

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020119\
 Data File : VX007338.D
 Acq On : 01 Feb 2019 16:00
 Operator : JC/SP
 Sample : K1296-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-FB01-20190129

Quant Time: Feb 02 03:17:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	505994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	780152	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	742371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	370406	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	272565	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
35) Dibromofluoromethane	5.50	113	247662	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
50) Toluene-d8	8.71	98	942677	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.13	95	339670	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	

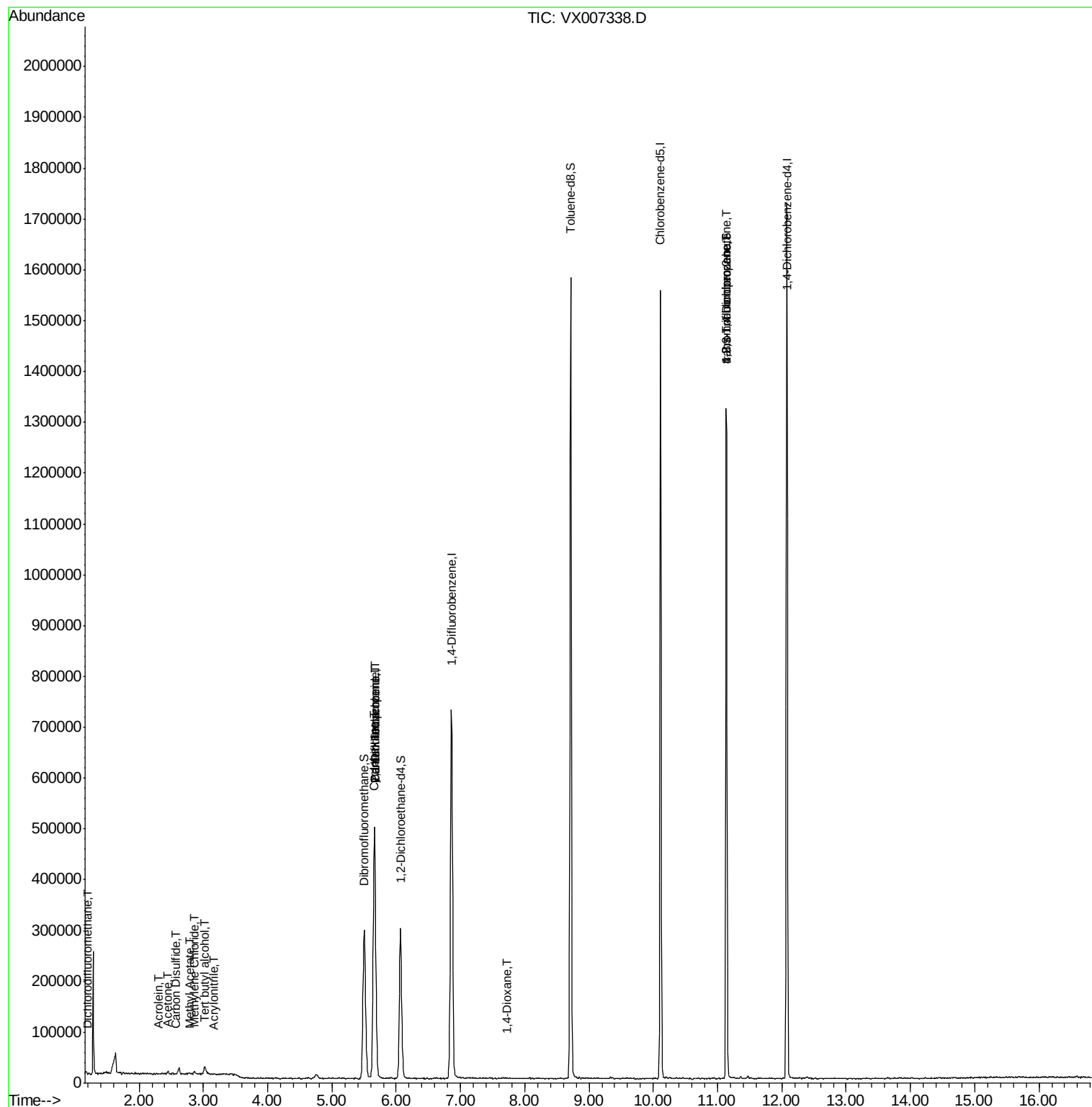
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	443	0.248	ug/l	99
5) Bromomethane	1.64	94	2227	Below Cal		85
11) Tert butyl alcohol	3.03	59	8863	7.974	ug/l #	78
13) Acrolein	2.29	56	125	0.240	ug/l #	19
15) Acrylonitrile	3.16	53	647	0.235	ug/l #	52
16) Acetone	2.45	43	6916	2.811	ug/l	98
17) Carbon Disulfide	2.57	76	1944	2.268	ug/l #	75
18) Methyl Acetate	2.79	43	2498	0.978	ug/l #	70
20) Methylene Chloride	2.86	84	3153	0.236	ug/l #	73
31) Cyclohexane	5.65	56	8912	1.193	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	32308	4.616	ug/l #	49
38) Carbon Tetrachloride	5.66	117	46231	6.808	ug/l #	18
49) 1,4-Dioxane	7.73	88	140	7.998	ug/l #	4
76) 1,2,3-Trichloropropane	11.13	75	161386	22.400	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	161386	67.608	ug/l #	9

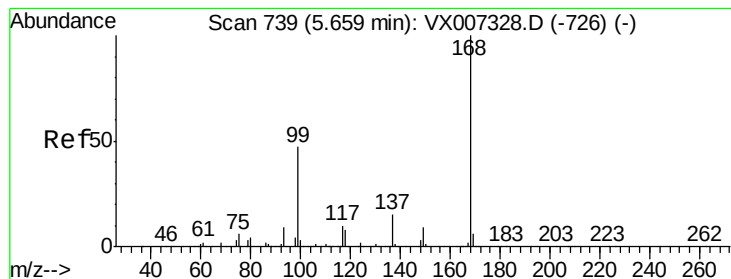
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007338.D

Acq: 01 Feb 2019 16:00

Instrument :

MSVOA_X

ClientSampleId :

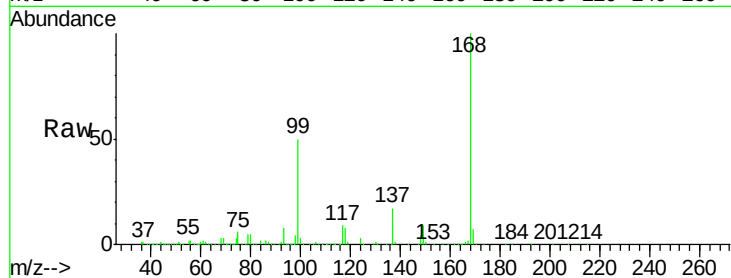
BP-TT-FB01-20190129

Tot Ion:168 Resp: 505994

Ion Ratio Lower Upper

168 100

99 49.7 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

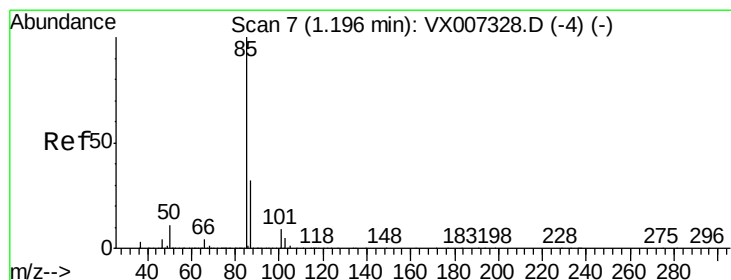
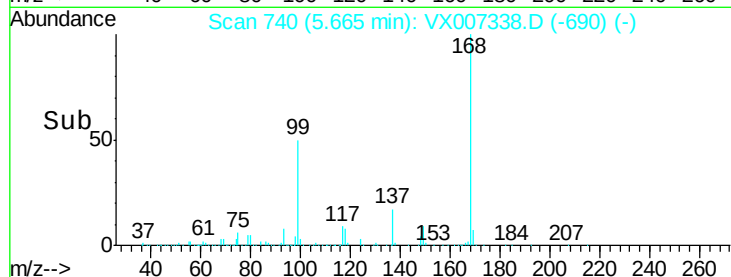
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.248 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007338.D

