

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071018\
 Data File : VX003316.D
 Acq On : 11 Jul 2018 06:24
 Operator : JC/MD
 Sample : J3827-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-03-070918

Quant Time: Jul 11 06:53:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	264193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	357999	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	335563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	194532	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	158246	38.06	ug/l	0.00
Spiked Amount			Recovery	=	76.12%	
35) Dibromofluoromethane	5.51	113	139091	36.16	ug/l	0.00
Spiked Amount			Recovery	=	72.32%	
50) Toluene-d8	8.72	98	496450	36.34	ug/l	0.00
Spiked Amount			Recovery	=	72.68%	
62) 4-Bromofluorobenzene	11.14	95	173736	34.42	ug/l	0.00
Spiked Amount			Recovery	=	68.84%	

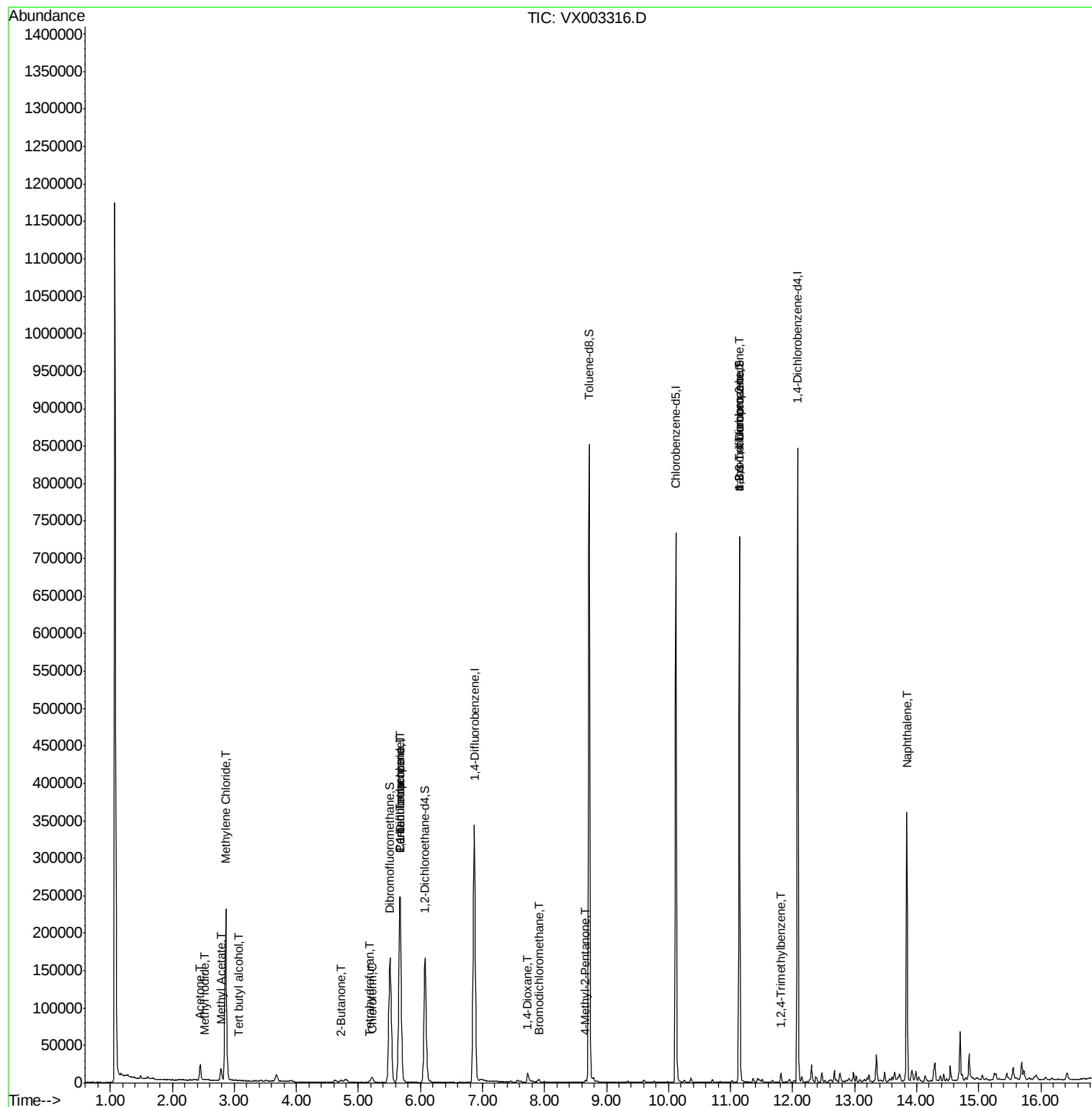
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1060	Below Cal		99
10) Methyl Iodide	2.51	142	993	5.90	ug/l #	45
11) Tert butyl alcohol	3.07	59	1073	1.42	ug/l #	93
16) Acetone	2.45	43	23344	15.81	ug/l	99
18) Methyl Acetate	2.78	43	18190	4.37	ug/l #	89
20) Methylene Chloride	2.86	84	107487	35.33	ug/l	93
25) 2-Butanone	4.72	43	5100	1.95	ug/l	96
29) Tetrahydrofuran	5.17	42	1905	1.12	ug/l	96
30) Chloroform	5.22	83	7759	1.21	ug/l	97
36) 1,1-Dichloropropene	5.67	75	15411	3.04	ug/l #	51
38) Carbon Tetrachloride	5.67	117	23029	4.15	ug/l #	16
47) Bromodichloromethane	7.90	83	1824	0.37	ug/l #	80
49) 1,4-Dioxane	7.71	88	22	0.24	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	1806	0.33	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	84332	20.06	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	84332	65.56	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.81	105	5318	0.41	ug/l	98
95) Naphthalene	13.84	128	229885	14.78	ug/l	99

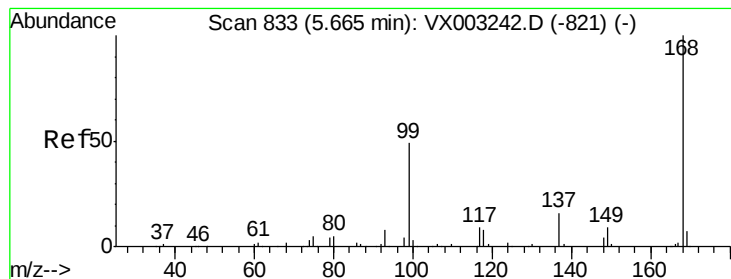
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071018\
Data File : VX003316.D
Acq On : 11 Jul 2018 06:24
Operator : JC/MD
Sample : J3827-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OR-03-070918

Quant Time: Jul 11 06:53:34 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 09 15:24:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003316.D

Acq: 11 Jul 2018 06:24

Instrument :

MSVOA_X

ClientSampleId :

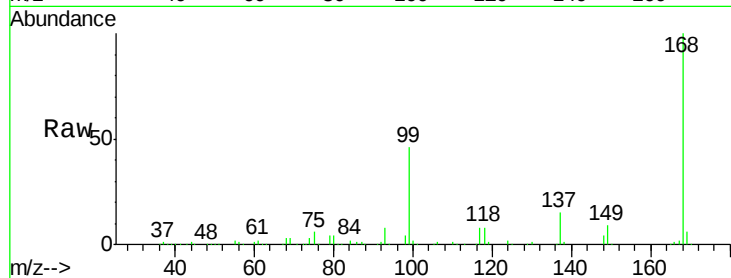
OR-03-070918

Tot Ion:168 Resp: 264193

Ion Ratio Lower Upper

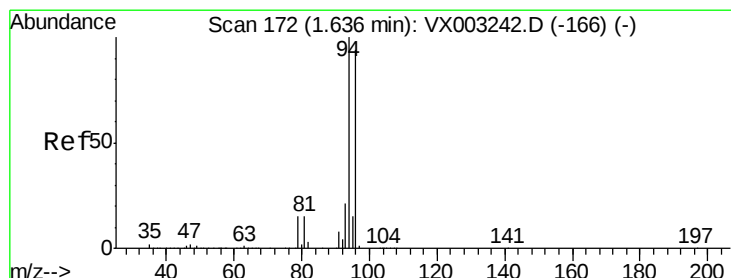
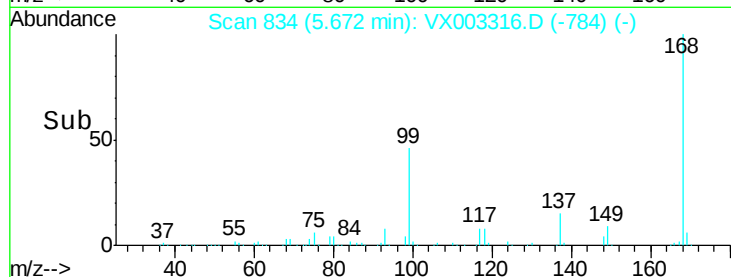
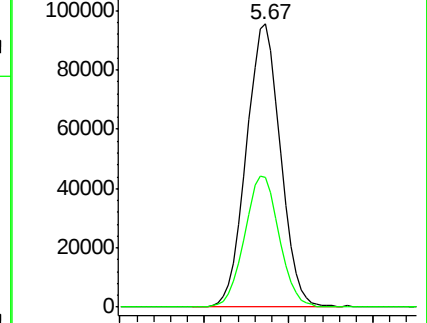
168 100

