

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY031220\
 Data File : VY001961.D
 Acq On : 12 Mar 2020 17:56
 Operator : SY/MD
 Sample : L1913-04
 Misc : 7.01G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MK-031220-4-5-GRAB-B1

Quant Time: Mar 13 05:42:34 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	124958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	234022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	205335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	88059	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	74350	55.73	ug/l	0.00
Spiked Amount			Recovery	=	111.46%	
35) Dibromofluoromethane	7.74	113	67445	52.78	ug/l	0.00
Spiked Amount			Recovery	=	105.56%	
50) Toluene-d8	10.19	98	282185	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
62) 4-Bromofluorobenzene	12.49	95	93717	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	

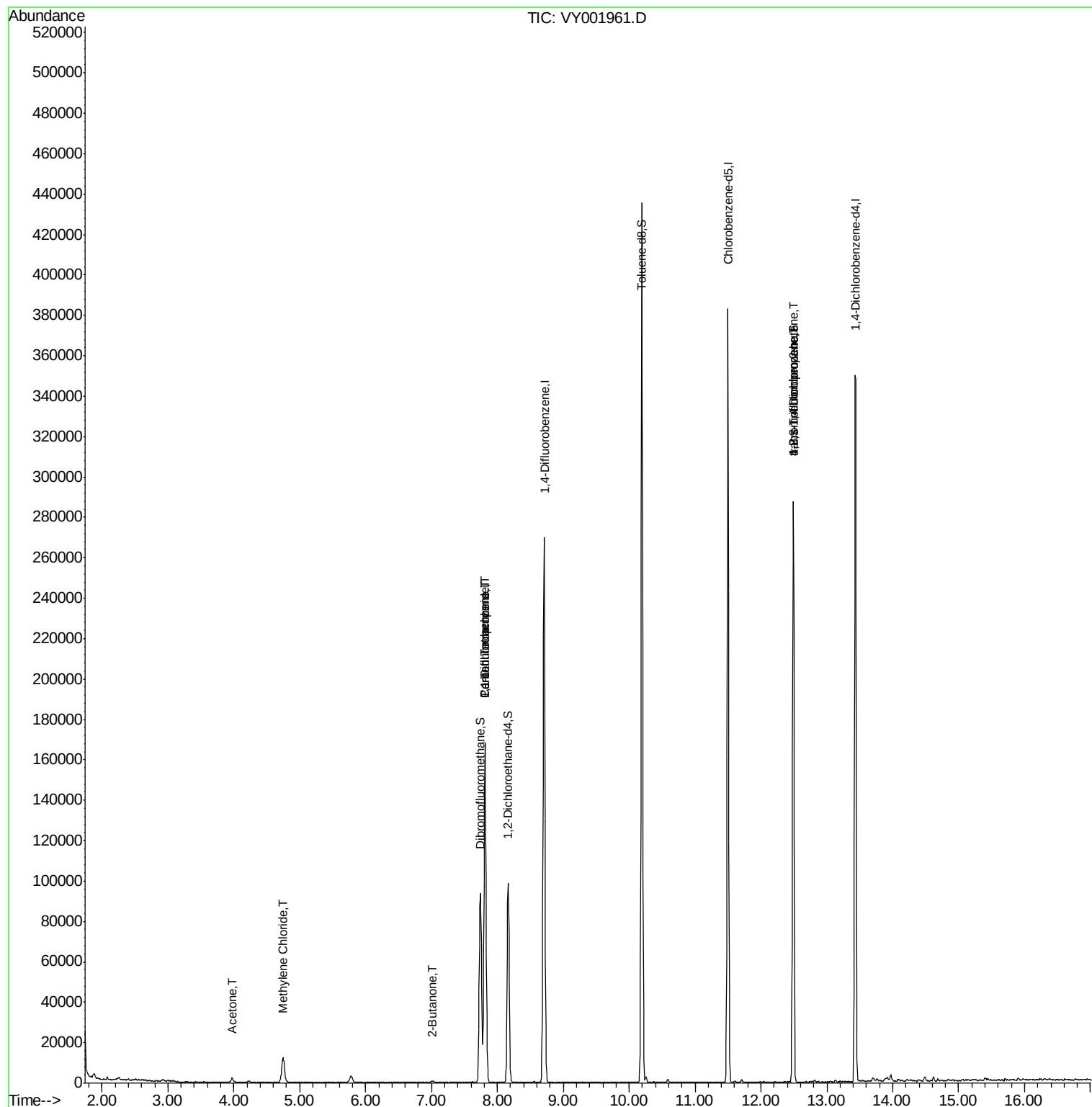
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	25	Below Cal	#	74
16) Acetone	3.97	43	3615	9.30	ug/l	93
20) Methylene Chloride	4.75	84	9472	5.69	ug/l	96
25) 2-Butanone	7.02	43	721	1.22	ug/l	# 49
36) 1,1-Dichloropropene	7.82	75	10582	4.70	ug/l	# 51
38) Carbon Tetrachloride	7.81	117	12684	6.59	ug/l	# 15
76) 1,2,3-Trichloropropane	12.49	75	47401	45.37	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.49	75	47401	91.64	ug/l	# 17

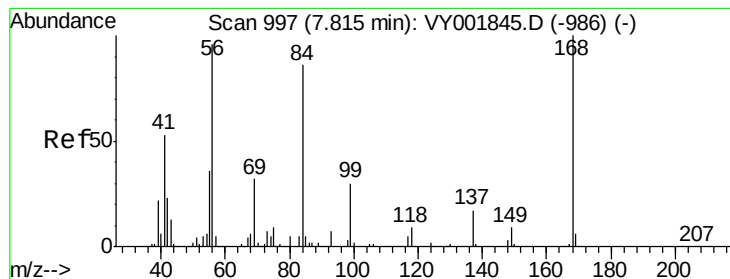
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001961.D

Acq: 12 Mar 2020 17:56

Instrument :

MSVOA_Y

ClientSampleId :

