

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY022420\
 Data File : VY001766.D
 Acq On : 24 Feb 2020 12:33
 Operator : SY/MD
 Sample : L1654-02
 Misc : 5.70G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-BPM-03-012-ABCD

Quant Time: Feb 24 13:35:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	165772	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	304075	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	278131	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.42	152	121475	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	100686	56.47	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	112.94%	
35) Dibromofluoromethane	7.73	113	89659	51.48	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.18	98	372575	54.61	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	109.22%	
62) 4-Bromofluorobenzene	12.49	95	127044	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	

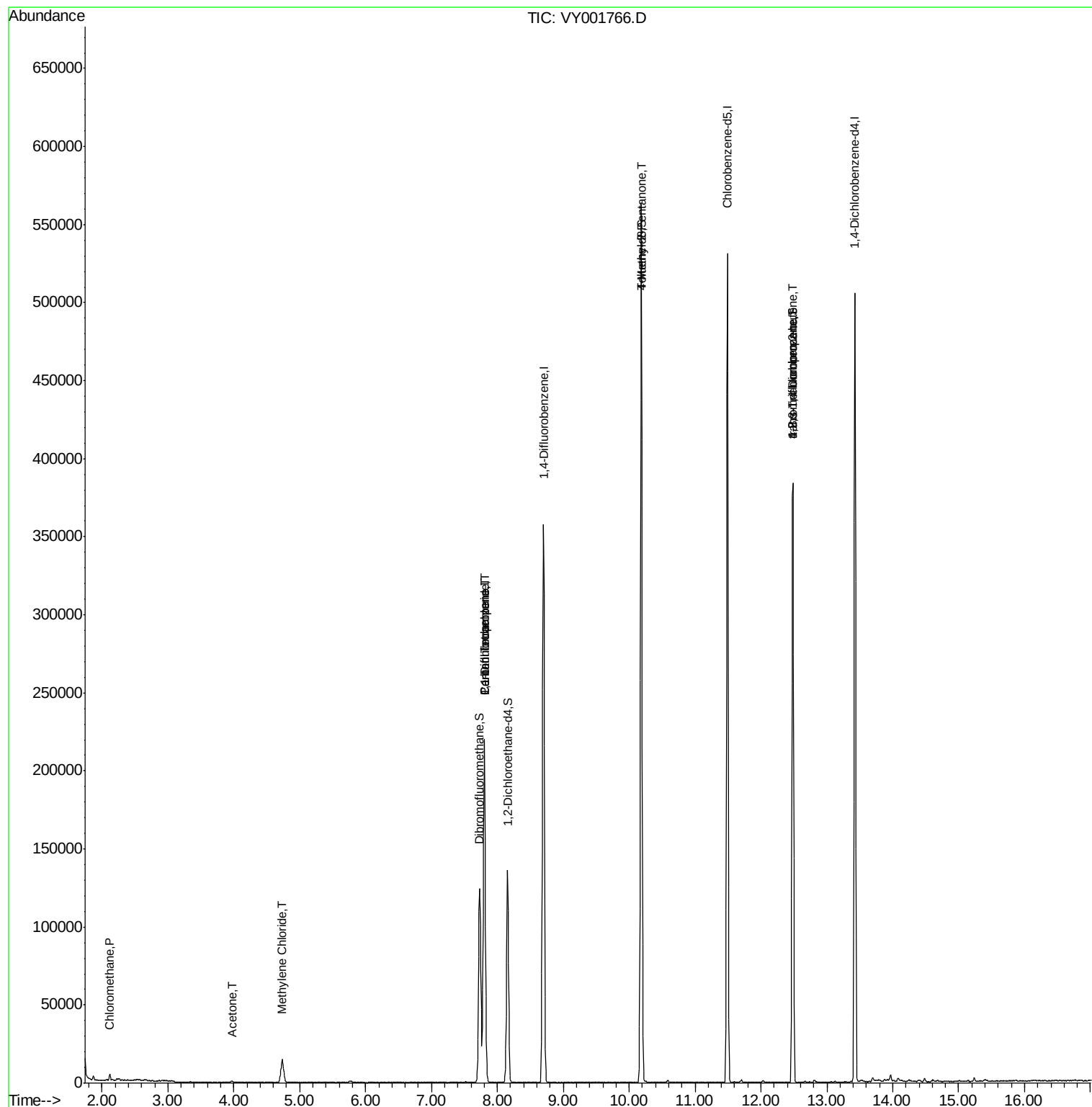
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	3219	1.48	ug/l	95
16) Acetone	3.97	43	1362	2.21	ug/l #	83
20) Methylene Chloride	4.74	84	10540	4.81	ug/l	93
36) 1,1-Dichloropropene	7.80	75	13557	4.67	ug/l #	49
38) Carbon Tetrachloride	7.80	117	16374	6.42	ug/l #	16
51) 4-Methyl-2-Pentanone	10.19	43	1771	1.05	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	64721	46.45	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	64721	88.12	ug/l #	17

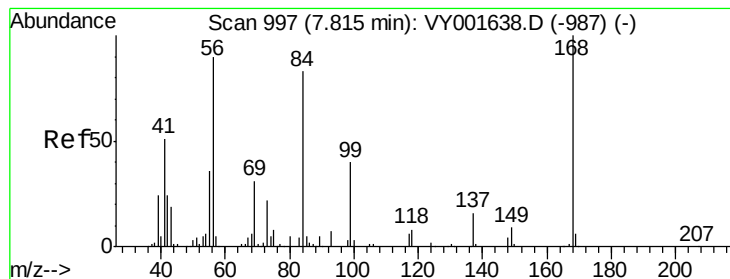
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001766.D