99 45.8 39.3 58.9



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: VX003316.D

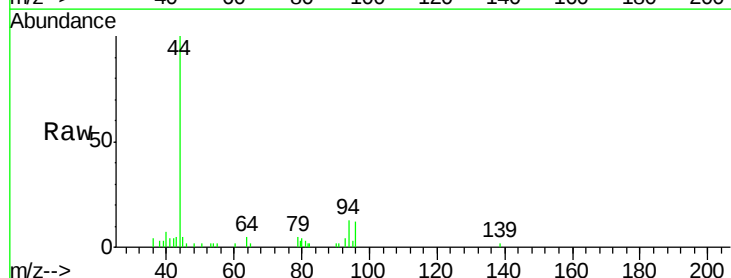
Acq: 11 Jul 2018 06:24

Tgt Ion: 94 Resp: 1060

Ion Ratio Lower Upper

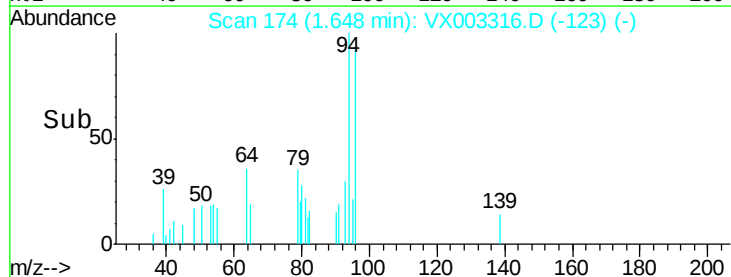
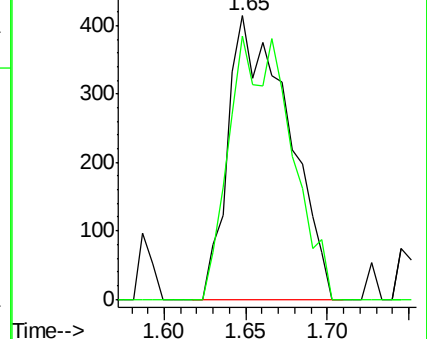
94 100

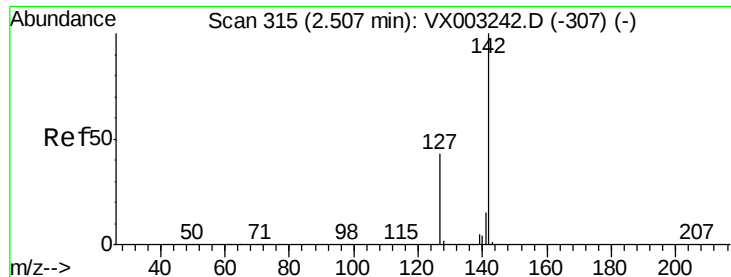
96 93.0 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

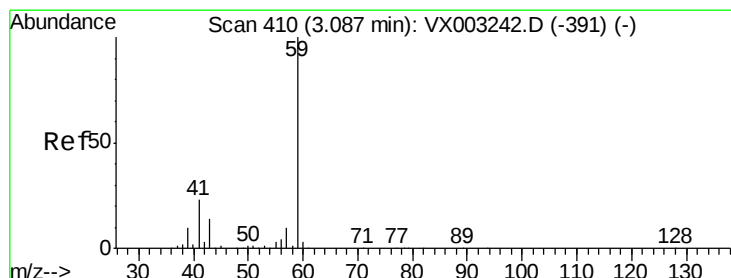
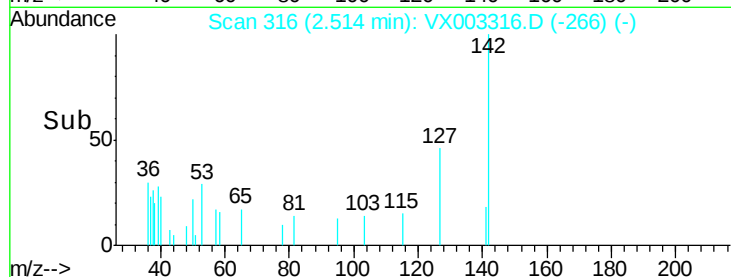
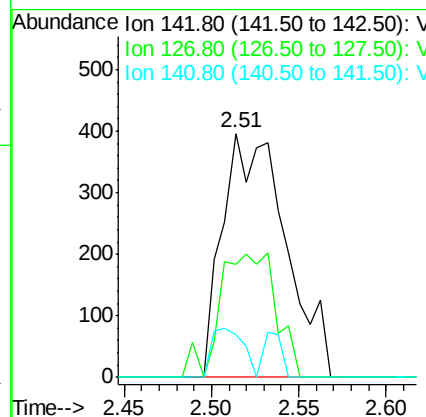
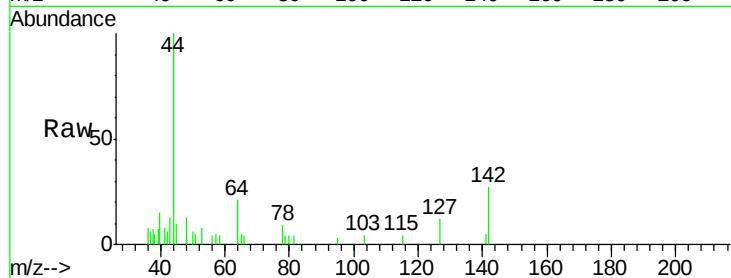




#10
Methvl Iodide
Concen: 5.90 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX003316.D
Acq: 11 Jul 2018 06:24

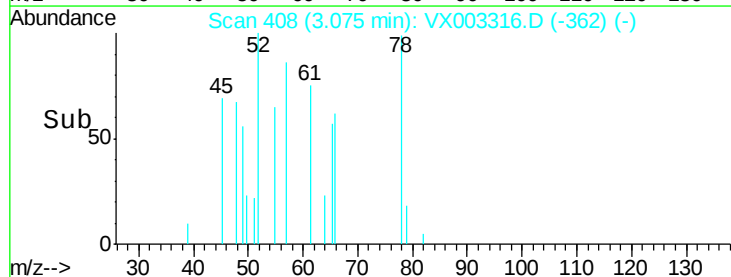
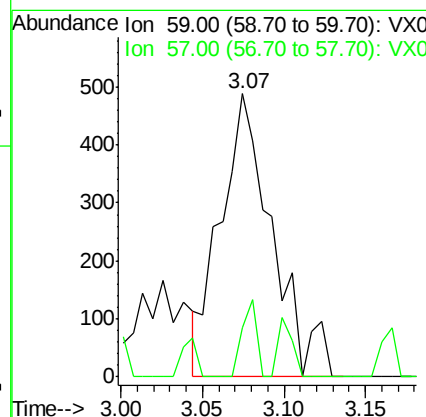
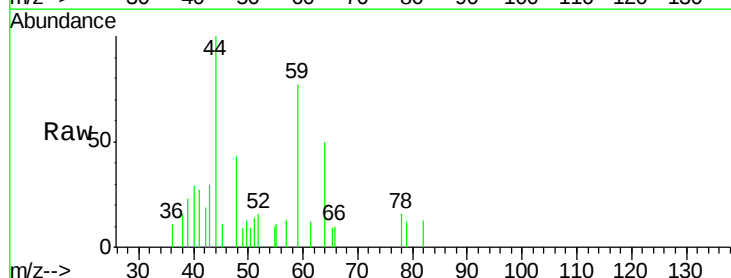
Instrument :
MSVOA_X
ClientSampleId :
OR-03-070918

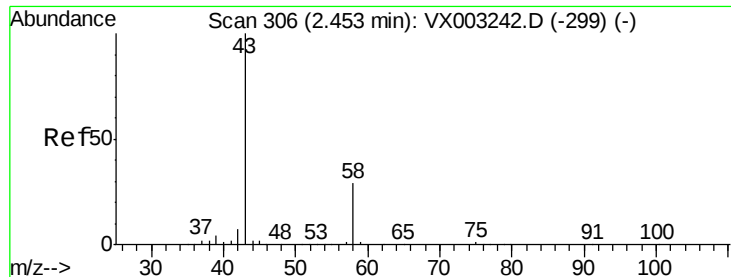
Tot Ion:142 Resp: 993
Ion Ratio Lower Upper
142 100
127 0.0 36.6 55.0#
141 10.2 11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.42 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.02 min
Lab File: VX003316.D
Acq: 11 Jul 2018 06:24

Tgt Ion: 59 Resp: 1073
Ion Ratio Lower Upper
59 100
57 7.5 8.2 12.2#





#16

Acetone

Concen: 15.81 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003316.D

Acq: 11 Jul 2018 06:24

Instrument :

MSVOA_X

ClientSampleId :

