

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050618\
 Data File : VX001449.D
 Acq On : 06 May 2018 17:31
 Operator : JC/MD
 Sample : J2659-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP04-20180428

Quant Time: May 07 07:10:44 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	285940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	390380	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	341947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	187097	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	251541	61.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.40%	
35) Dibromofluoromethane	5.51	113	193881	55.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.68%	
50) Toluene-d8	8.72	98	658751	51.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.94%	
62) 4-Bromofluorobenzene	11.14	95	218893	44.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.98%	

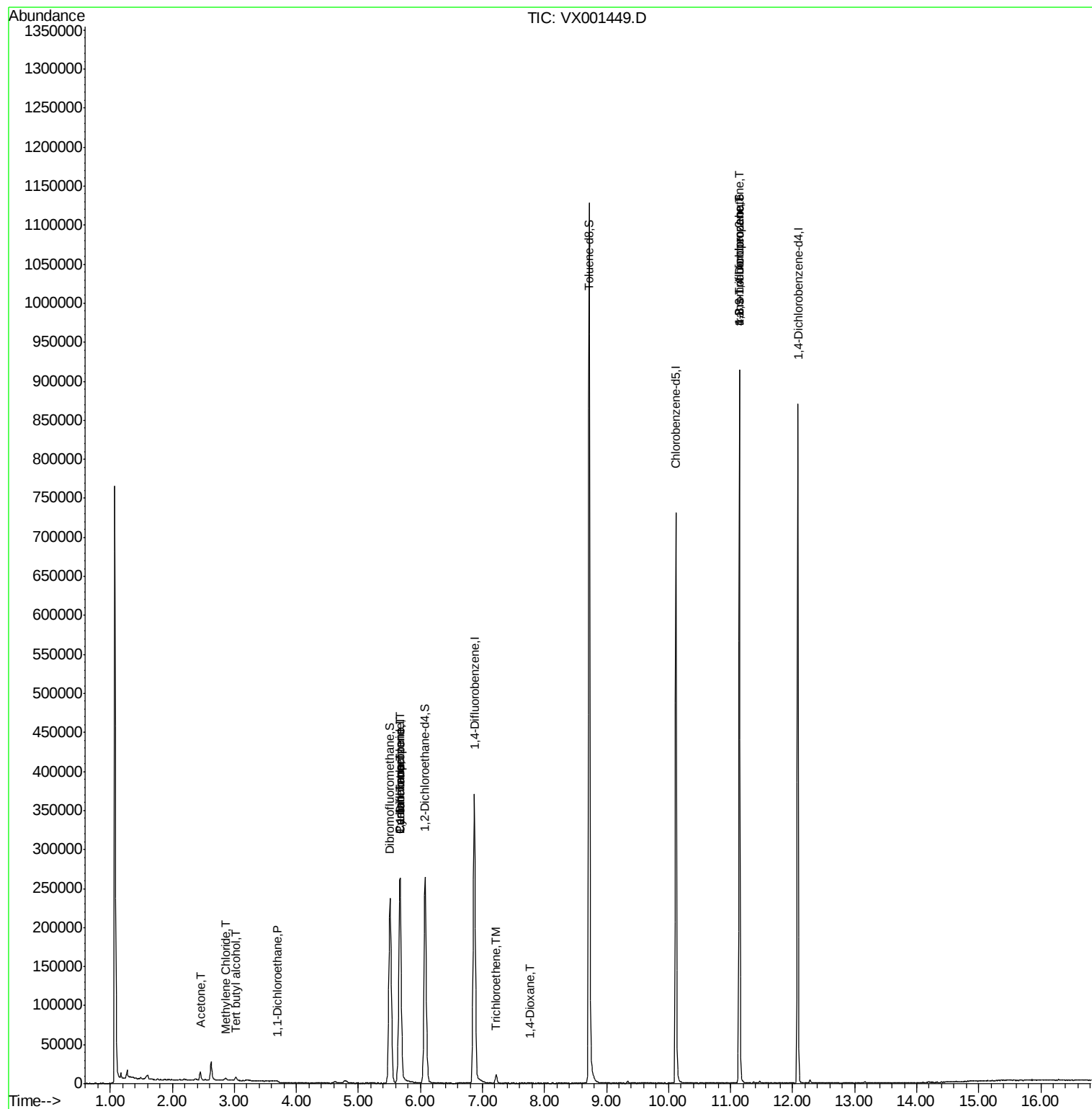
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	402	Below Cal		90
11) Tert butyl alcohol	3.02	59	2480	2.86 ug/l	#	84
13) Acrolein	2.31	56	87	Below Cal	#	16
16) Acetone	2.45	43	10781	5.78 ug/l		99
20) Methylene Chloride	2.86	84	1170	0.32 ug/l		92
24) 1,1-Dichloroethane	3.70	63	1783	0.29 ug/l	#	92
31) Cyclohexane	5.67	56	5192	0.98 ug/l	#	33
36) 1,1-Dichloropropene	5.67	75	17845	3.59 ug/l	#	50
38) Carbon Tetrachloride	5.67	117	25050	4.73 ug/l	#	16
44) Trichloroethene	7.22	130	4224	0.95 ug/l		85
49) 1,4-Dioxane	7.77	88	237	2.41 ug/l	#	50
76) 1,2,3-Trichloropropane	11.14	75	110628	29.15 ug/l	#	38
81) trans-1,4-Dichloro-2-buten	11.14	75	110628	89.27 ug/l	#	7

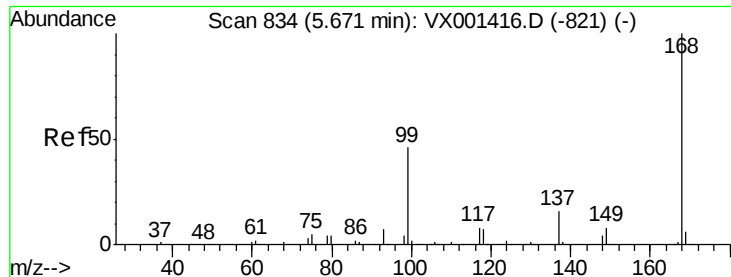
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001449.D

Acq: 06 May 2018 17:31

Instrument :

MSVOA_X

ClientSampleId :

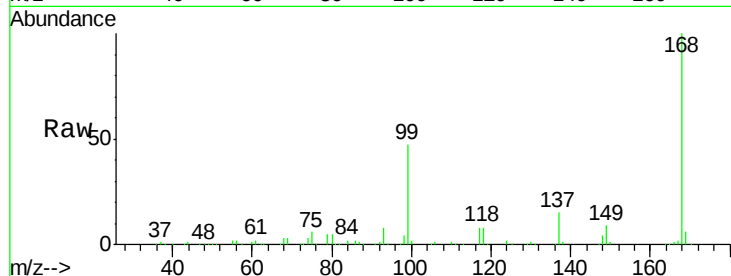
BP-DUP04-20180428

Tgt Ion:168 Resp: 285940

Ion Ratio Lower Upper

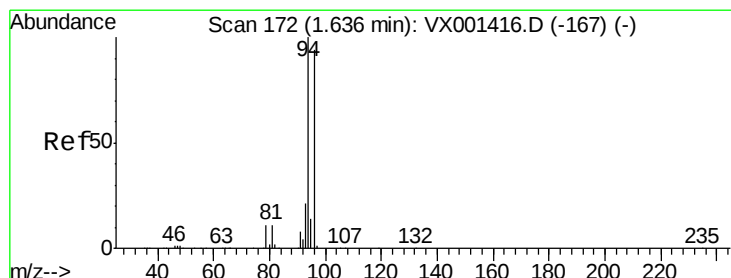
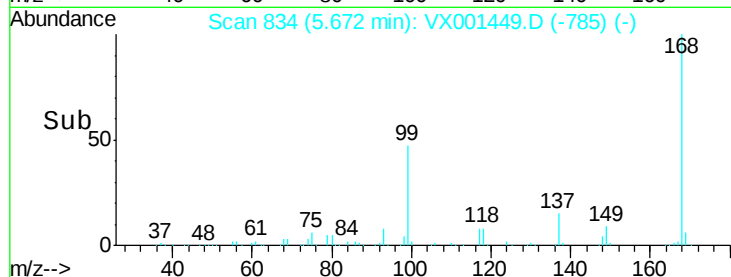
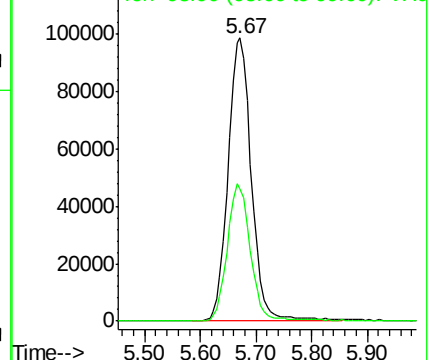
168 100