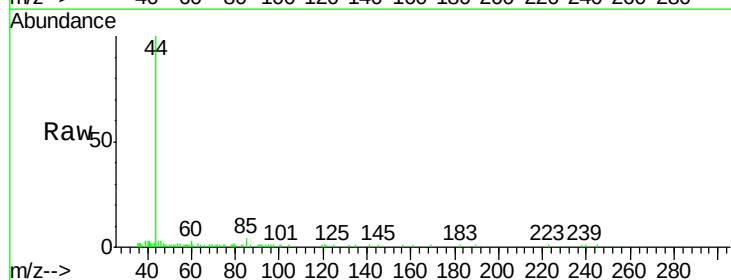
Acq: 01 Feb 2019 16:00

Tgt Ion: 85 Resp: 443

Ion Ratio Lower Upper

85 100

87 31.1 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

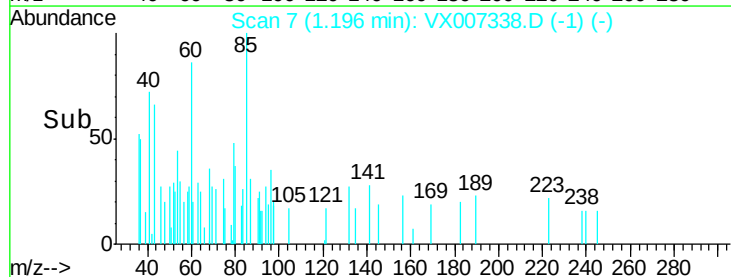
300

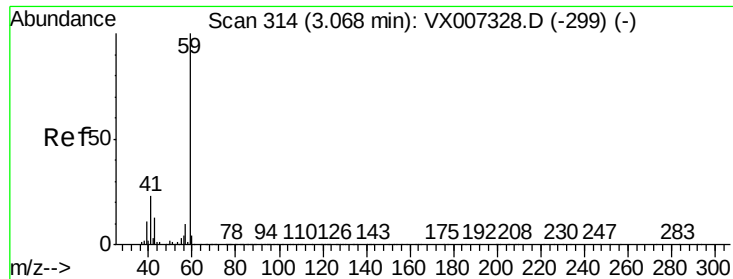
200

100

0

Time-->

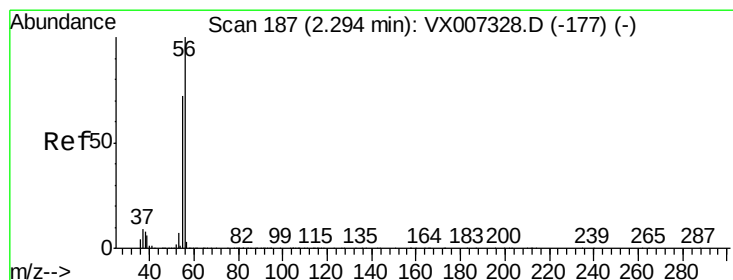
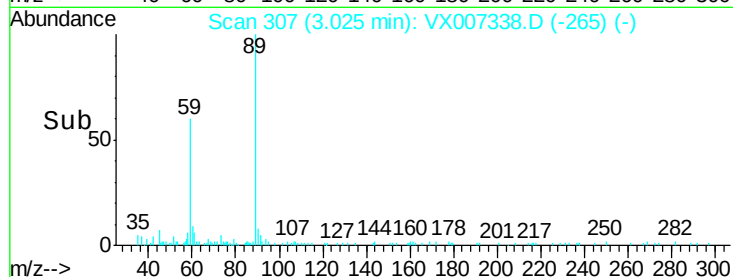
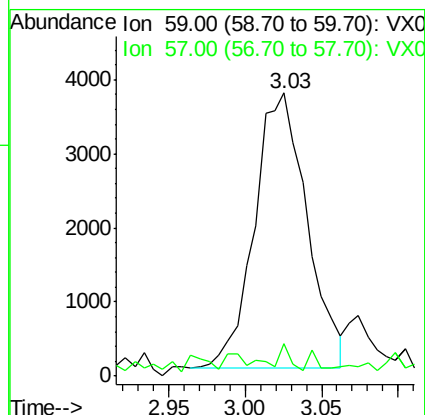
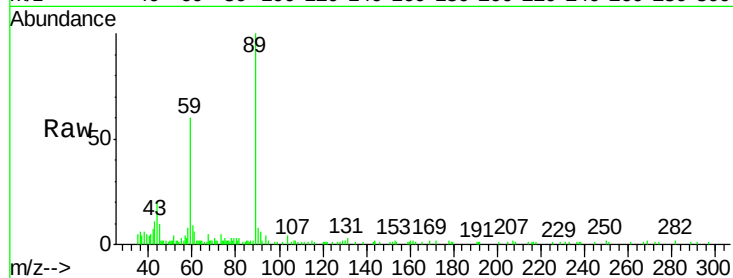




#11
Tert butyl alcohol
Concen: 7.974 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.04 min
Lab File: VX007338.D
Acq: 01 Feb 2019 16:00

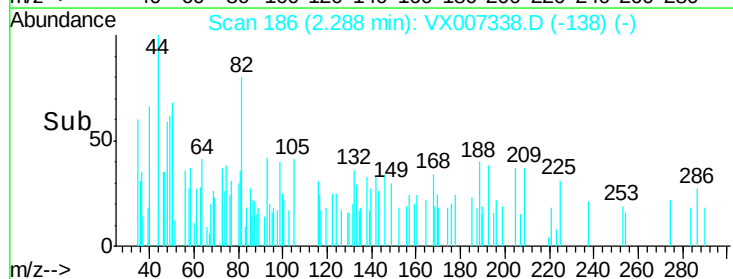
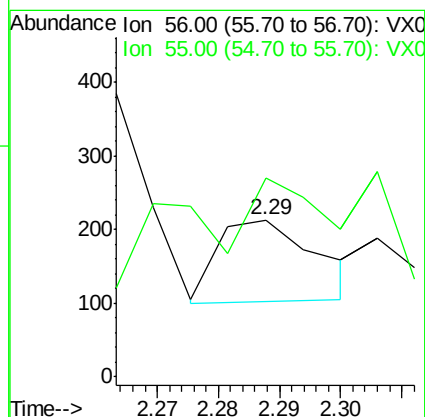
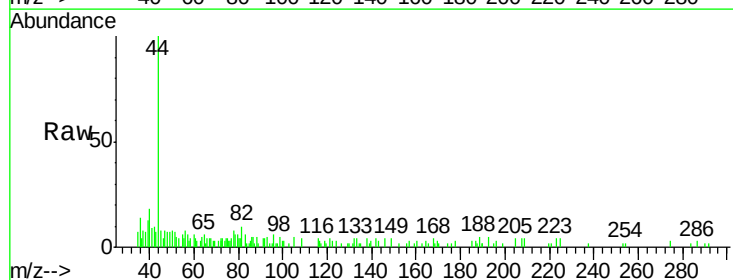
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-FB01-20190129

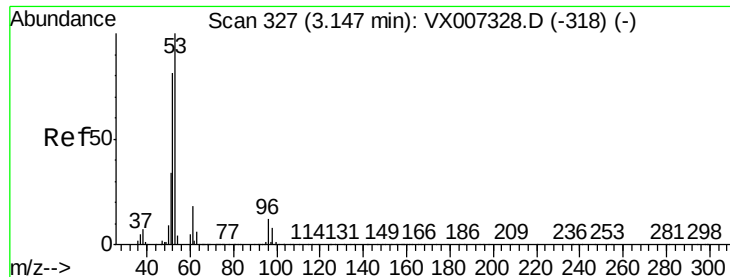
Tot Ion: 59 Resp: 8863
Ion Ratio Lower Upper
59 100
57 2.0 8.1 12.1#



