

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022718\
 Data File : VX000149.D
 Acq On : 27 Feb 2018 17:35
 Operator : JC/MD
 Sample : J1674-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 AFTER-CARBON-1

Quant Time: Feb 28 04:41:29 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 12:46:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	115760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	185844	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	169931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	86708	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	71334	49.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.70%	
35) Dibromofluoromethane	5.52	113	54150	46.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.34%	
50) Toluene-d8	8.73	98	221460	47.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.72%	
62) 4-Bromofluorobenzene	11.15	95	78347	43.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.36%	

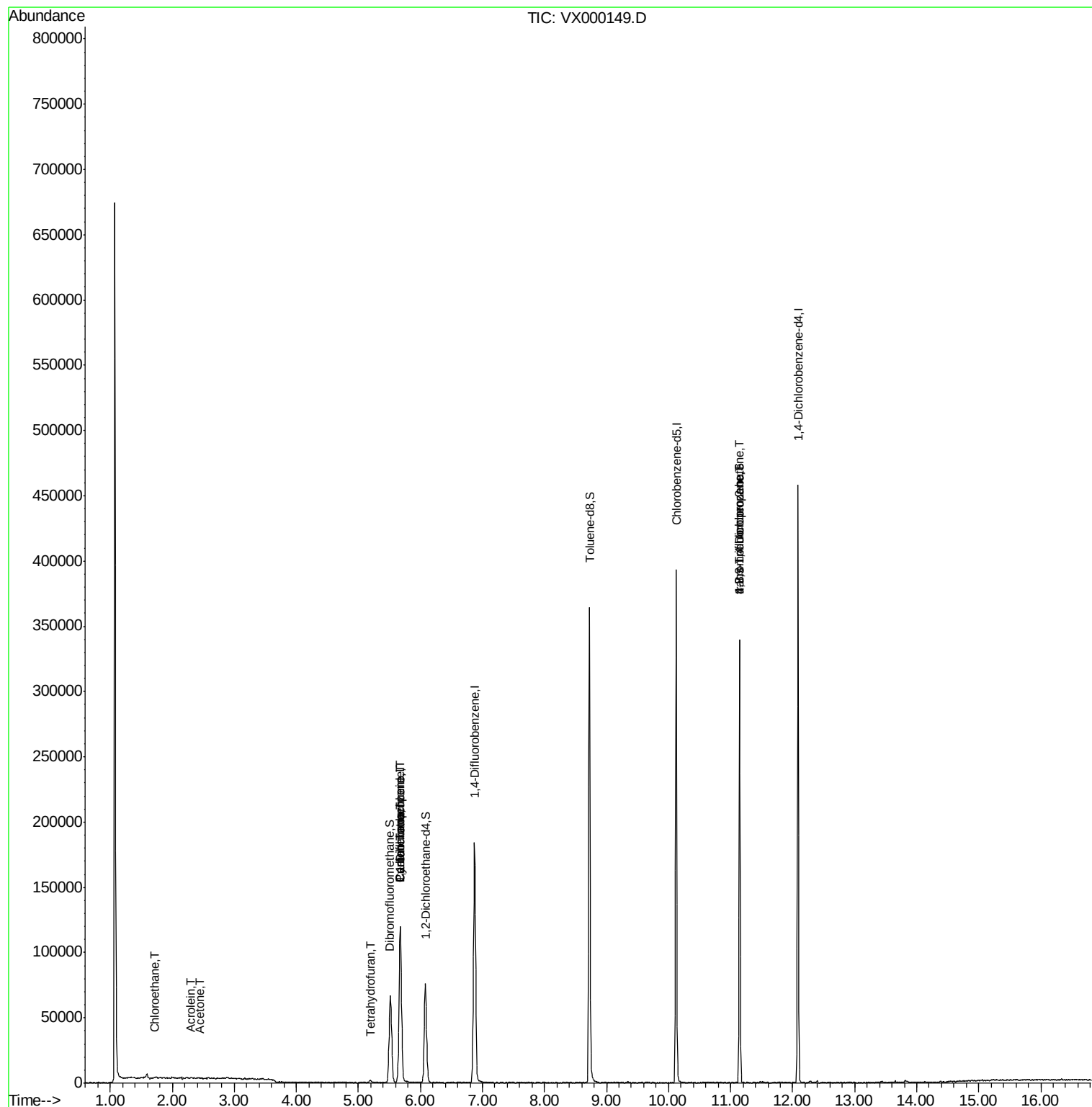
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	199	Below Cal	#	51
6) Chloroethane	1.72	64	309	0.35	ug/l #	42
13) Acrolein	2.29	56	69	0.26	ug/l #	1
16) Acetone	2.44	43	218	0.23	ug/l #	88
20) Methylene Chloride	2.86	84	49	Below Cal	#	7
29) Tetrahydrofuran	5.20	42	1537	1.80	ug/l #	87
31) Cyclohexane	5.67	56	3146	1.74	ug/l #	41
36) 1,1-Dichloropropene	5.68	75	9078	5.44	ug/l #	49
38) Carbon Tetrachloride	5.67	117	11863	6.59	ug/l #	16
41) Methacrylonitrile	5.08	41	43	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.15	75	44238	24.63	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.15	75	44238	70.15	ug/l #	12

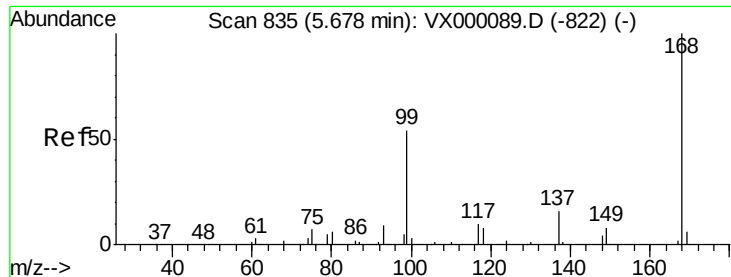
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000149.D

Acq: 27 Feb 2018 17:35

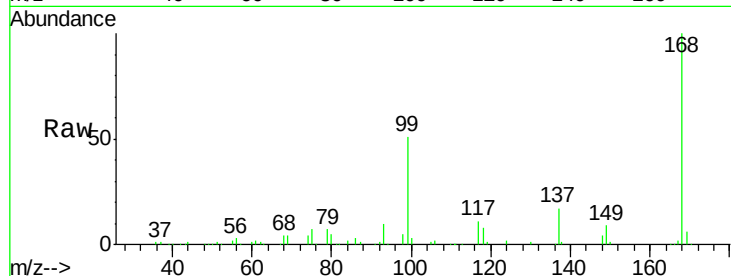
Instrument :
ClientSampleId :
AFTER-CARBON-1

