

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011519\
 Data File : VX007056.D
 Acq On : 15 Jan 2019 14:13
 Operator : JC/SP
 Sample : K1149-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SW004-190114-01

Quant Time: Jan 16 00:03:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	551084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	850673	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	789817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	381524	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	298177	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
35) Dibromofluoromethane	5.51	113	266826	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
50) Toluene-d8	8.71	98	1020813	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
62) 4-Bromofluorobenzene	11.13	95	361283	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	

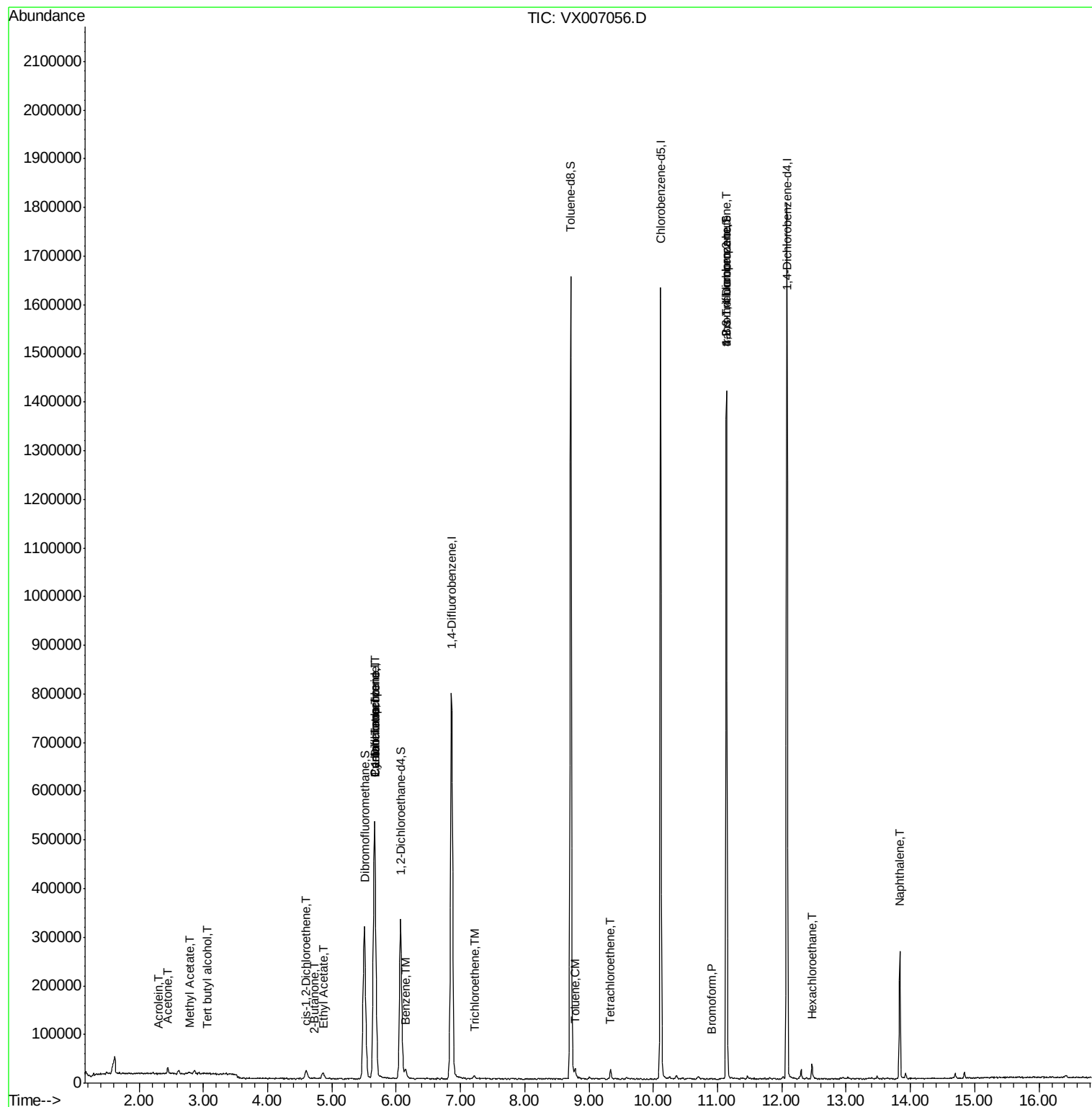
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	617	0.454	ug/l #	1
13) Acrolein	2.30	56	721	4.299	ug/l #	13
16) Acetone	2.45	43	13001	4.566	ug/l	97
18) Methyl Acetate	2.79	43	3012	0.365	ug/l #	86
25) 2-Butanone	4.71	43	947	0.232	ug/l #	80
27) cis-1,2-Dichloroethene	4.60	96	10780	1.732	ug/l	97
31) Cyclohexane	5.67	56	9191	1.132	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	34348	4.644	ug/l #	48
37) Ethyl Acetate	4.86	43	21084	2.659	ug/l #	88
38) Carbon Tetrachloride	5.67	117	48743	6.550	ug/l #	14
40) Benzene	6.14	78	21885	0.970	ug/l	98
44) Trichloroethene	7.21	130	2508	0.371	ug/l	80
49) 1,4-Dioxane	7.74	88	90	Below Cal	#	60
52) Toluene	8.79	92	6352	0.438	ug/l	94
64) Tetrachloroethene	9.34	164	4164	0.609	ug/l #	81
71) Bromoform	10.90	173	164	4.756	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	170167	22.010	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	170167	65.180	ug/l #	10
90) Hexachloroethane	12.47	117	1478	3.272	ug/l #	6
95) Naphthalene	13.83	128	159546	5.804	ug/l	98

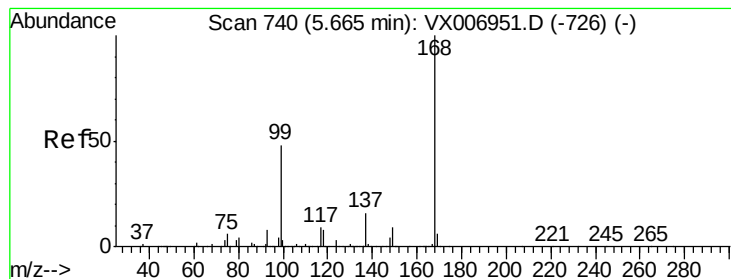
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007056.D

Acq: 15 Jan 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

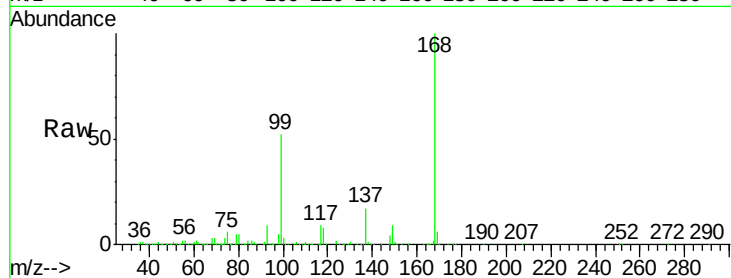
SW004-190114-01

Tot Ion:168 Resp: 551084

Ion Ratio Lower Upper

168 100

99 51.5 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

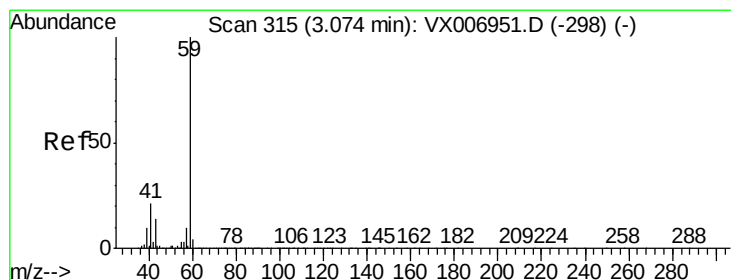
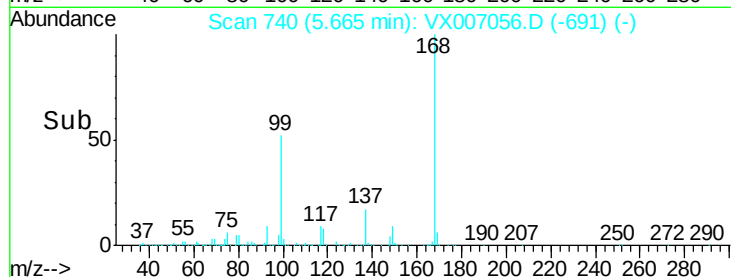
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.454 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX007056.D