#13
Acrolein
Concen: 0.240 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX007338.D
Acq: 01 Feb 2019 16:00

Tgt Ion: 56 Resp: 125
Ion Ratio Lower Upper
56 100
55 138.4 56.9 85.3#





#15

Acrylonitrile

Concen: 0.235 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX007338.D

Acq: 01 Feb 2019 16:00

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-FB01-20190129

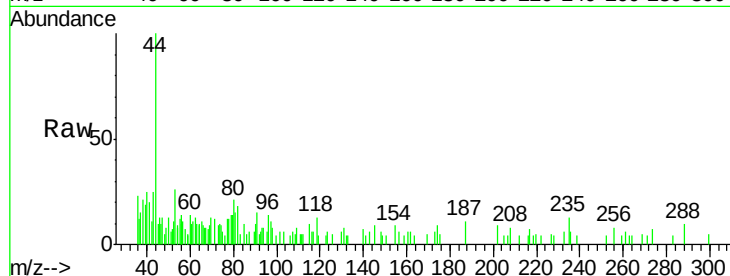
Tot Ion: 53 Resp: 647

Ion Ratio Lower Upper

53 100

52 137.6 66.4 99.6#

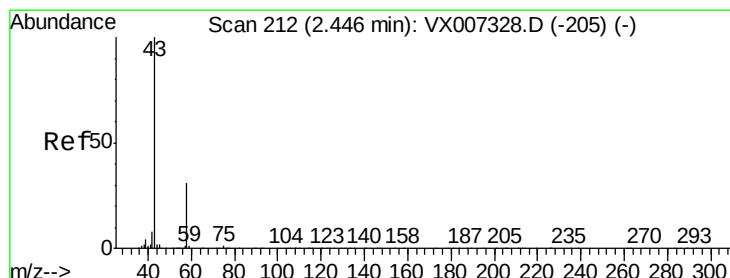
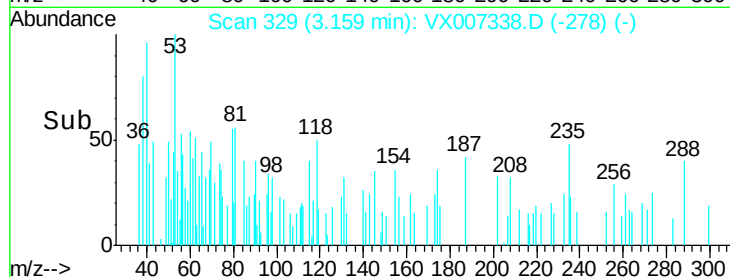
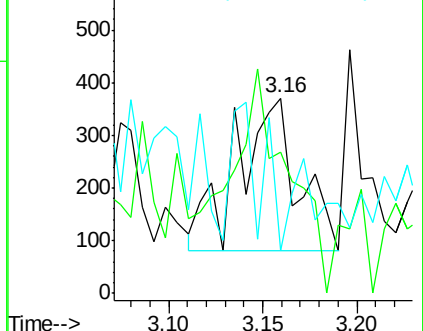
51 46.2 28.4 42.6#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 2.811 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007338.D

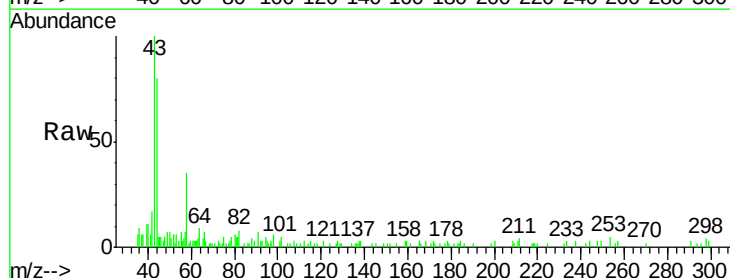
Acq: 01 Feb 2019 16:00

Tgt Ion: 43 Resp: 6916

Ion Ratio Lower Upper

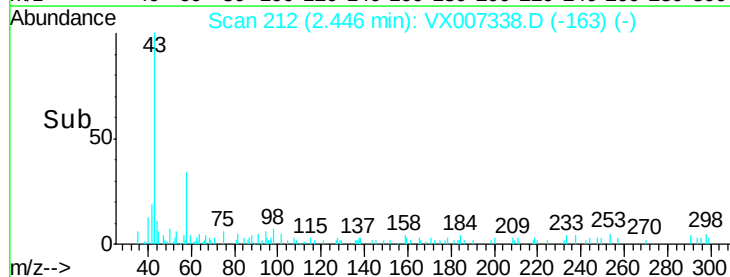
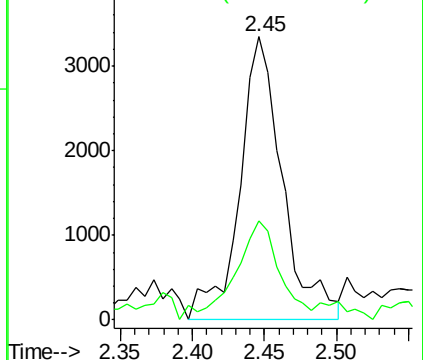
43 100

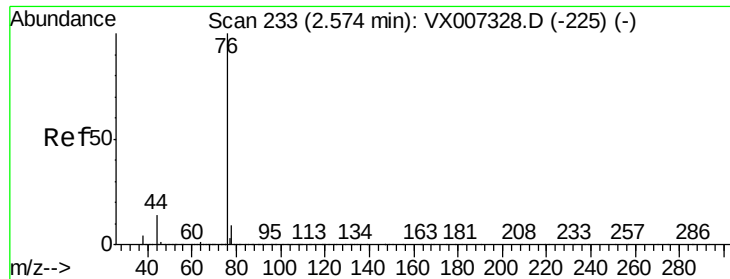
58 29.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

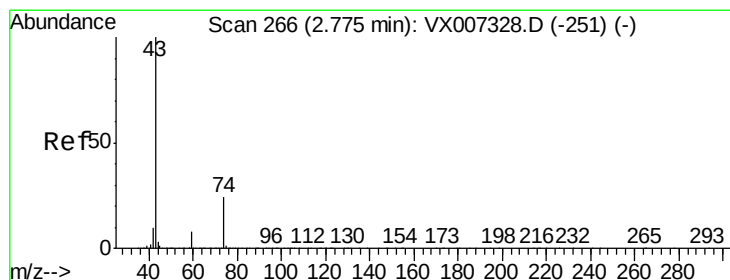
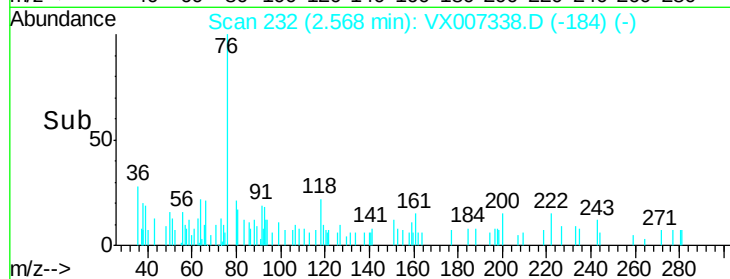
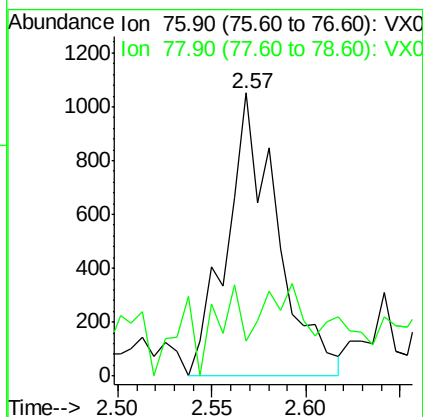
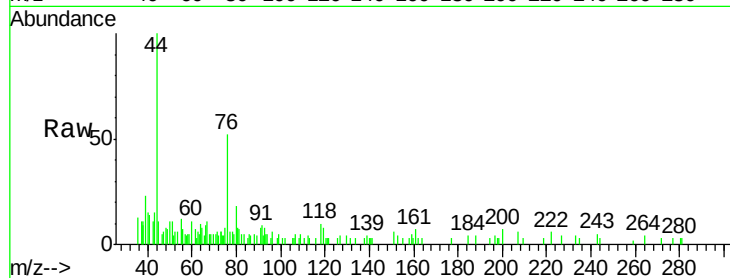