Acq: 24 Feb 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

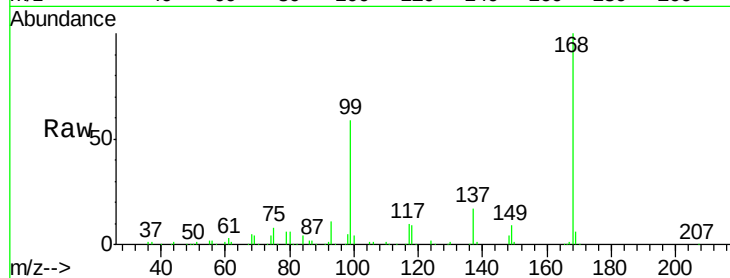
FK-BPM-03-012-ABCD

Tgt Ion:168 Resp: 165772

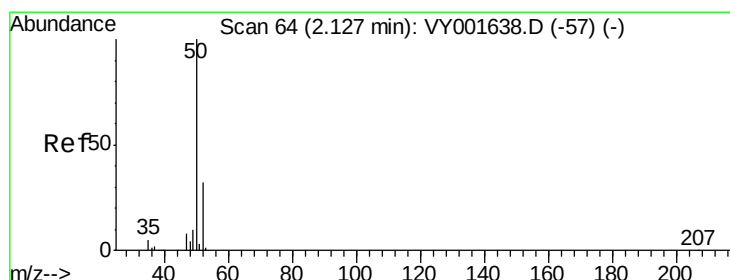
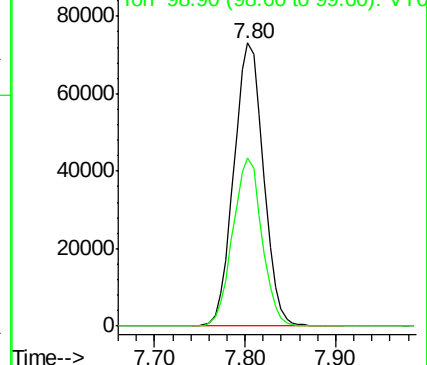
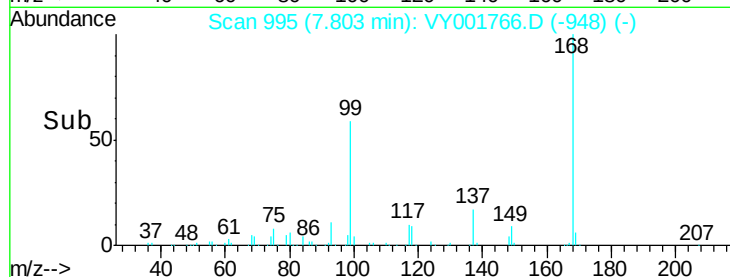
Ion Ratio Lower Upper

168 100

99 59.5 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001766.D (-948) (-)



#3

Chloromethane

Concen: 1.48 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY001766.D

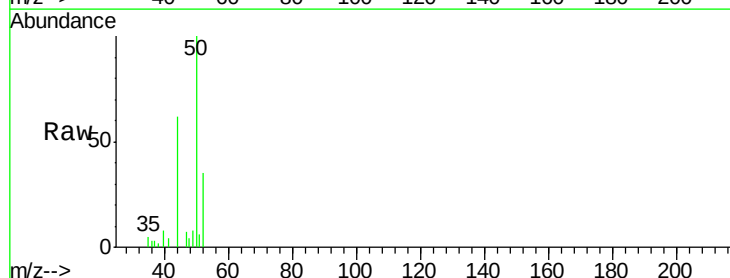
Acq: 24 Feb 2020 12:33

Tgt Ion: 50 Resp: 3219

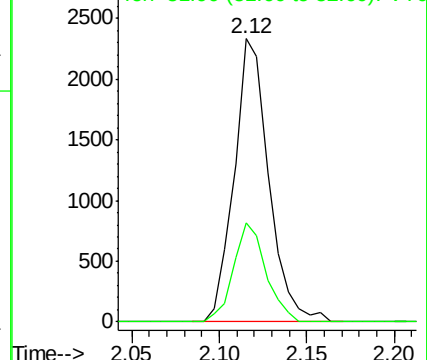
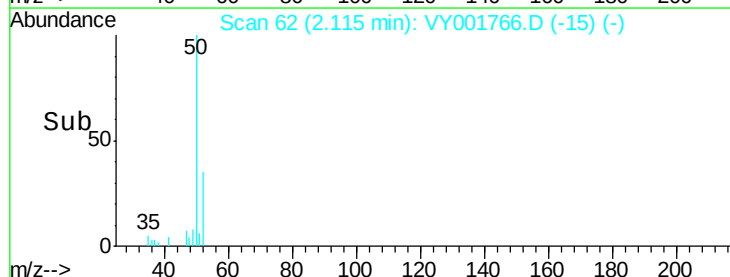
Ion Ratio Lower Upper

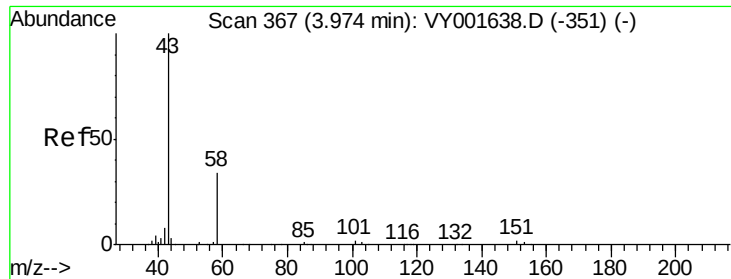
50 100

52 35.2 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY001766.D (-15) (-)