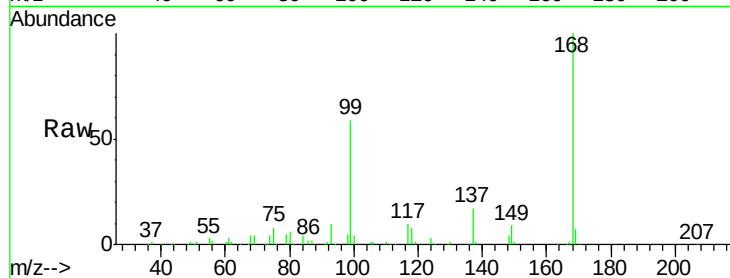
MK-031220-4-5-GRAB-B1

Tgt Ion:168 Resp: 124958

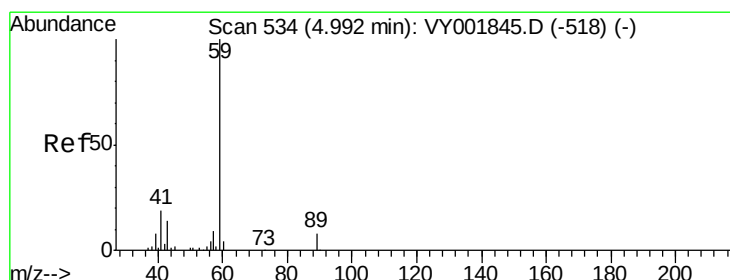
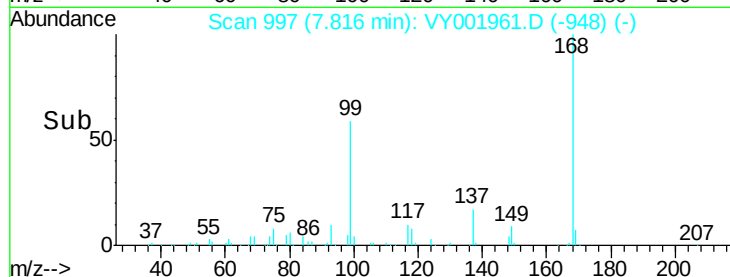
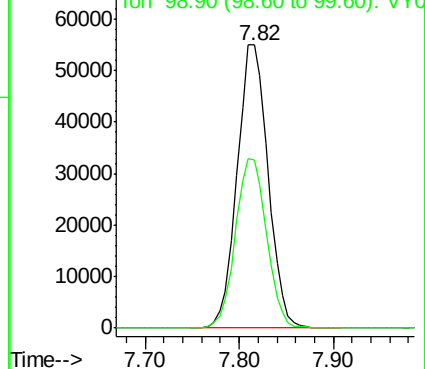
Ion Ratio Lower Upper

168 100

99 59.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001961.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001961.D

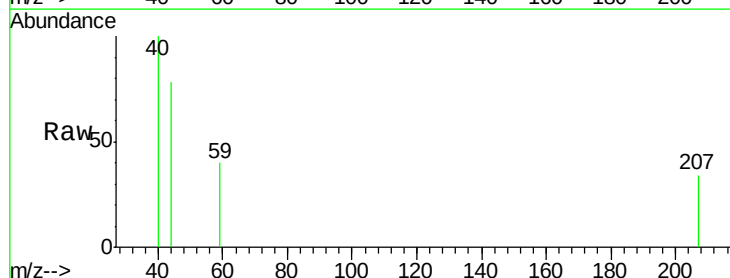
Acq: 12 Mar 2020 17:56

Tgt Ion: 59 Resp: 25

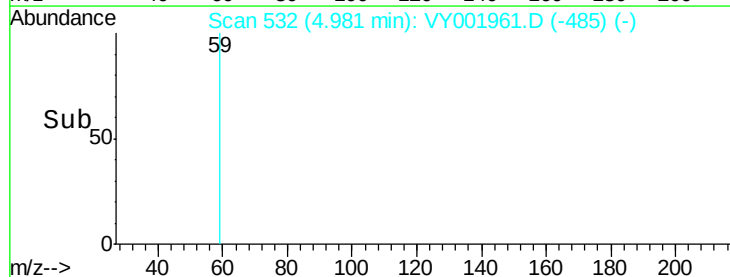
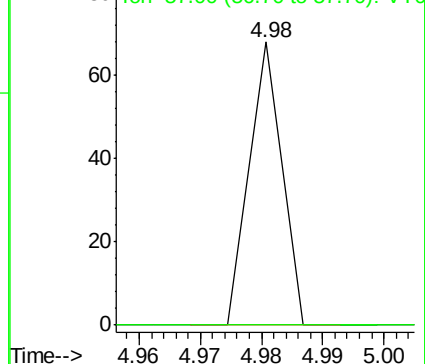
Ion Ratio Lower Upper

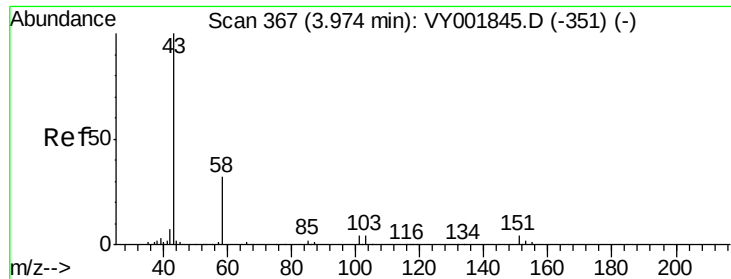
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001961.D (-485) (-)





#16

Acetone

Concen: 9.30 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY001961.D

Acq: 12 Mar 2020 17:56

Instrument :

MSVOA_Y

ClientSampleId :