#17
Carbon Disulfide
Concen: 2.268 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX007338.D
Acq: 01 Feb 2019 16:00

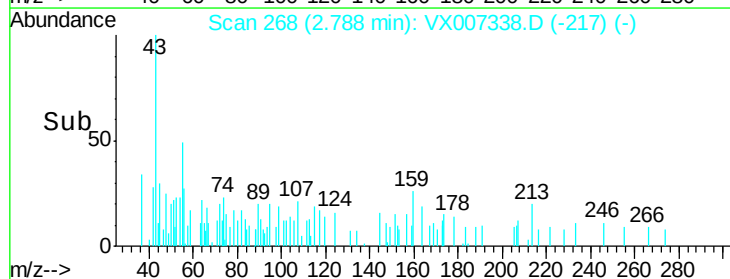
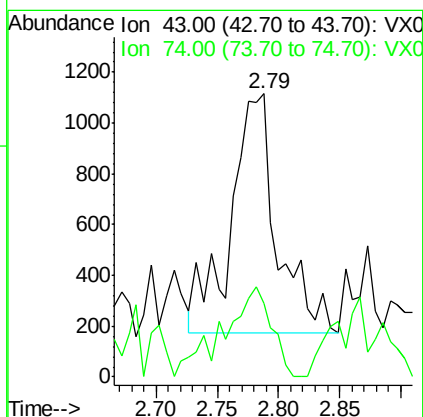
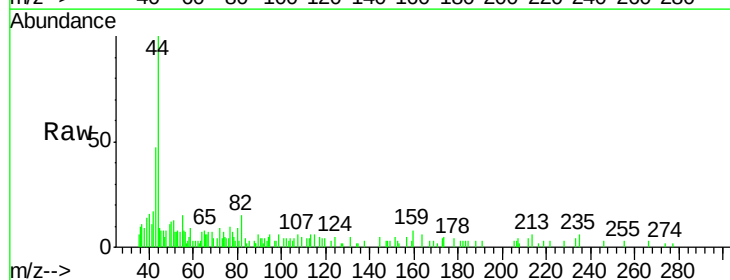
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-FB01-20190129

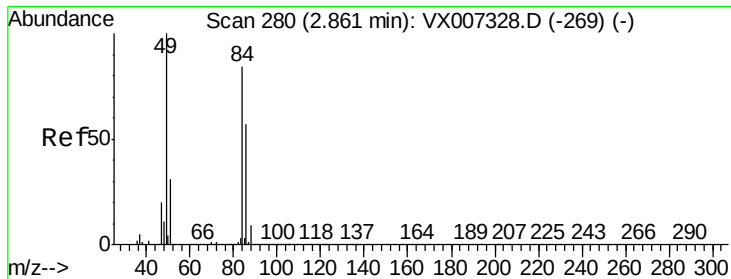
Tot Ion: 76 Resp: 1944
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: 0.978 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX007338.D
Acq: 01 Feb 2019 16:00

Tgt Ion: 43 Resp: 2498
Ion Ratio Lower Upper
43 100
74 39.0 19.4 29.2#





#20

Methylene Chloride

Concen: 0.236 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX007338.D

Acq: 01 Feb 2019 16:00

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-FB01-20190129

Tot Ion: 84 Resp: 3153

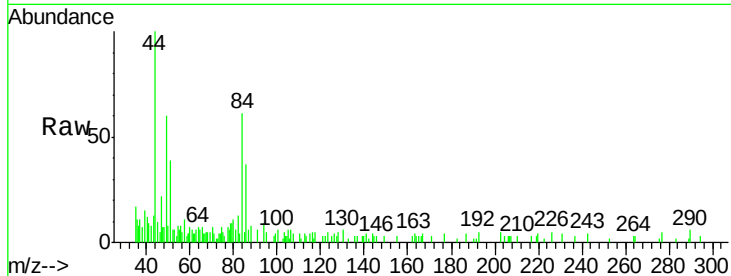
Ion Ratio Lower Upper

84 100

49 80.4 94.8 142.2#

51 49.6 29.8 44.8#

86 54.6 54.1 81.1

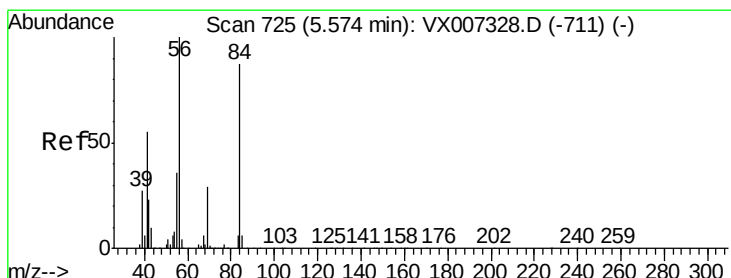
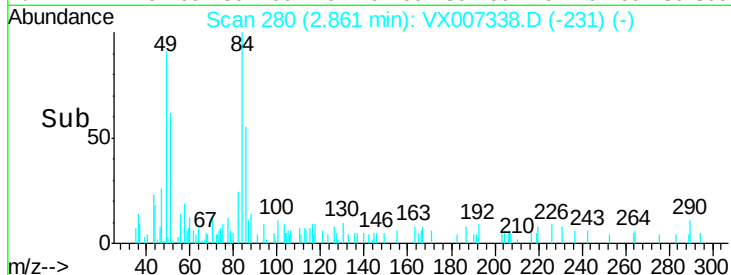
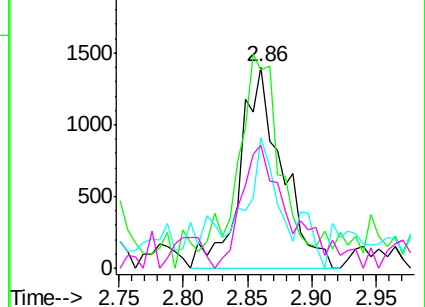


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#31

Cyclohexane

Concen: 1.193 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX007338.D

Acq: 01 Feb 2019 16:00

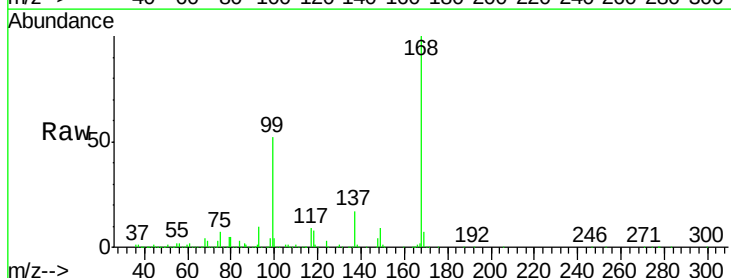
Tgt Ion: 56 Resp: 8912

Ion Ratio Lower Upper

56 100

69 145.7 23.0 34.6#

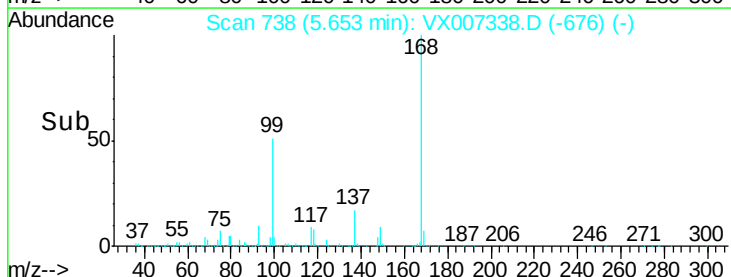
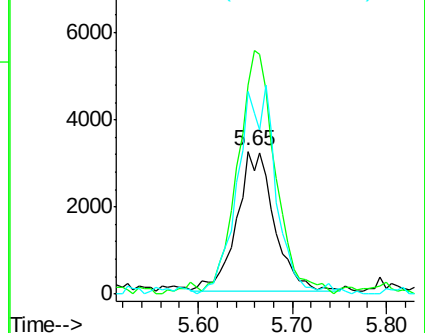
84 154.8 69.8 104.6#