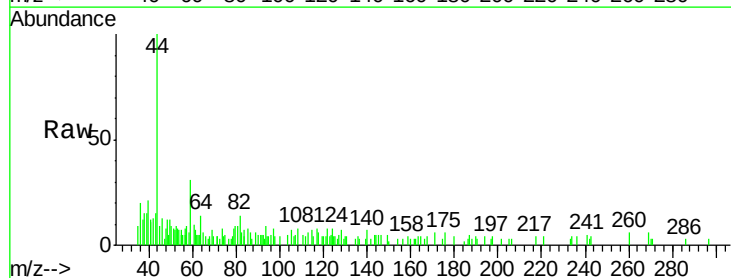
Acq: 15 Jan 2019 14:13

Tgt Ion: 59 Resp: 617

Ion Ratio Lower Upper

59 100

57 76.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.06

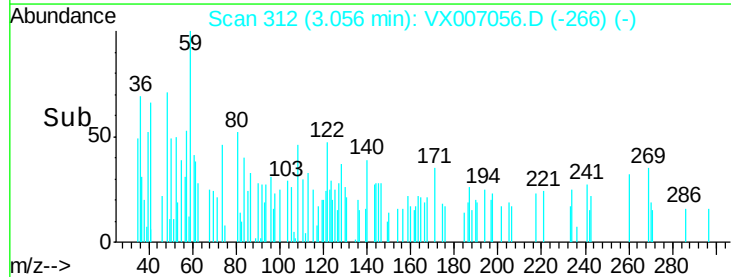
600

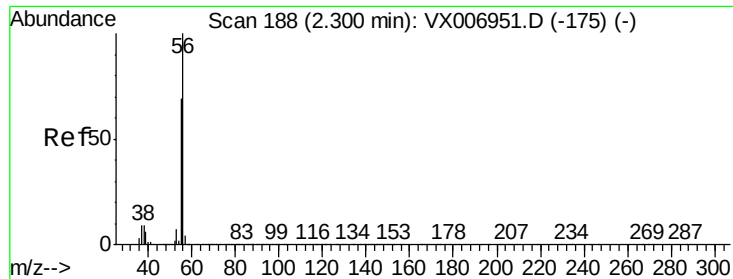
400

200

0

Time-->





#13

Acrolein

Concen: 4.299 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007056.D

Acq: 15 Jan 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

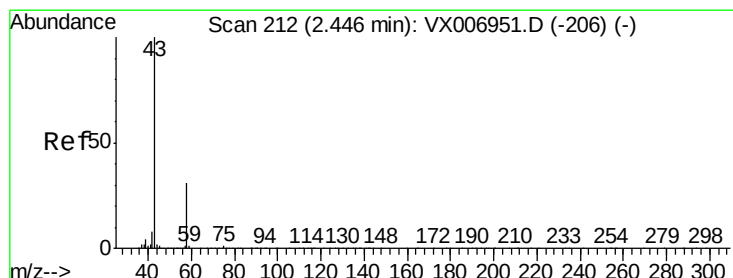
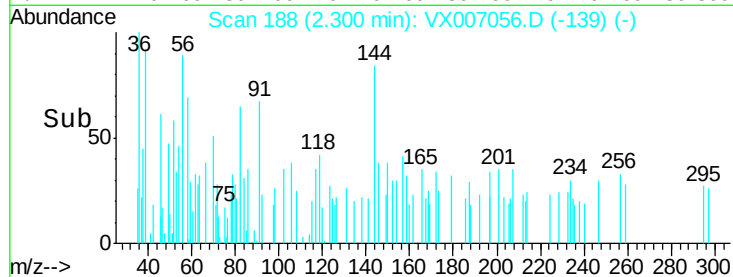
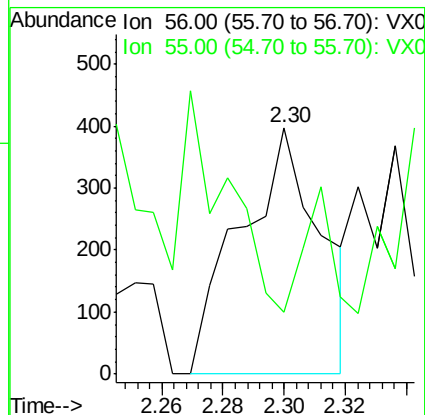
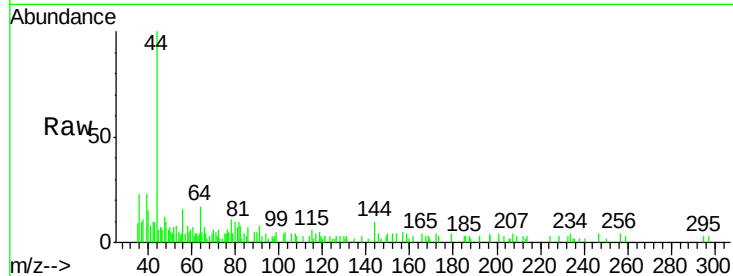
SW004-190114-01

Tot Ion: 56 Resp: 721

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.4#



#16

Acetone

Concen: 4.566 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007056.D

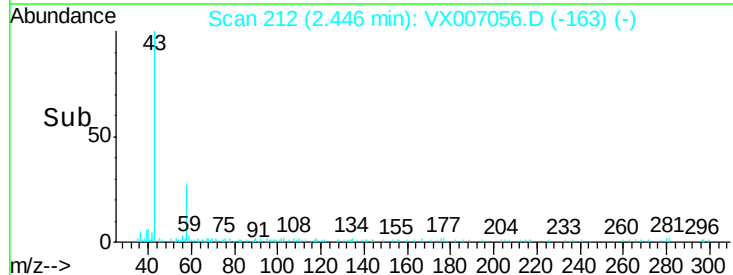
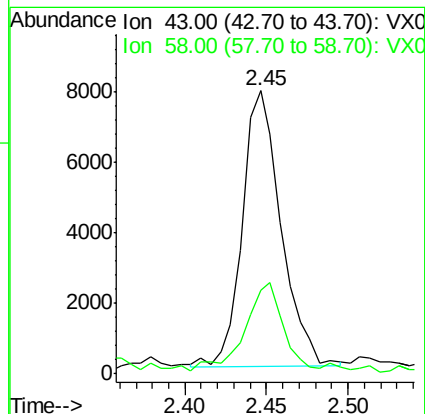
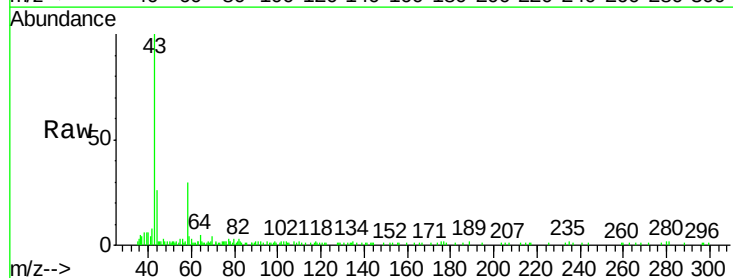
Acq: 15 Jan 2019 14:13

