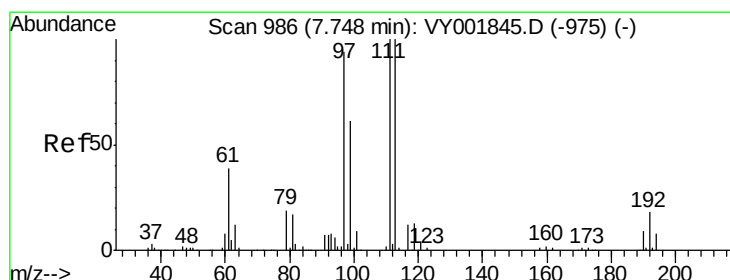
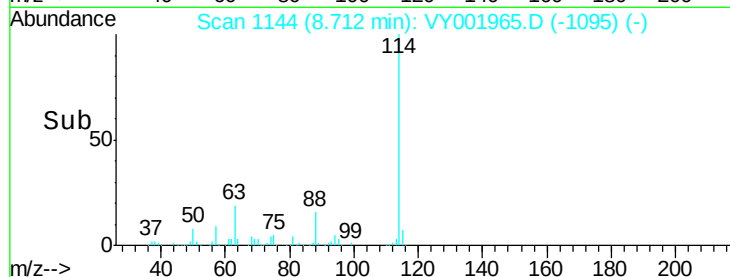
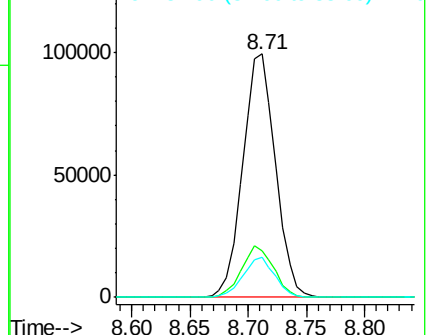
88 16.4 0.0 30.4



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: 52.98 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001965.D

Acq: 12 Mar 2020 19:25

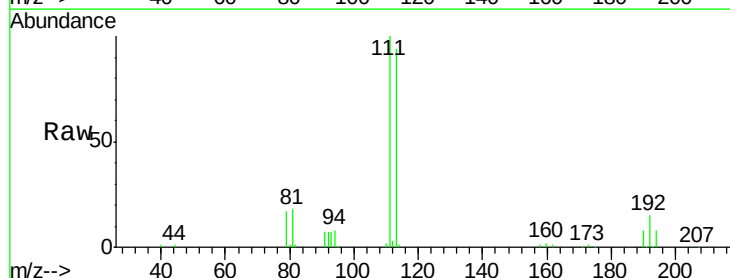
Tgt Ion:113 Resp: 56361

Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.8

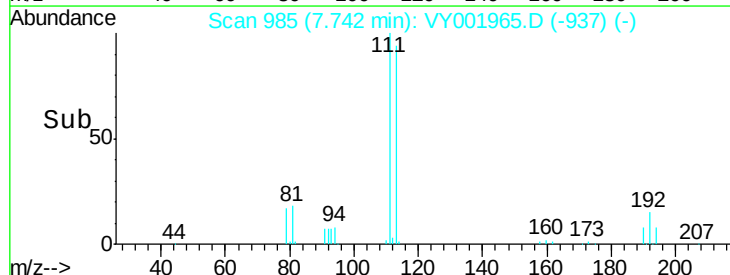
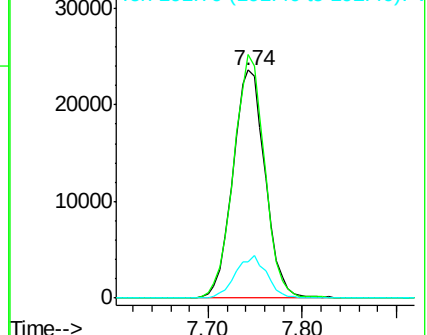
192 18.1 14.2 21.2