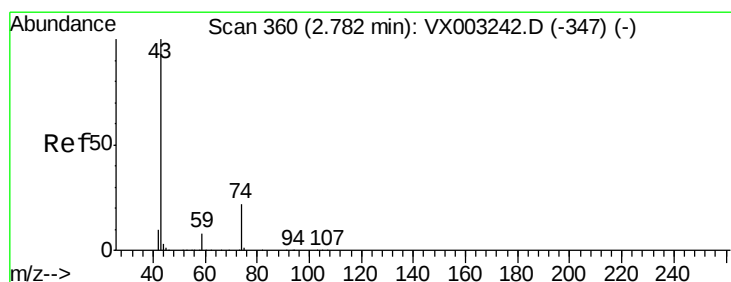
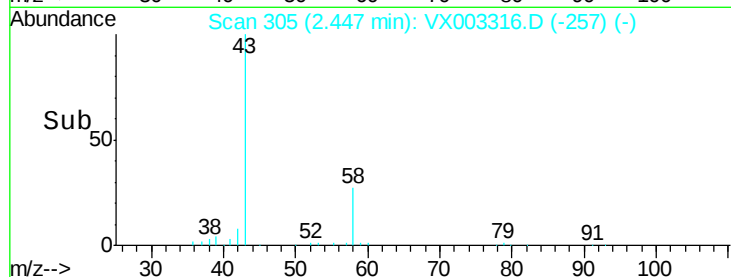
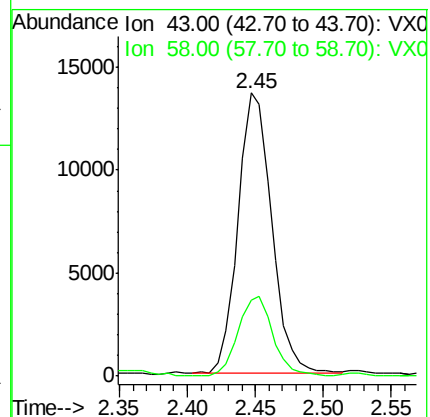
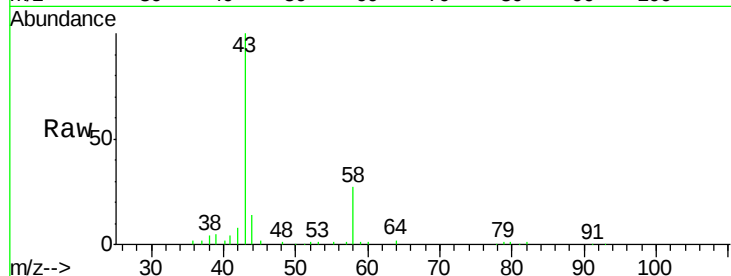
OR-03-070918

Tot Ion: 43 Resp: 23344

Ion Ratio Lower Upper

43 100

58 27.3 22.1 33.1



#18

Methyl Acetate

Concen: 4.37 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003316.D

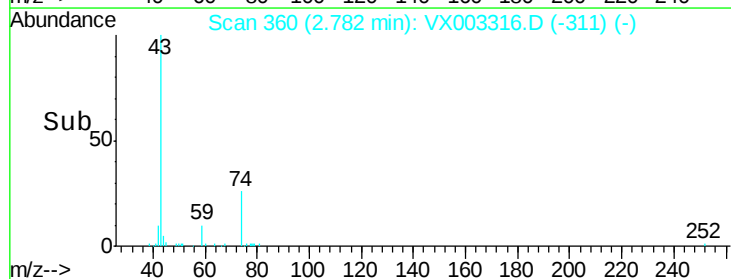
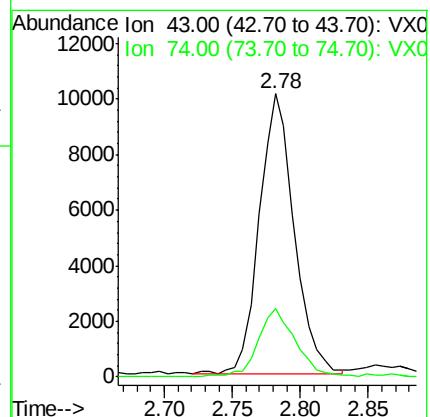
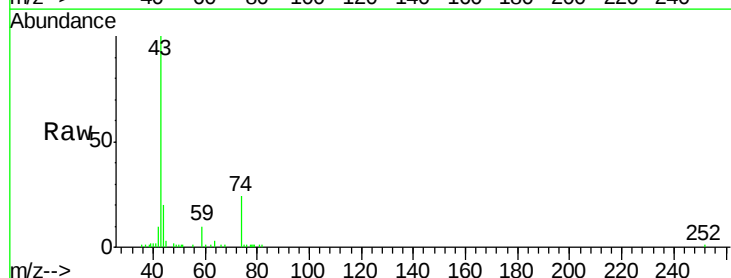
Acq: 11 Jul 2018 06:24

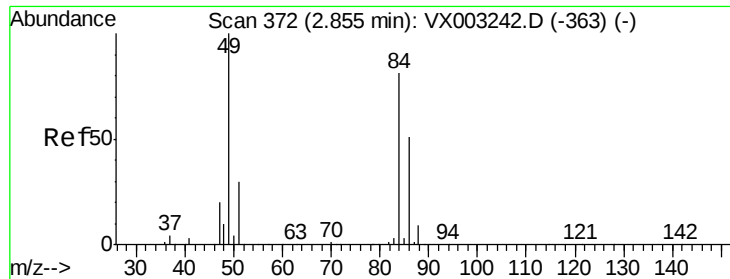
Tgt Ion: 43 Resp: 18190

Ion Ratio Lower Upper

43 100

74 26.0 16.7 25.1#

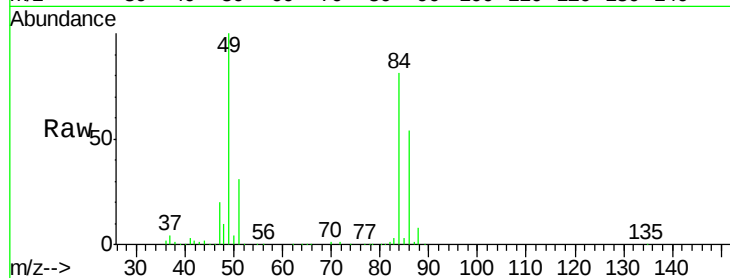




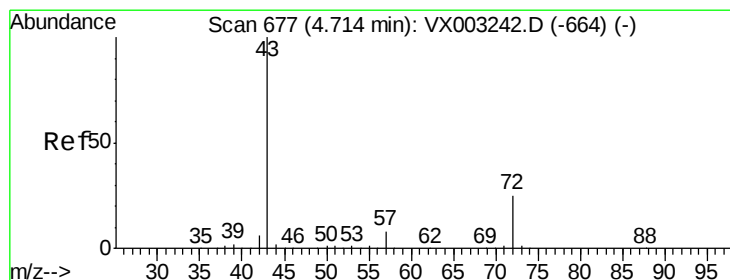
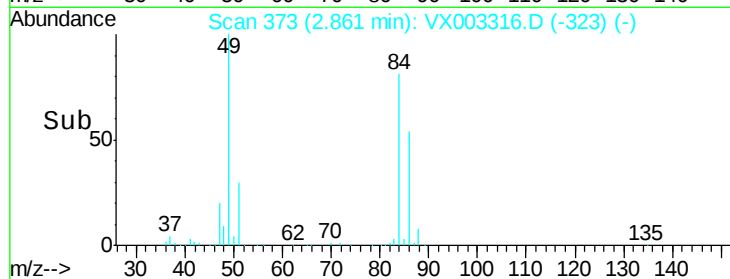
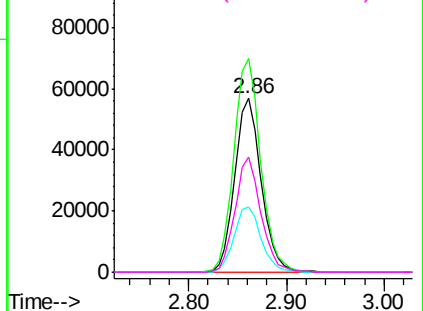
#20
Methylene Chloride
Concen: 35.33 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003316.D
Acq: 11 Jul 2018 06:24

Instrument :
MSVOA_X
ClientSampled :
OR-03-070918

Tot Ion: 84 Resp: 107487
Ion Ratio Lower Upper
84 100
49 122.9 107.8 161.6
51 37.5 32.8 49.2
86 66.2 52.5 78.7

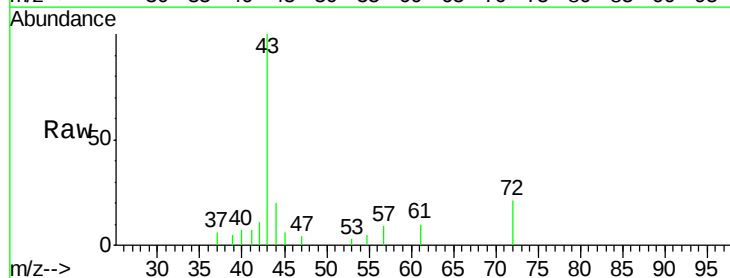


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

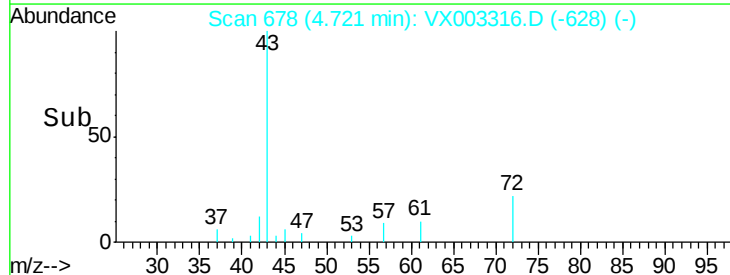
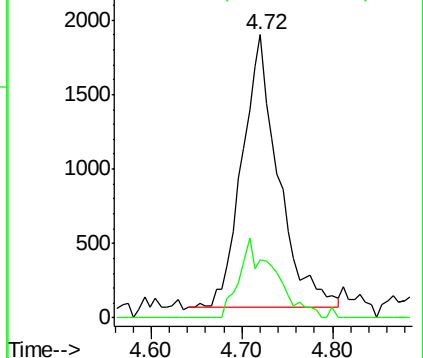


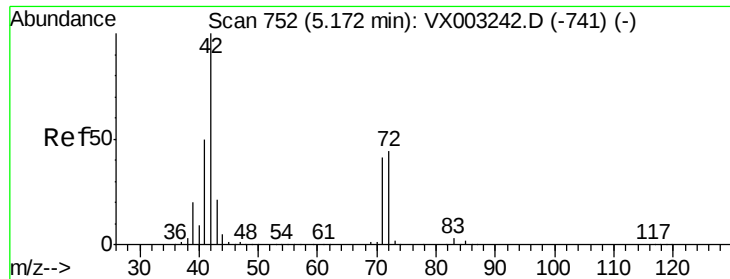
#25
2-Butanone
Concen: 1.95 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX003316.D
Acq: 11 Jul 2018 06:24