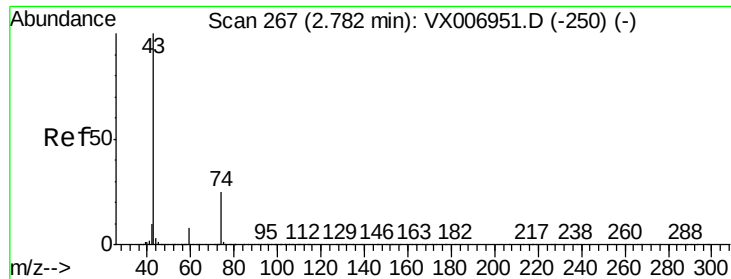
Tgt Ion: 43 Resp: 13001

Ion Ratio Lower Upper

43 100

58 29.5 25.0 37.6

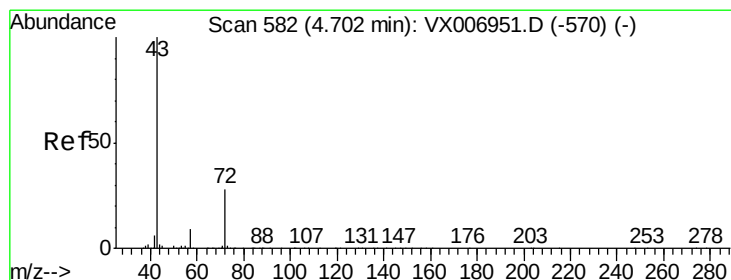
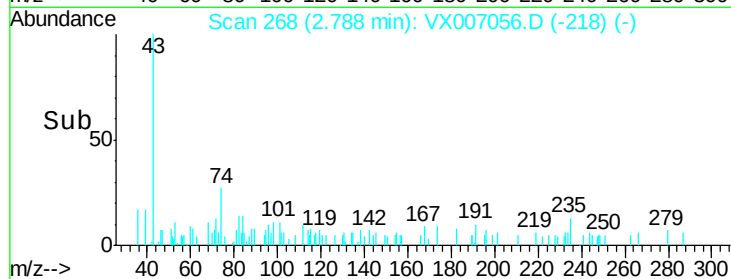
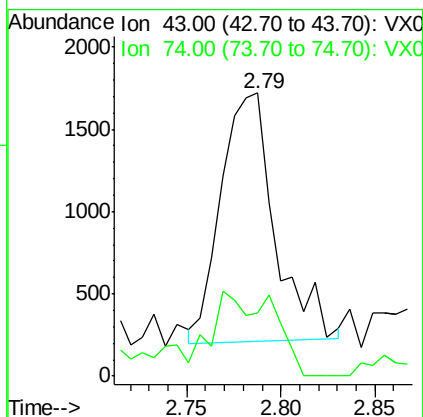
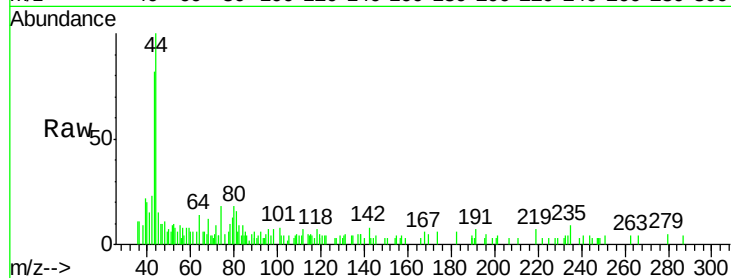




#18
Methyl Acetate
Concen: 0.365 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX007056.D
Acq: 15 Jan 2019 14:13

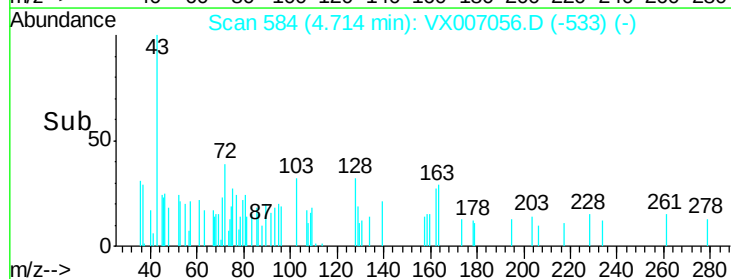
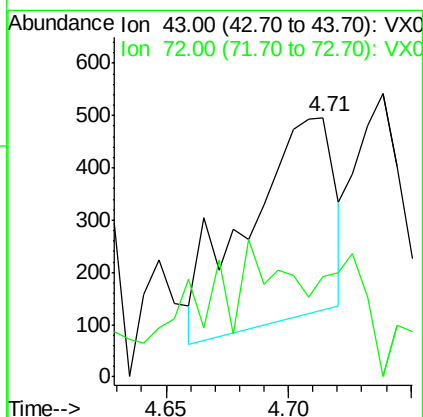
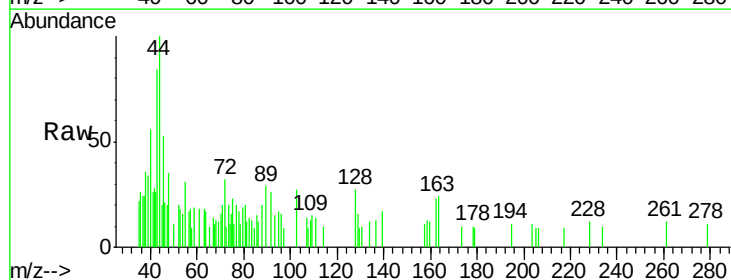
Instrument :
MSVOA_X
ClientSampleId :
SW004-190114-01

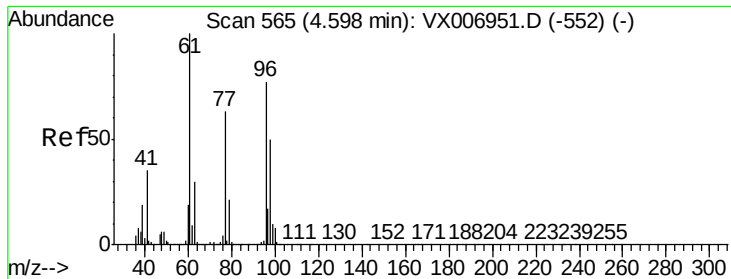
Tot Ion: 43 Resp: 3012
Ion Ratio Lower Upper
43 100
74 16.5 18.6 28.0#



#25
2-Butanone
Concen: 0.232 ug/l
RT: 4.71 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX007056.D
Acq: 15 Jan 2019 14:13

Tgt Ion: 43 Resp: 947
Ion Ratio Lower Upper
43 100
72 17.5 22.4 33.6#



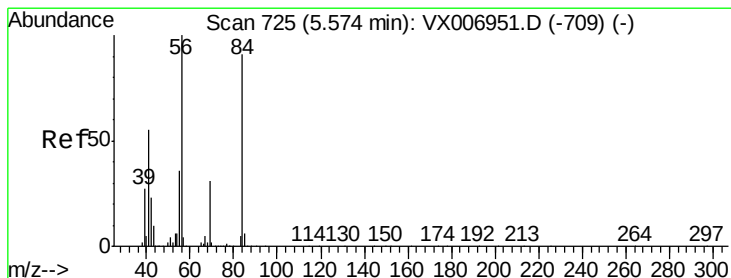
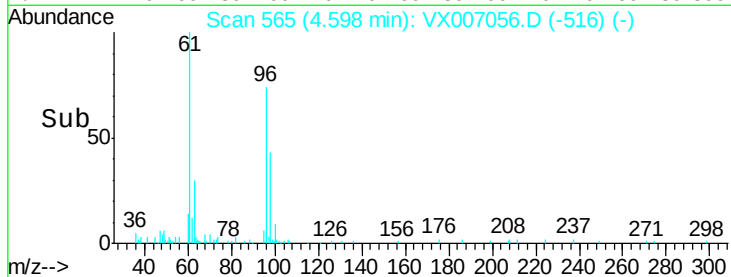
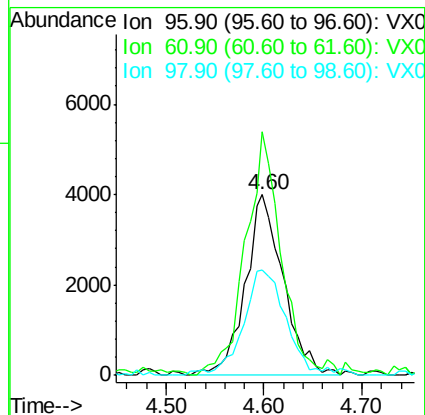
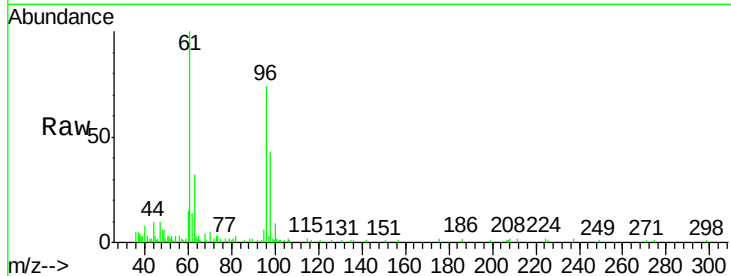