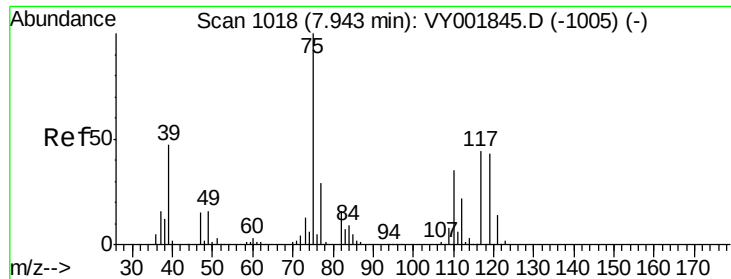


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

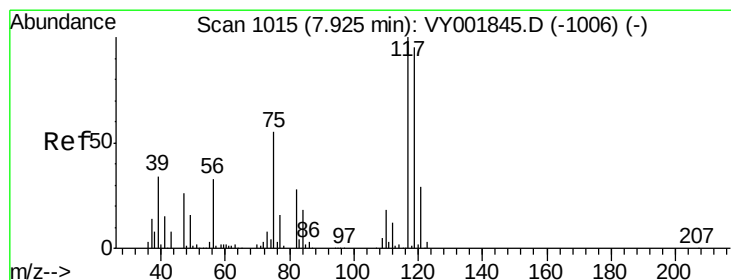
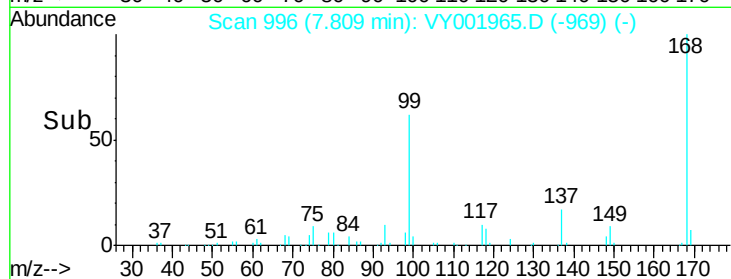
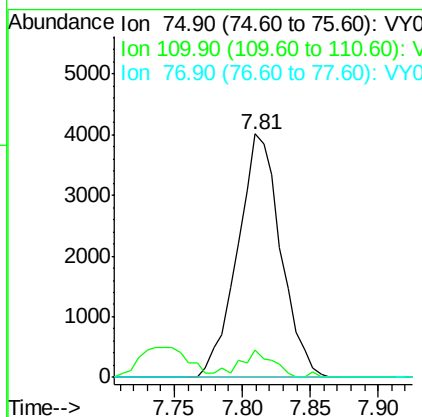
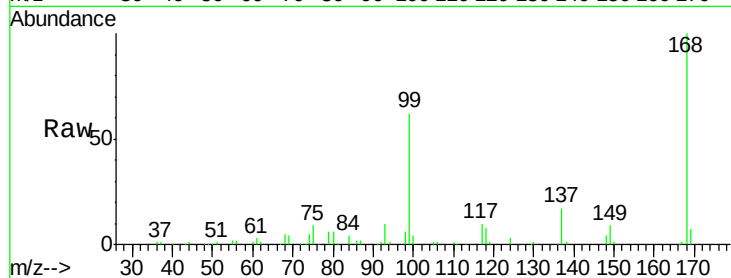




#36
 1,1-Dichloropropene
 Concen: 4.75 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001965.D
 Acq: 12 Mar 2020 19:25