Tgt Ion: 43 Resp: 5100
Ion Ratio Lower Upper
43 100
72 21.3 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 1.12 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX003316.D

Acq: 11 Jul 2018 06:24

Instrument :

MSVOA_X

ClientSampleId :

OR-03-070918

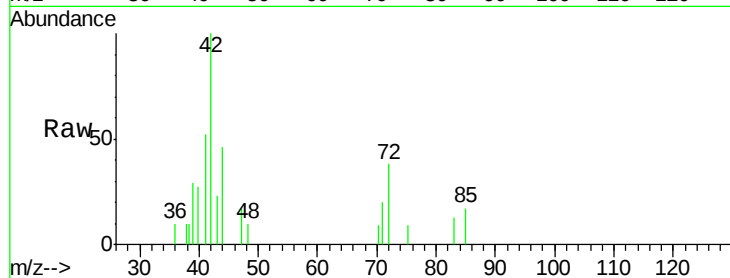
Tot Ion: 42 Resp: 1905

Ion Ratio Lower Upper

42 100

72 42.3 32.0 48.0

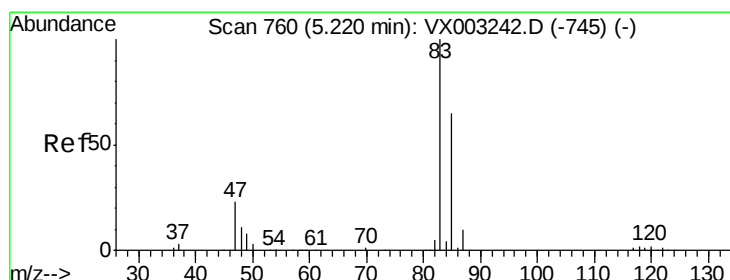
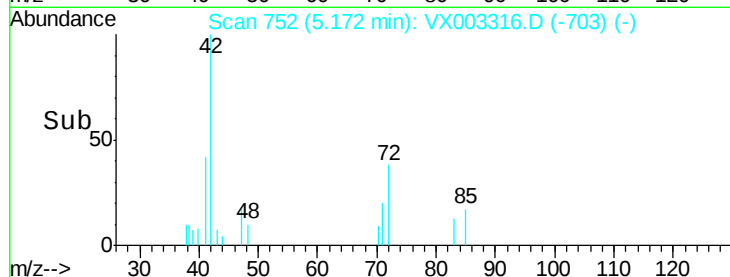
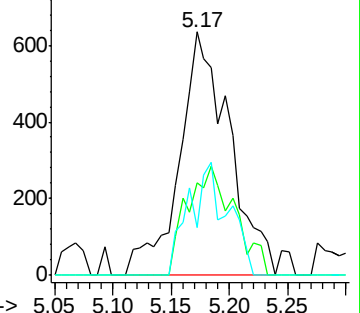
71 35.5 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 1.21 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX003316.D

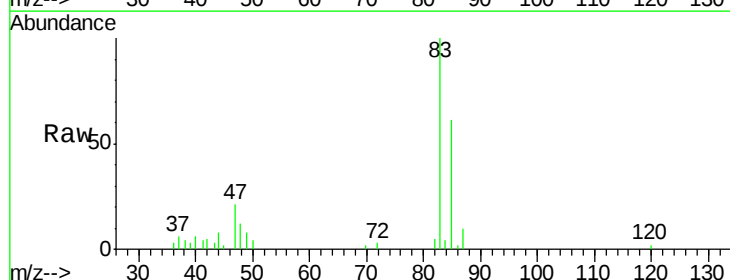
Acq: 11 Jul 2018 06:24

Tgt Ion: 83 Resp: 7759

Ion Ratio Lower Upper

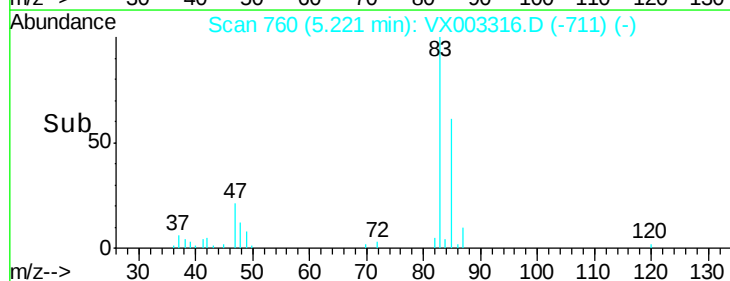
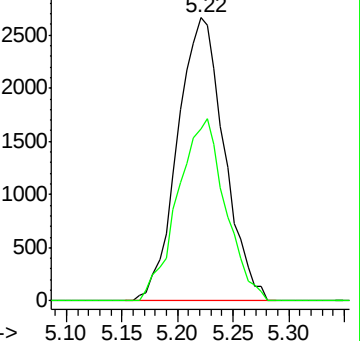
83 100

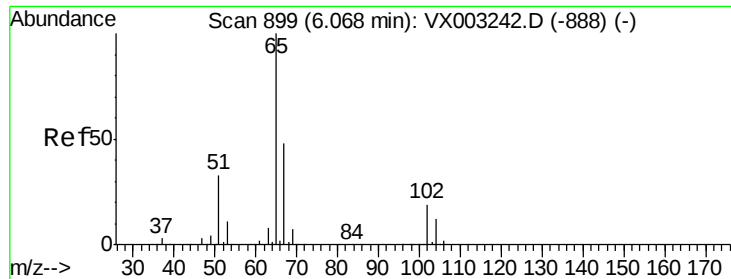
85 60.9 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 38.06 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX003316.D

Acq: 11 Jul 2018 06:24

Instrument :

MSVOA_X

ClientSampleId :

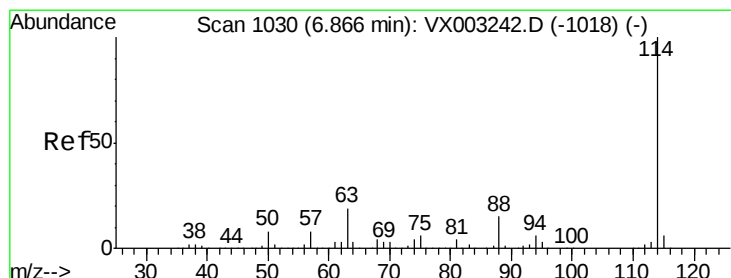
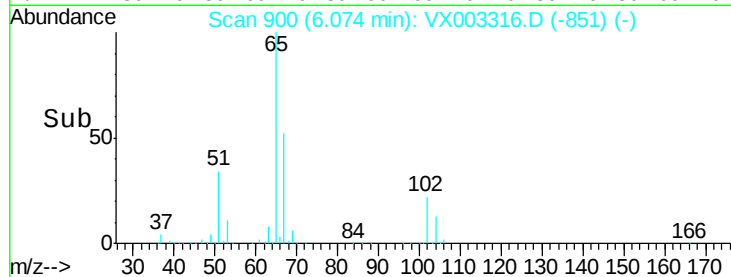
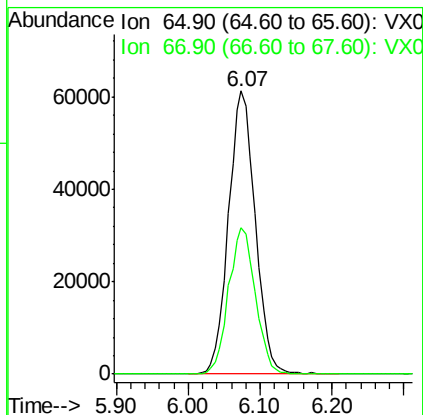
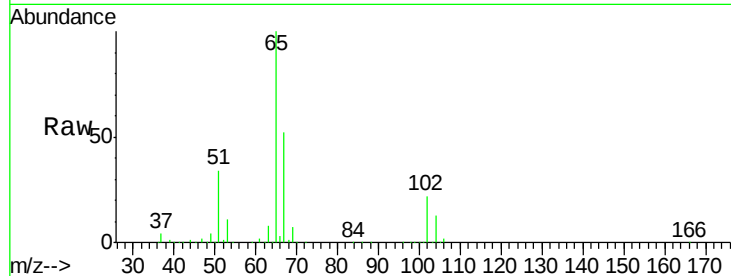
OR-03-070918

Tot Ion: 65 Resp: 158246

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003316.D

Acq: 11 Jul 2018 06:24

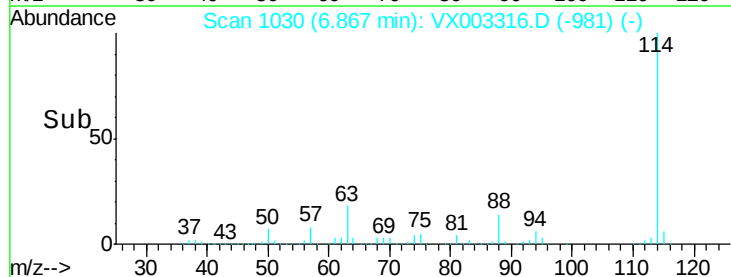
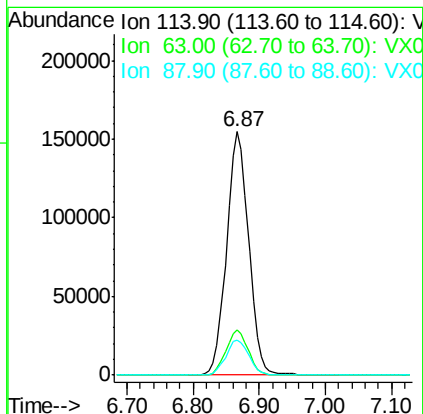
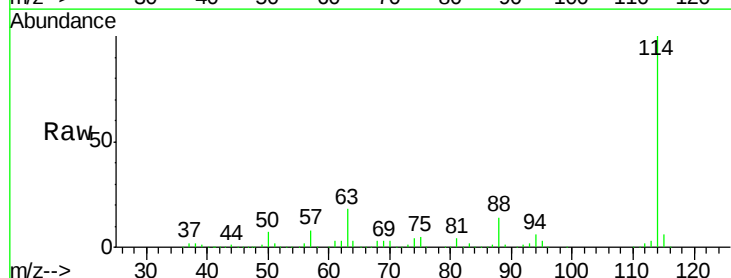
Tgt Ion: 114 Resp: 357999