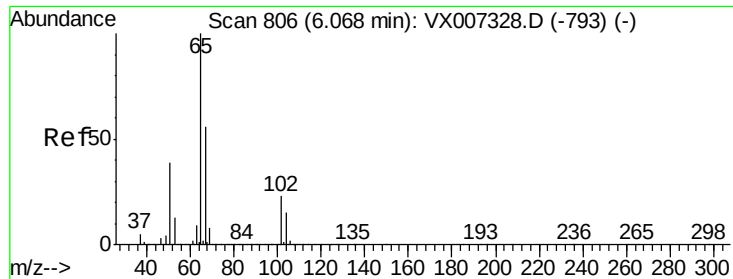


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

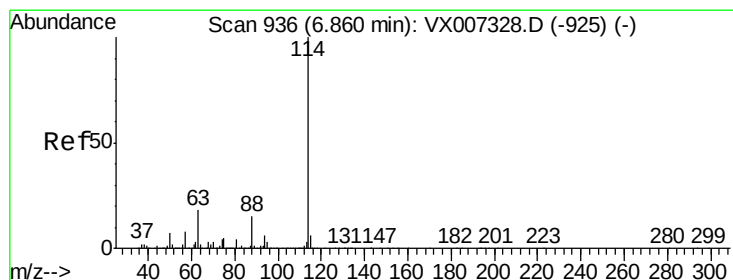
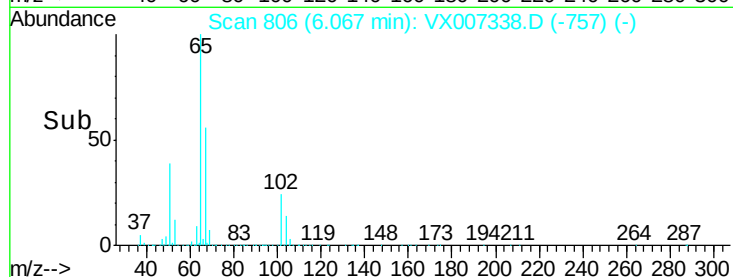
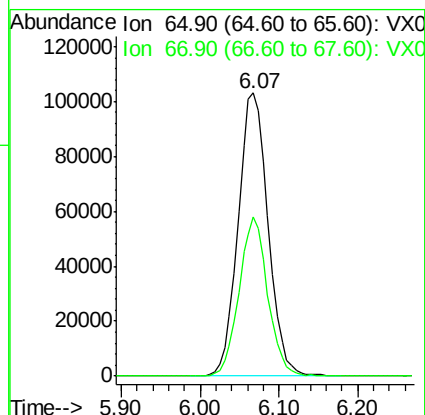
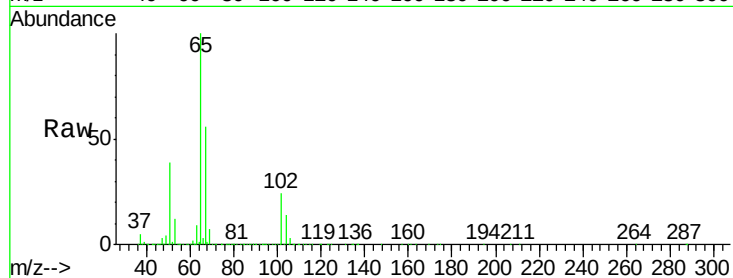




#33
 1,2-Dichloroethane-d4
 Concen: 50.750 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007338.D
 Acq: 01 Feb 2019 16:00

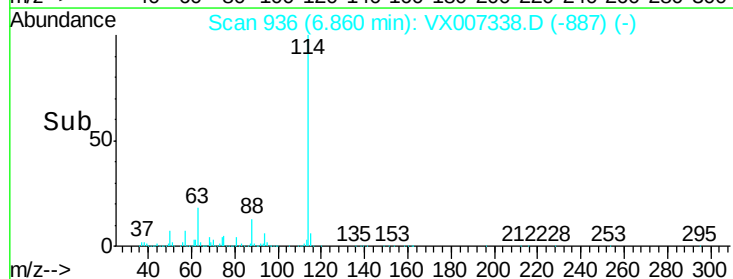
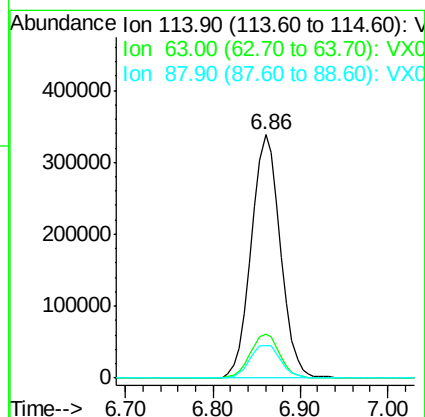
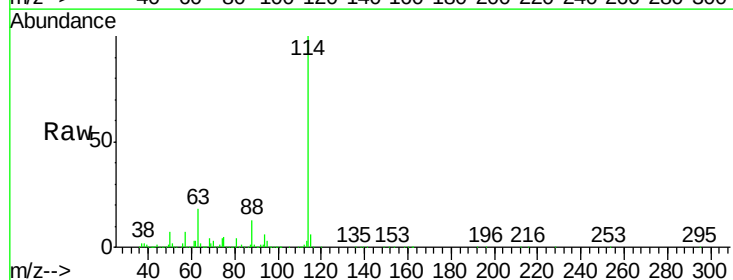
Instrument :
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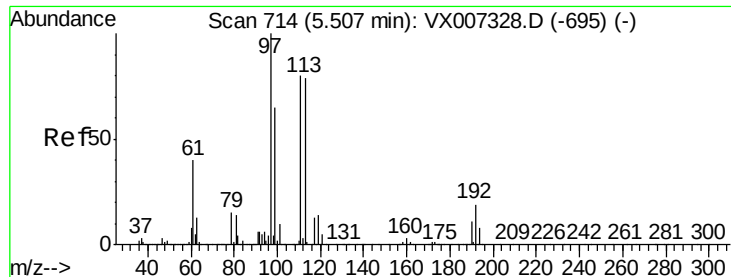
Tot Ion: 65 Resp: 272565
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007338.D
 Acq: 01 Feb 2019 16:00

Tgt Ion: 114 Resp: 780152
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.6
 88 13.4 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.789 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007338.D