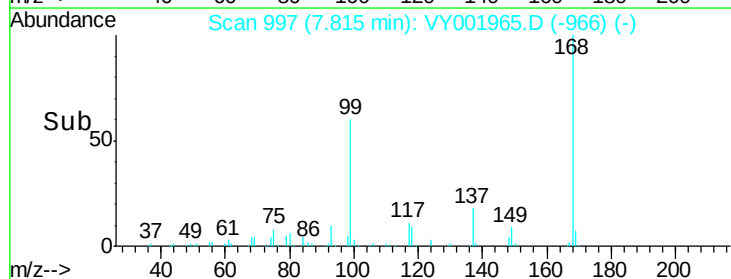
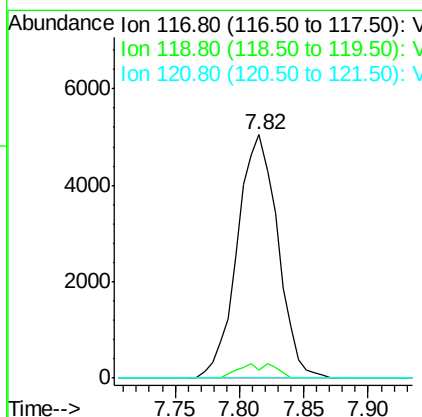
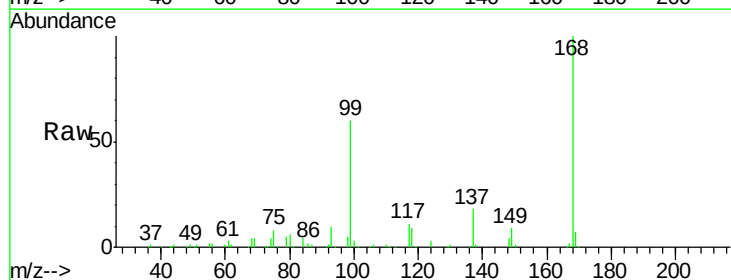
Instrument :
 MSVOA_Y
 ClientSampleId :
 MK-031220-4-5-GRAB-B2

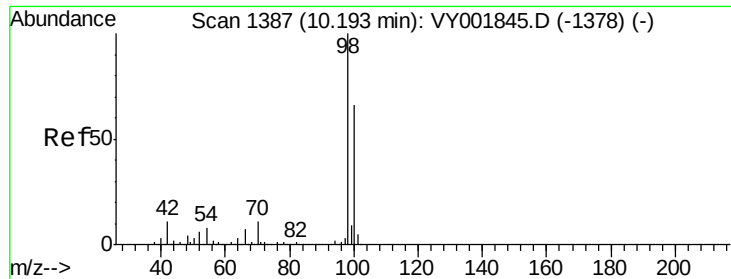
Tgt Ion: 75 Resp: 8907
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.4 52.2#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.87 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001965.D
 Acq: 12 Mar 2020 19:25

Tgt Ion: 117 Resp: 10997
 Ion Ratio Lower Upper
 117 100
 119 3.1 76.3 114.5#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 52.17 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001965.D

Acq: 12 Mar 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

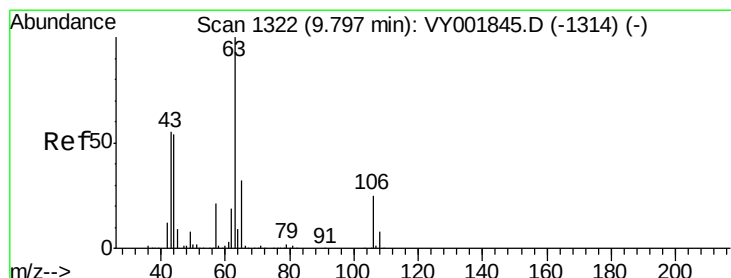
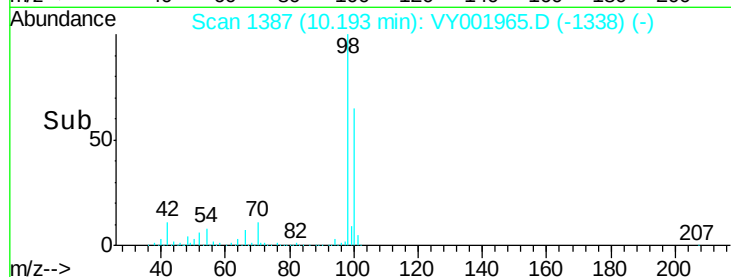
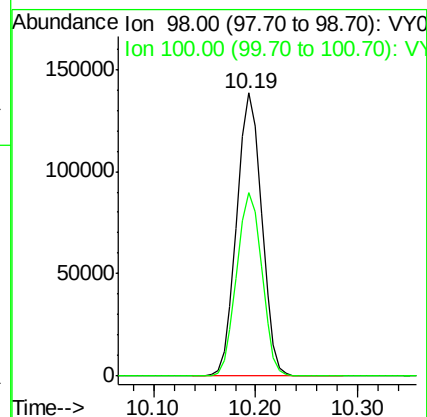
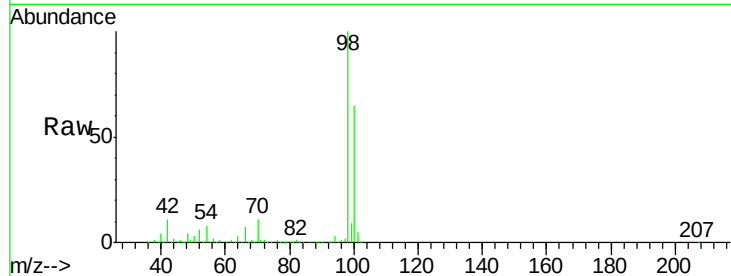
MK-031220-4-5-GRAB-B2