99 46.6 36.6 54.8



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: VX001449.D

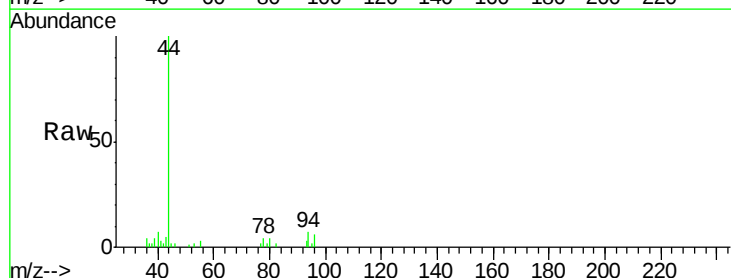
Acq: 06 May 2018 17:31

Tgt Ion: 94 Resp: 402

Ion Ratio Lower Upper

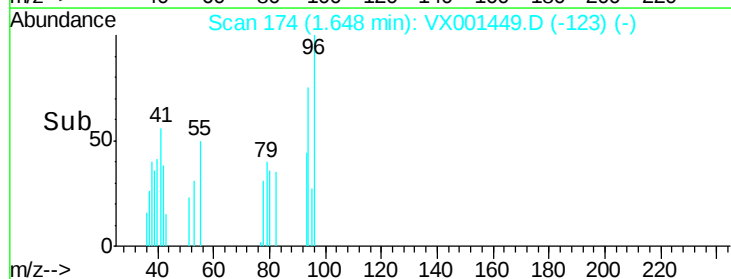
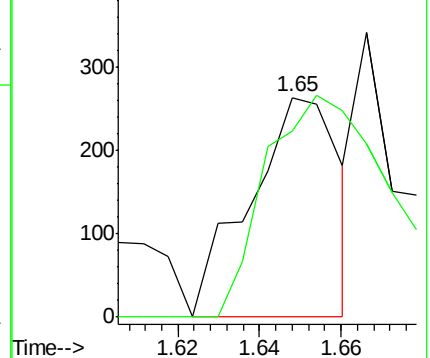
94 100

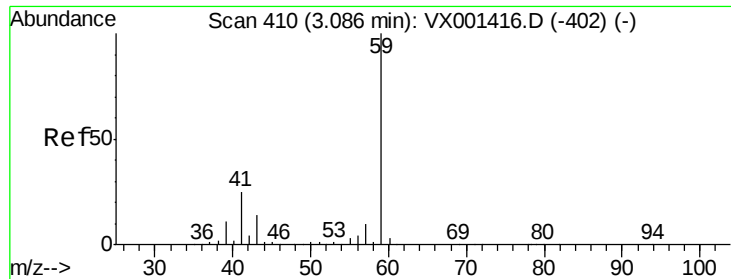
96 84.4 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

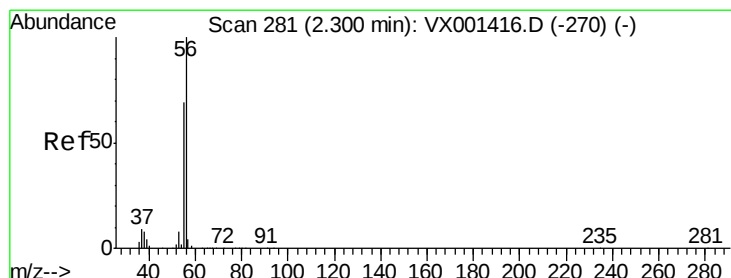
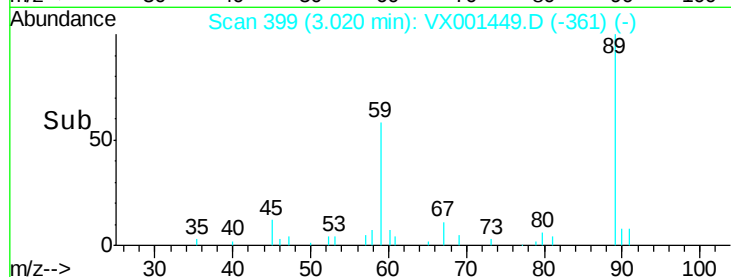
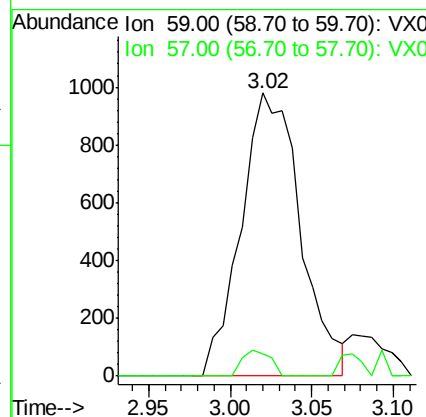
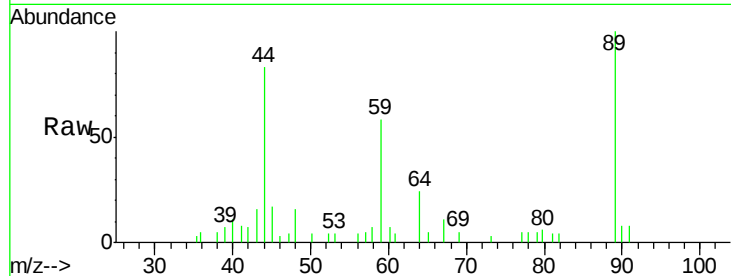




#11
Tert butyl alcohol
Concen: 2.86 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.07 min
Lab File: VX001449.D
Acq: 06 May 2018 17:31

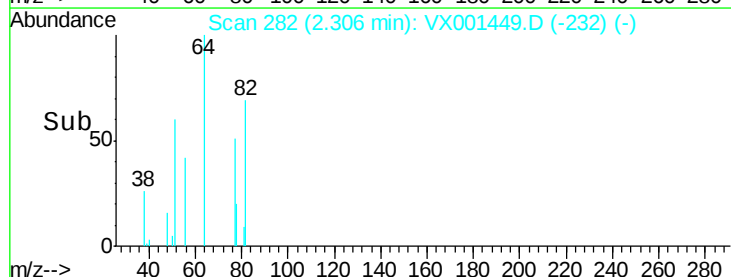
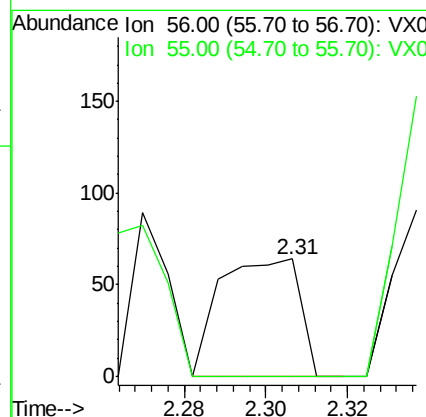
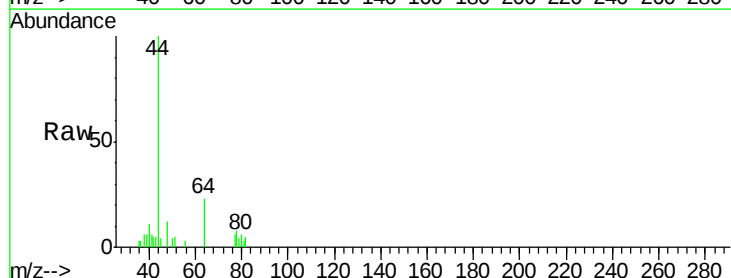
Instrument :
MSVOA_X
ClientSampleId :
BP-DUP04-20180428