Tgt Ion: 168 Resp: 115760

Ion Ratio Lower Upper

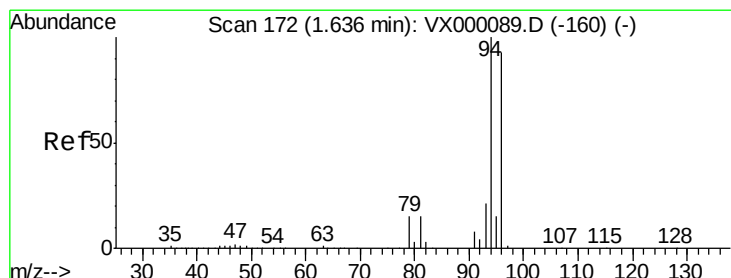
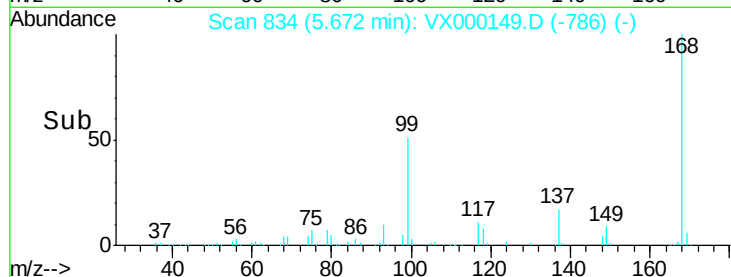
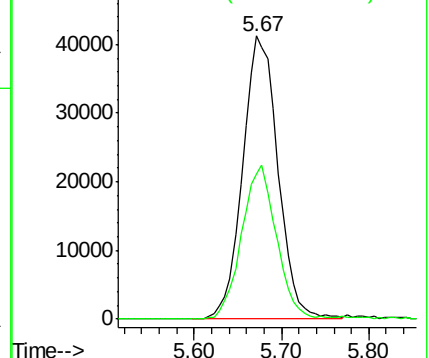
168 100

99 51.4 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000149.D

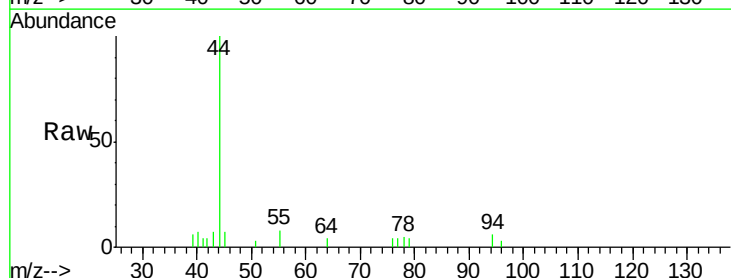
Acq: 27 Feb 2018 17:35

Tgt Ion: 94 Resp: 199

Ion Ratio Lower Upper

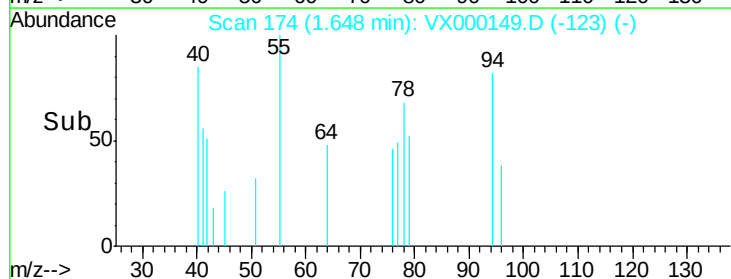
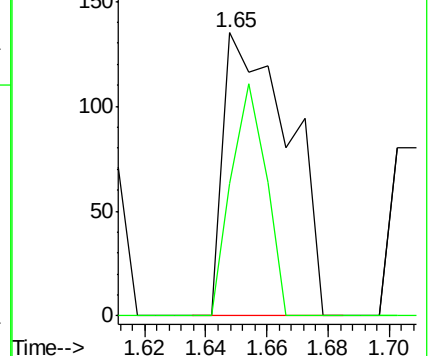
94 100

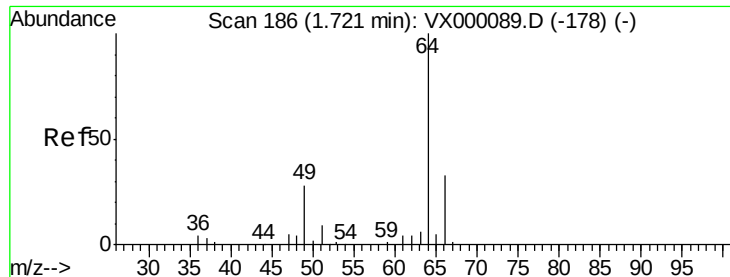
96 46.7 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.35 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX000149.D

Acq: 27 Feb 2018 17:35

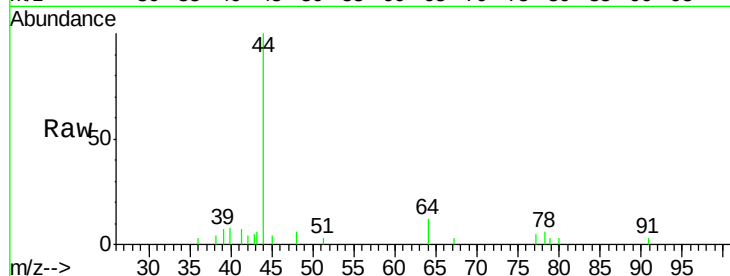
Instrument :
ClientSampled :
AFTER-CARBON-1

Tgt Ion: 64 Resp: 309

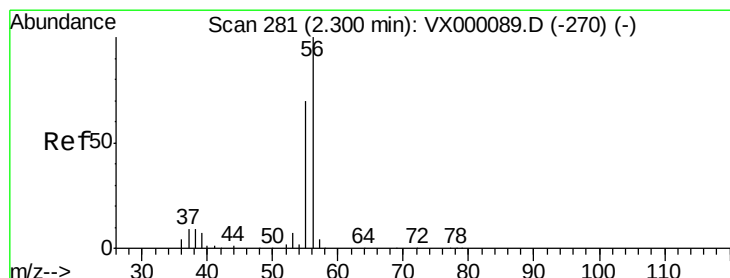
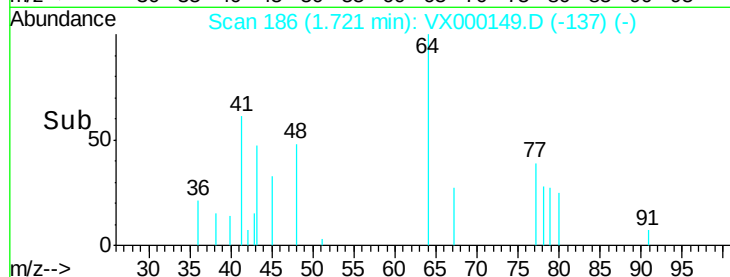
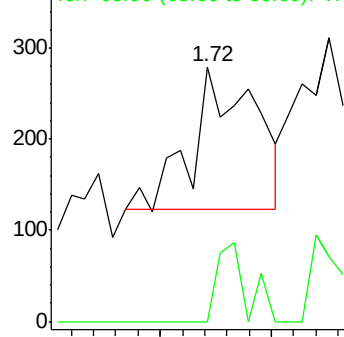
Ion Ratio Lower Upper