Tgt Ion: 98 Resp: 234010

Ion Ratio Lower Upper

98 100

100 65.5 53.0 79.4



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 9.69 min Scan# 1305

Delta R.T. -0.10 min

Lab File: VY001965.D

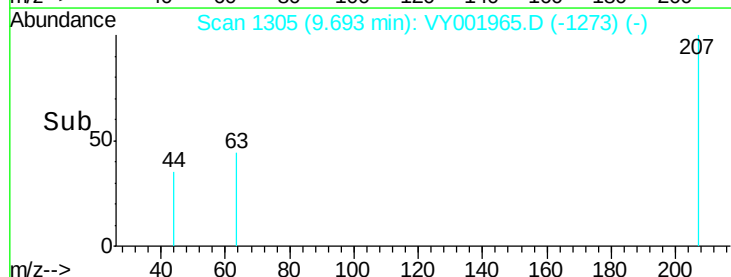
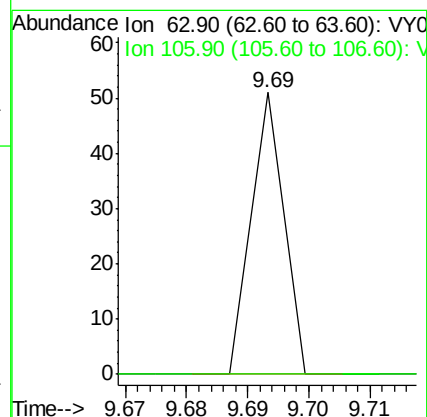
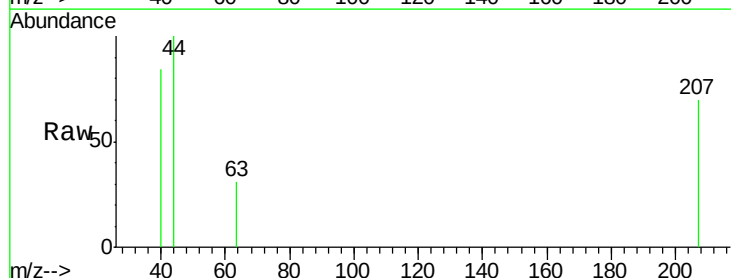
Acq: 12 Mar 2020 19:25

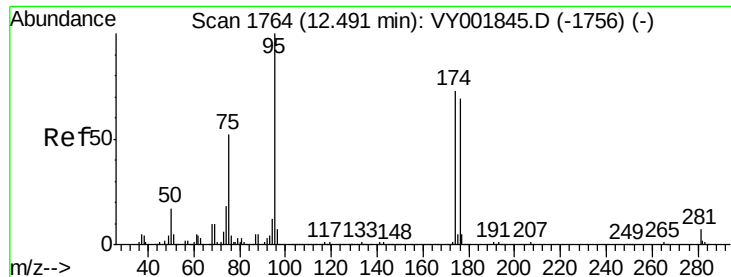
Tgt Ion: 63 Resp: 19

Ion Ratio Lower Upper

63 100

106 0.0 21.3 31.9#





#62

4-Bromofluorobenzene

Concen: 49.91 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001965.D

Acq: 12 Mar 2020 19:25

Instrument :