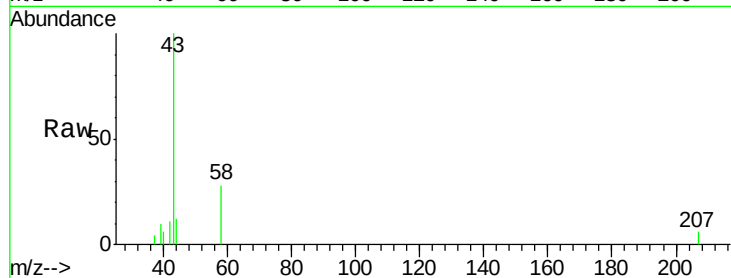
MK-031220-4-5-GRAB-B1

Tgt Ion: 43 Resp: 3615

Ion Ratio Lower Upper

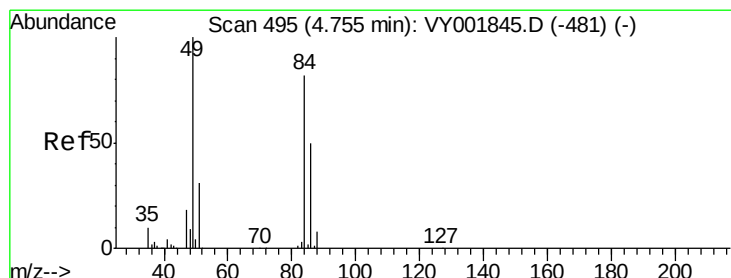
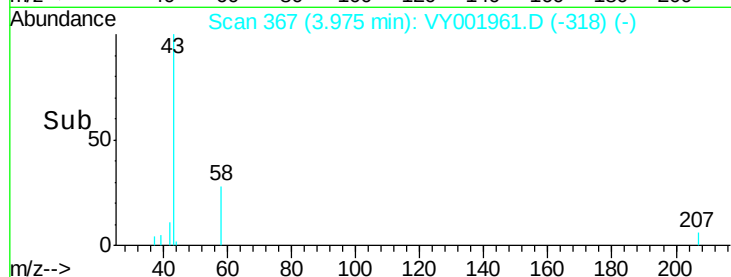
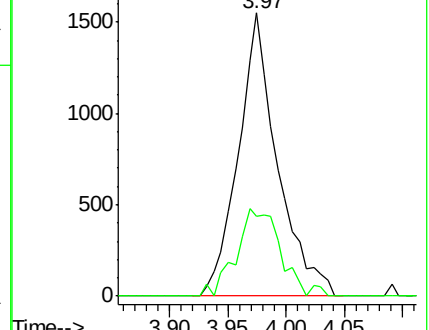
43 100

58 28.4 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY001961.D (-367) (-)

Ion 58.00 (57.70 to 58.70): VY001961.D (-367) (-)



#20

Methylene Chloride

Concen: 5.69 ug/l

RT: 4.75 min Scan# 494

Delta R.T. -0.01 min

Lab File: VY001961.D

Acq: 12 Mar 2020 17:56

Tgt Ion: 84 Resp: 9472

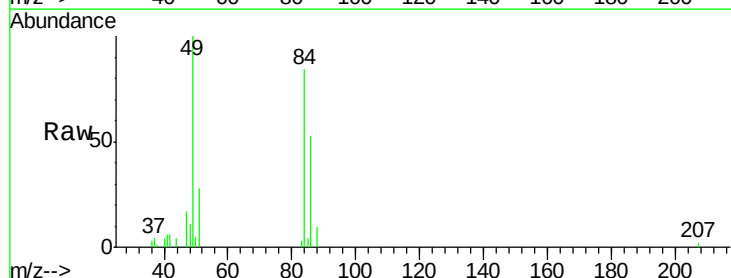
Ion Ratio Lower Upper

84 100

49 118.9 98.2 147.2

51 33.1 30.2 45.2

86 63.2 48.9 73.3

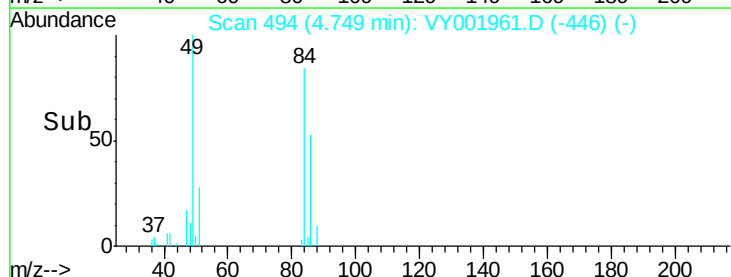
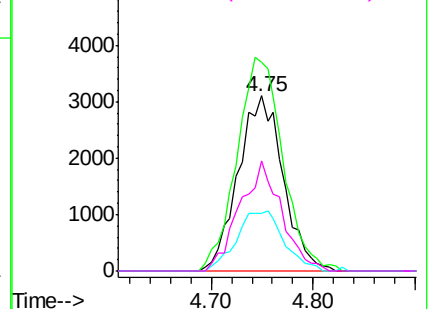


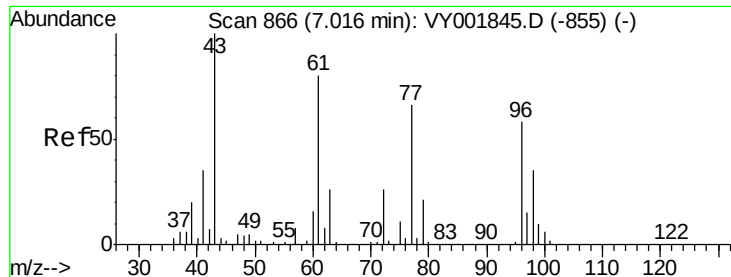
Abundance Ion 83.90 (83.60 to 84.60): VY001961.D (-494) (-)

Ion 48.90 (48.60 to 49.60): VY001961.D (-494) (-)

Ion 50.90 (50.60 to 51.60): VY001961.D (-494) (-)

Ion 85.90 (85.60 to 86.60): VY001961.D (-494) (-)





#25

2-Butanone

Concen: 1.22 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001961.D

Acq: 12 Mar 2020 17:56

Instrument :

MSVOA_Y

ClientSampleId :