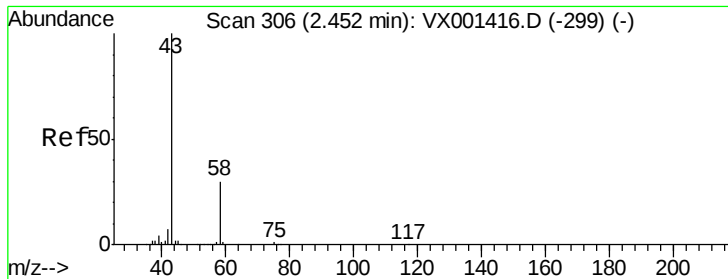
Tgt Ion: 59 Resp: 2480
Ion Ratio Lower Upper
59 100
57 4.3 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX001449.D
Acq: 06 May 2018 17:31

Tgt Ion: 56 Resp: 87
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#





#16

Acetone

Concen: 5.78 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001449.D

Acq: 06 May 2018 17:31

Instrument :

MSVOA_X

ClientSampleId :

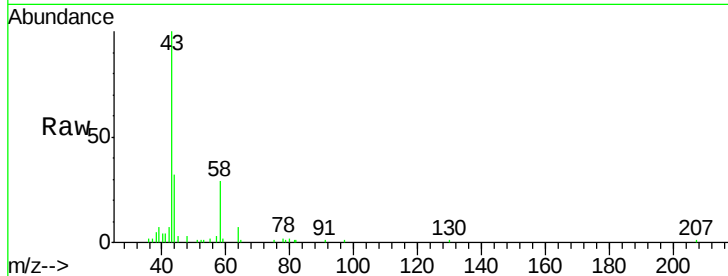
BP-DUP04-20180428

Tgt Ion: 43 Resp: 10781

Ion Ratio Lower Upper

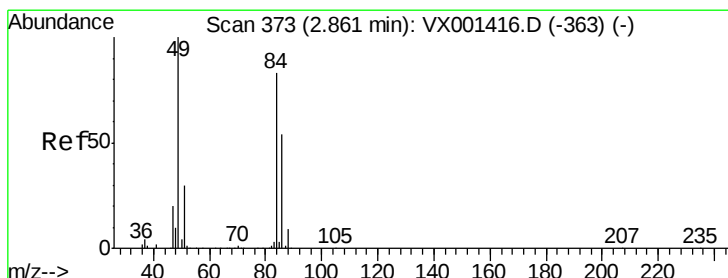
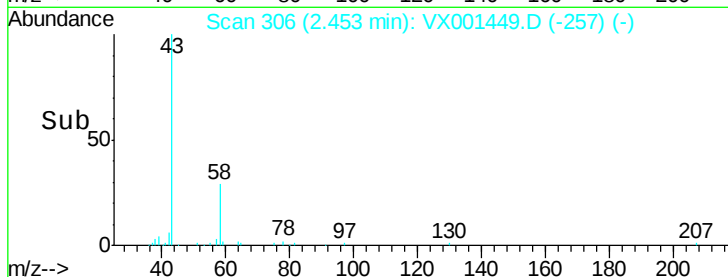
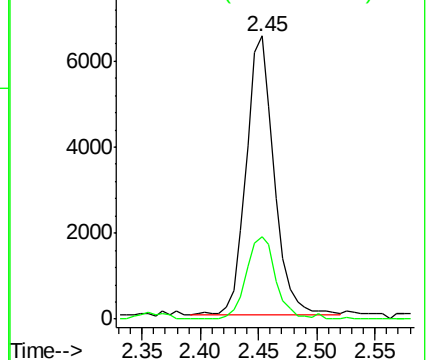
43 100

58 29.5 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.32 ug/l

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX001449.D

Acq: 06 May 2018 17:31

Tgt Ion: 84 Resp: 1170

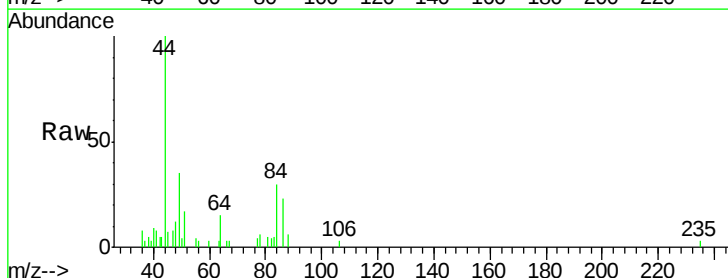
Ion Ratio Lower Upper

84 100

49 118.6 96.6 144.8

51 42.7 29.0 43.4

86 78.2 52.2 78.4

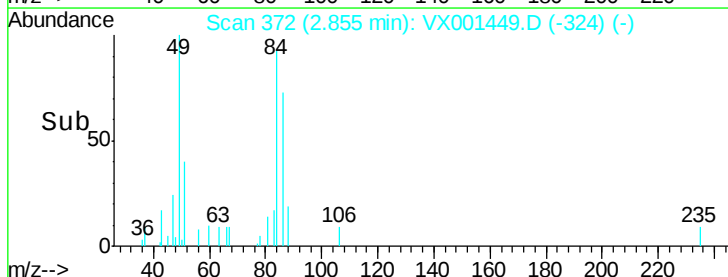
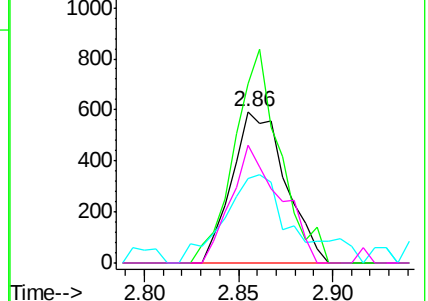


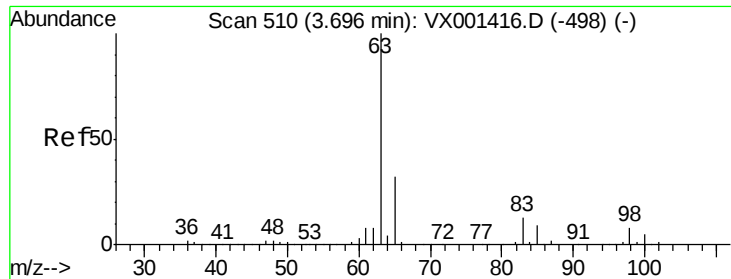
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#24