Acq: 01 Feb 2019 16:00

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-FB01-20190129

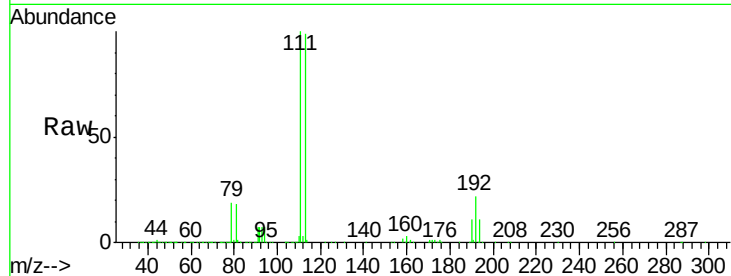
Tot Ion:113 Resp: 247662

Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

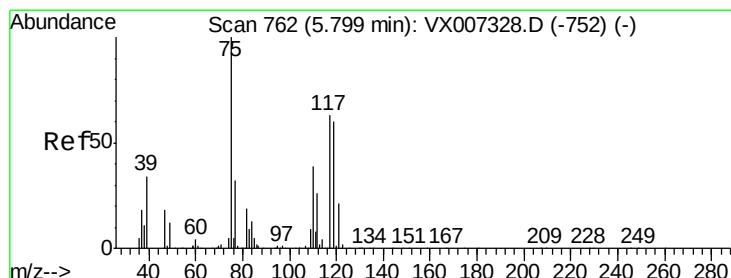
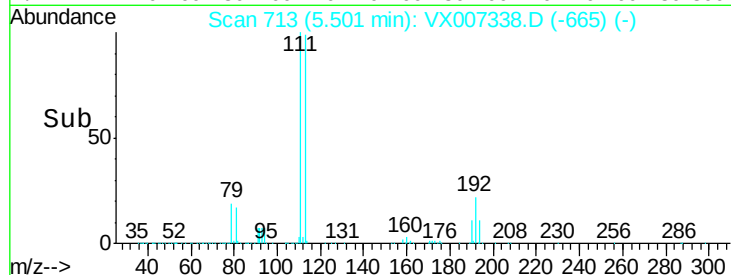
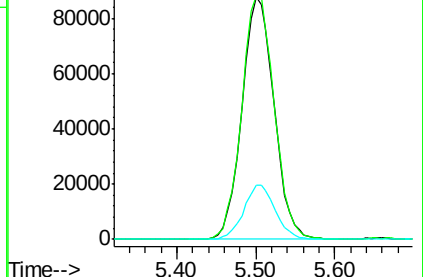
192 22.1 18.5 27.7



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: 4.616 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007338.D

Acq: 01 Feb 2019 16:00

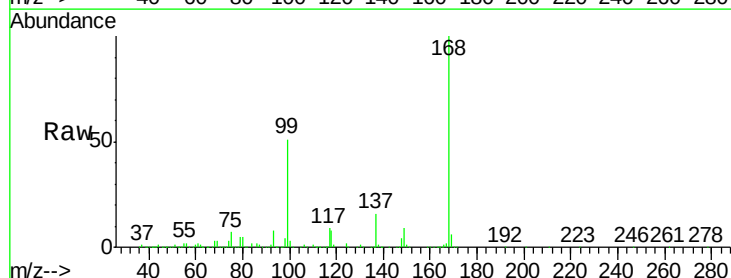
Tgt Ion: 75 Resp: 32308

Ion Ratio Lower Upper

75 100

110 11.3 20.0 59.9#

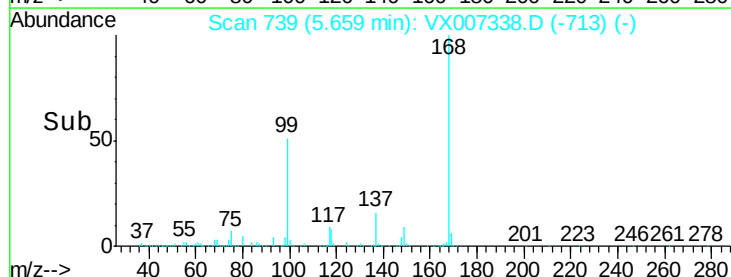
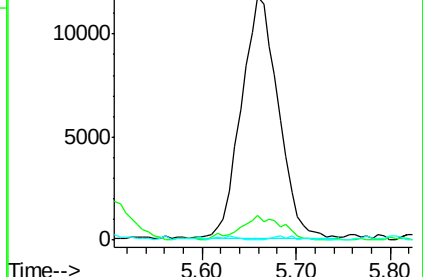
77 0.0 24.7 37.1#

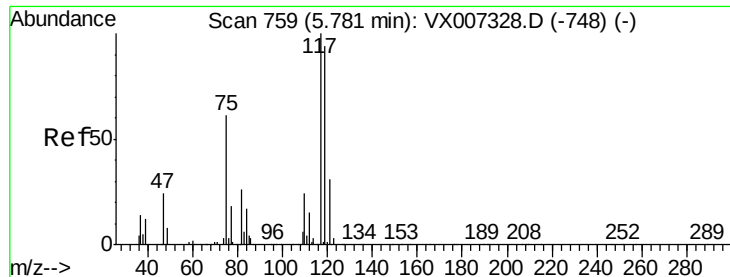


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.808 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007338.D

Acq: 01 Feb 2019 16:00

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-FB01-20190129

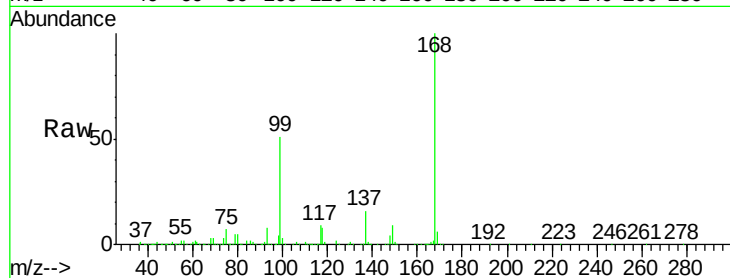
Tot Ion:117 Resp: 46231

Ion Ratio Lower Upper

117 100

119 6.2 75.3 112.9#

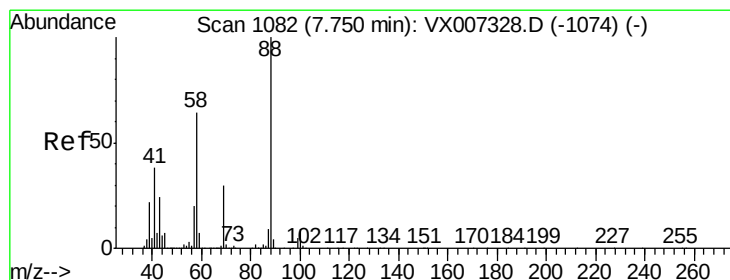
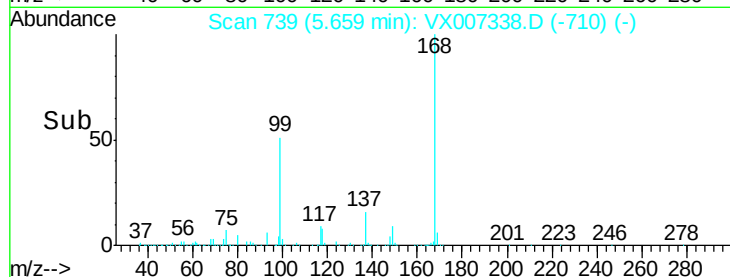
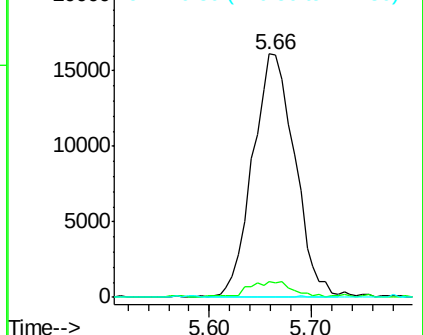
121 0.0 25.0 37.4#