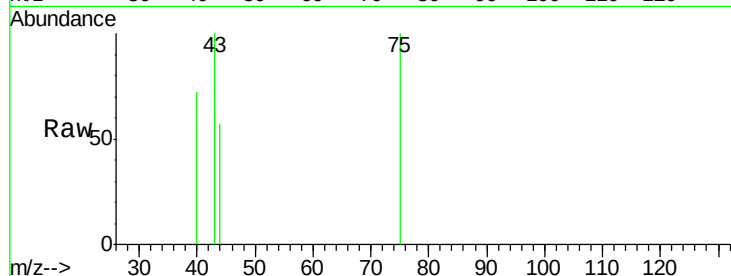
MK-031220-4-5-GRAB-B1

Tgt Ion: 43 Resp: 721

Ion Ratio Lower Upper

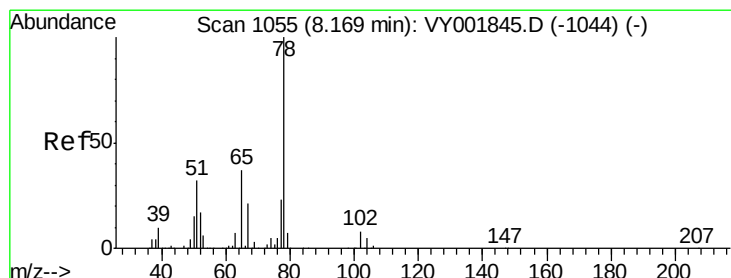
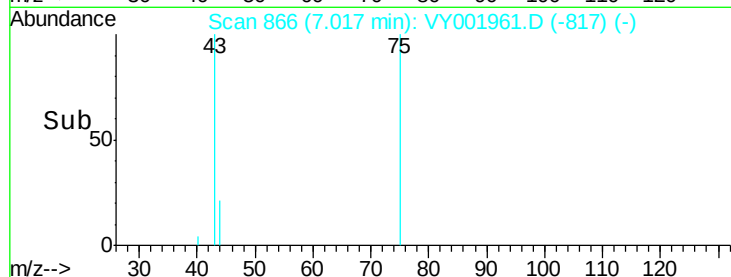
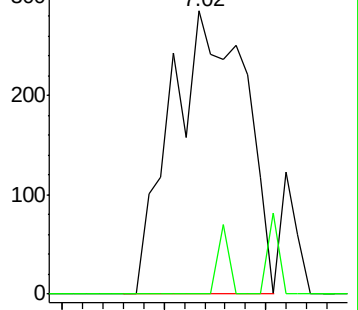
43 100

72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 55.73 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001961.D

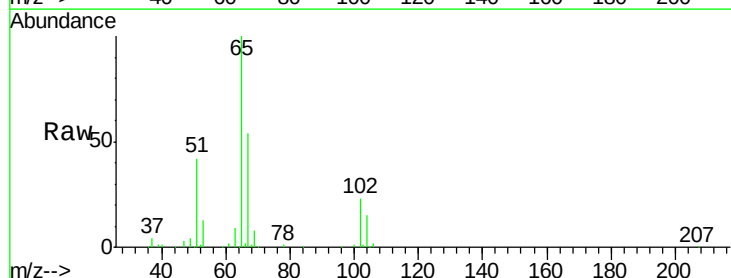
Acq: 12 Mar 2020 17:56

Tgt Ion: 65 Resp: 74350

Ion Ratio Lower Upper

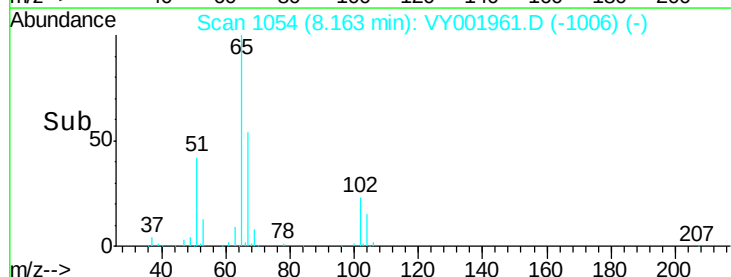
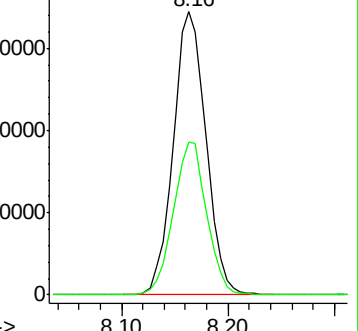
65 100

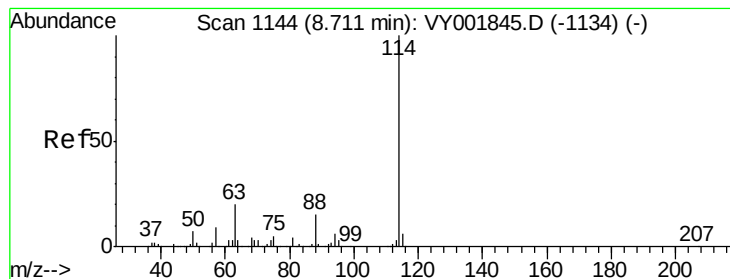
67 54.8 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY001961.D

Acq: 12 Mar 2020 17:56

Instrument :

MSVOA_Y

ClientSampleId :