1,1-Dichloroethane

Concen: 0.29 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001449.D

Acq: 06 May 2018 17:31

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP04-20180428

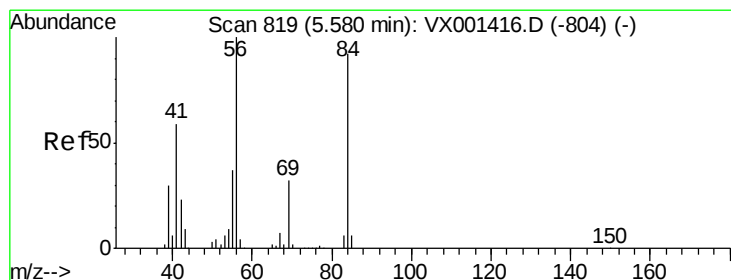
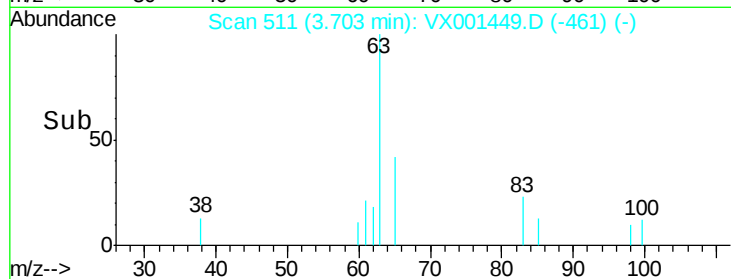
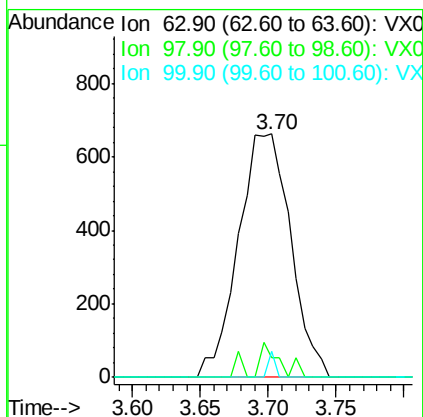
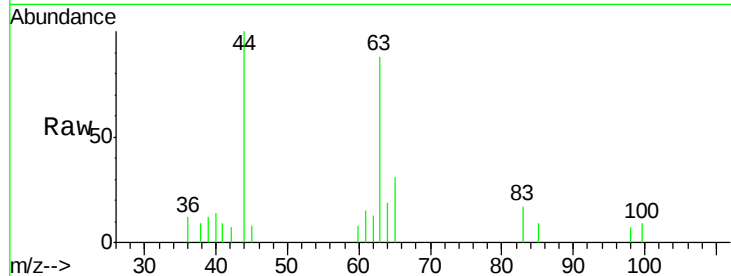
Tgt Ion: 63 Resp: 1783

Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.4

100 10.4 2.4 7.1#



#31

Cyclohexane

Concen: 0.98 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001449.D

Acq: 06 May 2018 17:31

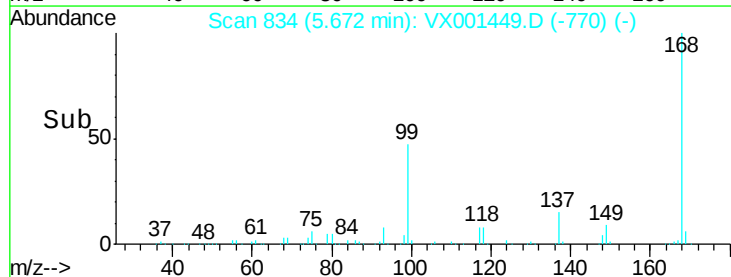
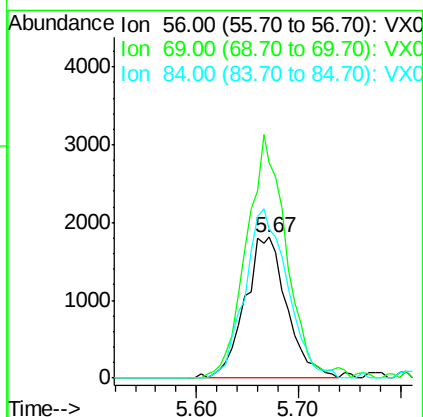
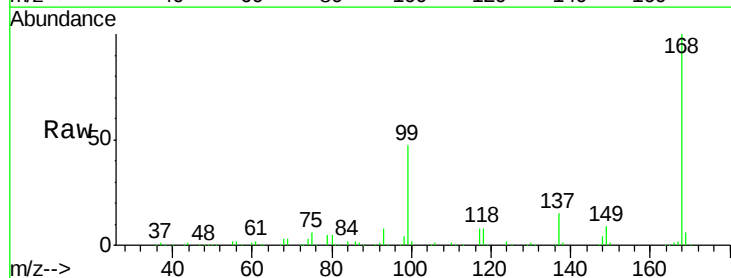
Tgt Ion: 56 Resp: 5192

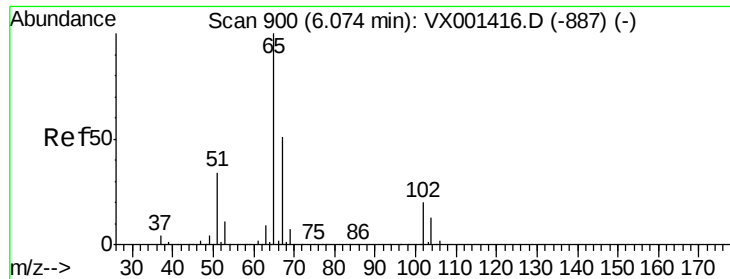
Ion Ratio Lower Upper

56 100

69 153.1 25.4 38.0#

84 106.1 73.8 110.8

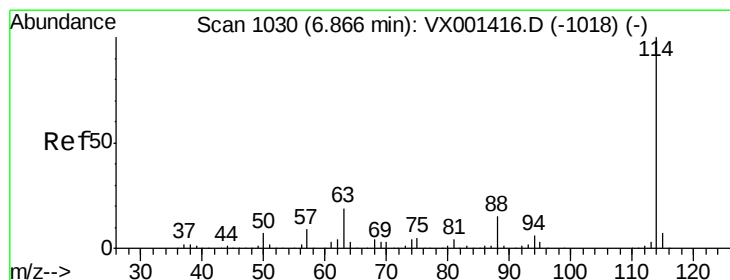
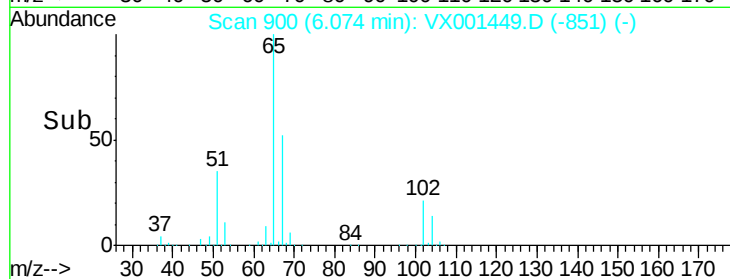
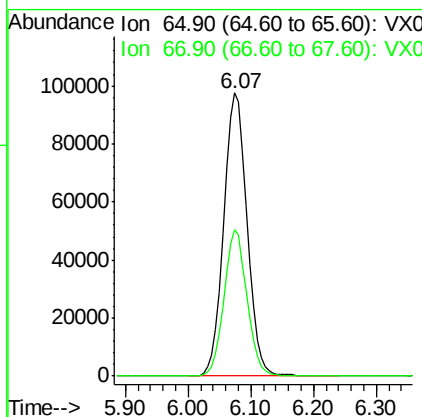
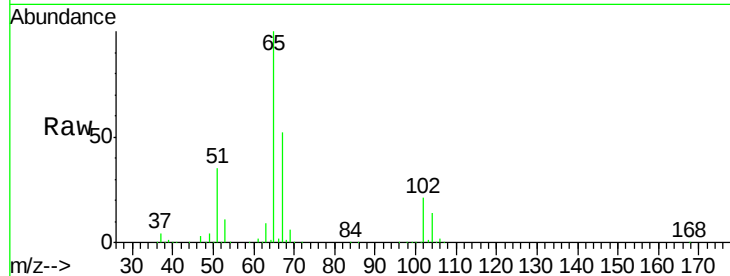




#33
 1,2-Dichloroethane-d4
 Concen: 61.20 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001449.D
 Acq: 06 May 2018 17:31