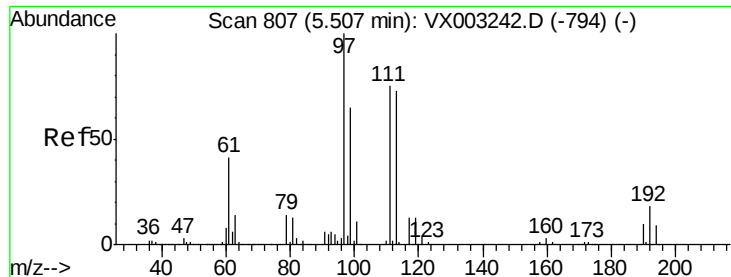
Ion Ratio Lower Upper

114 100

63 18.3 0.0 41.4

88 14.2 0.0 30.0

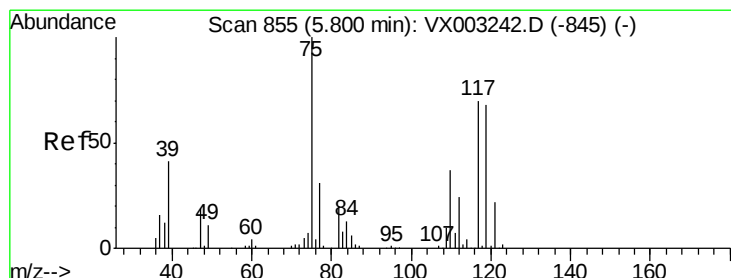
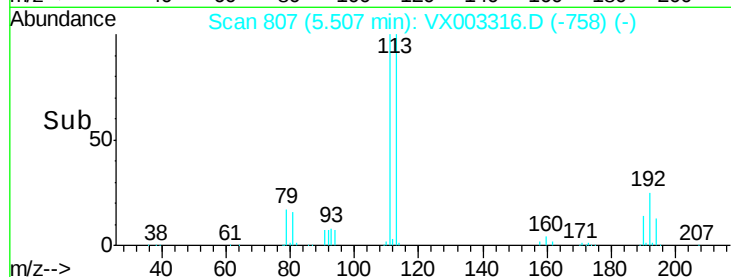
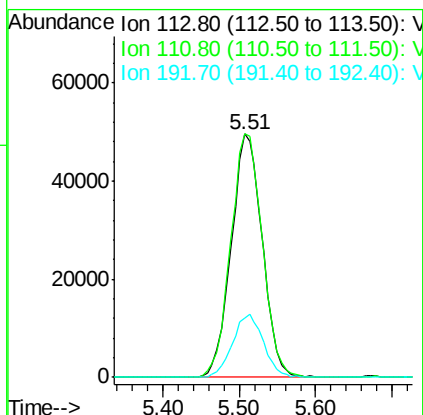
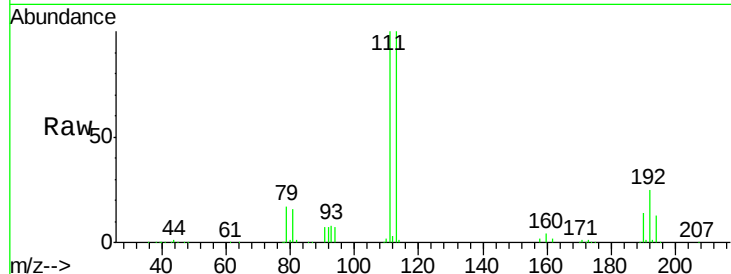




#35
 Dibromofluoromethane
 Concen: 36.16 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003316.D
 Acq: 11 Jul 2018 06:24

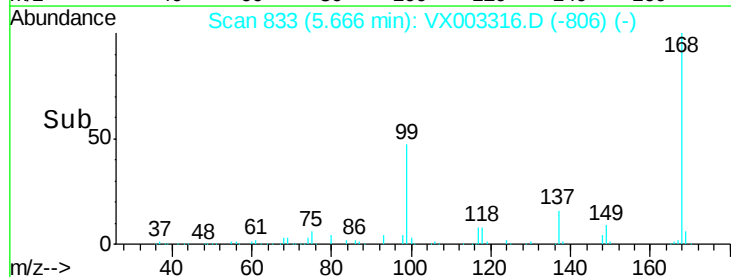
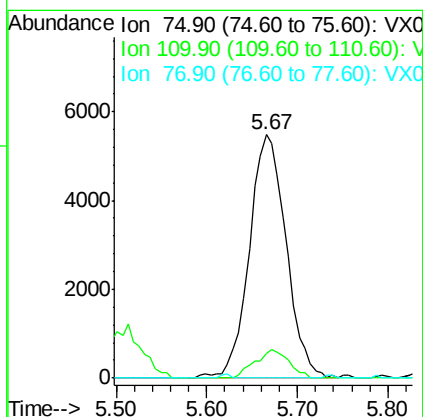
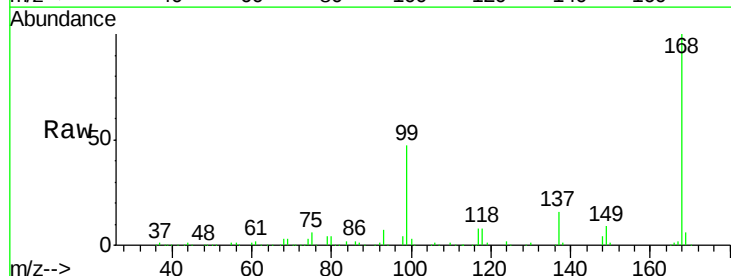
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-03-070918

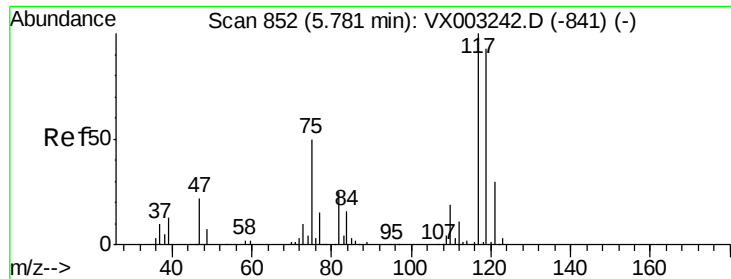
Tot Ion:113 Resp: 139091
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.4 122.0
 192 25.7 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 3.04 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003316.D
 Acq: 11 Jul 2018 06:24

Tgt Ion: 75 Resp: 15411
 Ion Ratio Lower Upper
 75 100
 110 10.7 18.1 54.4#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 4.15 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003316.D

Acq: 11 Jul 2018 06:24

Instrument :

MSVOA_X

ClientSampleId :

OR-03-070918

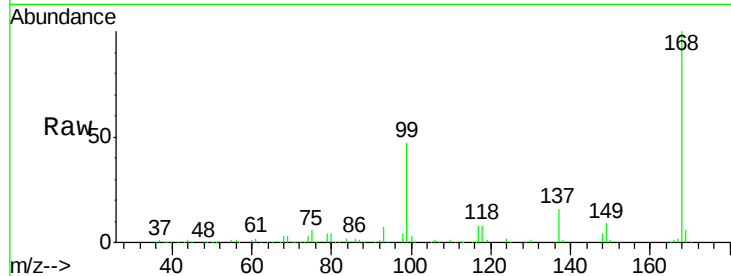
Tot Ion:117 Resp: 23029

Ion Ratio Lower Upper

117 100

119 6.0 77.4 116.0#

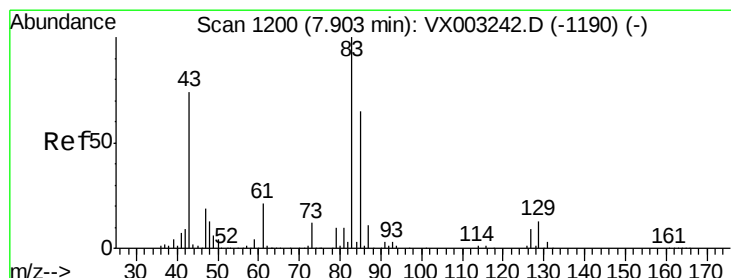
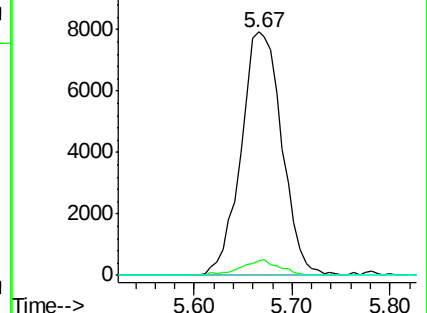
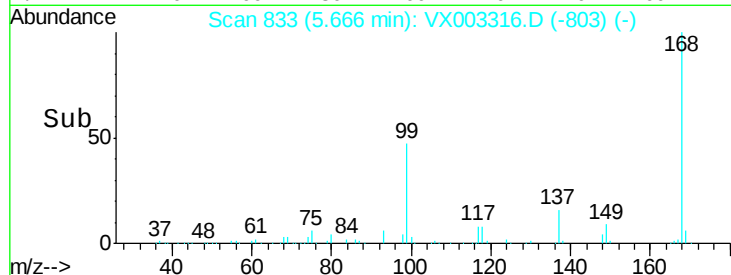
121 0.0 24.4 36.6#