64 100

66 0.0 26.0 39.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0



#13

Acrolein

Concen: 0.26 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX000149.D

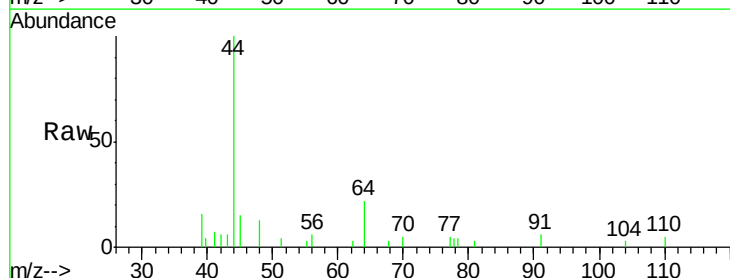
Acq: 27 Feb 2018 17:35

Tgt Ion: 56 Resp: 69

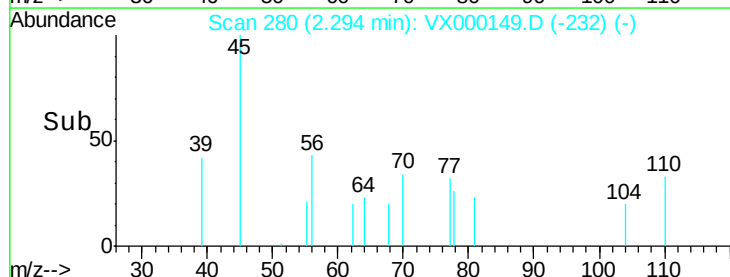
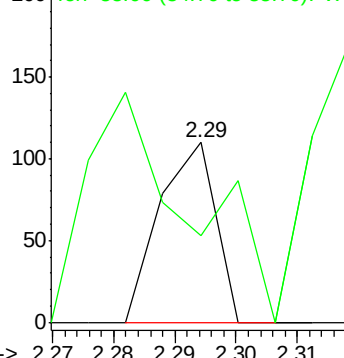
Ion Ratio Lower Upper

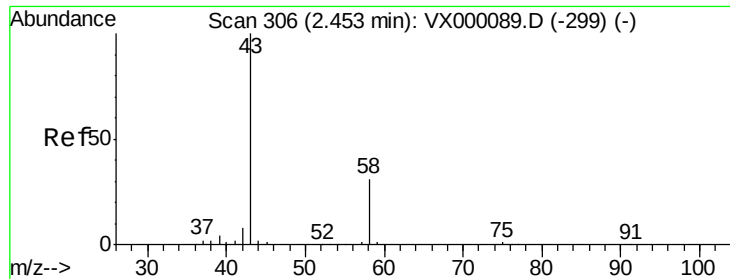
56 100

55 240.6 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.23 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX000149.D

Acq: 27 Feb 2018 17:35

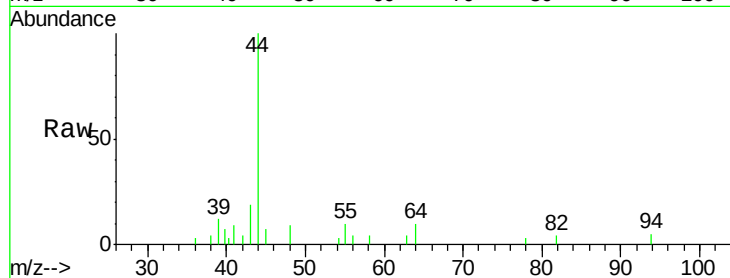
Instrument :
ClientSampled :
AFTER-CARBON-1

Tgt Ion: 43 Resp: 218

Ion Ratio Lower Upper

43 100

58 37.8 25.0 37.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

300

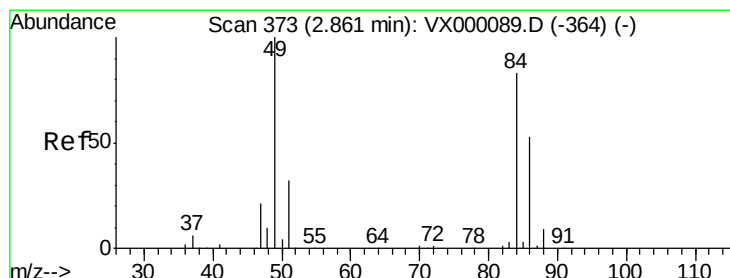
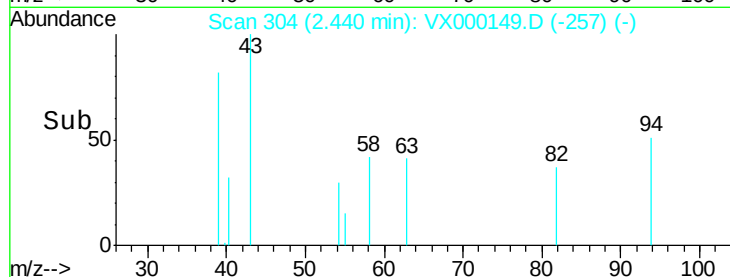
200