#16

Acetone

Concen: 2.21 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY001766.D

Acq: 24 Feb 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

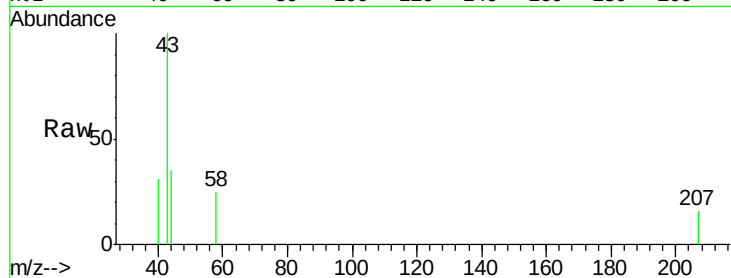
FK-BPM-03-012-ABCD

Tgt Ion: 43 Resp: 1362

Ion Ratio Lower Upper

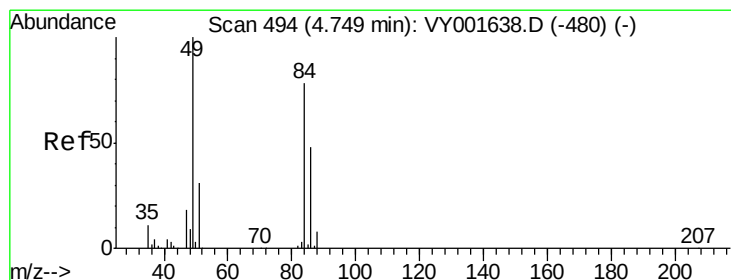
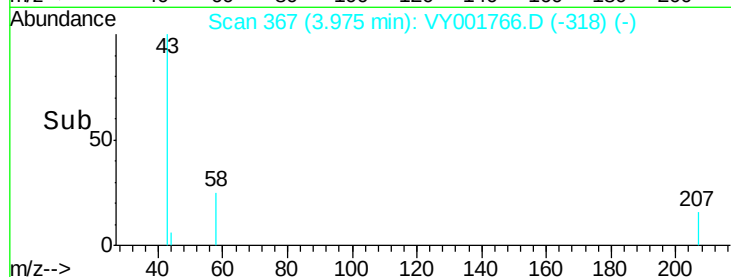
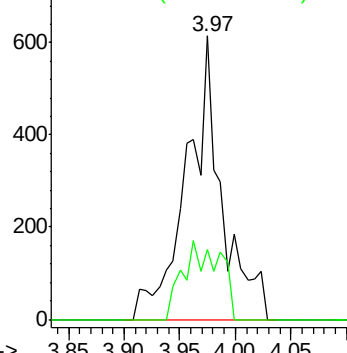
43 100

58 24.6 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 4.81 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.01 min

Lab File: VY001766.D

Acq: 24 Feb 2020 12:33

Tgt Ion: 84 Resp: 10540

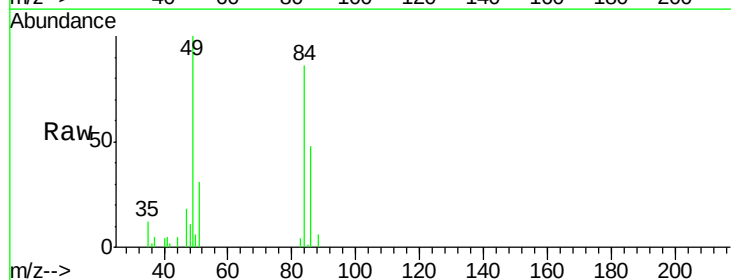
Ion Ratio Lower Upper

84 100

49 116.9 99.2 148.8

51 36.7 31.5 47.3

86 56.1 51.0 76.6

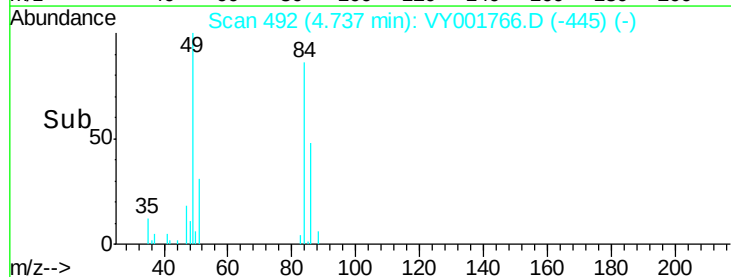
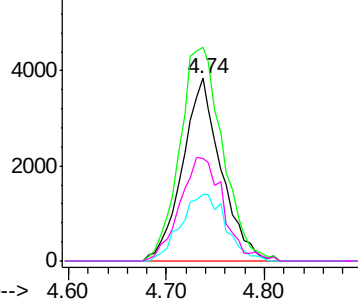


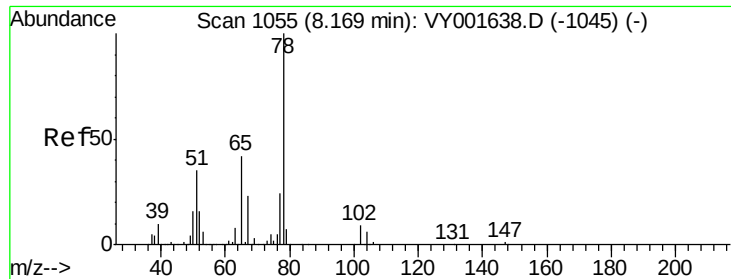
Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

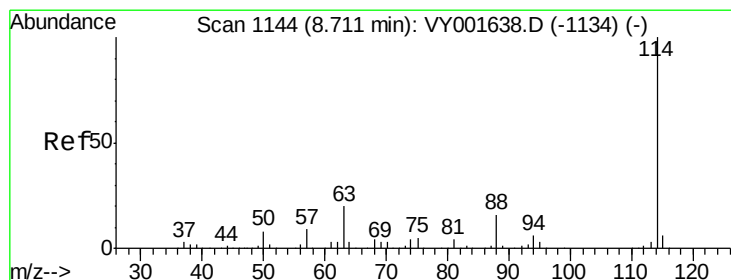
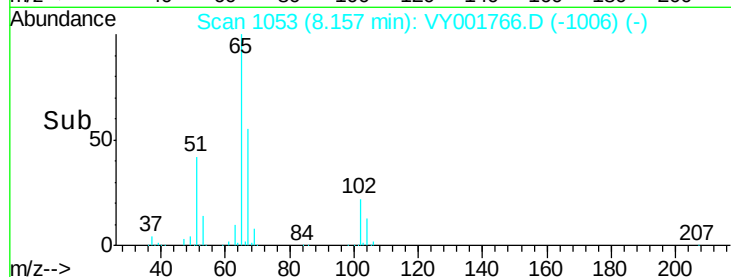
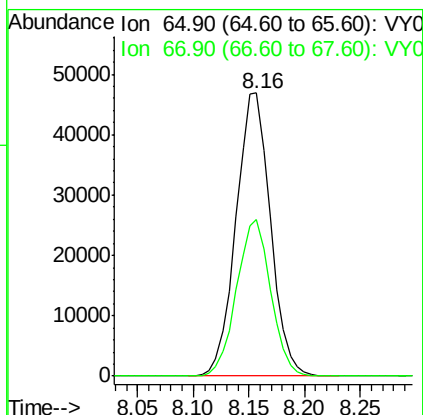
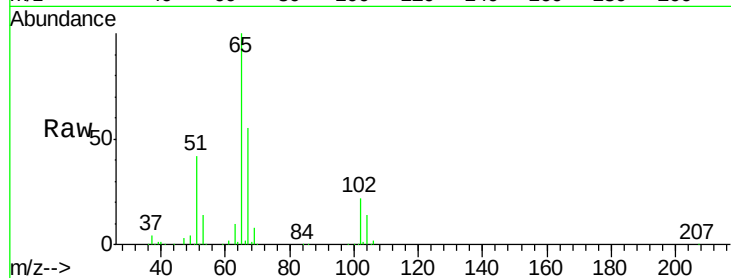