#27

cis-1,2-Dichloroethene
 Concen: 1.732 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX007056.D
 Acq: 15 Jan 2019 14:13

Instrument :
 MSVOA_X
 ClientSampleId :
 SW004-190114-01

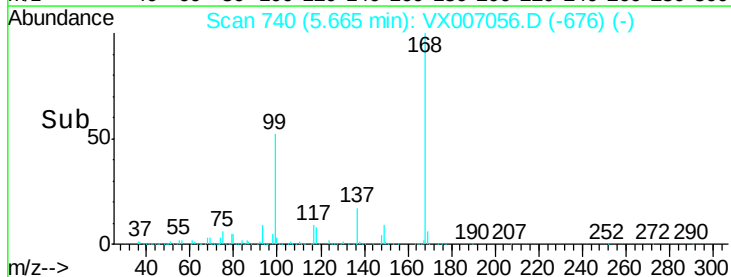
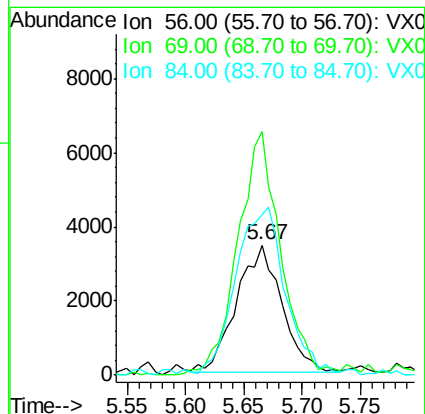
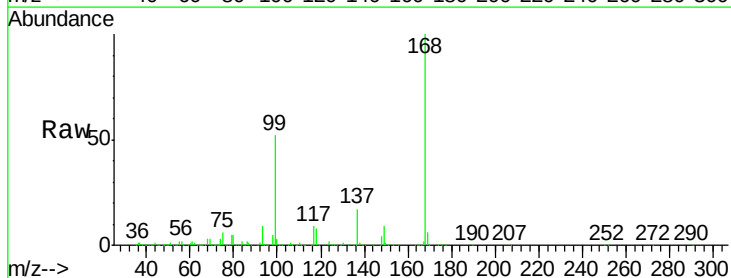
Tot Ion	Ratio	Lower	Upper
96	100		
61	125.3	0.0	258.6
98	65.1	0.0	132.0

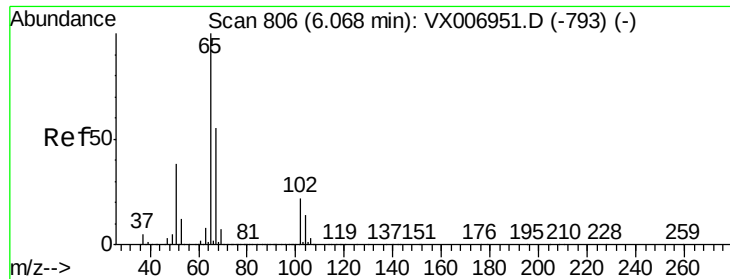


#31

Cyclohexane
 Concen: 1.132 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.09 min
 Lab File: VX007056.D
 Acq: 15 Jan 2019 14:13

Tgt Ion	Ratio	Lower	Upper
56	100		
69	189.4	24.4	36.6#
84	125.4	70.0	105.0#

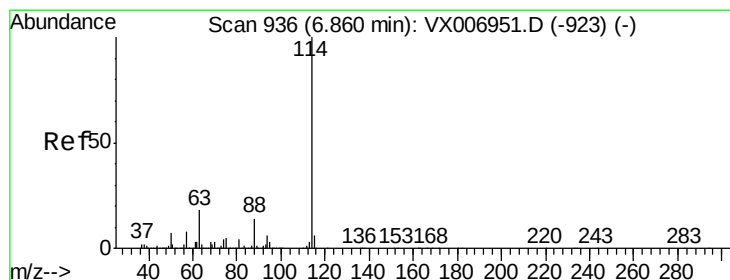
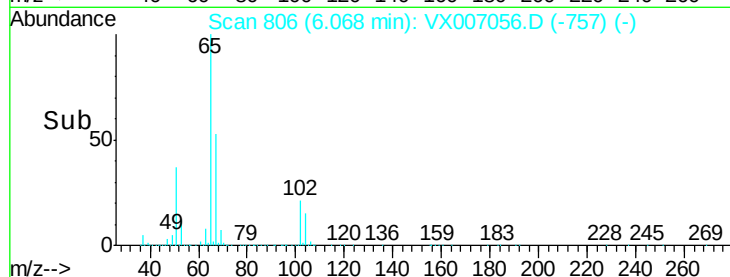
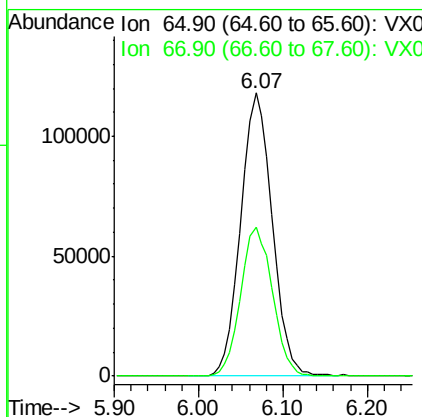
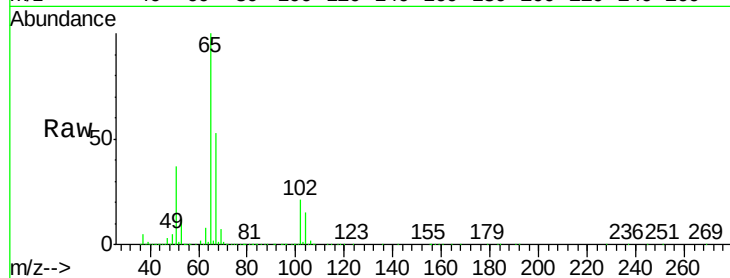




#33
 1,2-Dichloroethane-d4
 Concen: 51.773 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007056.D
 Acq: 15 Jan 2019 14:13

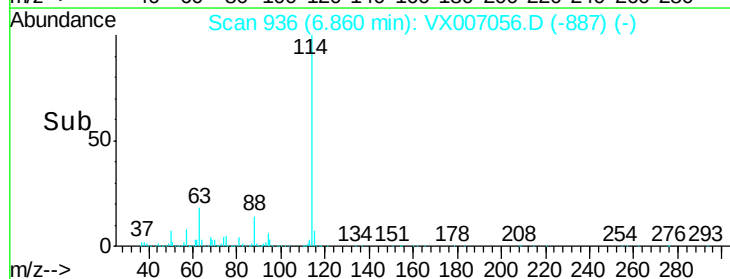
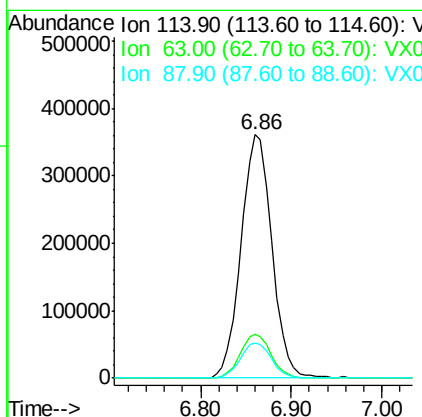
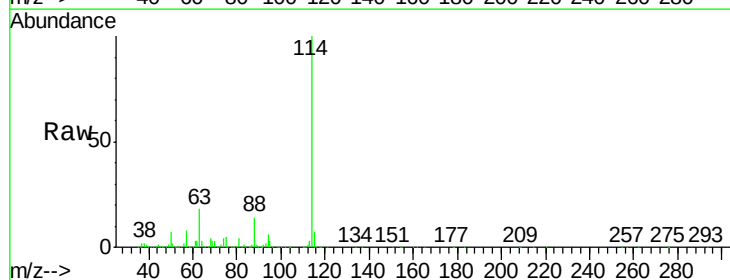
Instrument :
 MSVOA_X
 ClientSampleId :
 SW004-190114-01