100

0

2.40 2.42 2.44 2.46

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX000149.D

Acq: 27 Feb 2018 17:35

Tgt Ion: 84 Resp: 49

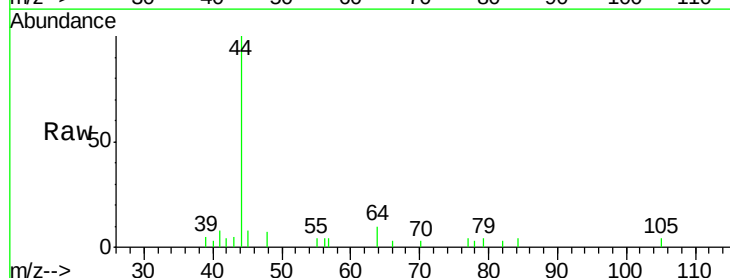
Ion Ratio Lower Upper

84 100

49 0.0 96.1 144.1#

51 0.0 30.5 45.7#

86 0.0 51.3 76.9#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

150

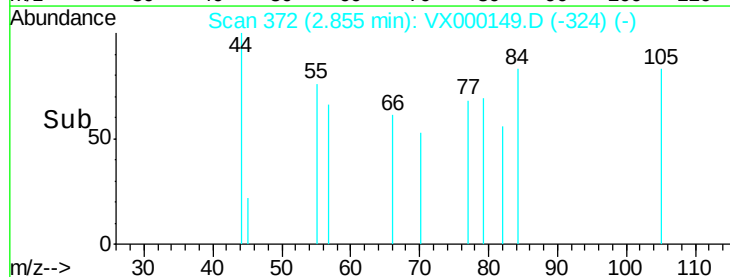
100

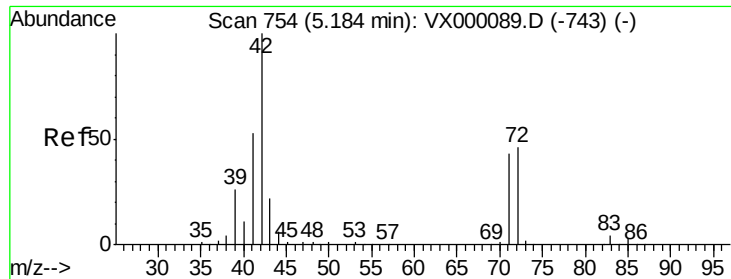
50

0

2.84 2.86 2.88

Time-->





#29

Tetrahydrofuran

Concen: 1.80 ug/l

RT: 5.20 min Scan# 756

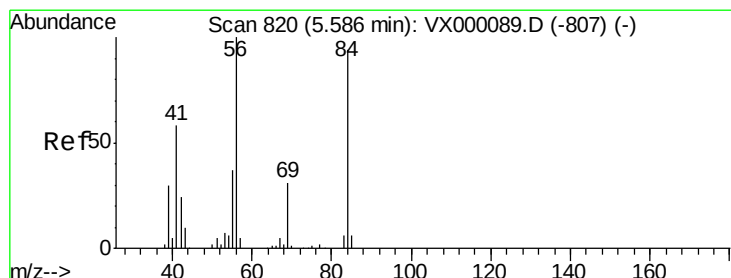
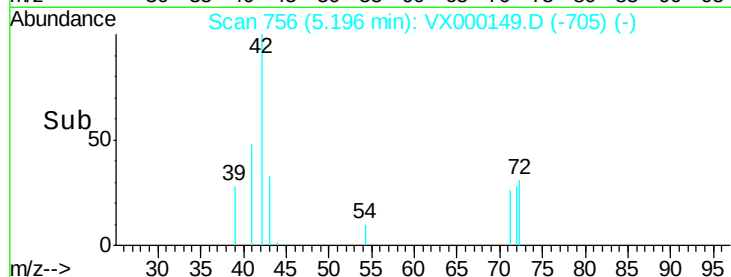
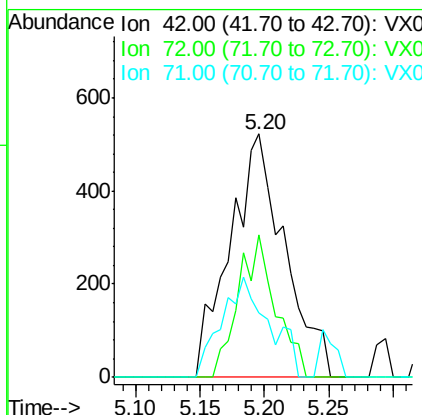
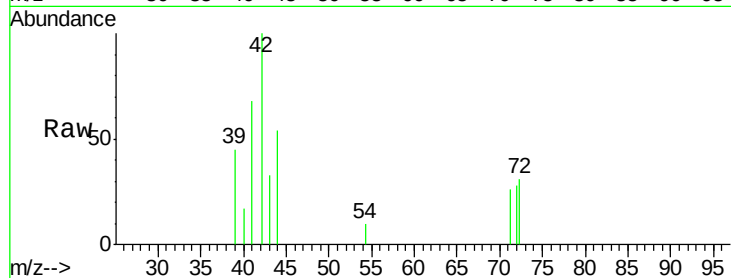
Delta R.T. 0.01 min

Lab File: VX000149.D

Acq: 27 Feb 2018 17:35

Instrument :
ClientSampled :
AFTER-CARBON-1

Tgt Ion:	42	Resp:	1537
Ion	Ratio	Lower	Upper
42	100		
72	39.8	38.6	58.0
71	36.0	36.2	54.4#



#31

Cyclohexane

Concen: 1.74 ug/l

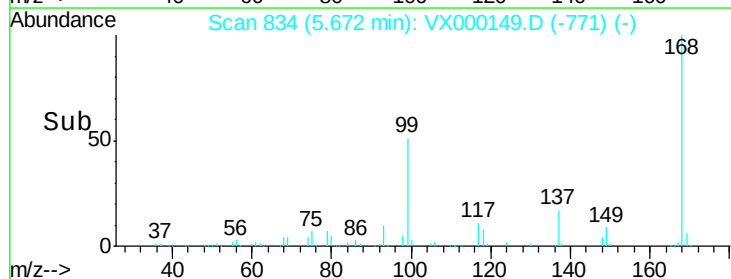
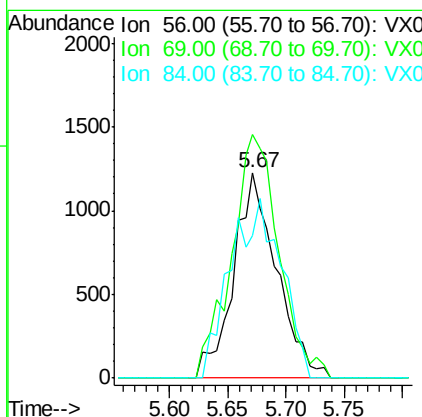
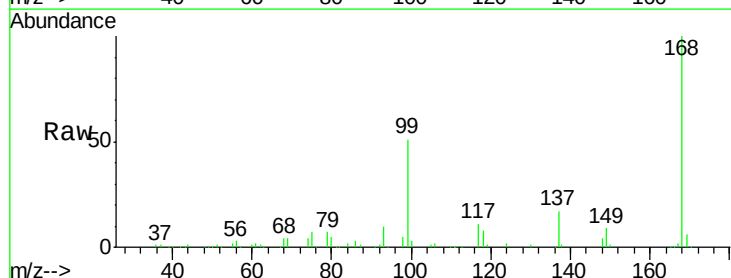
RT: 5.67 min Scan# 834

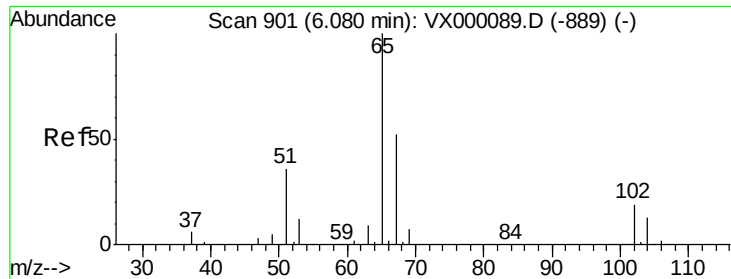
Delta R.T. 0.09 min

Lab File: VX000149.D

Acq: 27 Feb 2018 17:35

Tgt Ion:	56	Resp:	3146
Ion	Ratio	Lower	Upper
56	100		
69	118.4	24.9	37.3#
84	69.2	75.0	112.4#

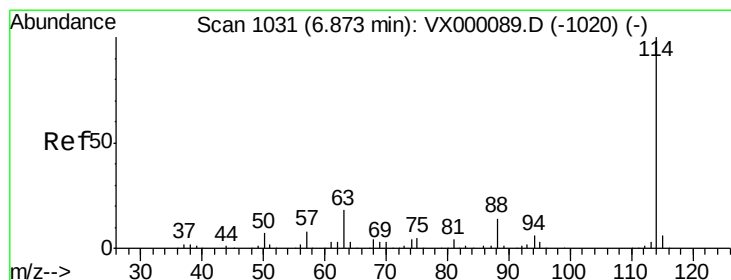
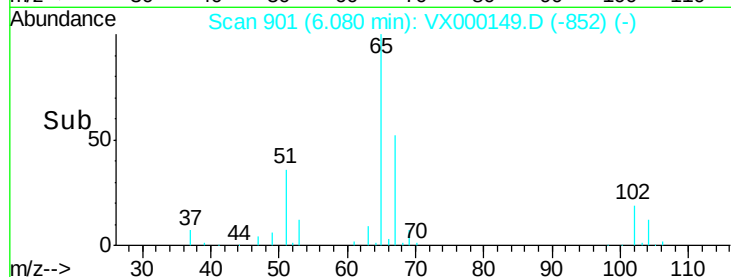
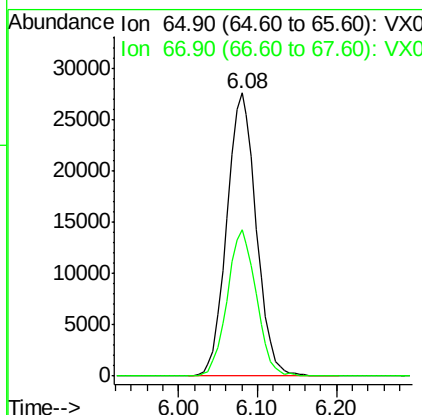
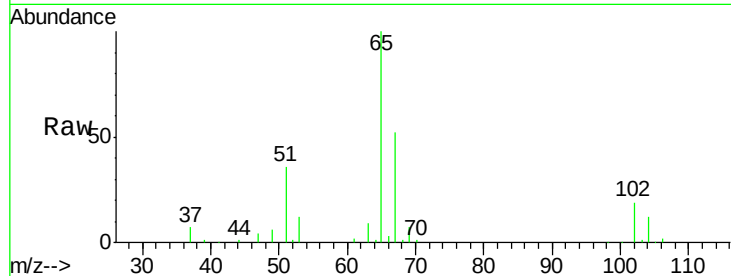