MK-031220-4-5-GRAB-B1

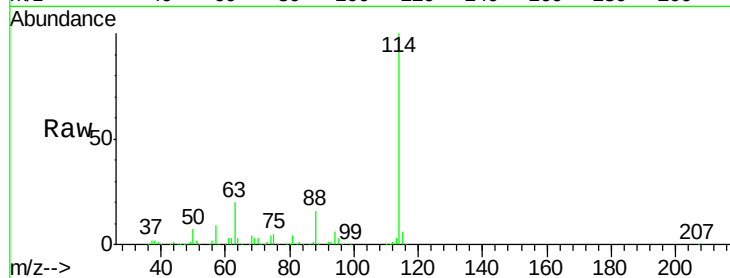
Tgt Ion:114 Resp: 234022

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.4

88 15.9 0.0 30.4

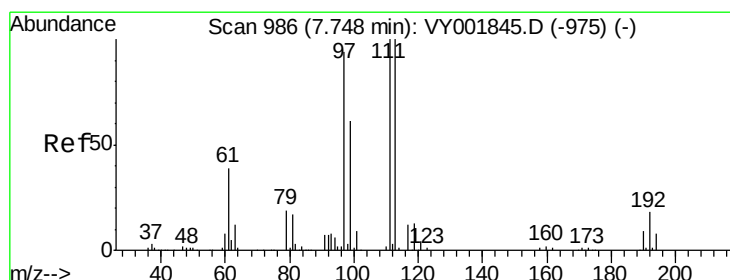
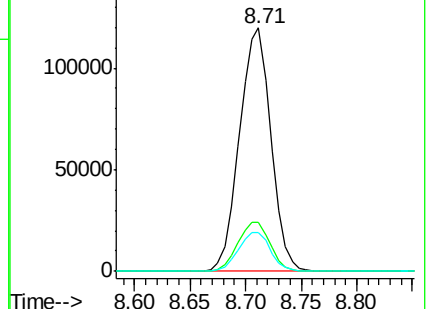
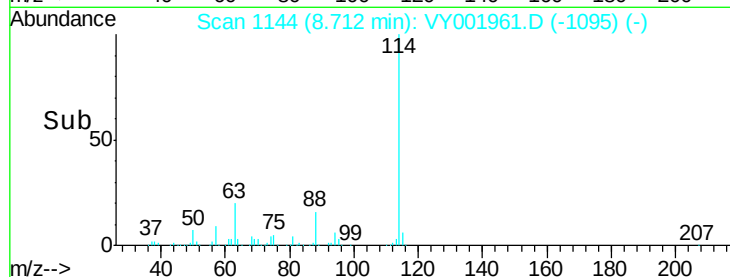


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

Time-->



#35

Dibromofluoromethane

Concen: 52.78 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001961.D

Acq: 12 Mar 2020 17:56

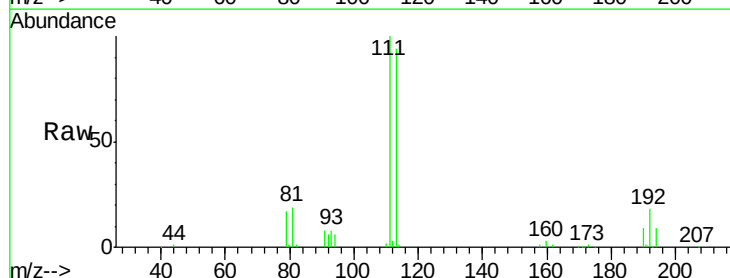
Tgt Ion:113 Resp: 67445

Ion Ratio Lower Upper

113 100

111 104.6 81.8 122.8

192 18.1 14.2 21.2

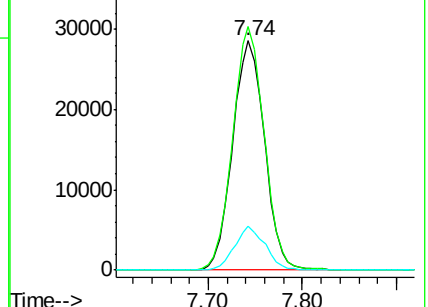
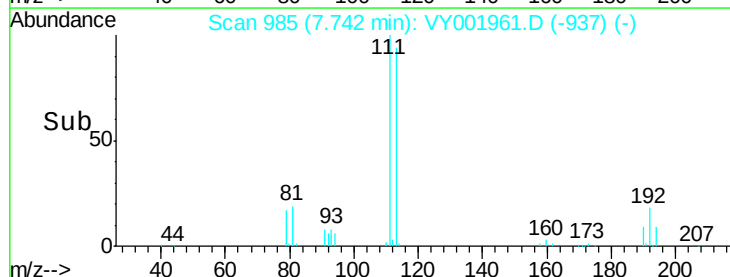


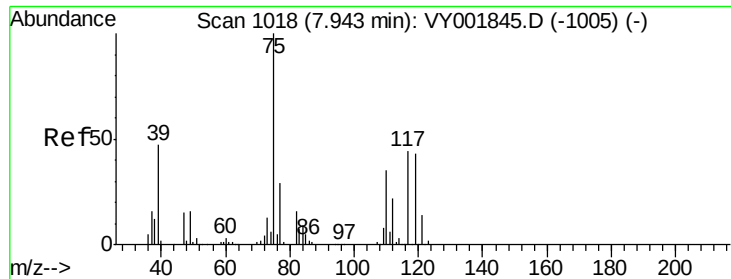
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time-->