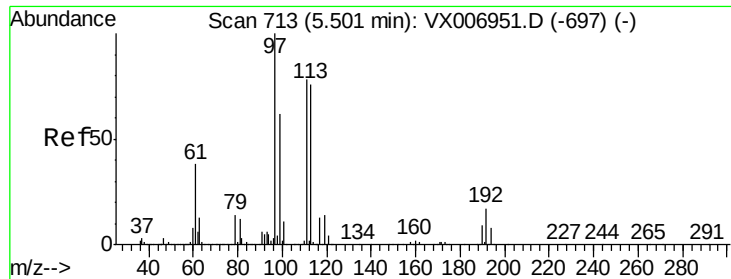
Tot Ion: 65 Resp: 298177
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007056.D
 Acq: 15 Jan 2019 14:13

Tgt Ion: 114 Resp: 850673
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 34.8
 88 14.1 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.980 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007056.D

Acq: 15 Jan 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

SW004-190114-01

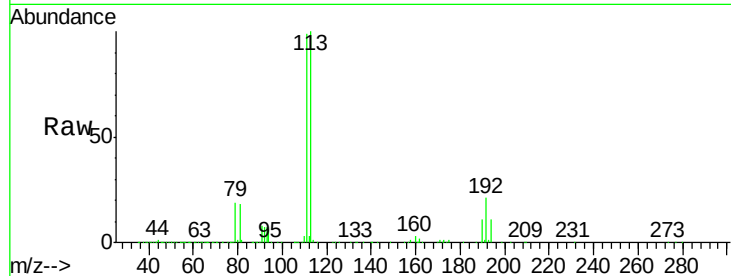
Tot Ion:113 Resp: 266826

Ion Ratio Lower Upper

113 100

111 100.2 81.6 122.4

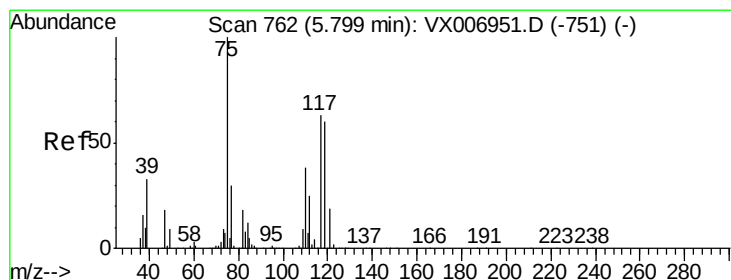
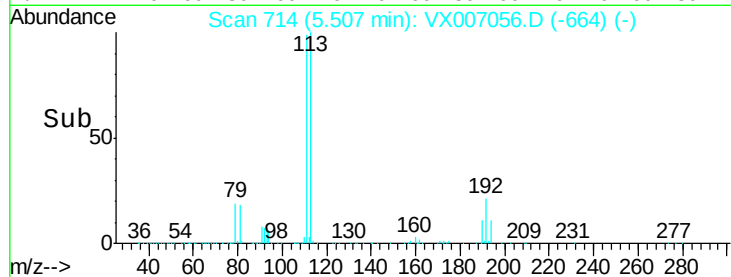
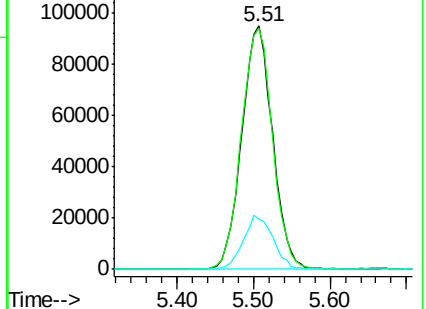
192 21.5 16.7 25.1



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: 4.644 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007056.D

Acq: 15 Jan 2019 14:13

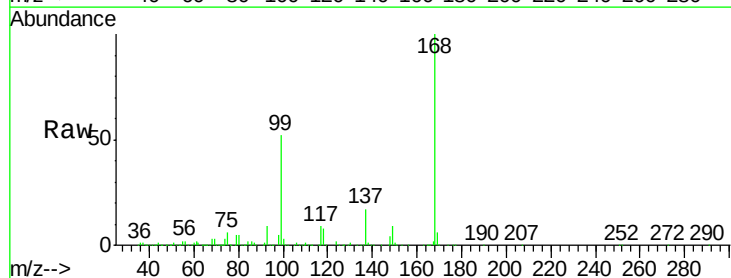
Tgt Ion: 75 Resp: 34348

Ion Ratio Lower Upper

75 100

110 10.6 20.2 60.5#

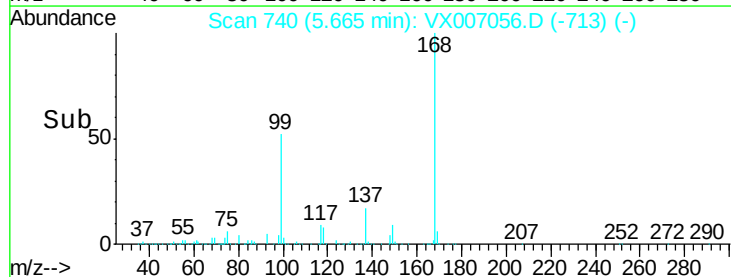
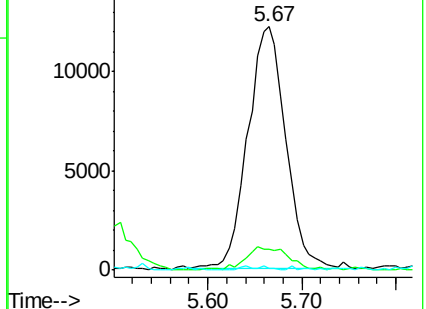
77 0.0 24.8 37.2#

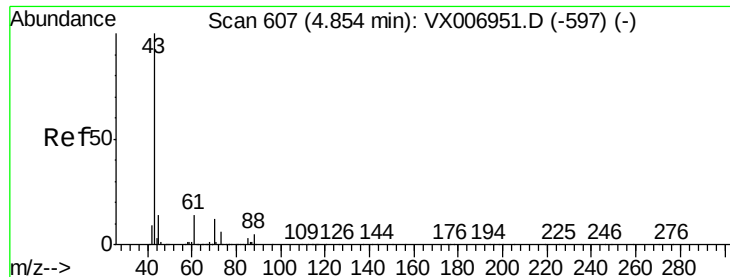


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 2.659 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX007056.D