#33
 1,2-Dichloroethane-d4
 Concen: 49.35 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000149.D
 Acq: 27 Feb 2018 17:35

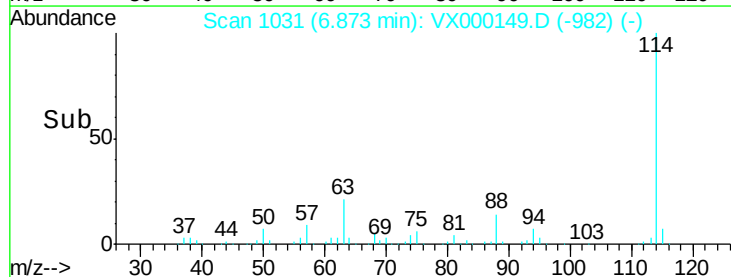
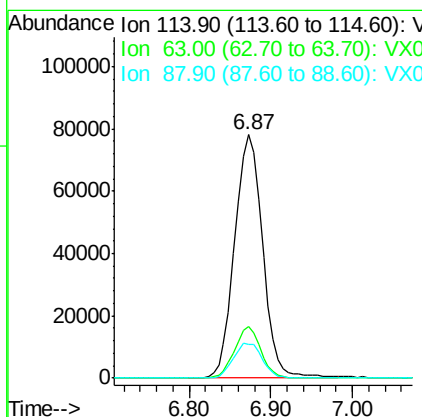
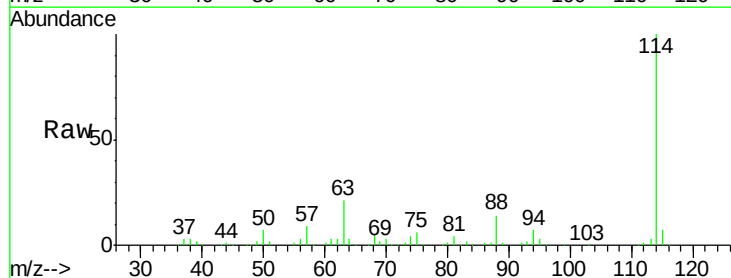
Instrument :
 ClientSampled :
 AFTER-CARBON-1

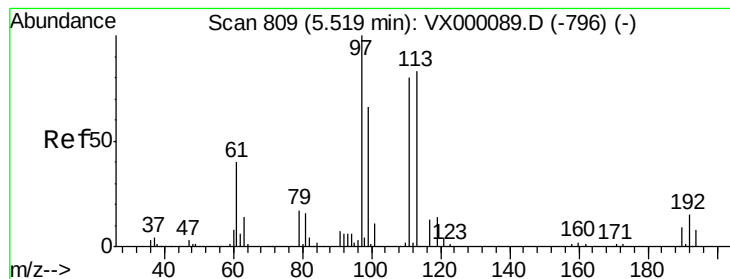
Tgt Ion: 65 Resp: 71334
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000149.D
 Acq: 27 Feb 2018 17:35

Tgt Ion: 114 Resp: 185844
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 36.4
 88 14.0 0.0 29.0





#35

Dibromofluoromethane

Concen: 46.17 ug/l

RT: 5.52 min Scan# 809

Delta R.T. -0.00 min

Lab File: VX000149.D

Acq: 27 Feb 2018 17:35

Instrument :

ClientSampled :

AFTER-CARBON-1

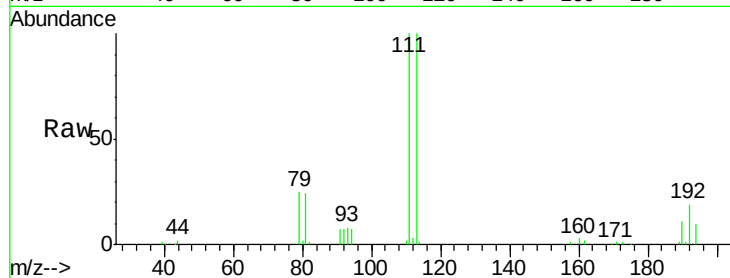
Tgt Ion:113 Resp: 54150

Ion Ratio Lower Upper

113 100

111 101.4 81.0 121.6

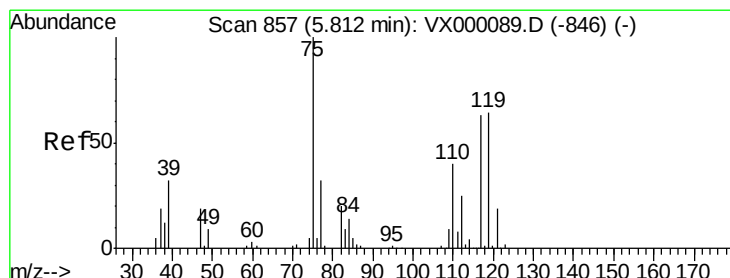
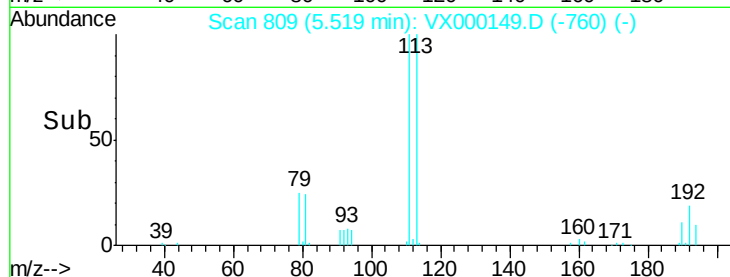
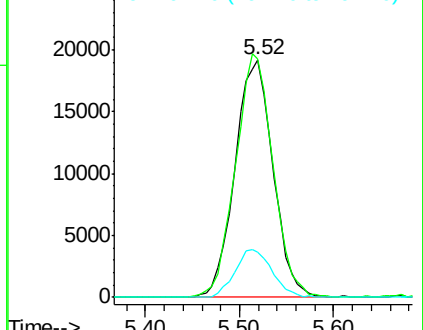
192 19.6 15.7 23.5



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: 5.44 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000149.D