MSVOA_Y

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MK-031220-4-5-GRAB-B2

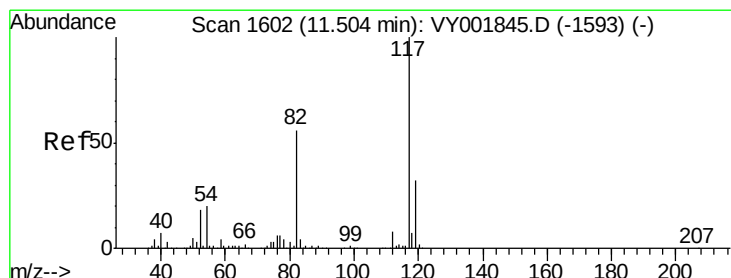
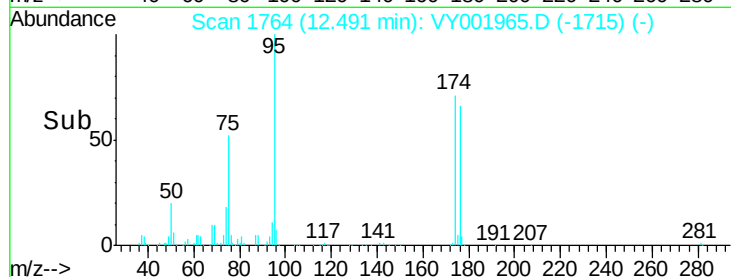
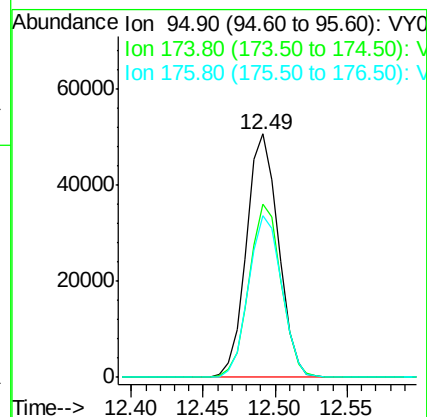
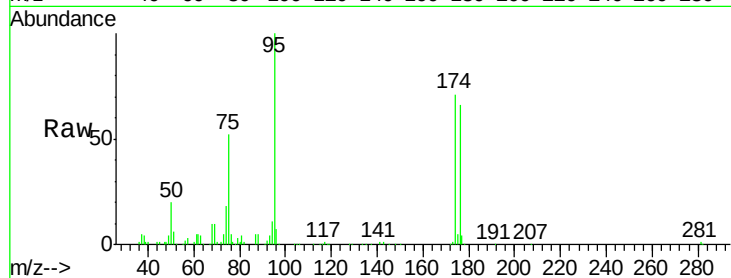
Tgt Ion: 95 Resp: 77845