#33
 1,2-Dichloroethane-d4
 Concen: 56.47 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001766.D
 Acq: 24 Feb 2020 12:33

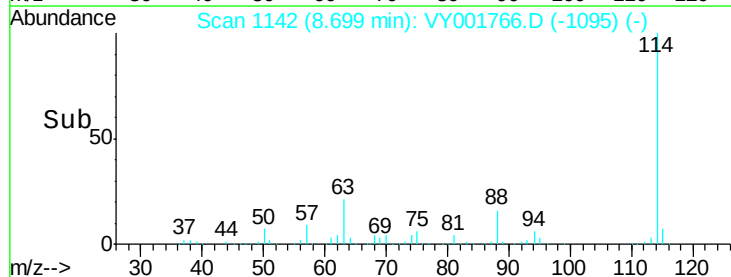
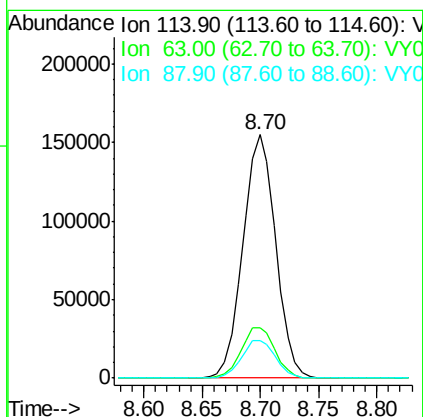
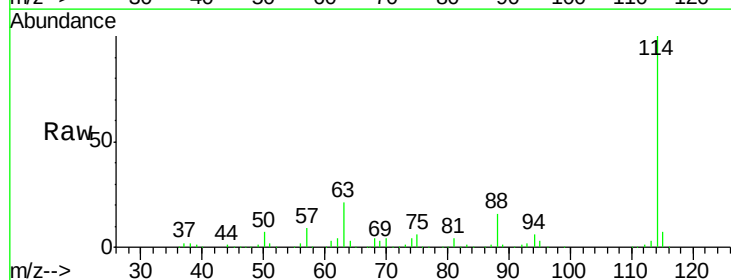
Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-BPM-03-012-ABCD

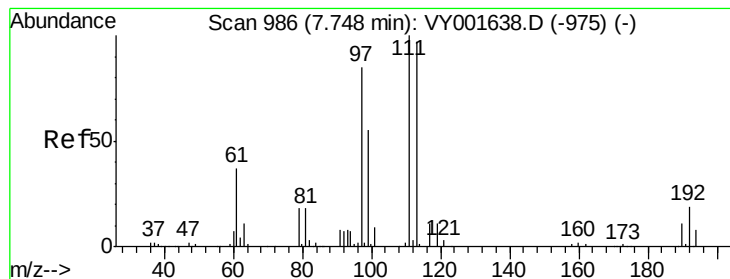
Tgt Ion: 65 Resp: 100686
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001766.D
 Acq: 24 Feb 2020 12:33

Tgt Ion: 114 Resp: 304075
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.4
 88 15.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.48 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.02 min

Lab File: VY001766.D

Acq: 24 Feb 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

FK-BPM-03-012-ABCD

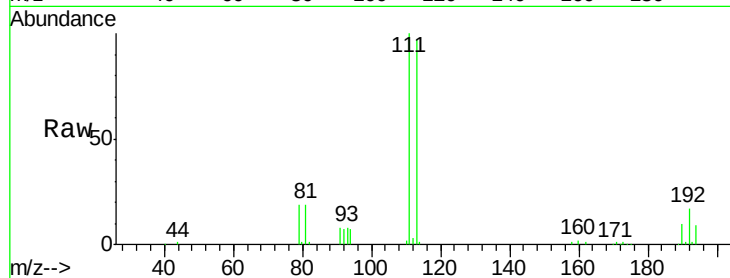
Tgt Ion:113 Resp: 89659

Ion Ratio Lower Upper

113 100

111 103.8 81.9 122.9

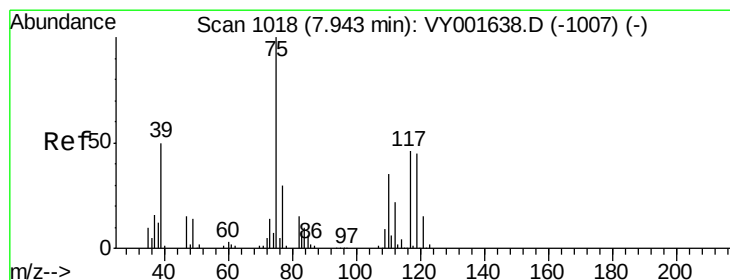
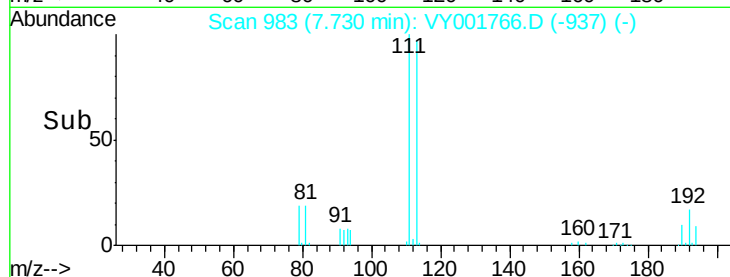
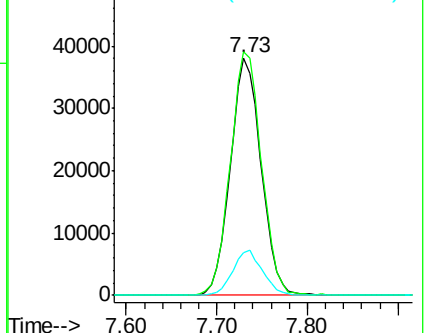
192 18.3 14.3 21.5