Acq: 27 Feb 2018 17:35

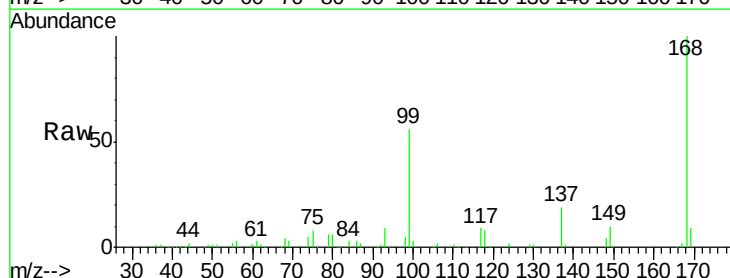
Tgt Ion: 75 Resp: 9078

Ion Ratio Lower Upper

75 100

110 10.6 19.5 58.5#

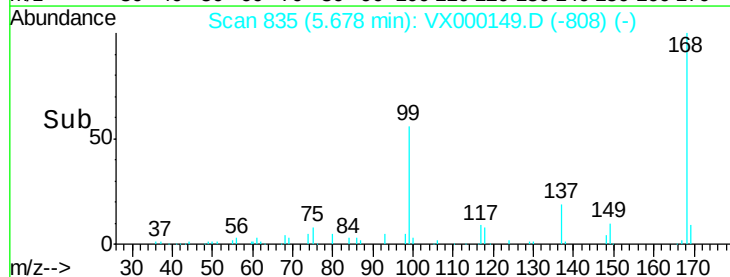
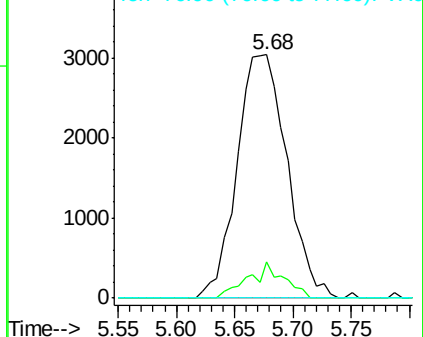
77 0.0 24.7 37.1#

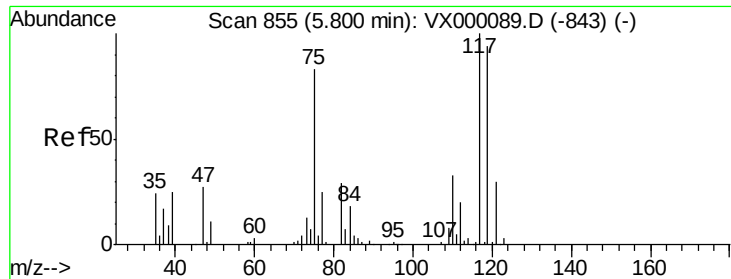


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.59 ug/l

RT: 5.67 min Scan# 834

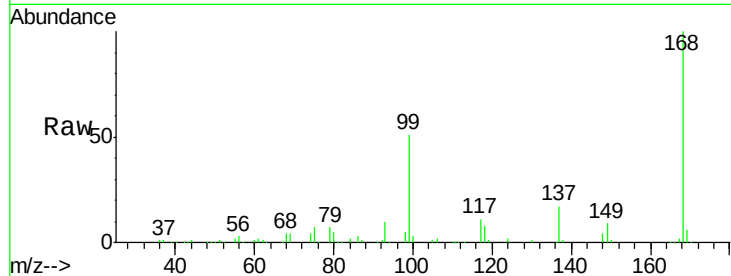
Delta R.T. -0.13 min

Lab File: VX000149.D

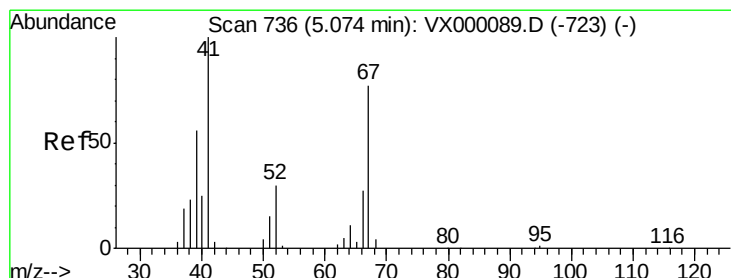
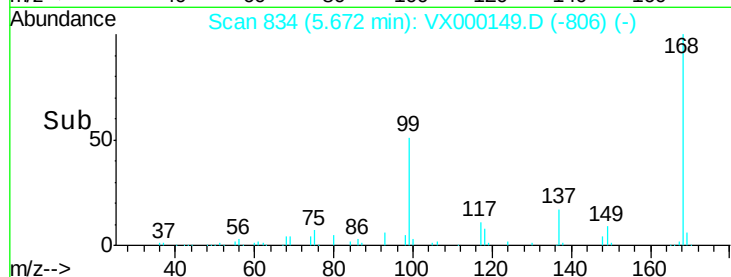
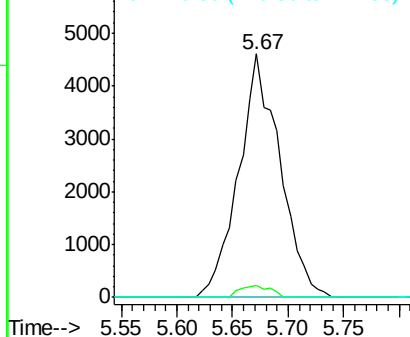
Acq: 27 Feb 2018 17:35

Instrument :
ClientSampleId :
AFTER-CARBON-1

Tgt Ion: 117 Resp: 11863
Ion Ratio Lower Upper
117 100
119 4.7 75.3 112.9#
121 0.0 23.7 35.5#



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



#41

Methacrylonitrile

Concen: Below Cal

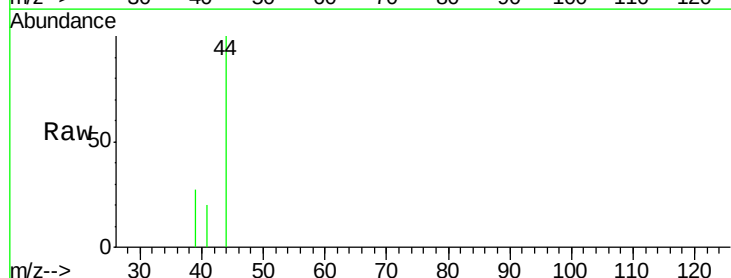
RT: 5.08 min Scan# 737

Delta R.T. 0.01 min

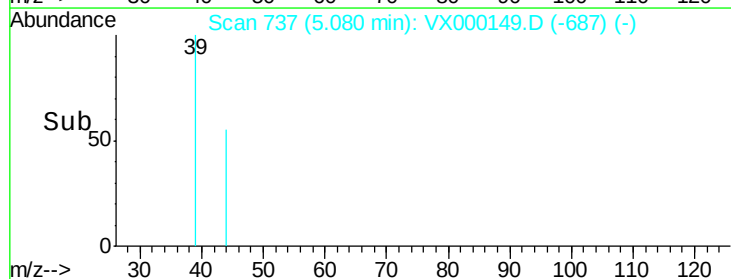
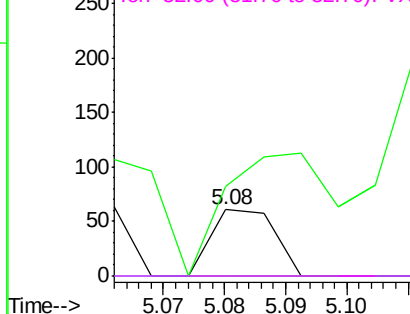
Lab File: VX000149.D