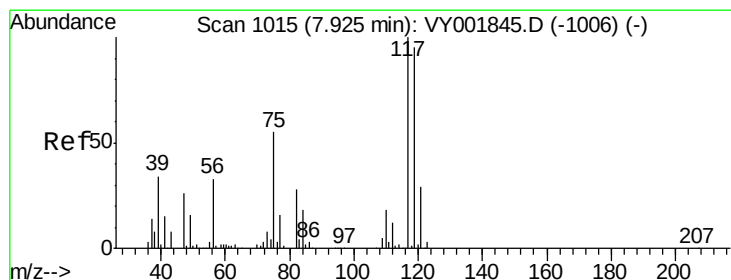
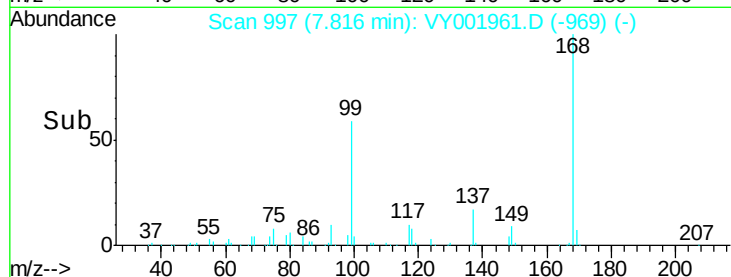
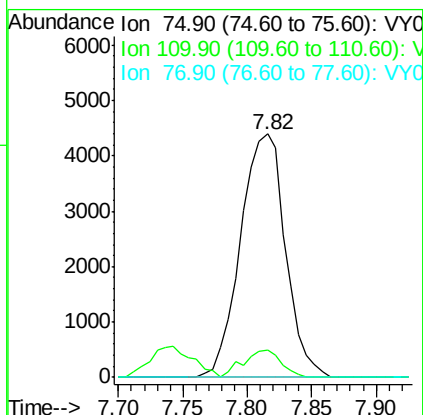
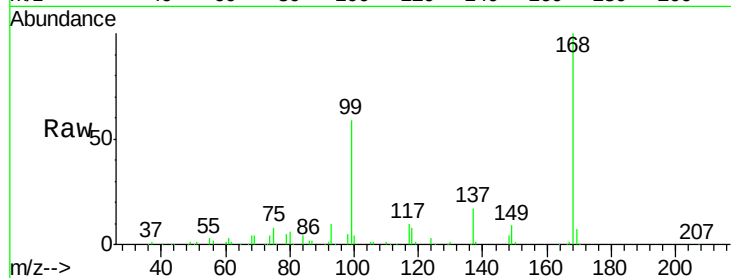




#36
 1,1-Dichloropropene
 Concen: 4.70 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001961.D
 Acq: 12 Mar 2020 17:56

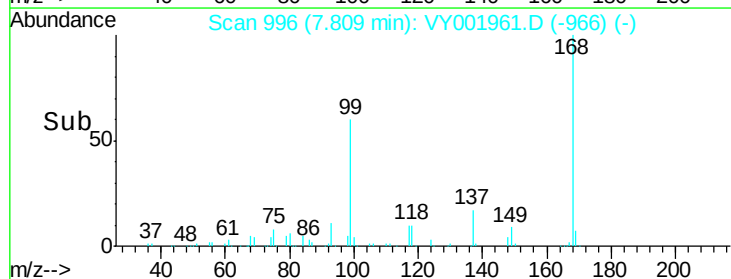
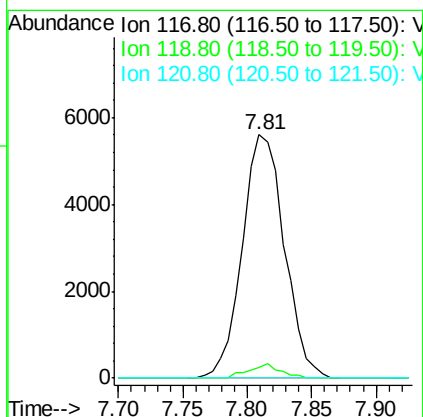
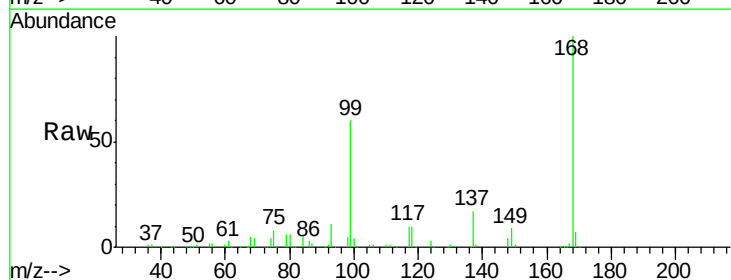
Instrument :
 MSVOA_Y
 ClientSampleId :
 MK-031220-4-5-GRAB-B1

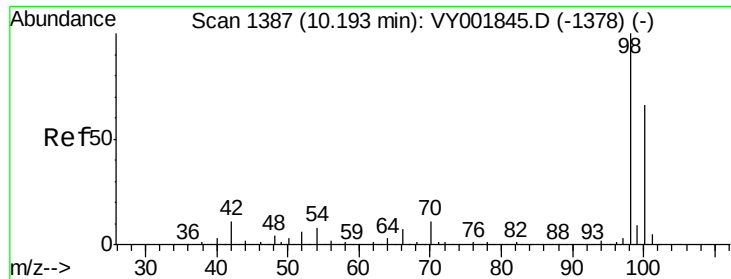
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.4	52.2#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.59 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY001961.D
 Acq: 12 Mar 2020 17:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	76.3	114.5#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 52.37 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001961.D

Acq: 12 Mar 2020 17:56

Instrument :

MSVOA_Y

ClientSampleId :

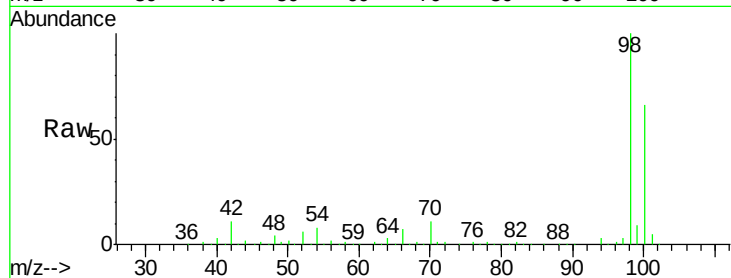
MK-031220-4-5-GRAB-B1

Tgt Ion: 98 Resp: 282185

Ion Ratio Lower Upper

98 100

100 65.9 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) (-)