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: 7.80 min Scan# 995

Delta R.T. -0.14 min

Lab File: VY001766.D

Acq: 24 Feb 2020 12:33

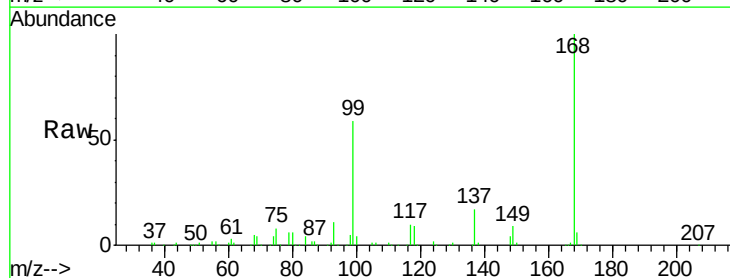
Tgt Ion: 75 Resp: 13557

Ion Ratio Lower Upper

75 100

110 7.8 17.2 51.6#

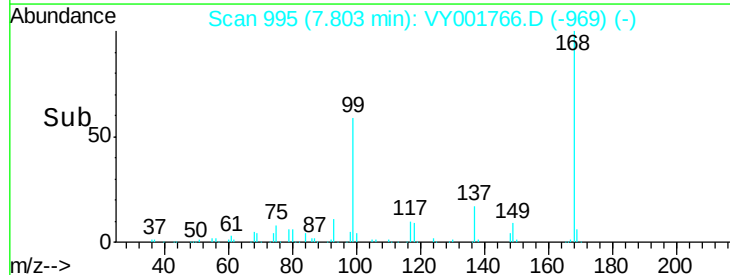
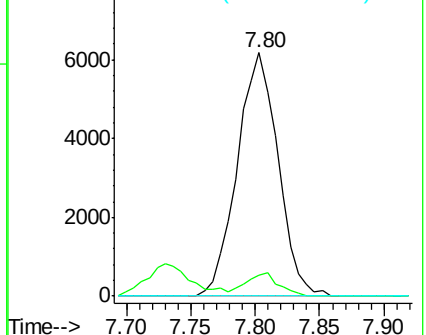
77 0.0 24.8 37.2#

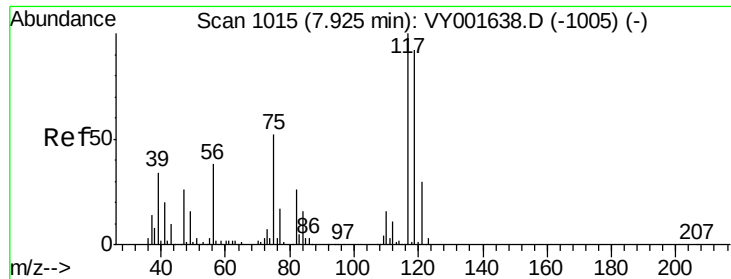


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.42 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY001766.D

Acq: 24 Feb 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

FK-BPM-03-012-ABCD

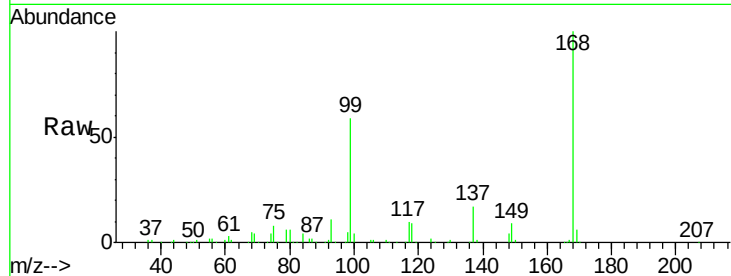
Tgt Ion:117 Resp: 16374

Ion Ratio Lower Upper

117 100

119 3.4 74.8 112.2#

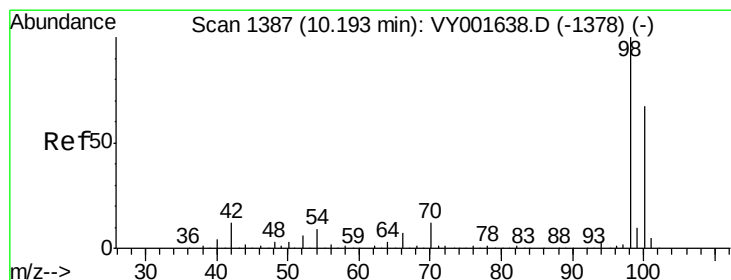
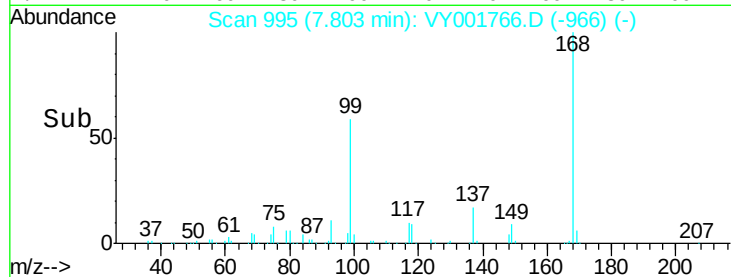
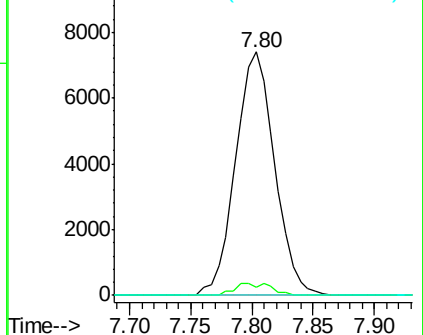
121 0.0 23.8 35.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 54.61 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY001766.D