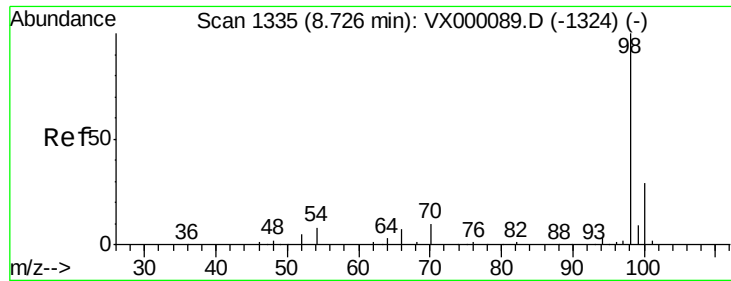
Acq: 27 Feb 2018 17:35

Tgt Ion: 41 Resp: 43
Ion Ratio Lower Upper
41 100
39 314.0 45.1 67.7#
67 0.0 61.0 91.4#
52 0.0 25.8 38.6#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0





#50

Toluene-d8

Concen: 47.86 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000149.D

Acq: 27 Feb 2018 17:35

Instrument :

ClientSampled :

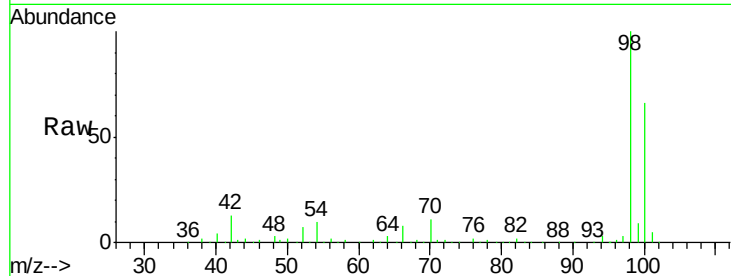
AFTER-CARBON-1

Tgt Ion: 98 Resp: 221460

Ion Ratio Lower Upper

98 100

100 63.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.73

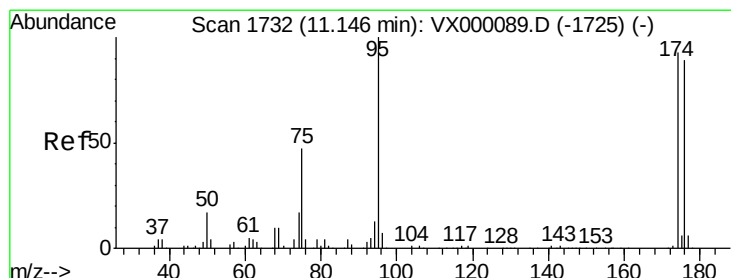
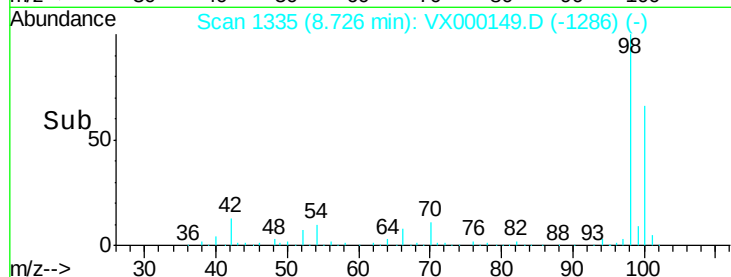
150000

100000

50000

0

Time--> 8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 43.18 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000149.D

Acq: 27 Feb 2018 17:35

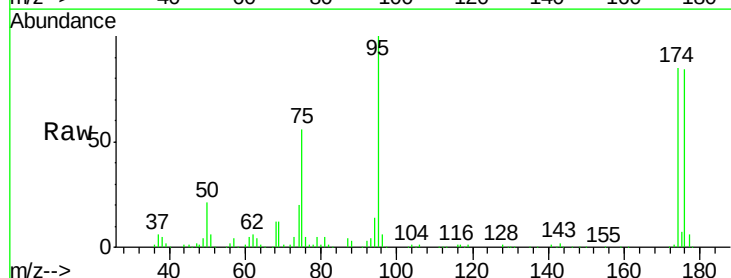
Tgt Ion: 95 Resp: 78347

Ion Ratio Lower Upper

95 100

174 85.6 0.0 187.8

176 84.5 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.15

80000

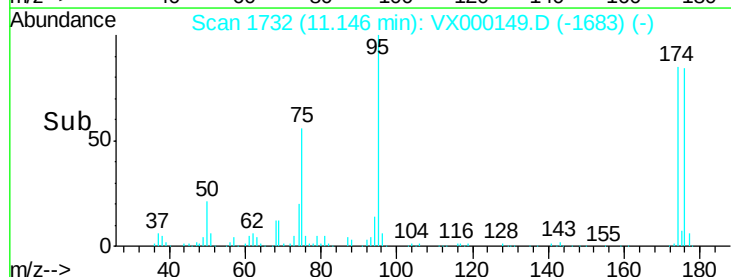
60000

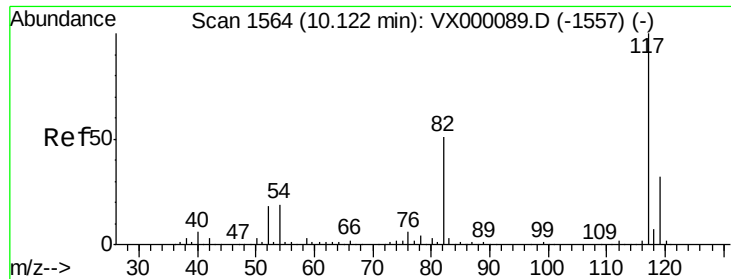
40000

20000

0

Time--> 11.10 11.15 11.20

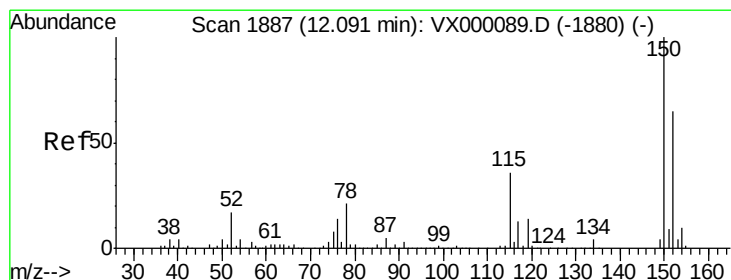
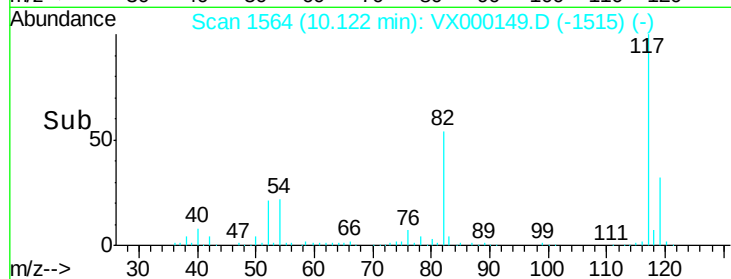
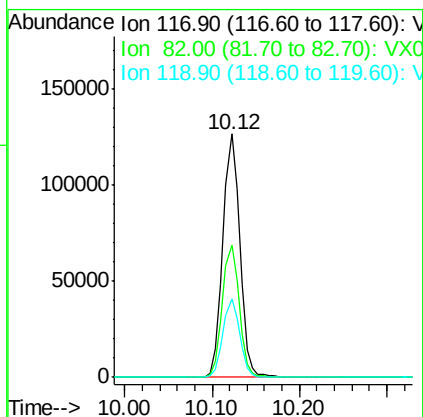
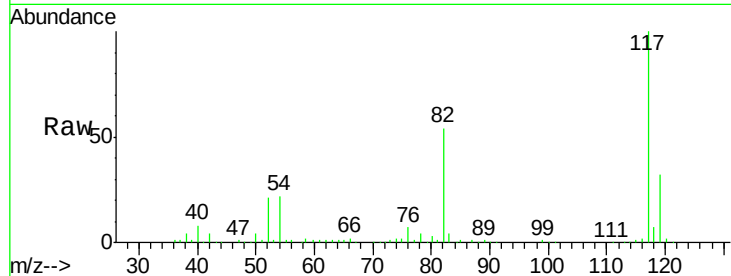