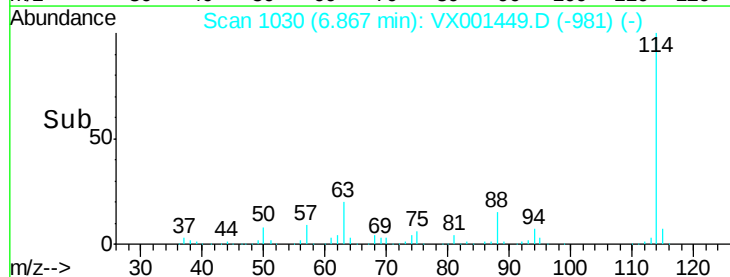
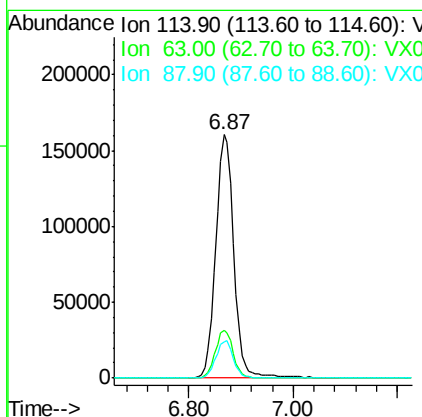
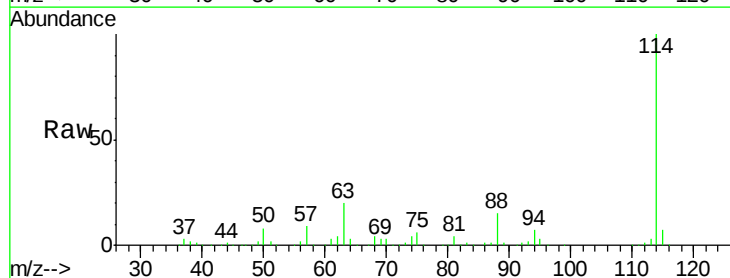
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP04-20180428

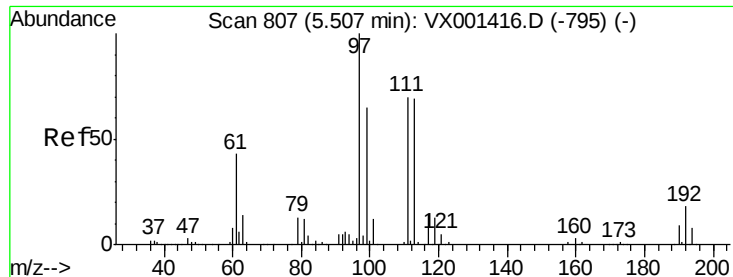
Tgt Ion: 65 Resp: 251541
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001449.D
 Acq: 06 May 2018 17:31

Tgt Ion: 114 Resp: 390380
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.6
 88 15.0 0.0 30.8





#35

Dibromofluoromethane

Concen: 55.84 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001449.D

Acq: 06 May 2018 17:31

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP04-20180428

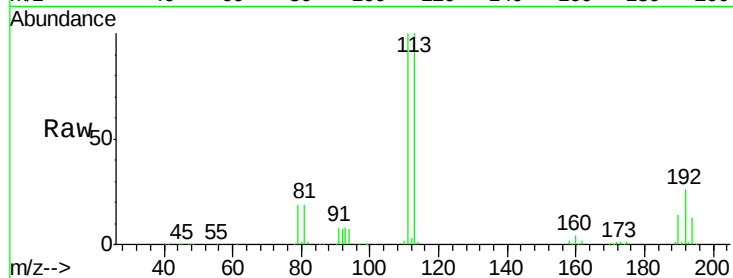
Tgt Ion:113 Resp: 193881

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.2

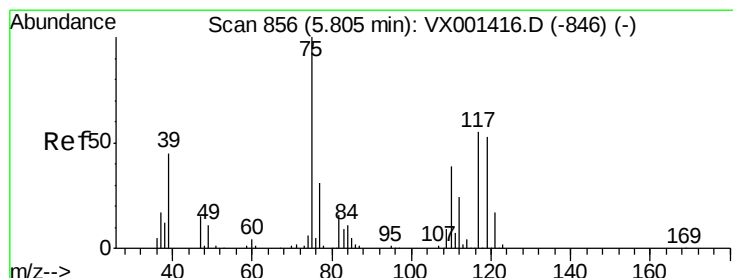
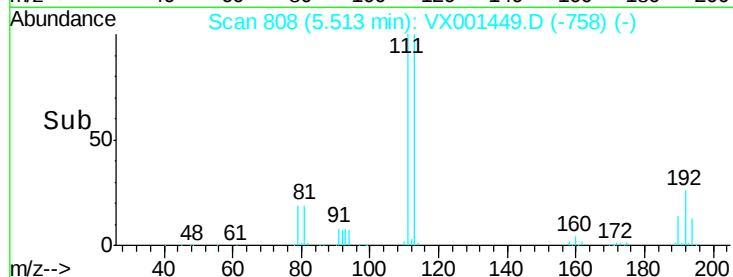
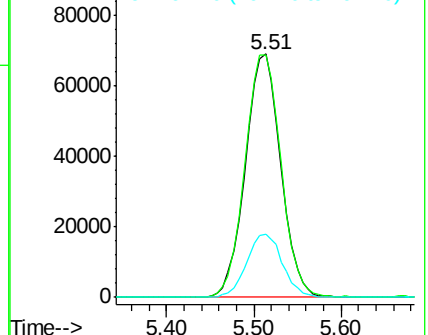
192 26.3 21.4 32.0



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: 3.59 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001449.D

Acq: 06 May 2018 17:31

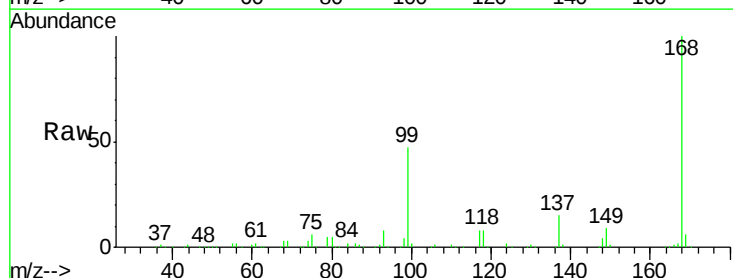
Tgt Ion: 75 Resp: 17845

Ion Ratio Lower Upper

75 100

110 10.9 18.9 56.7#

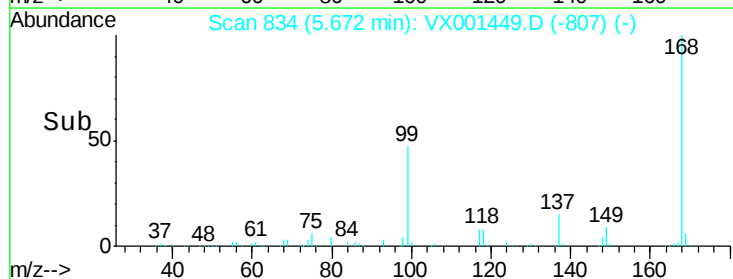
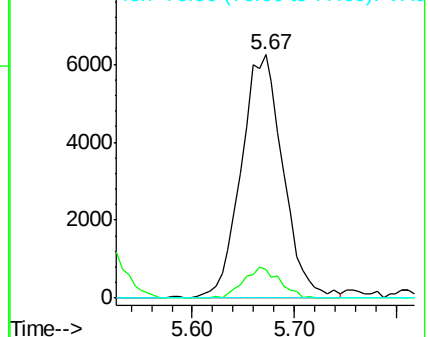
77 0.0 24.9 37.3#

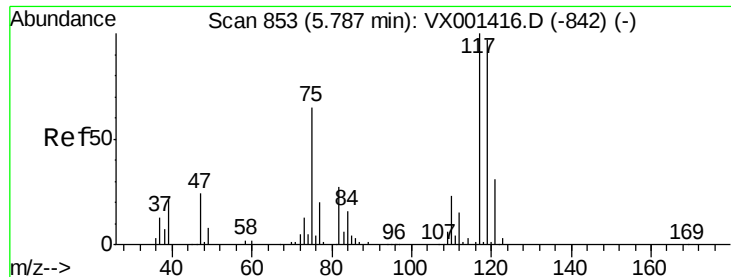


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.73 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001449.D

Acq: 06 May 2018 17:31

Instrument :

MSVOA_X

ClientSampleId :