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



#49

1,4-Dioxane

Concen: 7.998 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VX007338.D

Acq: 01 Feb 2019 16:00

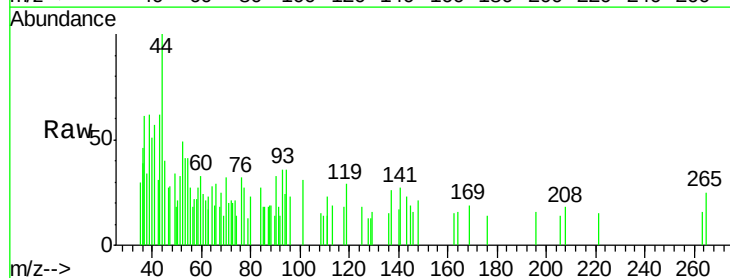
Tgt Ion: 88 Resp: 140

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

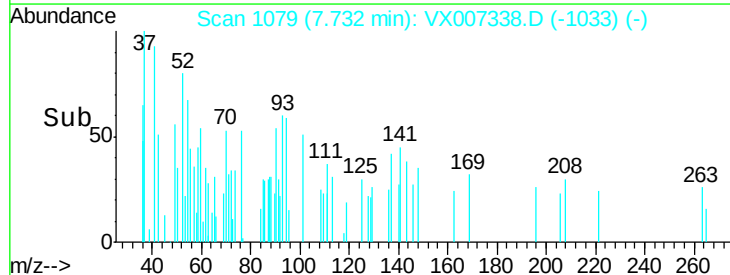
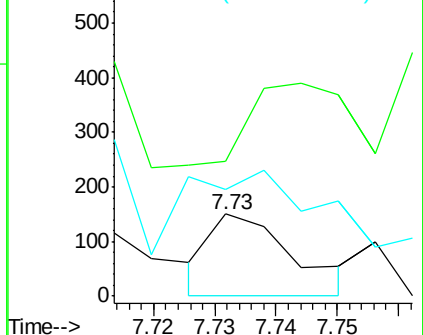
58 157.1 53.0 79.4#

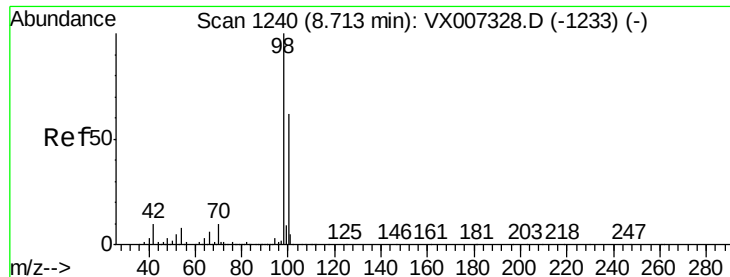


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.053 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007338.D

Acq: 01 Feb 2019 16:00

Instrument :

MSVOA_X

ClientSampleId :

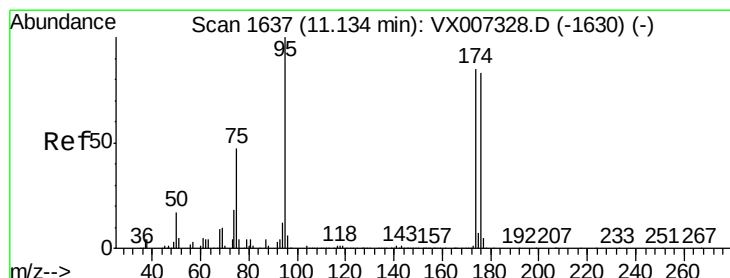
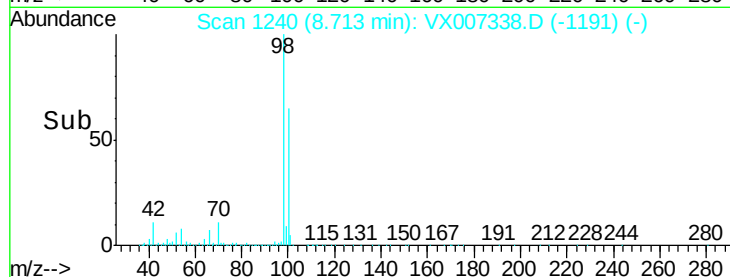
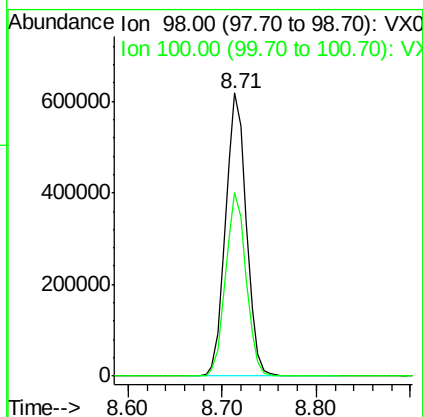
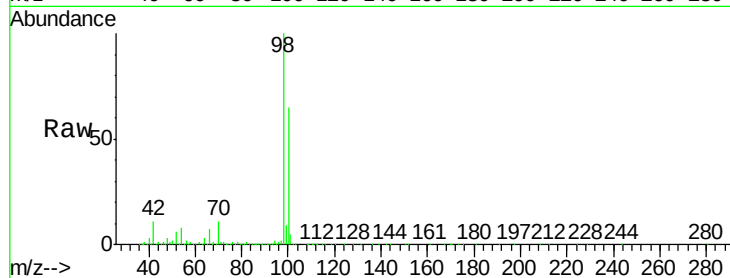
BP-TT-FB01-20190129

Tot Ion: 98 Resp: 942677

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 49.399 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007338.D

Acq: 01 Feb 2019 16:00

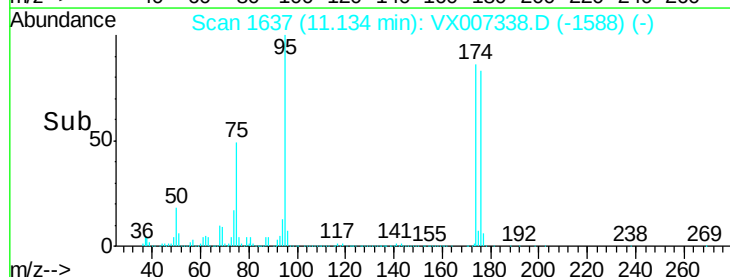
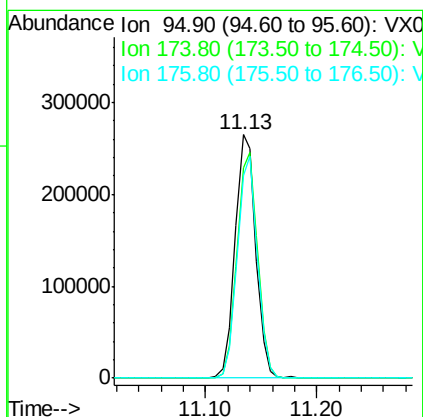
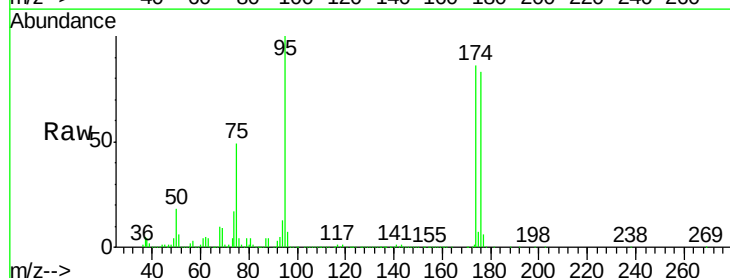
Tgt Ion: 95 Resp: 339670