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VX000149.D
 Acq: 27 Feb 2018 17:35

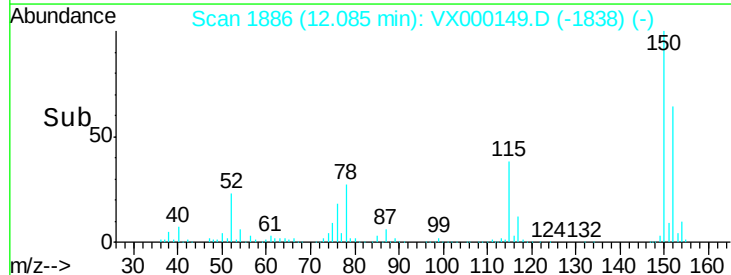
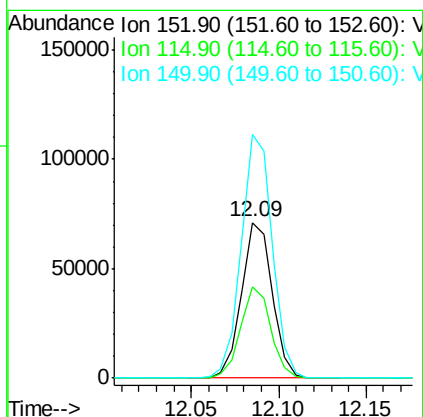
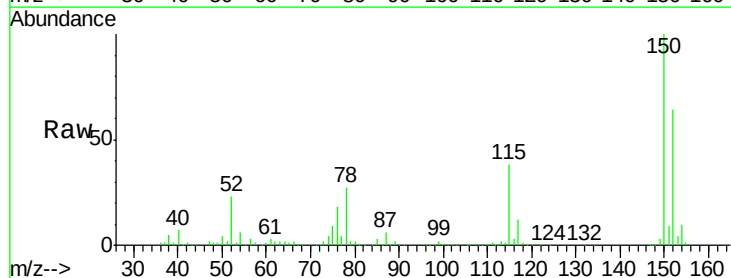
Instrument :
 ClientSampled :
 AFTER-CARBON-1

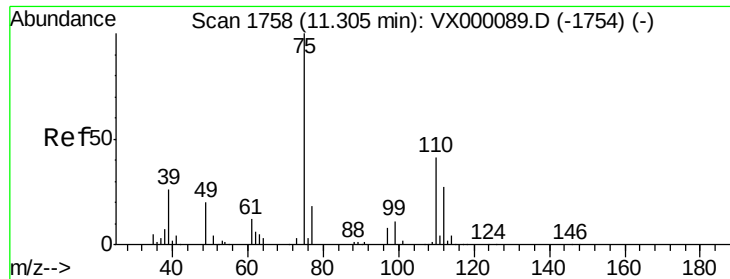
Tgt Ion:117 Resp: 169931
 Ion Ratio Lower Upper
 117 100
 82 54.3 41.0 61.6
 119 32.0 25.5 38.3



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.09 min Scan# 1886
 Delta R.T. -0.01 min
 Lab File: VX000149.D
 Acq: 27 Feb 2018 17:35

Tgt Ion:152 Resp: 86708
 Ion Ratio Lower Upper
 152 100
 115 57.6 39.1 117.2
 150 158.3 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 24.63 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000149.D

Acq: 27 Feb 2018 17:35

Instrument :

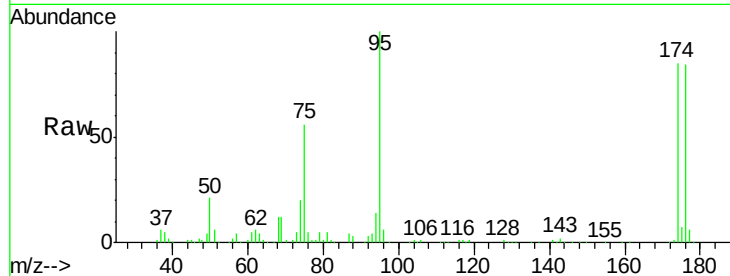
ClientSampled :
AFTER-CARBON-1

Tgt Ion: 75 Resp: 44238

Ion Ratio Lower Upper

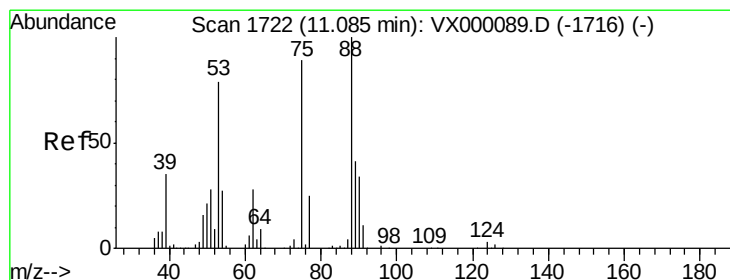
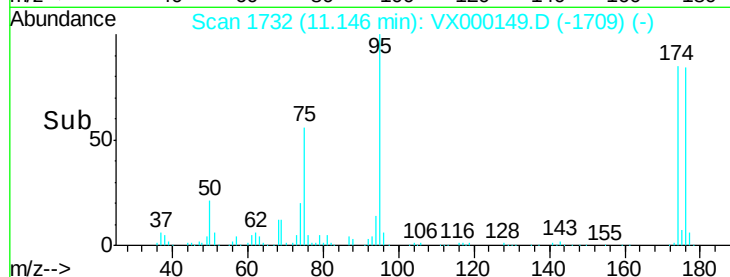
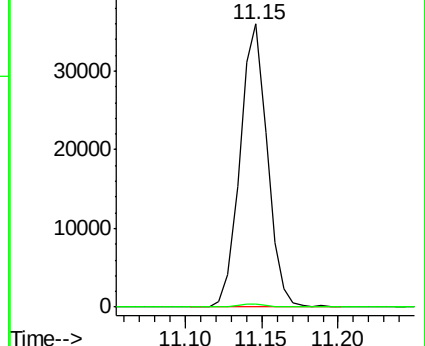
75 100

77 1.2 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 70.15 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000149.D

Acq: 27 Feb 2018 17:35

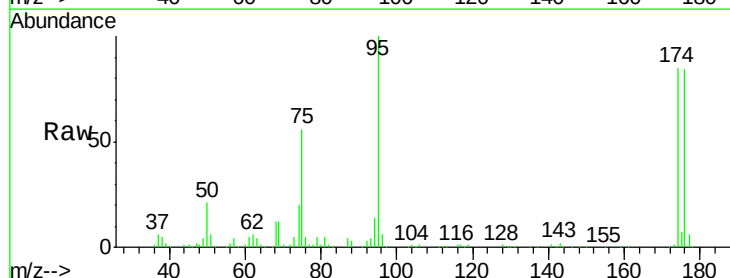
Tgt Ion: 75 Resp: 44238

Ion Ratio Lower Upper

75 100

53 0.1 72.3 108.5#

89 0.0 40.6 60.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