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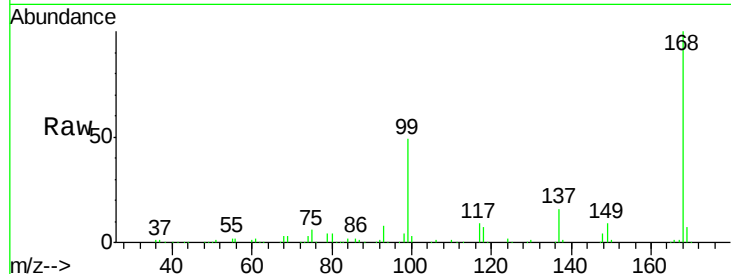
Tgt Ion:117 Resp: 25050

Ion Ratio Lower Upper

117 100

119 5.5 77.0 115.6#

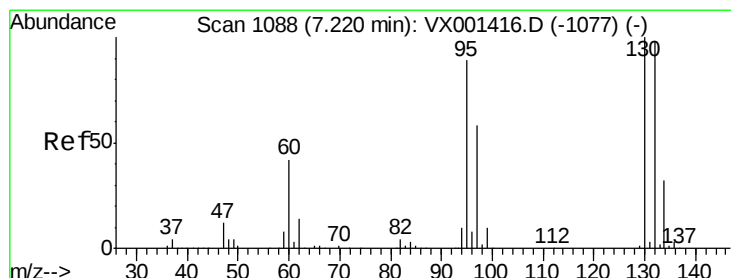
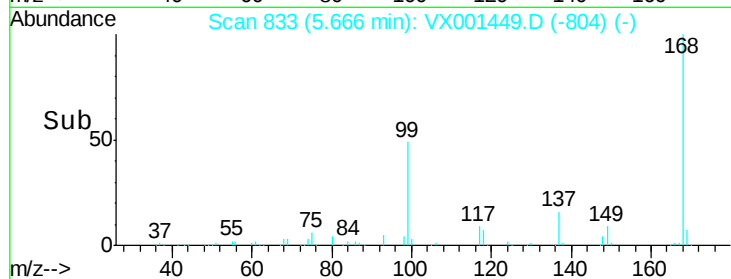
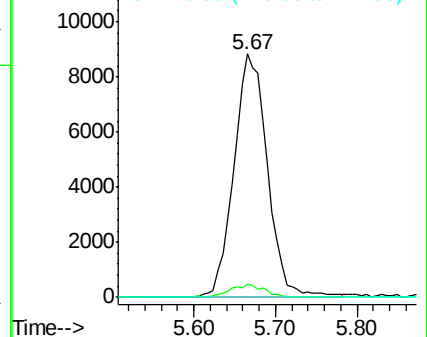
121 0.0 25.1 37.7#



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



#44

Trichloroethene

Concen: 0.95 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001449.D

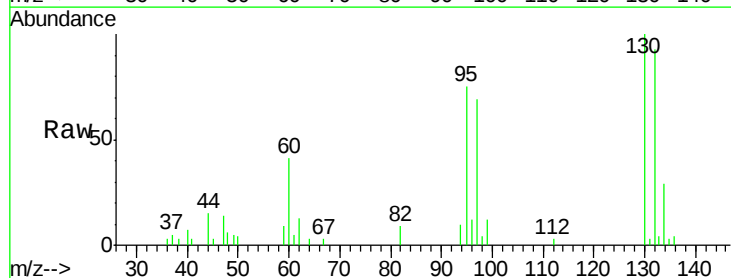
Acq: 06 May 2018 17:31

Tgt Ion:130 Resp: 4224

Ion Ratio Lower Upper

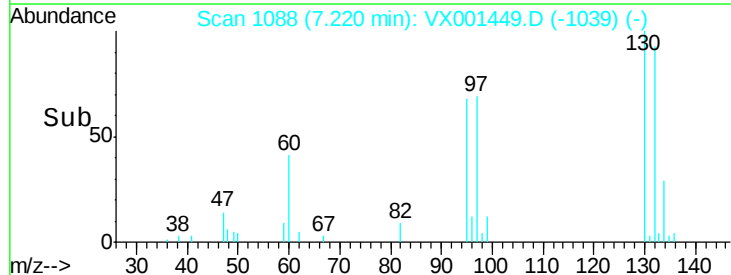
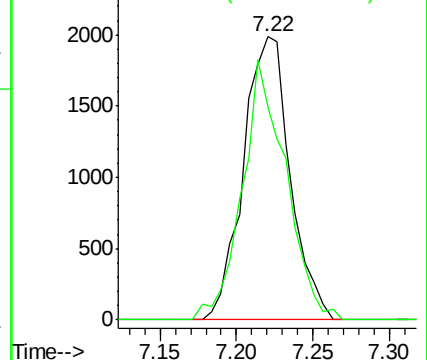
130 100

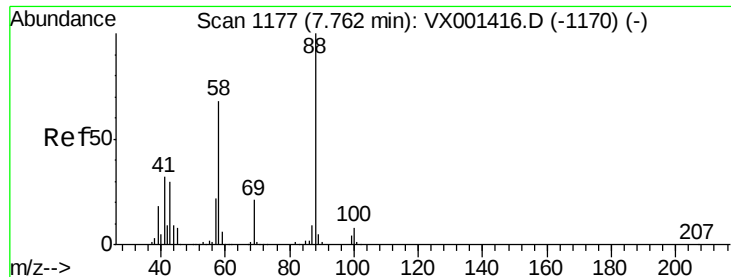
95 75.1 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

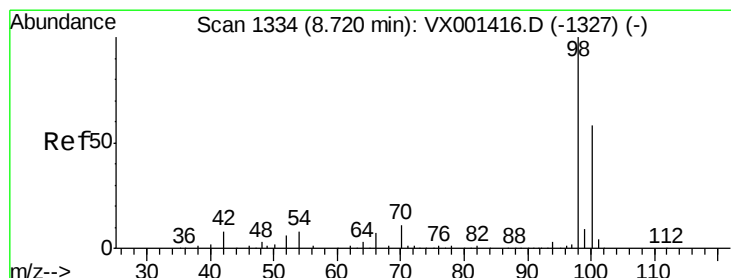
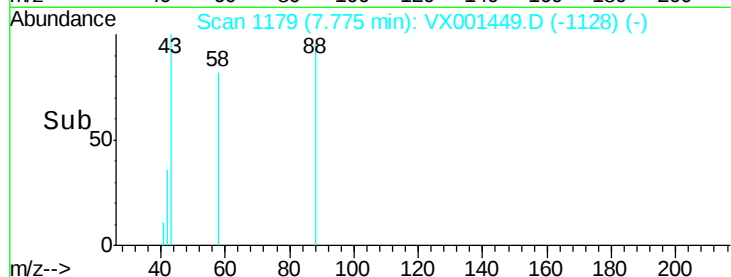
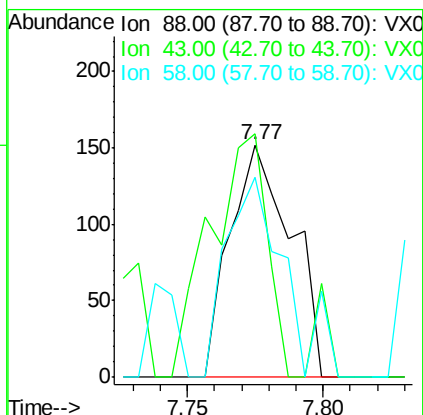
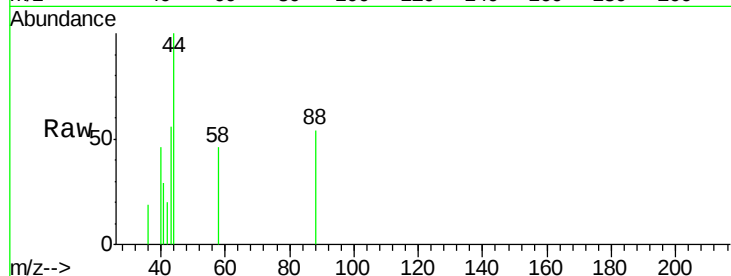




#49
1,4-Dioxane
Concen: 2.41 ug/l
RT: 7.77 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VX001449.D
Acq: 06 May 2018 17:31