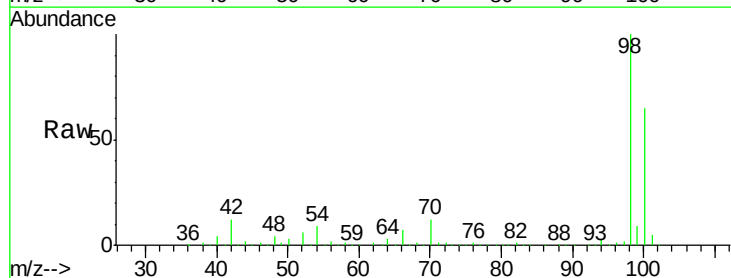
Acq: 24 Feb 2020 12:33

Tgt Ion: 98 Resp: 372575

Ion Ratio Lower Upper

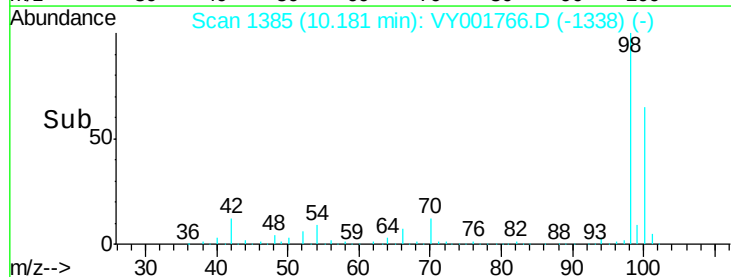
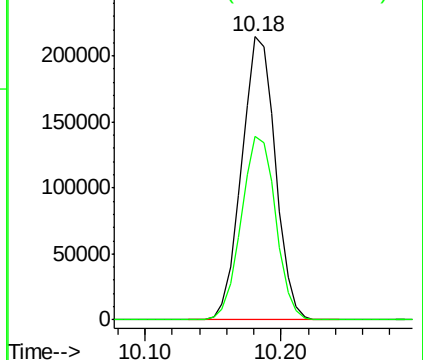
98 100

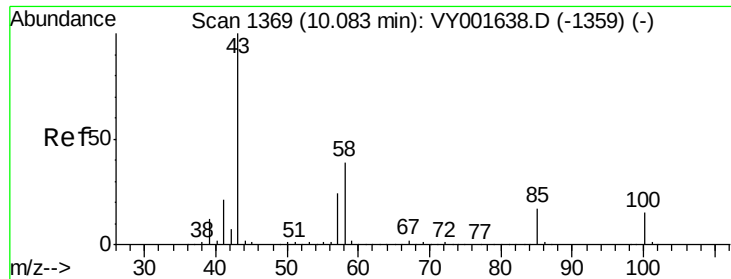
100 66.2 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 1.05 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.10 min

Lab File: VY001766.D

Acq: 24 Feb 2020 12:33

Instrument :

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ClientSampleId :

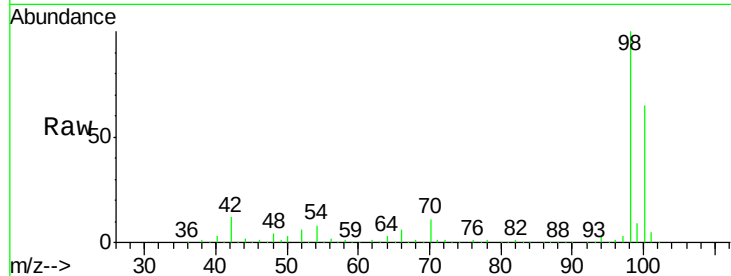
FK-BPM-03-012-ABCD

Tgt Ion: 43 Resp: 1771

Ion Ratio Lower Upper

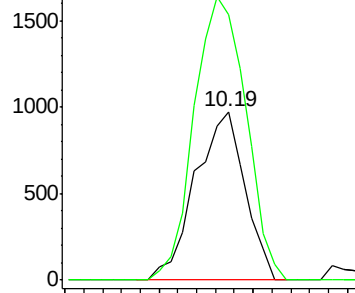
43 100

58 175.7 32.2 48.4#

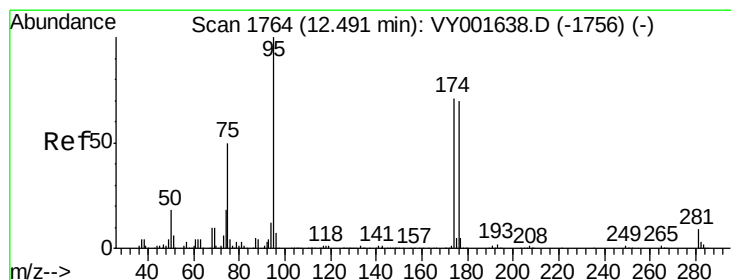
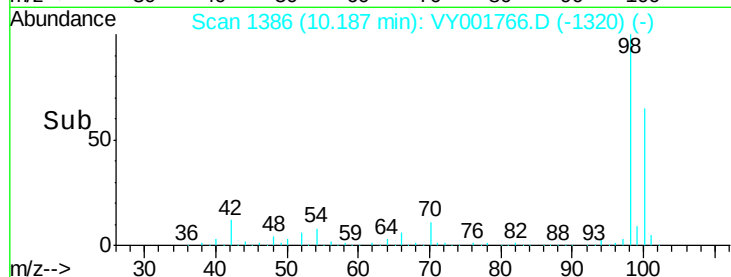