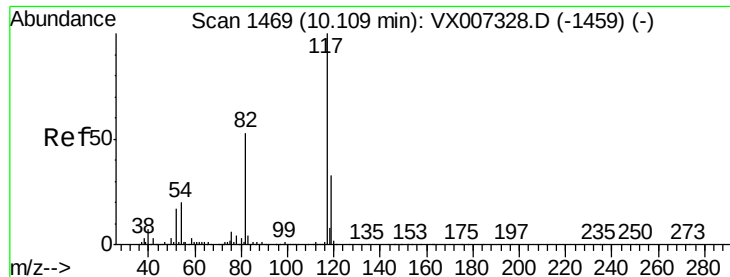
Ion Ratio Lower Upper

95 100

174 92.8 0.0 189.2

176 89.0 0.0 186.2

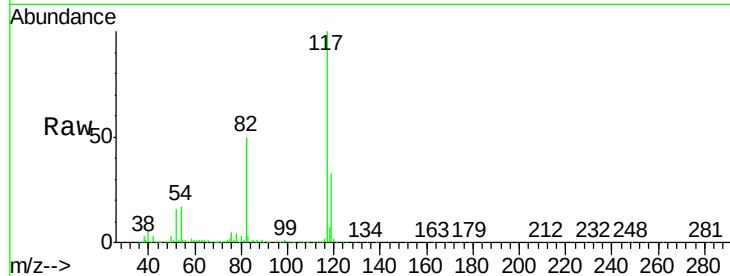




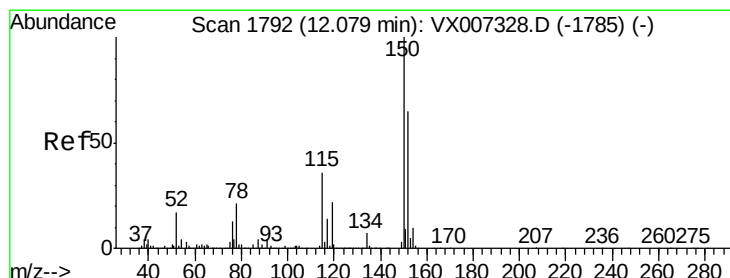
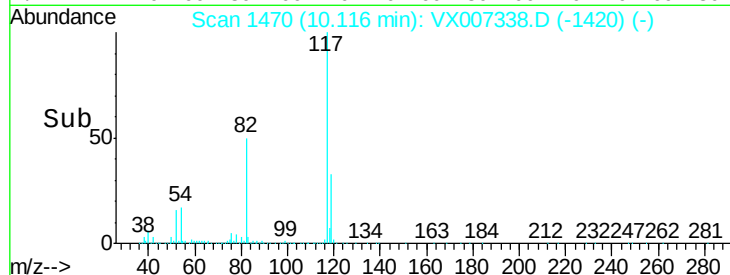
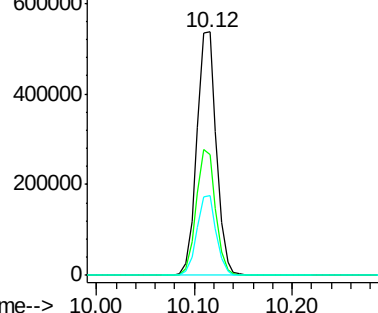
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007338.D
Acq: 01 Feb 2019 16:00

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-FB01-20190129

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.8	42.1	63.1
119	32.7	26.5	39.7

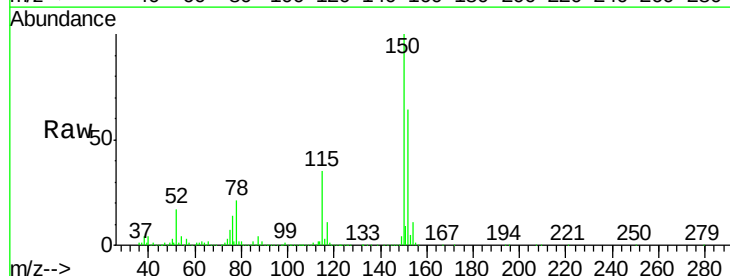


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

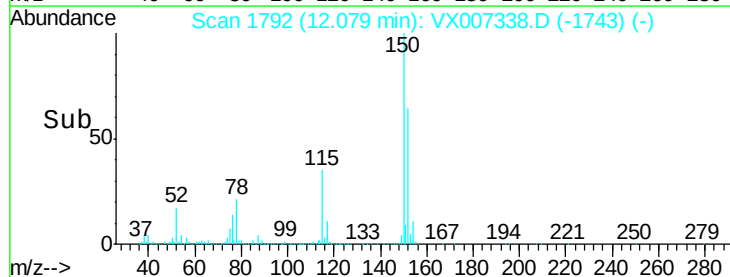
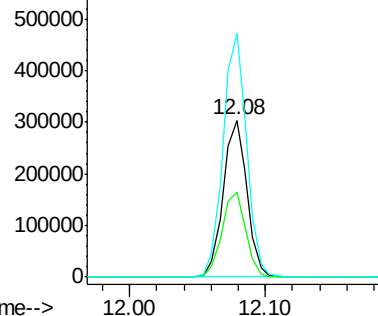


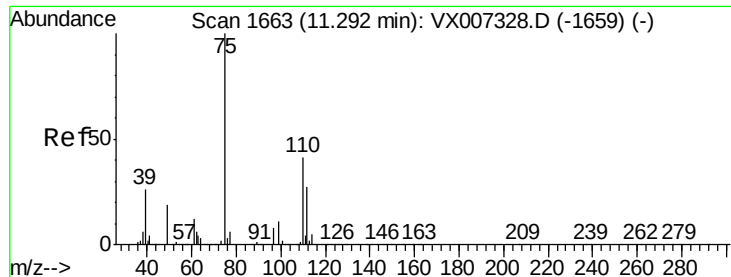
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007338.D
Acq: 01 Feb 2019 16:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	38.0	114.0
150	155.0	0.0	346.4



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: 22.400 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007338.D

Acq: 01 Feb 2019 16:00

Instrument :

MSVOA_X

ClientSampleId :

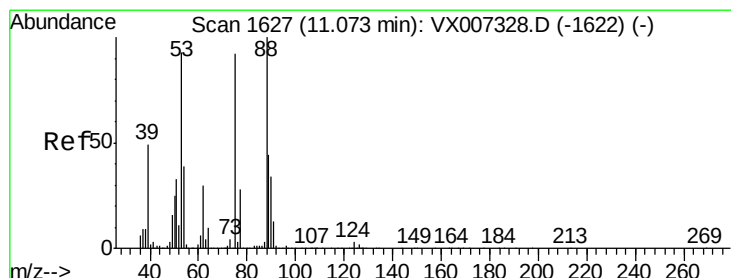
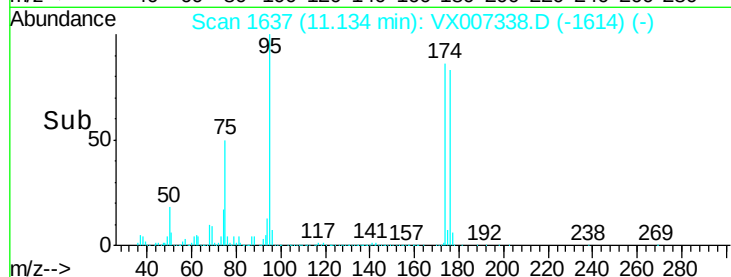
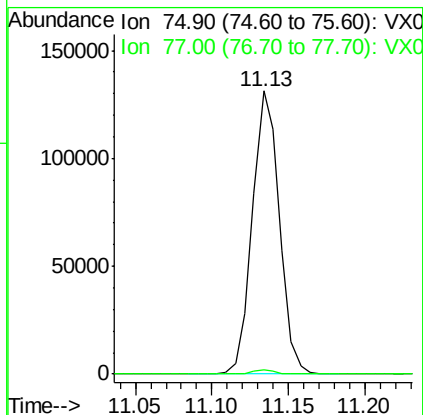
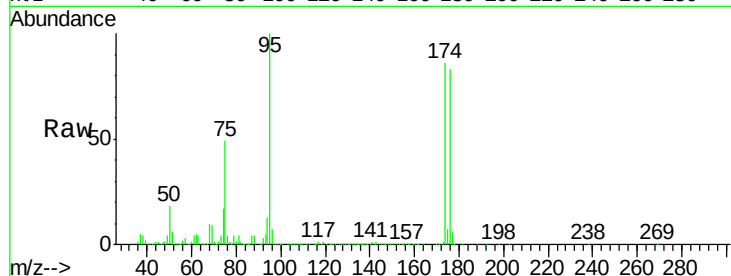
BP-TT-FB01-20190129

Tot Ion: 75 Resp: 161386

Ion Ratio Lower Upper

75 100

77 1.5 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.608 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007338.D

Acq: 01 Feb 2019 16:00

Tgt Ion: 75 Resp: 161386

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.1 41.4 62.0#