Acq: 15 Jan 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

SW004-190114-01

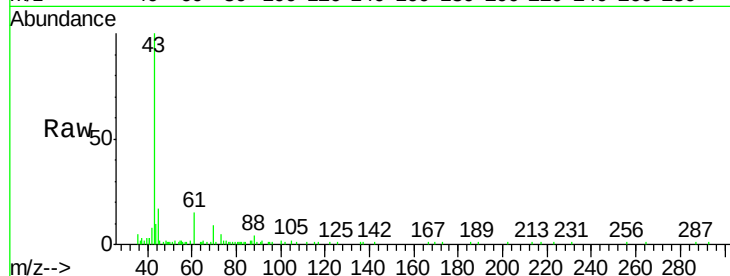
Tot Ion: 43 Resp: 21084

Ion Ratio Lower Upper

43 100

61 19.6 11.9 17.9#

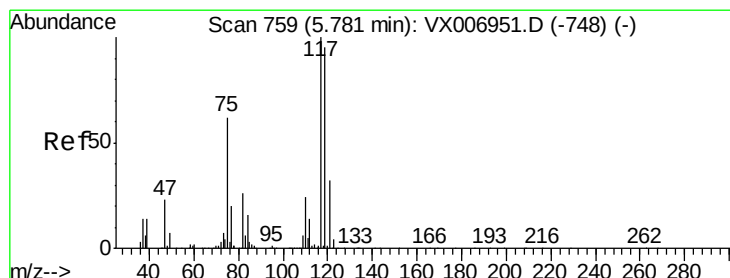
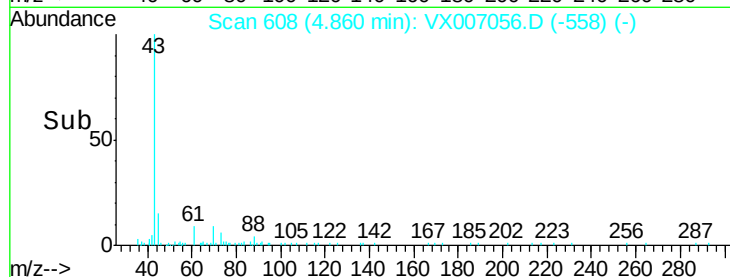
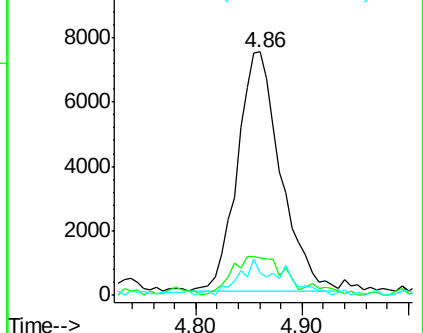
70 6.8 9.7 14.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 6.550 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007056.D

Acq: 15 Jan 2019 14:13

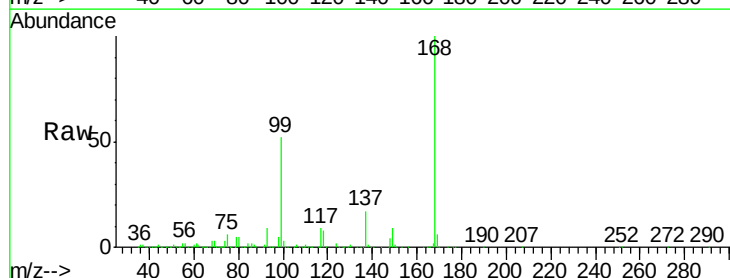
Tgt Ion: 117 Resp: 48743

Ion Ratio Lower Upper

117 100

119 4.2 79.4 119.2#

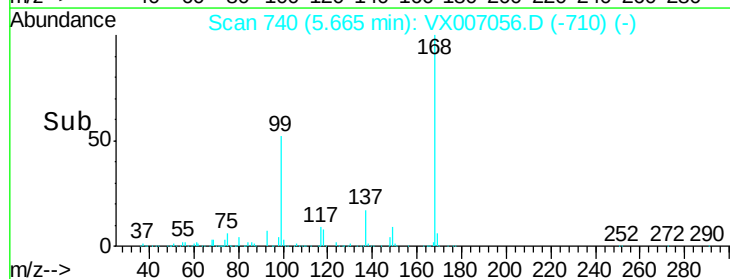
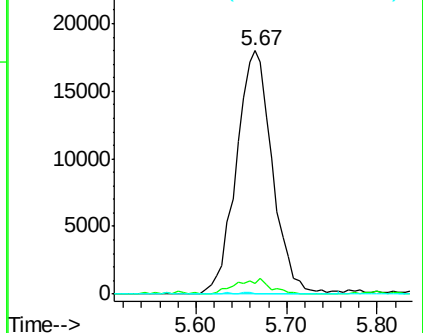
121 0.0 24.0 36.0#

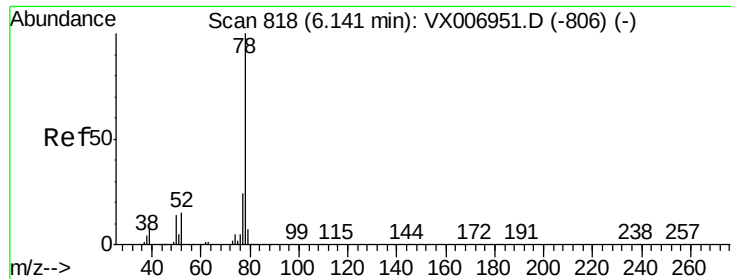


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 0.970 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX007056.D

Acq: 15 Jan 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

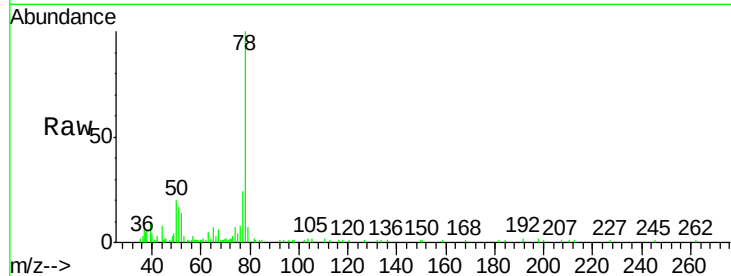
SW004-190114-01

Tot Ion: 78 Resp: 21885

Ion Ratio Lower Upper

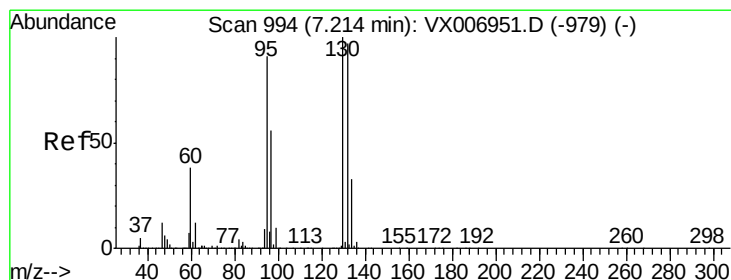
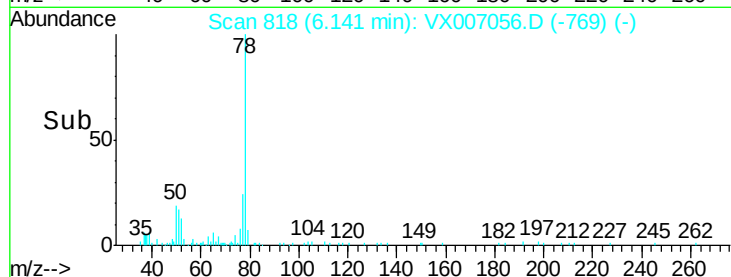
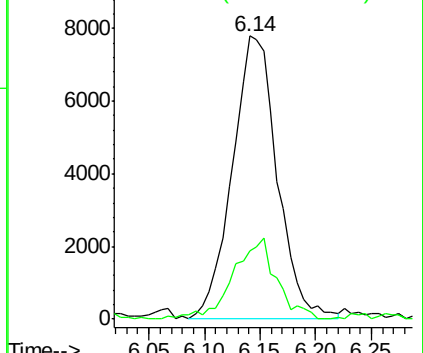
78 100