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time--> 10.10 10.15 10.20



#62

4-Bromofluorobenzene

Concen: 47.93 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001766.D

Acq: 24 Feb 2020 12:33

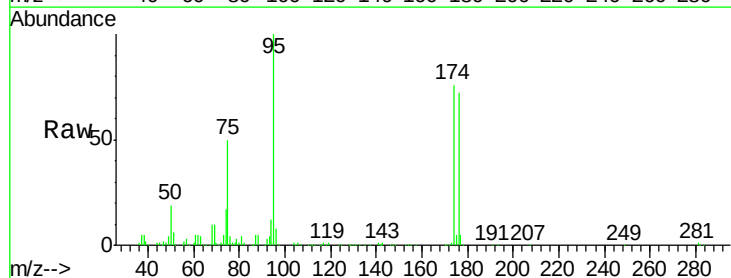
Tgt Ion: 95 Resp: 127044

Ion Ratio Lower Upper

95 100

174 74.7 0.0 138.4

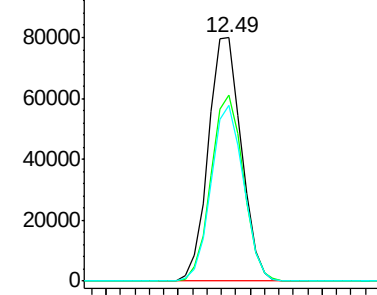
176 70.6 0.0 131.8



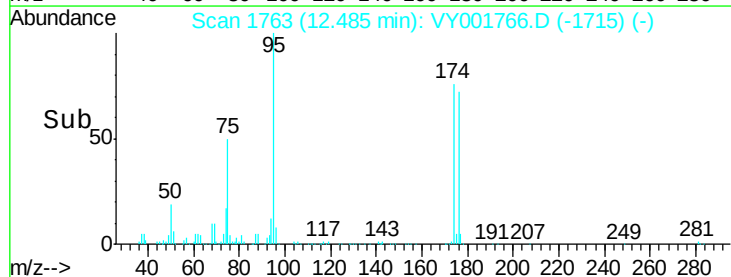
Abundance Ion 94.90 (94.60 to 95.60): VY0

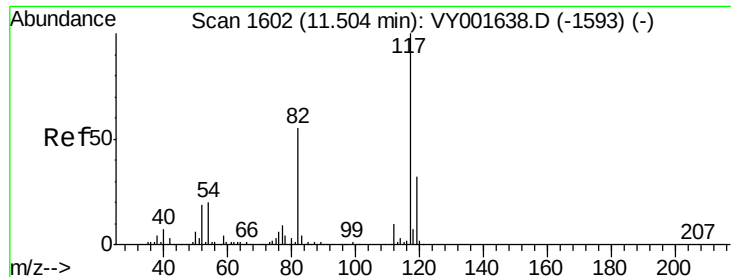
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time--> 12.40 12.45 12.50 12.55

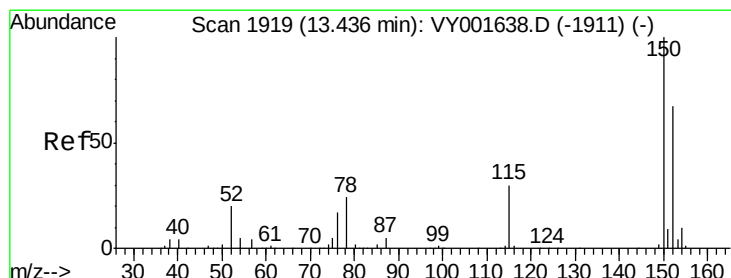
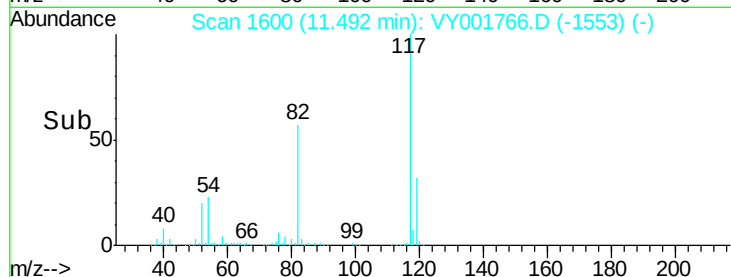
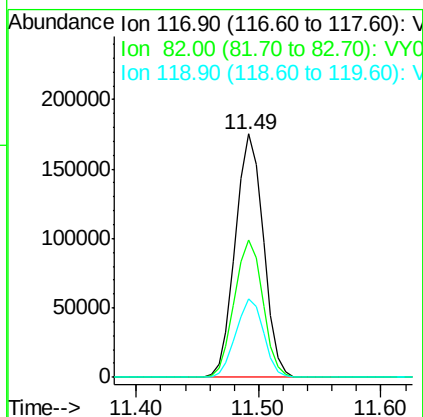
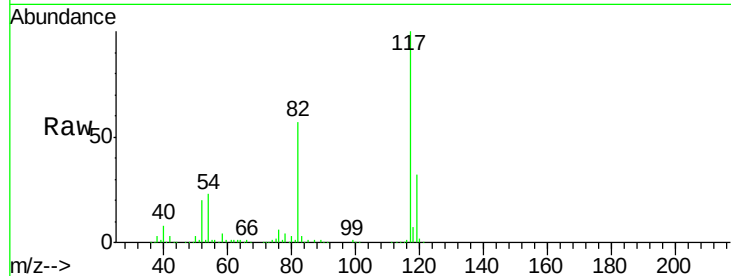




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001766.D
Acq: 24 Feb 2020 12:33