Ion Ratio Lower Upper

95 100

174 71.2 0.0 145.0

176 68.4 0.0 137.4



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY001965.D

Acq: 12 Mar 2020 19:25

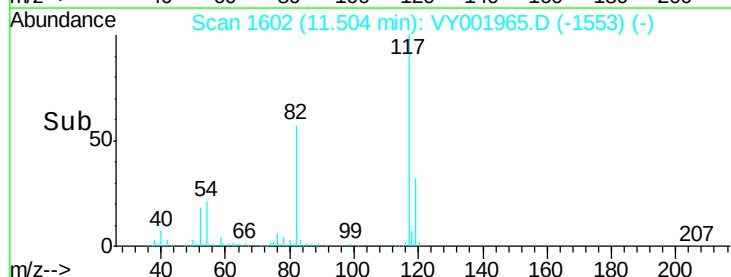
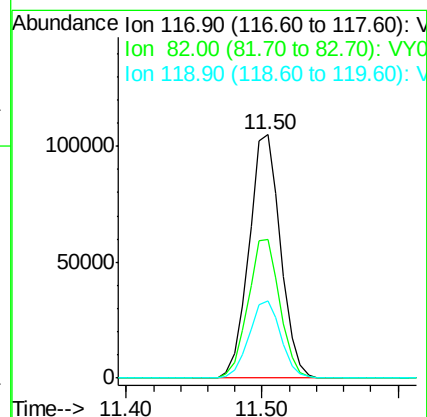
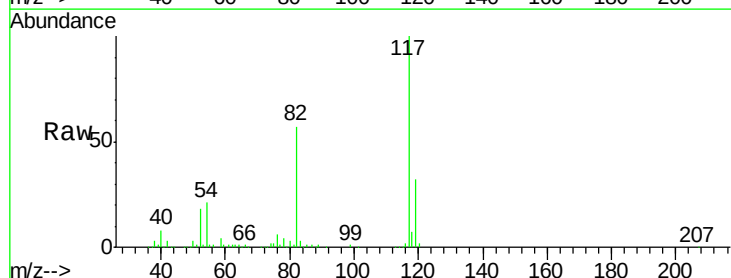
Tgt Ion: 117 Resp: 170385

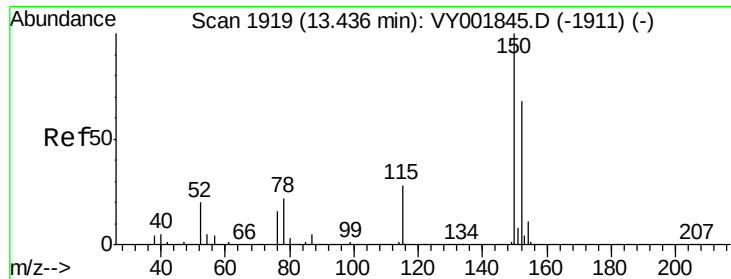
Ion Ratio Lower Upper

117 100

82 56.9 44.5 66.7

119 31.7 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001965.D

Acq: 12 Mar 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

MK-031220-4-5-GRAB-B2

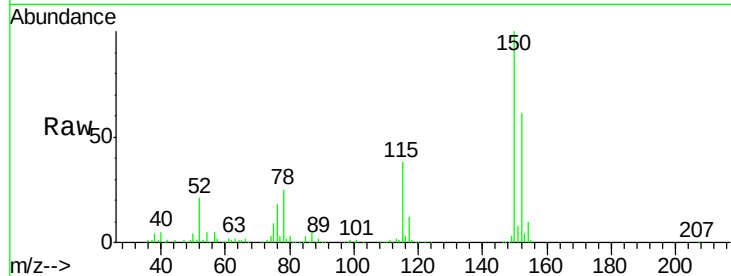
Tgt Ion: 152 Resp: 73448

Ion Ratio Lower Upper

152 100

115 60.9 29.9 89.7

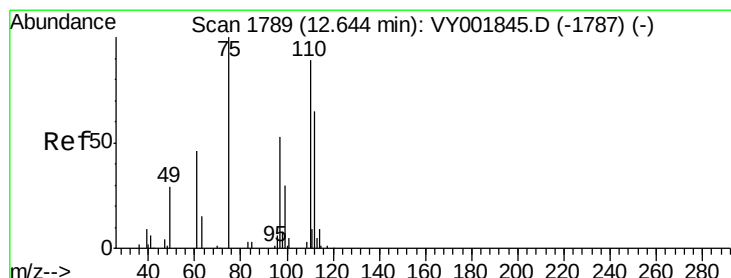
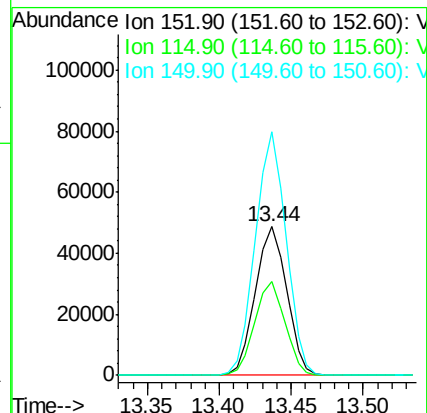
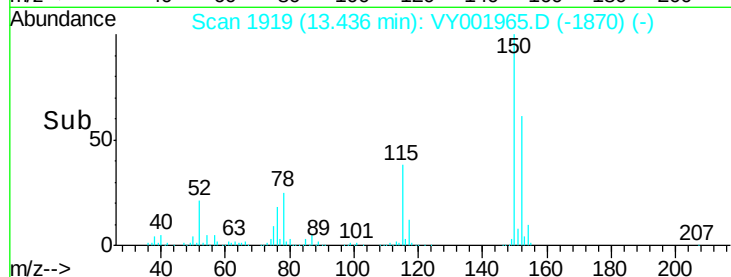
150 160.6 0.0 340.6