10.19

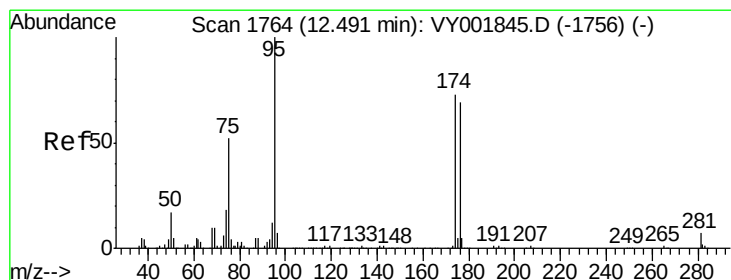
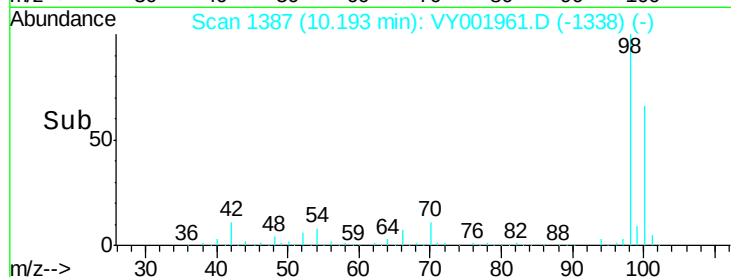
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.02 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001961.D

Acq: 12 Mar 2020 17:56

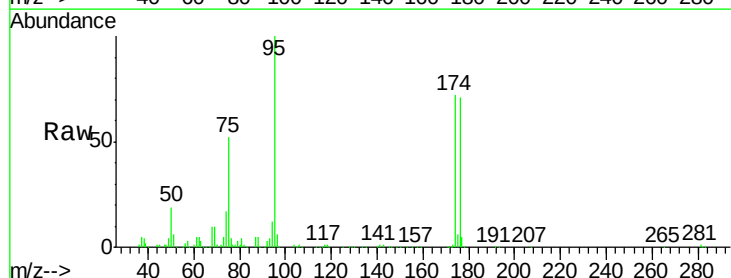
Tgt Ion: 95 Resp: 93717

Ion Ratio Lower Upper

95 100

174 72.0 0.0 145.0

176 68.9 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) (-)

12.49

80000

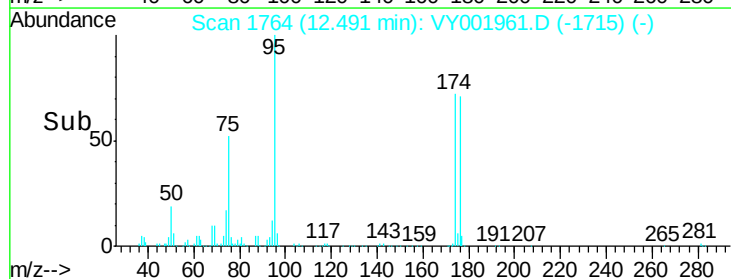
60000

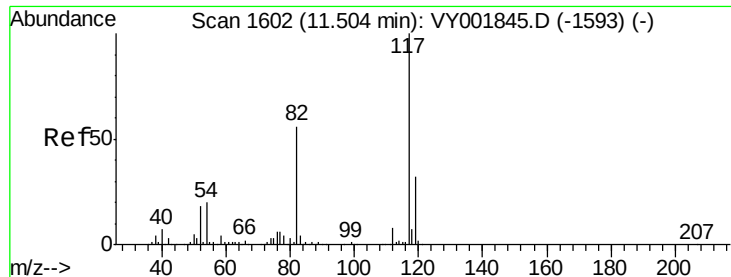
40000

20000

0

Time-->

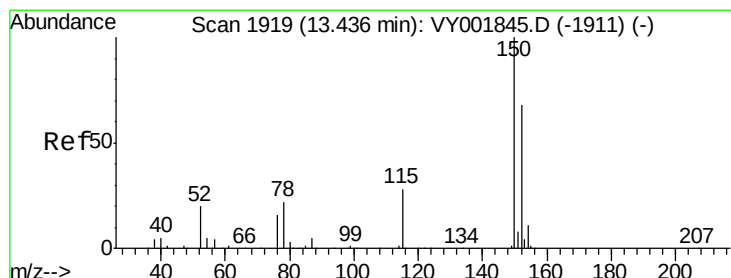
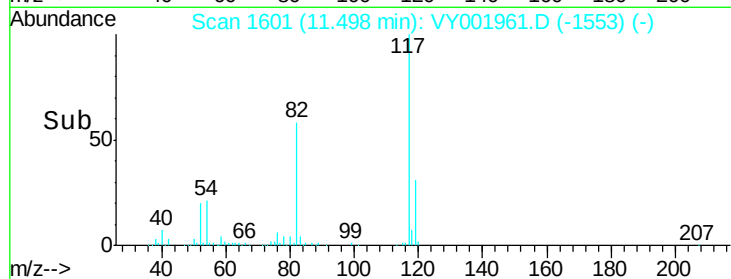
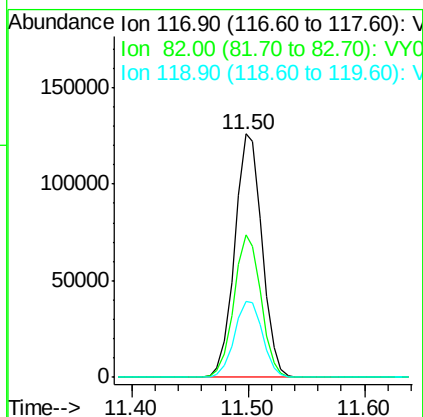
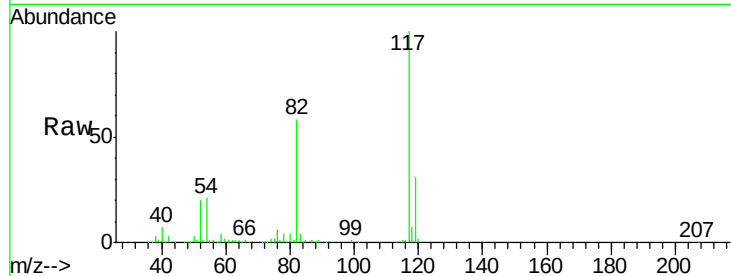




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001961.D
Acq: 12 Mar 2020 17:56