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



#47

Bromodichloromethane

Concen: 0.37 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003316.D

Acq: 11 Jul 2018 06:24

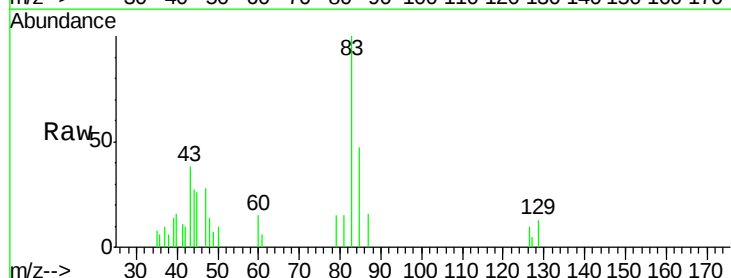
Tgt Ion: 83 Resp: 1824

Ion Ratio Lower Upper

83 100

85 47.3 50.3 75.5#

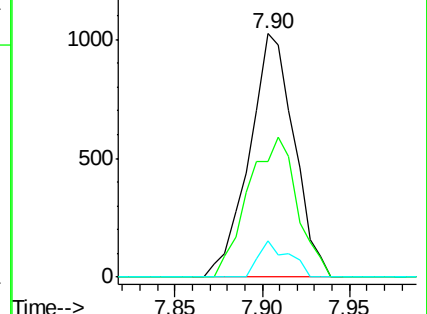
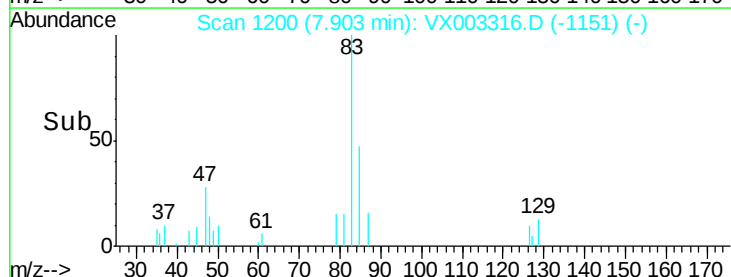
127 14.7 7.0 10.4#

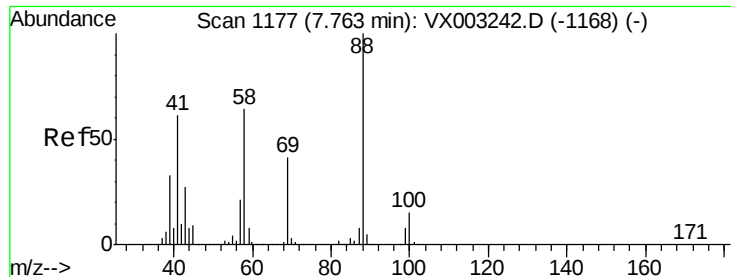


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

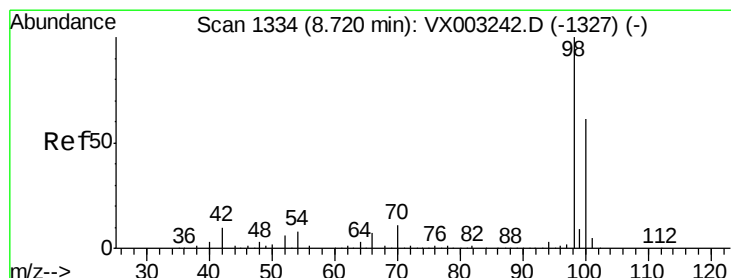
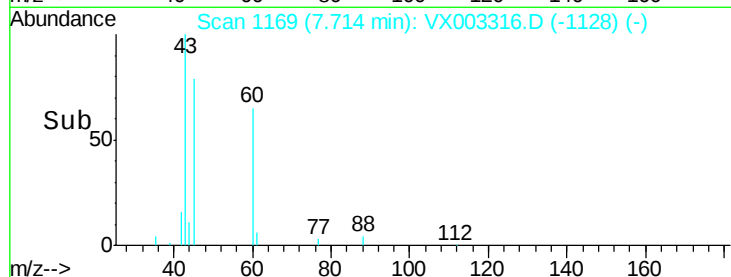
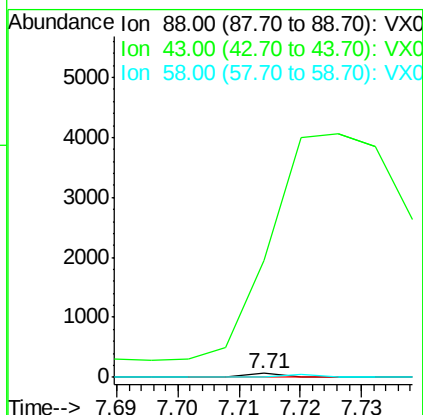
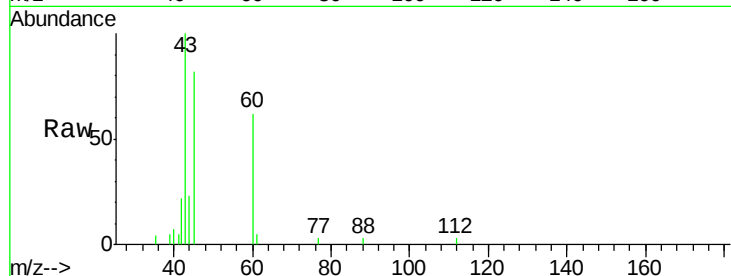




#49
1,4-Dioxane
Concen: 0.24 ug/l
RT: 7.71 min Scan# 1169
Delta R.T. -0.05 min
Lab File: VX003316.D
Acq: 11 Jul 2018 06:24

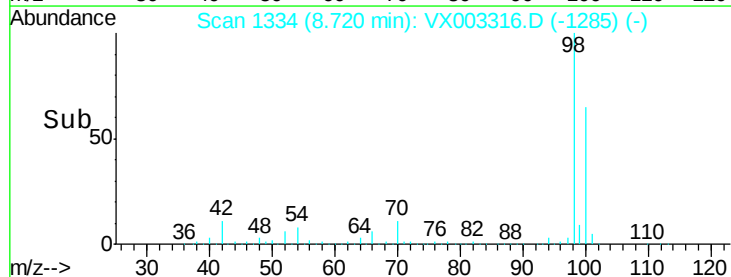
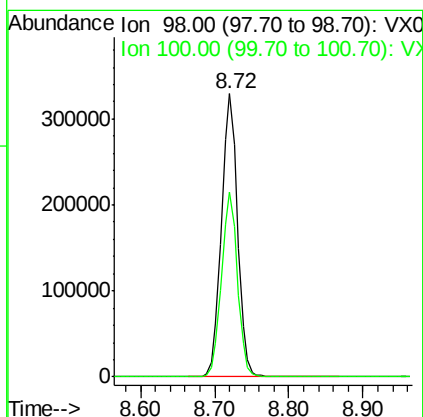
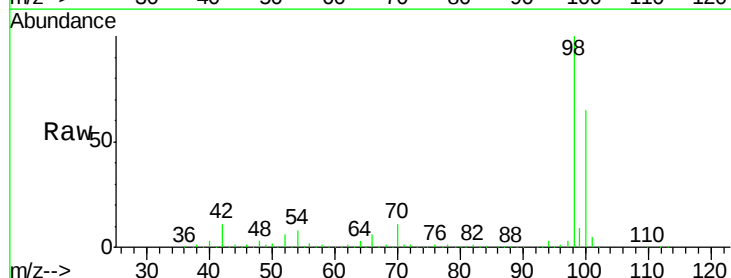
Instrument :
MSVOA_X
ClientSampleId :
OR-03-070918

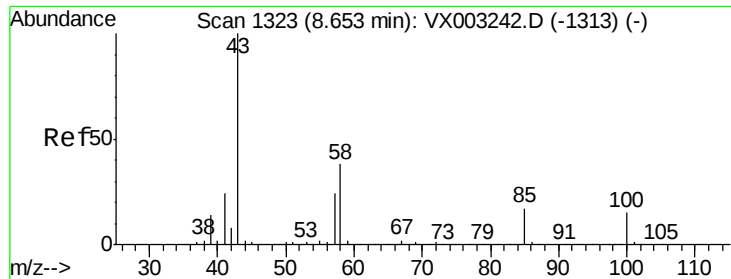
Tot Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 39704.5 29.8 44.6#
58 100.0 57.1 85.7#



#50
Toluene-d8
Concen: 36.34 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003316.D
Acq: 11 Jul 2018 06:24

Tgt Ion: 98 Resp: 496450
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.33 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX003316.D

Acq: 11 Jul 2018 06:24

Instrument :

MSVOA_X

ClientSampleId :