77 23.2 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#44

Trichloroethene

Concen: 0.371 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX007056.D

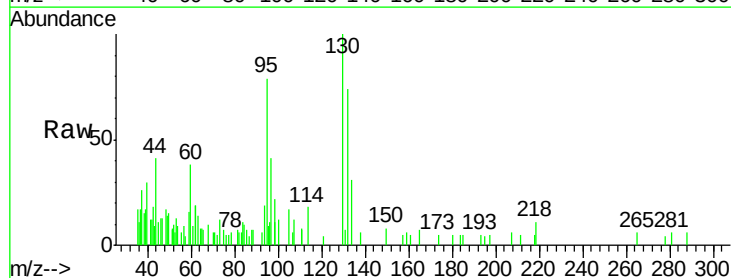
Acq: 15 Jan 2019 14:13

Tgt Ion:130 Resp: 2508

Ion Ratio Lower Upper

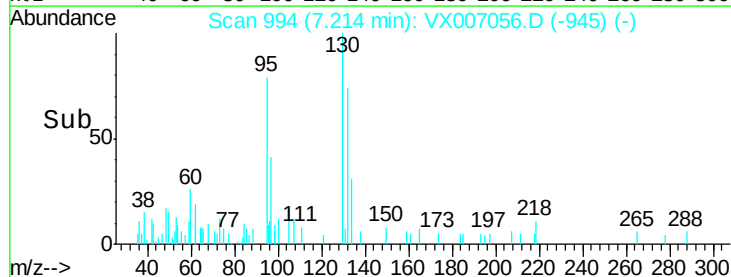
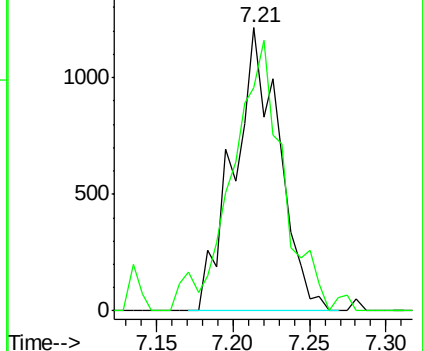
130 100

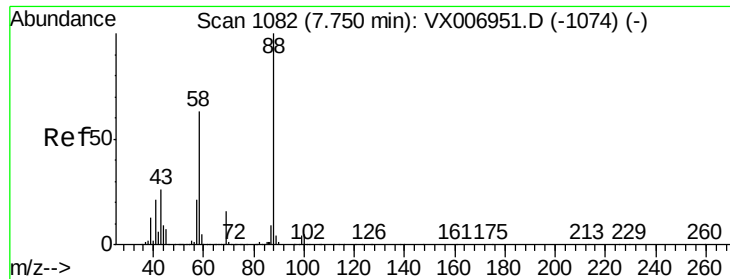
95 73.9 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX007056.D

Acq: 15 Jan 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

SW004-190114-01

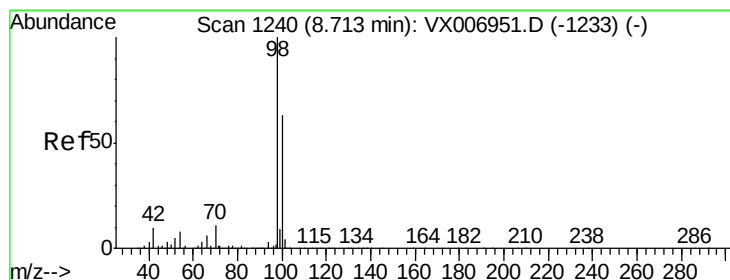
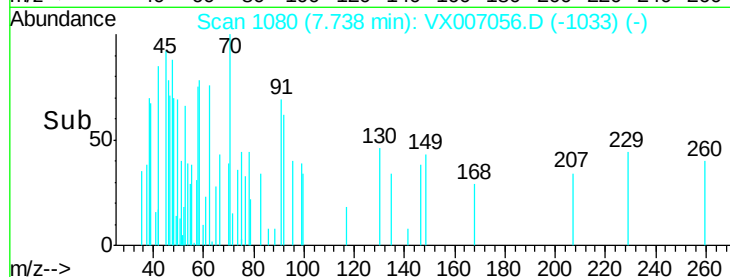
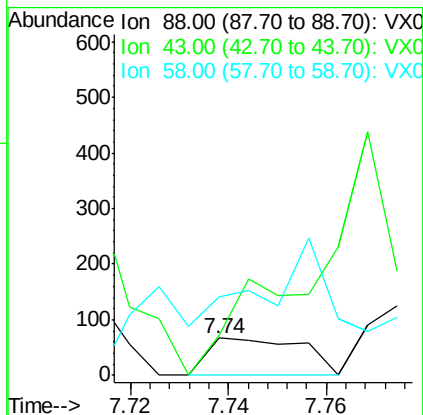
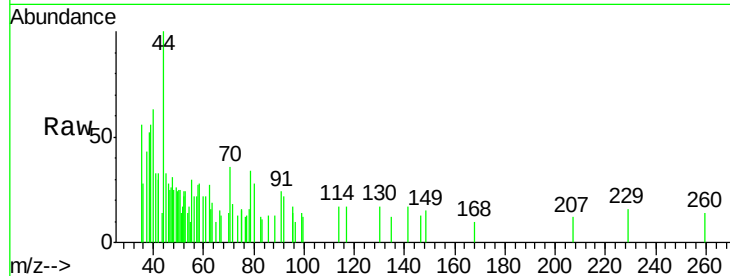
Tot Ion: 88 Resp: 90

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

58 36.7 51.0 76.4#



#50

Toluene-d8

Concen: 51.194 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007056.D

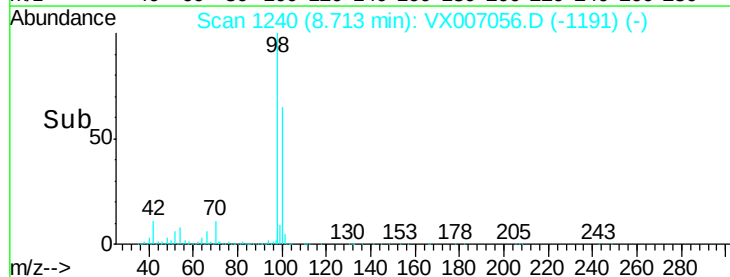
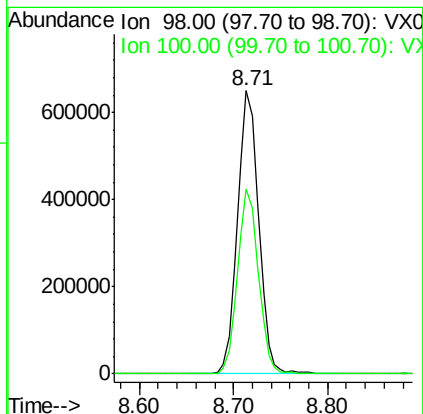
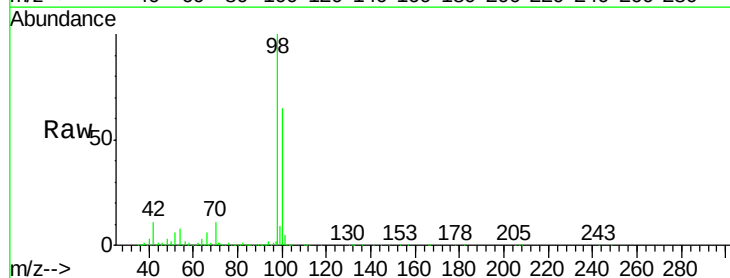
Acq: 15 Jan 2019 14:13