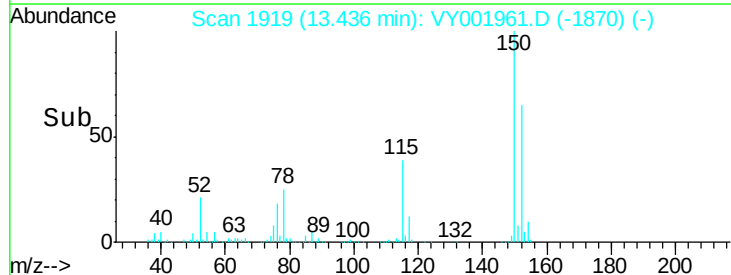
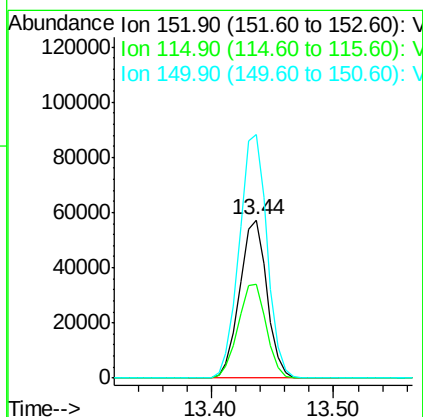
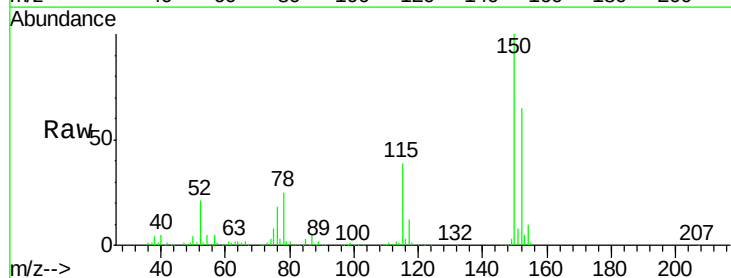
Instrument :
MSVOA_Y
ClientSampleId :
MK-031220-4-5-GRAB-B1

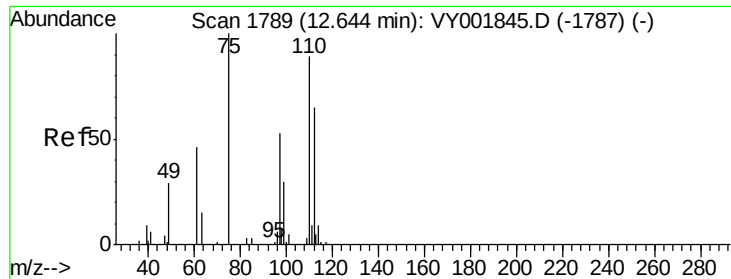
Tgt Ion:117 Resp: 205335
Ion Ratio Lower Upper
117 100
82 58.5 44.5 66.7
119 31.4 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY001961.D
Acq: 12 Mar 2020 17:56

Tgt Ion:152 Resp: 88059
Ion Ratio Lower Upper
152 100
115 61.6 29.9 89.7
150 157.4 0.0 340.6

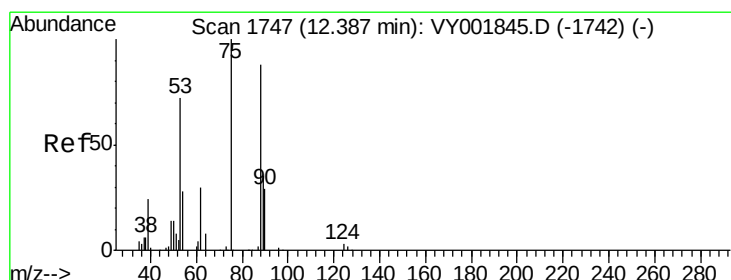
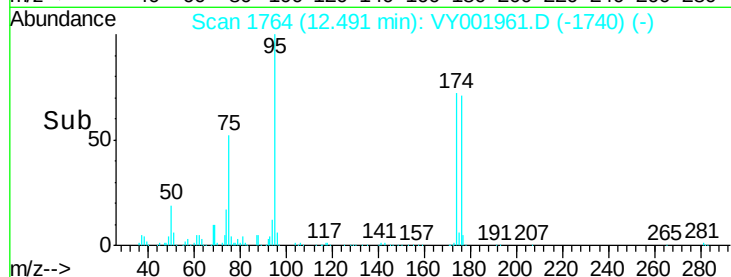
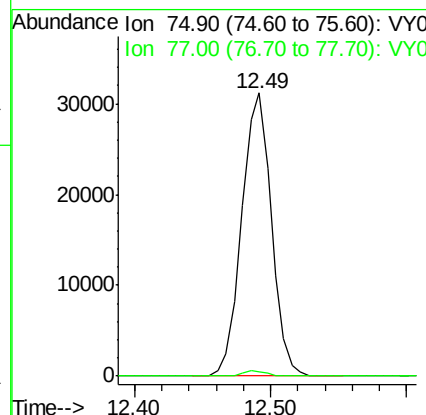
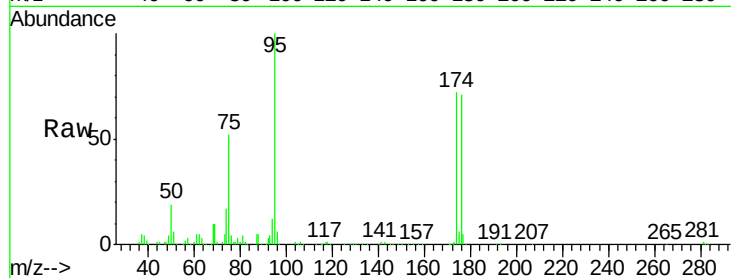




#76
 1,2,3-Trichloropropane
 Concen: 45.37 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.15 min
 Lab File: VY001961.D
 Acq: 12 Mar 2020 17:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 MK-031220-4-5-GRAB-B1

Tgt Ion: 75 Resp: 47401
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.64 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY001961.D
 Acq: 12 Mar 2020 17:56

Tgt Ion: 75 Resp: 47401
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.4 98.0#
 89 0.1 36.0 54.0#