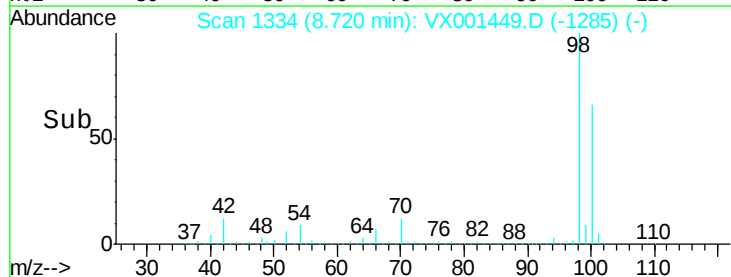
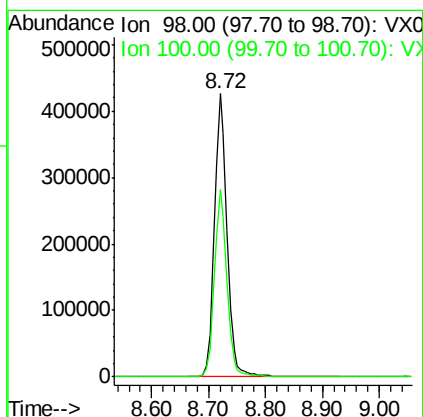
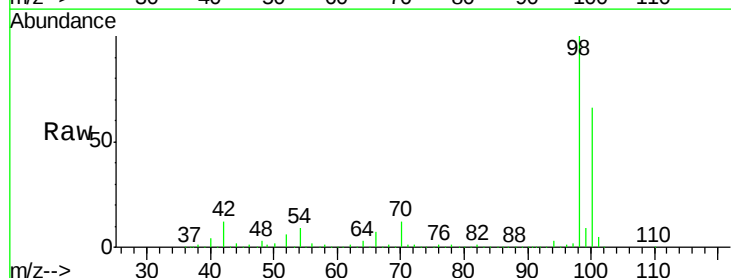
Instrument :
MSVOA_X
ClientSampleId :
BP-DUP04-20180428

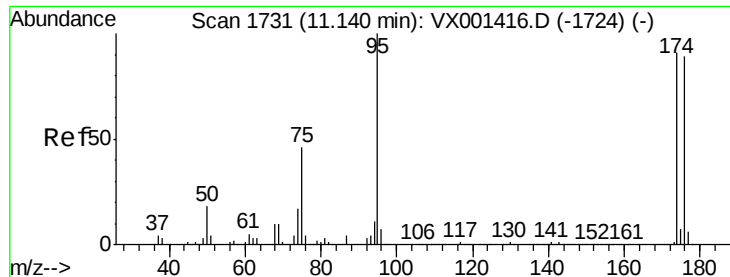
Tgt Ion: 88 Resp: 237
Ion Ratio Lower Upper
88 100
43 97.0 26.4 39.6#
58 82.7 54.1 81.1#



#50
Toluene-d8
Concen: 51.97 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001449.D
Acq: 06 May 2018 17:31

Tgt Ion: 98 Resp: 658751
Ion Ratio Lower Upper
98 100
100 66.1 54.0 81.0

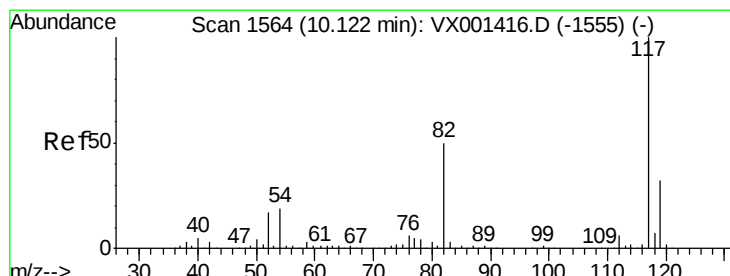
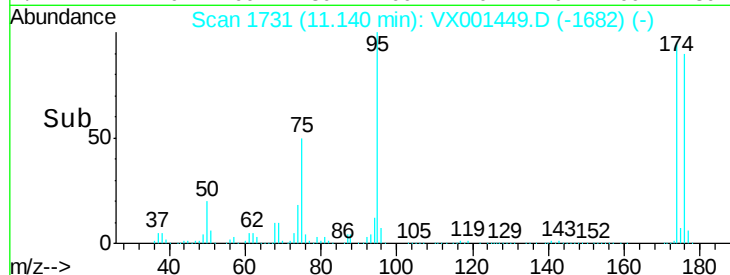
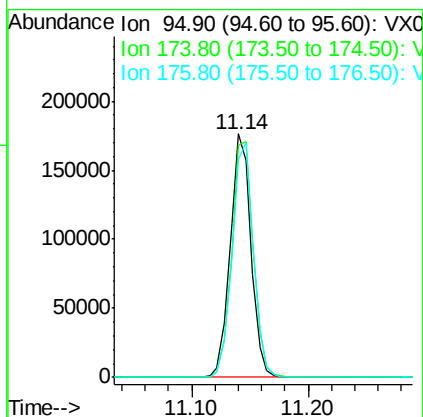
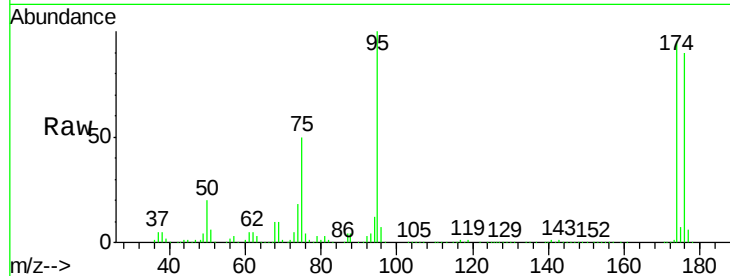




#62
4-Bromofluorobenzene
Concen: 44.99 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001449.D
Acq: 06 May 2018 17:31

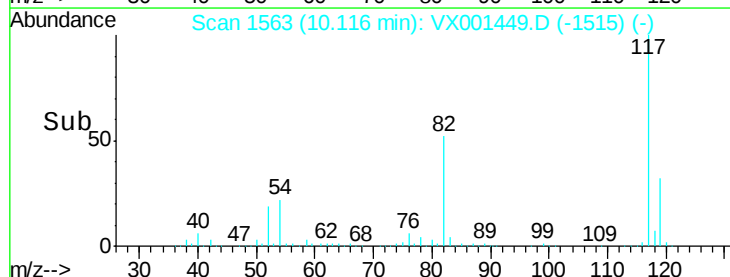
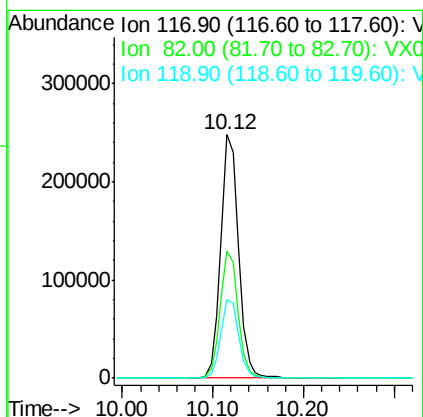
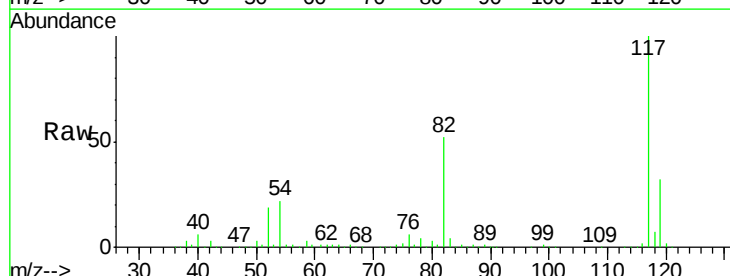
Instrument :
MSVOA_X
ClientSampleId :
BP-DUP04-20180428