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: 45.81 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001965.D

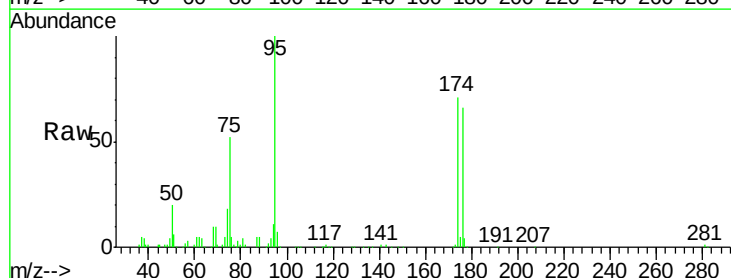
Acq: 12 Mar 2020 19:25

Tgt Ion: 75 Resp: 39924

Ion Ratio Lower Upper

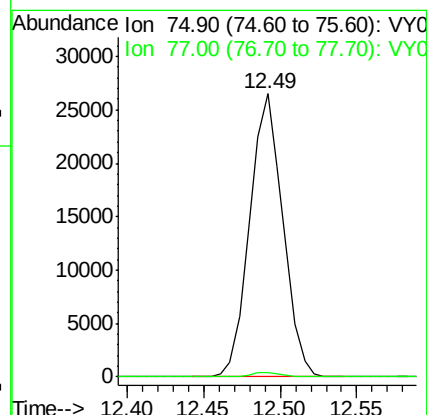
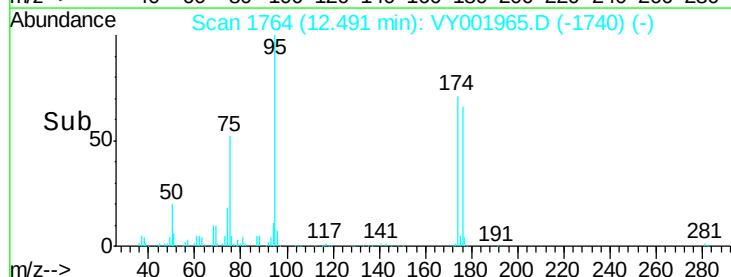
75 100

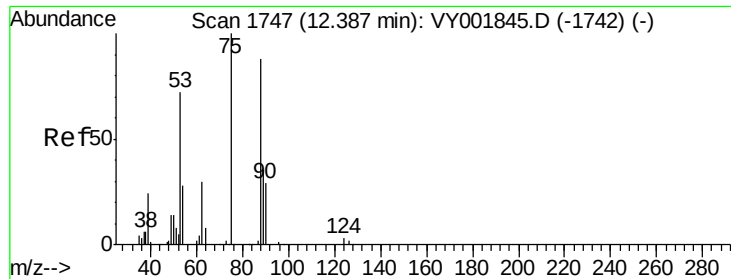
77 1.4 0.0 0.0#



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: 92.53 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001965.D

Acq: 12 Mar 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

MK-031220-4-5-GRAB-B2

Tgt Ion: 75 Resp: 39924

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#