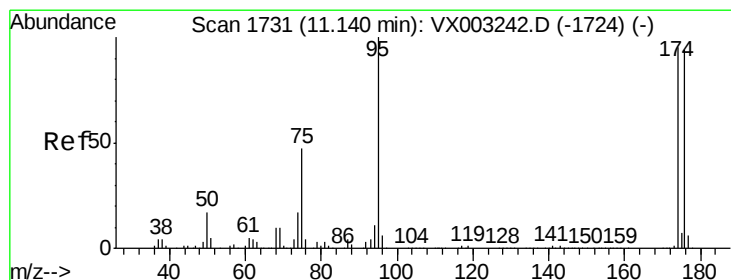
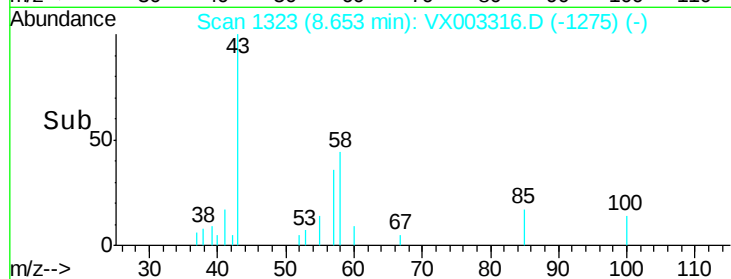
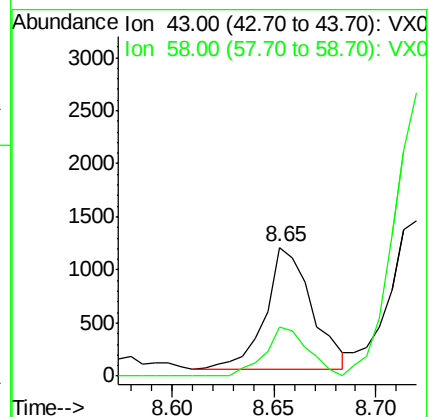
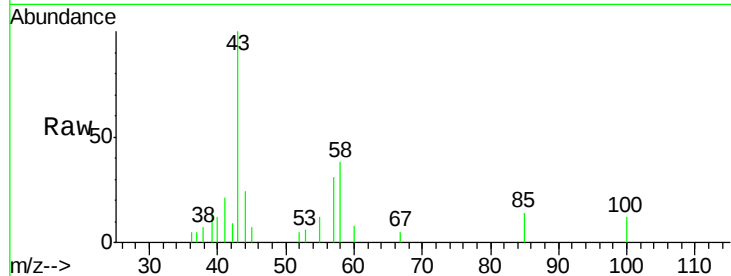
OR-03-070918

Tot Ion: 43 Resp: 1806

Ion Ratio Lower Upper

43 100

58 37.5 28.6 42.8



#62

4-Bromofluorobenzene

Concen: 34.42 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003316.D

Acq: 11 Jul 2018 06:24

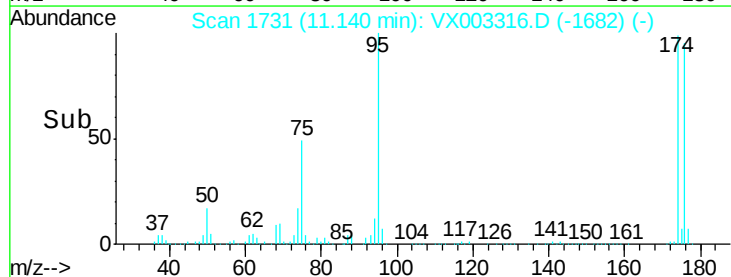
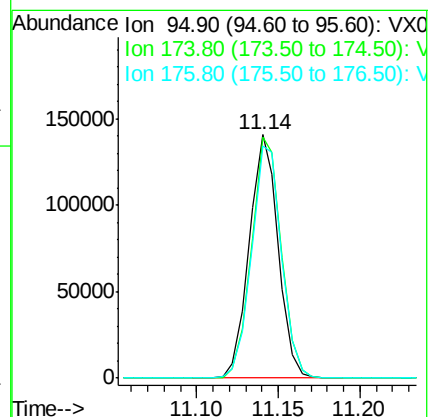
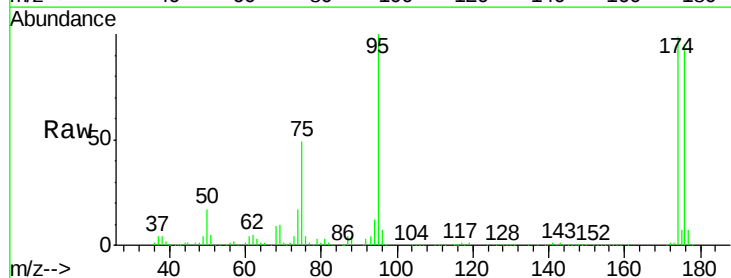
Tgt Ion: 95 Resp: 173736

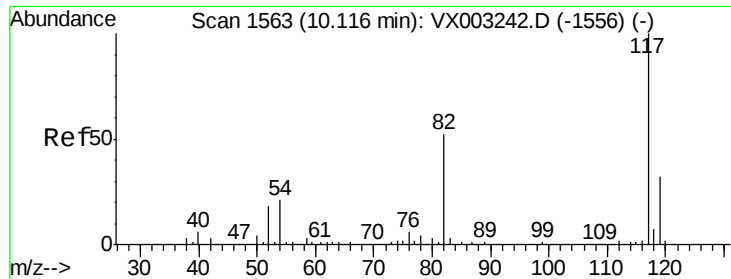
Ion Ratio Lower Upper

95 100

174 101.9 0.0 187.4

176 99.5 0.0 181.0

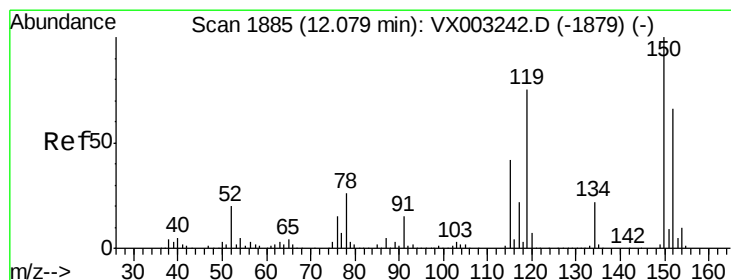
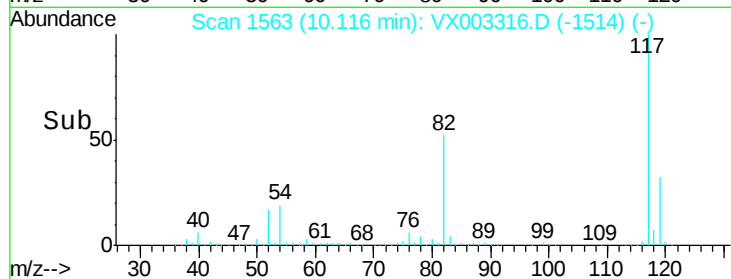
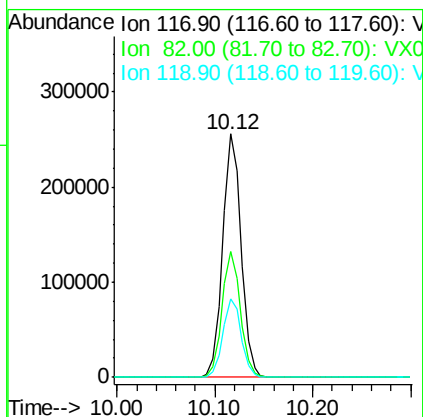
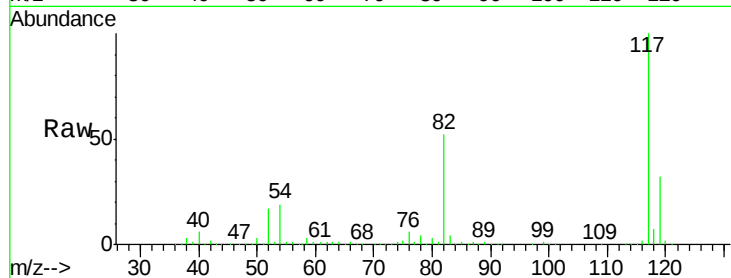




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003316.D
Acq: 11 Jul 2018 06:24

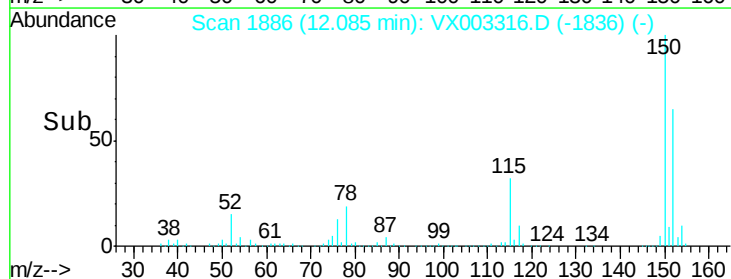
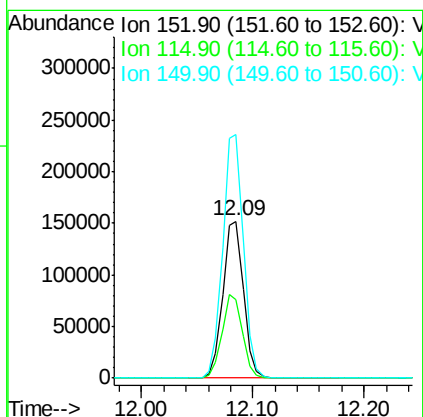
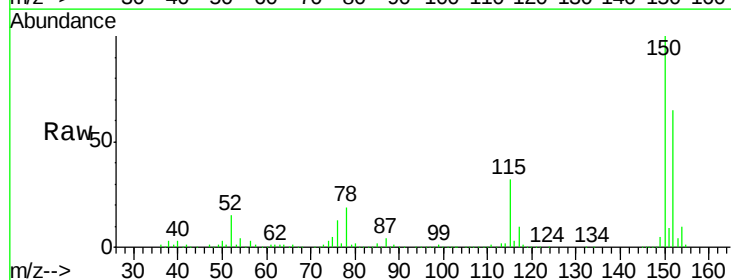
Instrument :
MSVOA_X
ClientSampleId :
OR-03-070918