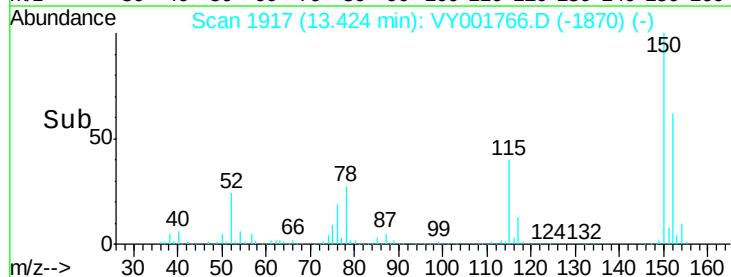
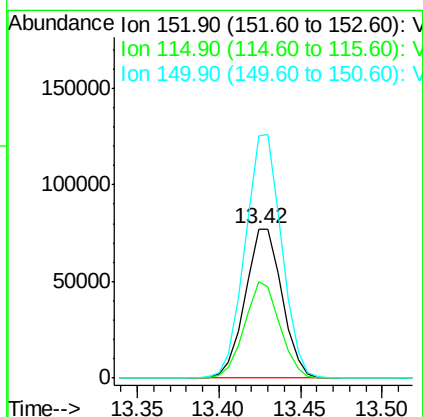
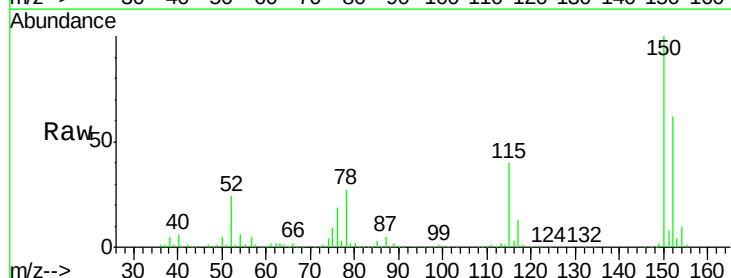
Instrument :
MSVOA_Y
ClientSampleId :
FK-BPM-03-012-ABCD

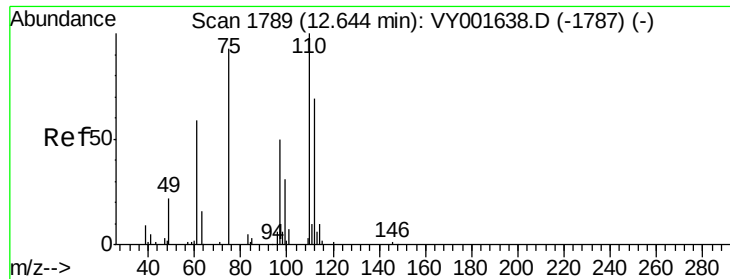
Tgt Ion:117 Resp: 278131
Ion Ratio Lower Upper
117 100
82 56.7 45.5 68.3
119 32.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY001766.D
Acq: 24 Feb 2020 12:33

Tgt Ion:152 Resp: 121475
Ion Ratio Lower Upper
152 100
115 62.1 31.4 94.2
150 161.6 0.0 407.2





#76

1,2,3-Trichloropropane

Concen: 46.45 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY001766.D

Acq: 24 Feb 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

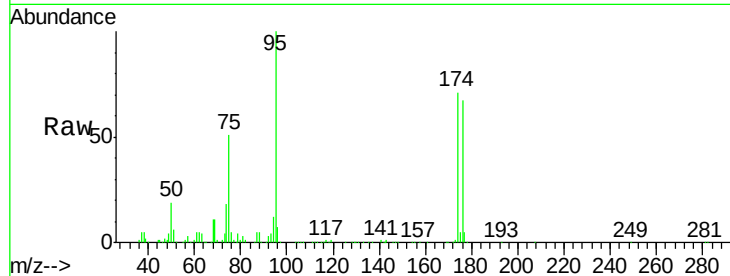
FK-BPM-03-012-ABCD

Tgt Ion: 75 Resp: 64721

Ion Ratio Lower Upper

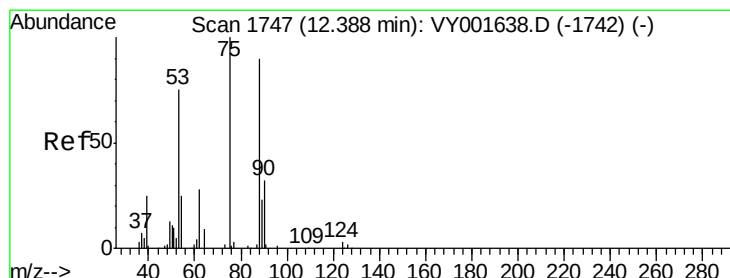
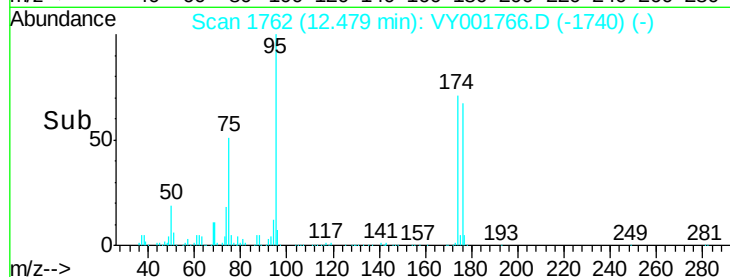
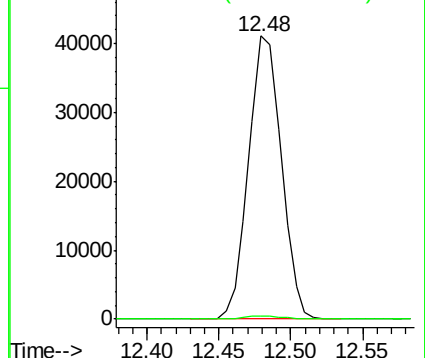
75 100

77 1.2 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: 88.12 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY001766.D

Acq: 24 Feb 2020 12:33

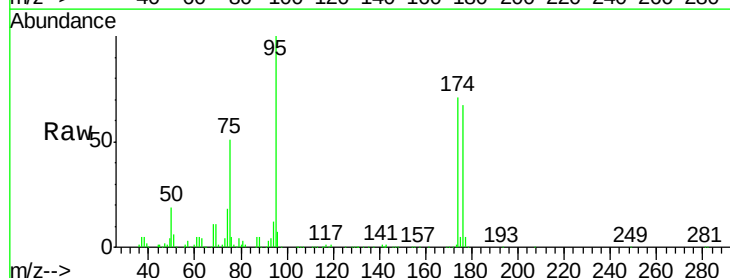
Tgt Ion: 75 Resp: 64721

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 36.3 54.5#



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