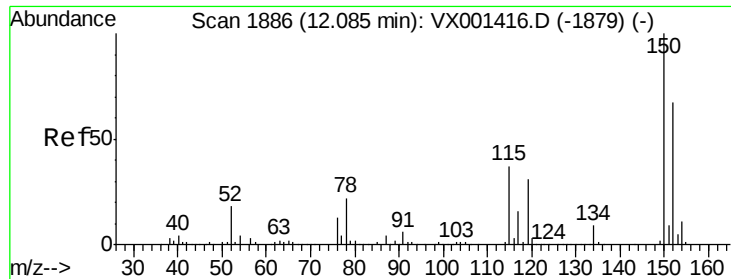
Tgt Ion: 95 Resp: 218893
Ion Ratio Lower Upper
95 100
174 101.3 0.0 202.0
176 98.6 0.0 197.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001449.D
Acq: 06 May 2018 17:31

Tgt Ion: 117 Resp: 341947
Ion Ratio Lower Upper
117 100
82 52.1 40.0 60.0
119 32.3 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001449.D

Acq: 06 May 2018 17:31

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP04-20180428

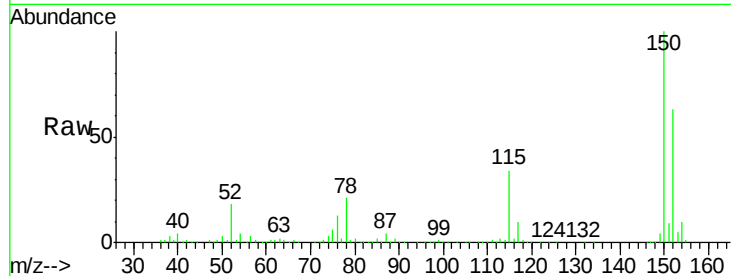
Tgt Ion:152 Resp: 187097

Ion Ratio Lower Upper

152 100

115 52.8 37.7 113.1

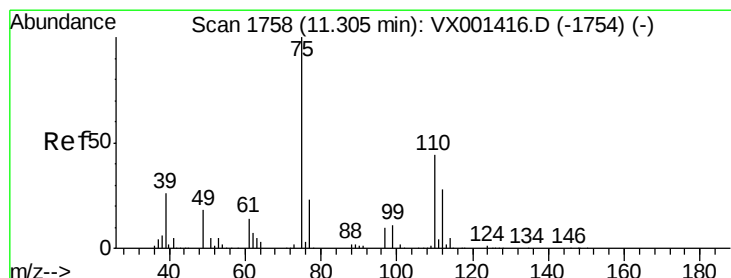
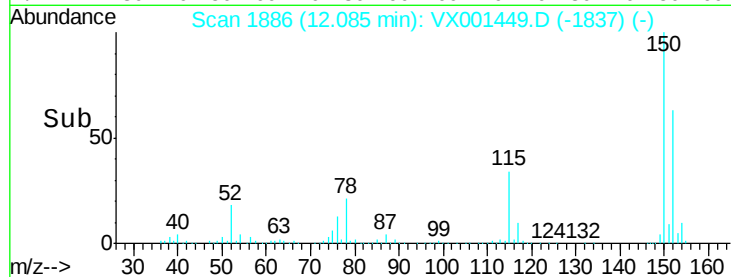
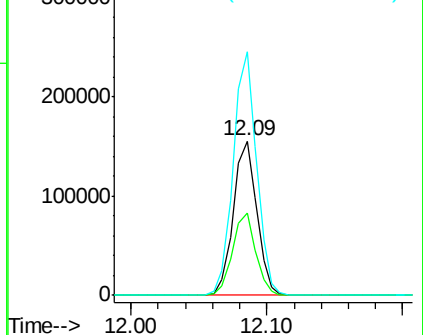
150 156.7 0.0 349.4



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: 29.15 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001449.D

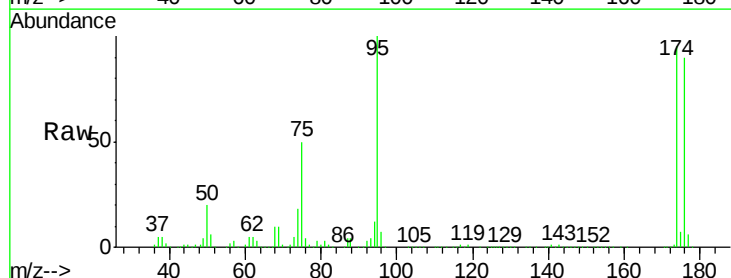
Acq: 06 May 2018 17:31

Tgt Ion: 75 Resp: 110628

Ion Ratio Lower Upper

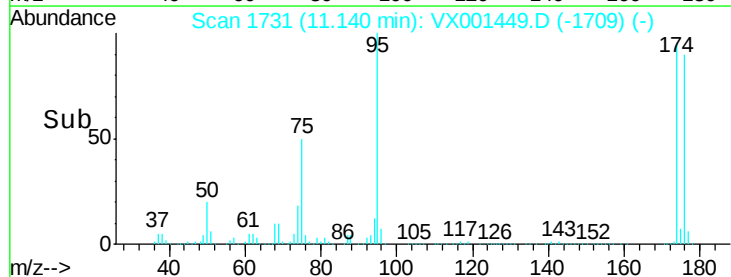
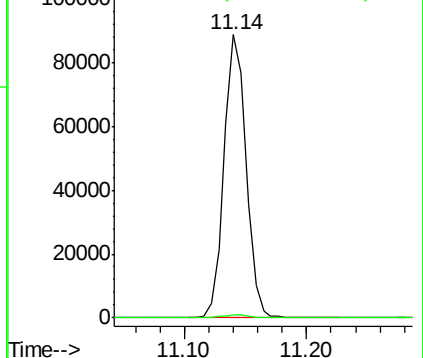
75 100

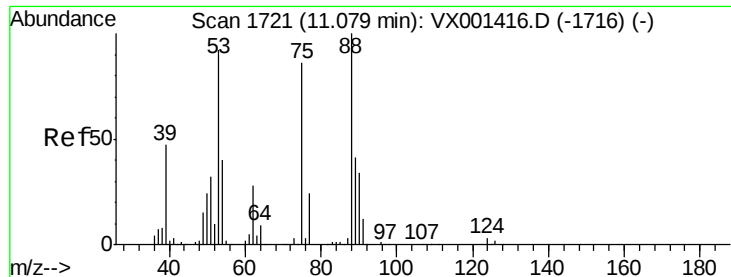
77 1.3 19.6 58.7#



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: 89.27 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001449.D

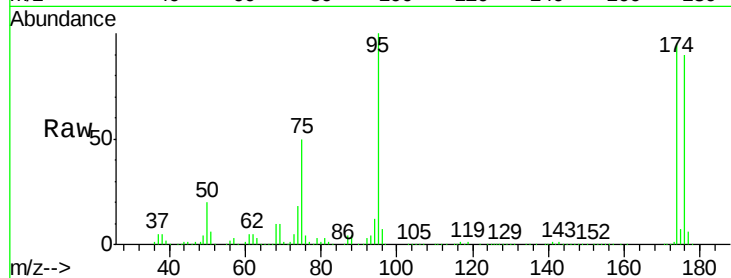
Acq: 06 May 2018 17:31

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP04-20180428



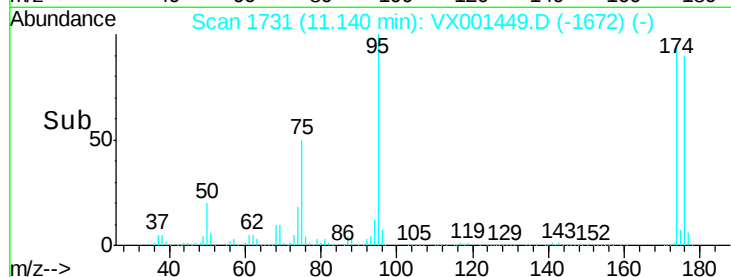
Tgt Ion: 75 Resp: 110628

Ion Ratio Lower Upper

75 100

53 0.1 84.5 126.7#

89 0.0 39.5 59.3#



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