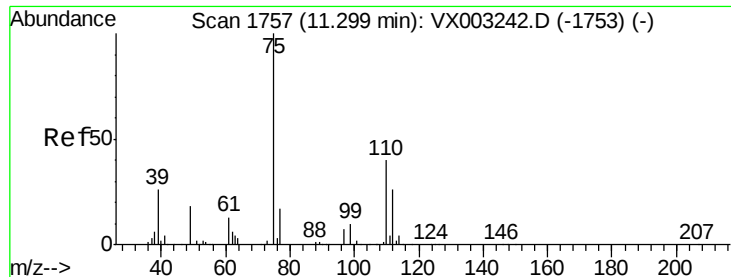
Tot Ion:117 Resp: 335563
Ion Ratio Lower Upper
117 100
82 51.9 45.0 67.4
119 32.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VX003316.D
Acq: 11 Jul 2018 06:24

Tgt Ion:152 Resp: 194532
Ion Ratio Lower Upper
152 100
115 52.2 40.1 120.2
150 155.3 0.0 347.2

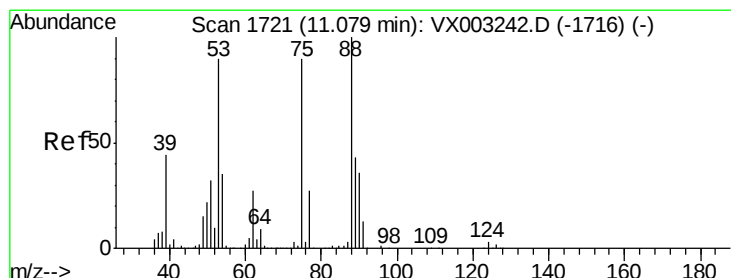
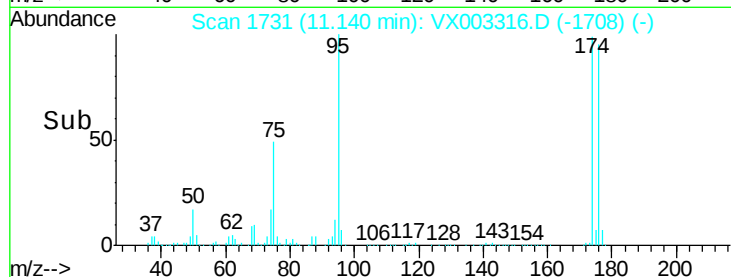
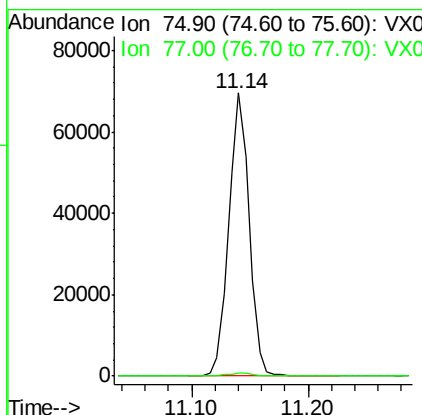
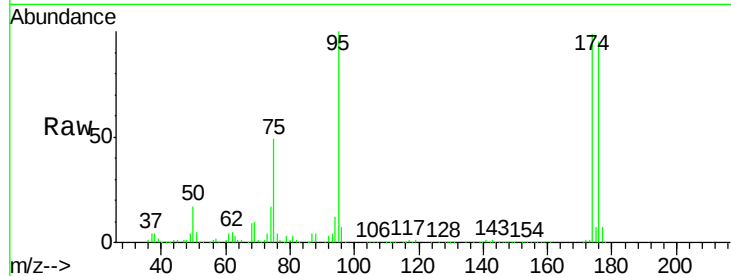




#76
 1,2,3-Trichloropropane
 Concen: 20.06 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003316.D
 Acq: 11 Jul 2018 06:24

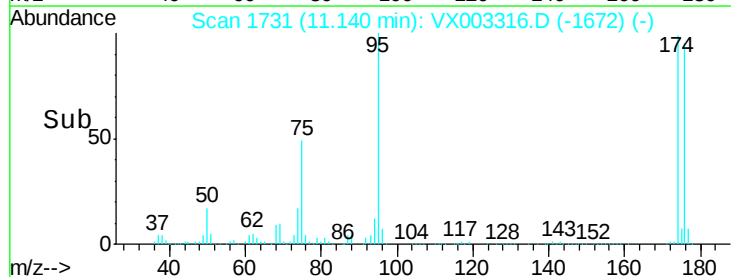
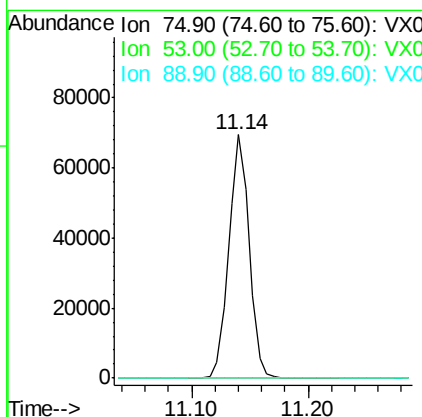
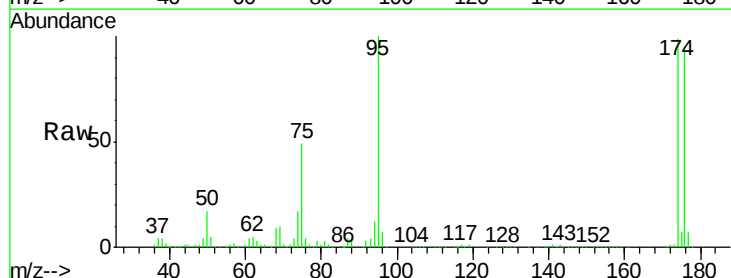
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-03-070918

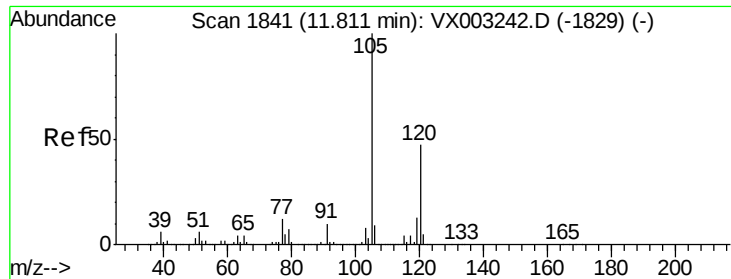
Tot Ion: 75 Resp: 84332
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.56 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003316.D
 Acq: 11 Jul 2018 06:24

Tgt Ion: 75 Resp: 84332
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

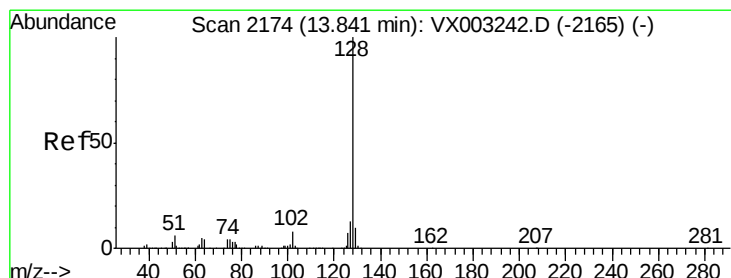
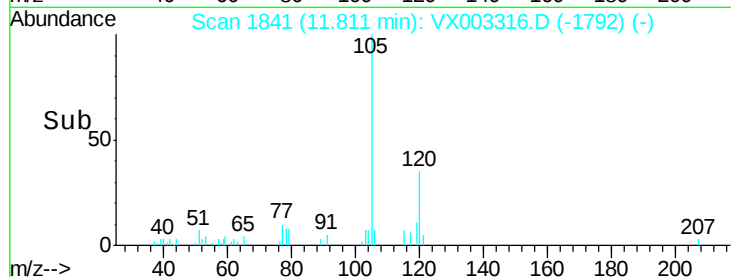
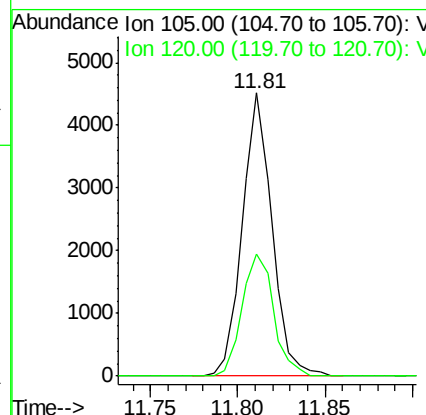
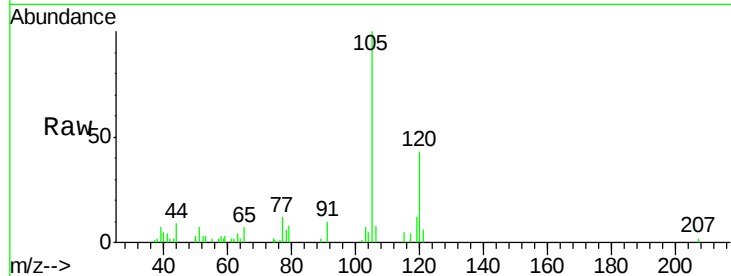




#84
 1,2,4-Trimethylbenzene
 Concen: 0.41 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003316.D
 Acq: 11 Jul 2018 06:24

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-03-070918

Tot Ion:105 Resp: 5318
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.3 66.8



#95
 Naphthalene
 Concen: 14.78 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. 0.01 min
 Lab File: VX003316.D
 Acq: 11 Jul 2018 06:24

Tgt Ion:128 Resp: 229885
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.4 15.6
 129 11.3 8.6 13.0