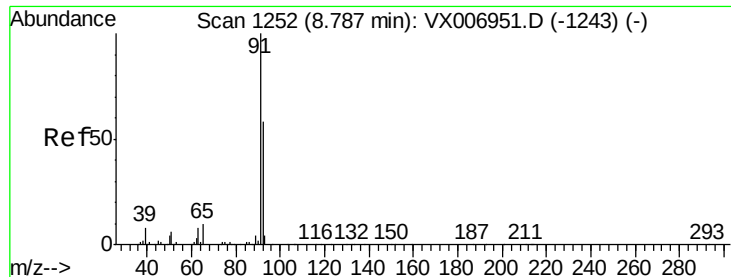
Tgt Ion: 98 Resp: 1020813

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0





#52

Toluene

Concen: 0.438 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX007056.D

Acq: 15 Jan 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

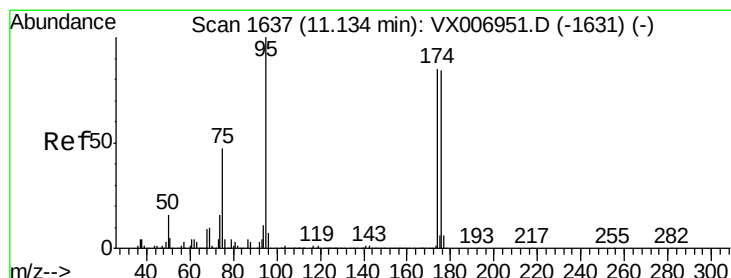
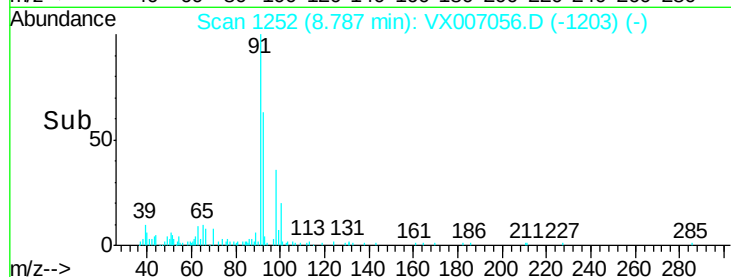
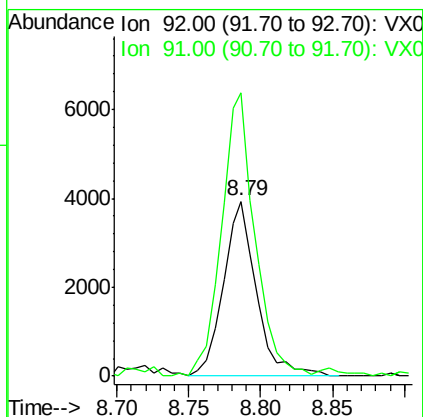
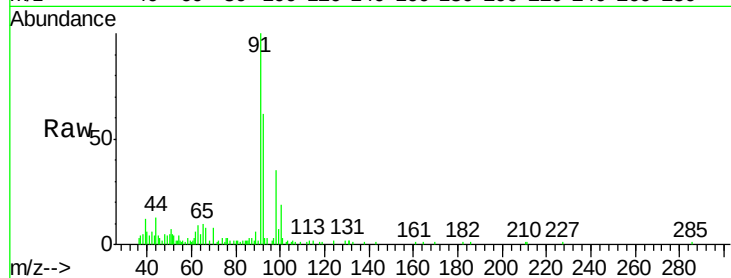
SW004-190114-01

Tot Ion: 92 Resp: 6352

Ion Ratio Lower Upper

92 100

91 163.4 137.6 206.4



#62

4-Bromofluorobenzene

Concen: 51.971 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007056.D

Acq: 15 Jan 2019 14:13

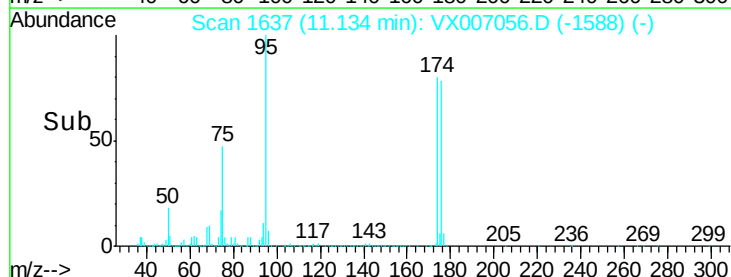
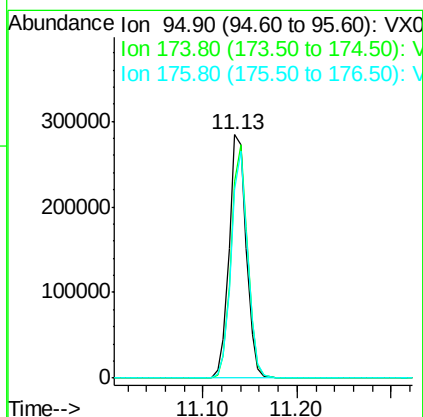
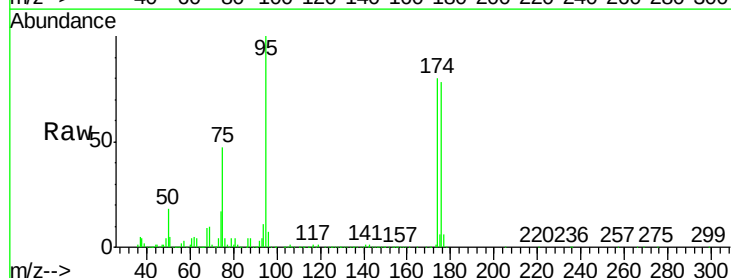
Tgt Ion: 95 Resp: 361283

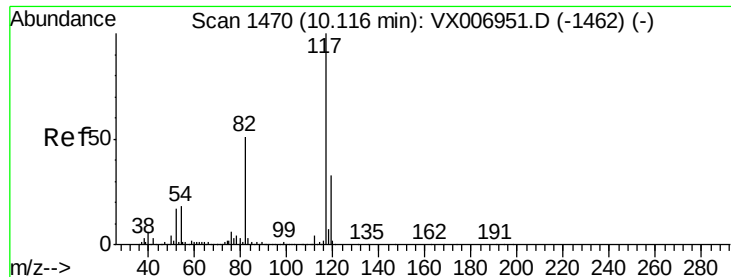
Ion Ratio Lower Upper

95 100

174 91.8 0.0 182.2

176 89.5 0.0 178.8

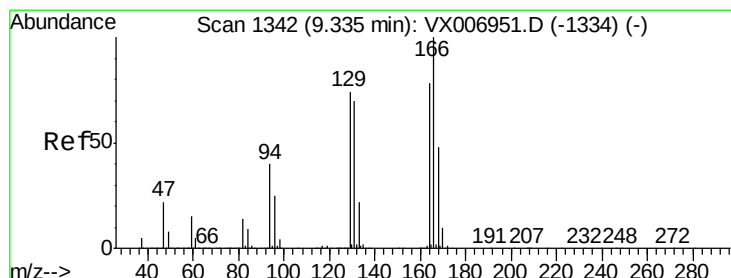
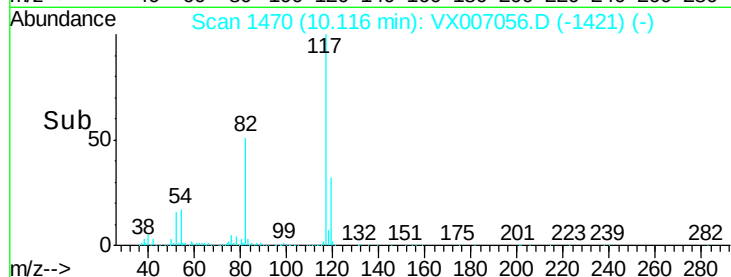
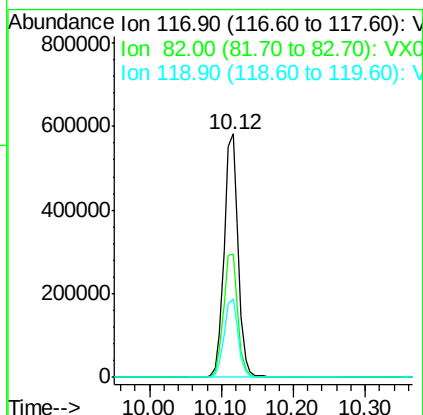
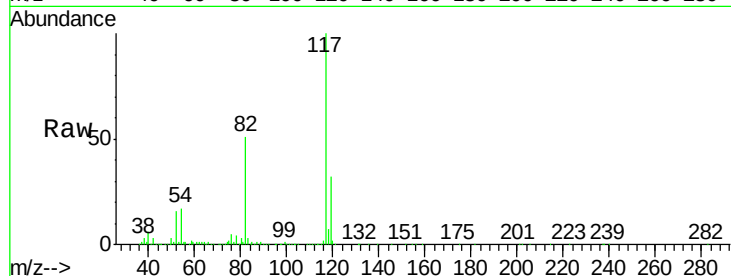




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007056.D
Acq: 15 Jan 2019 14:13

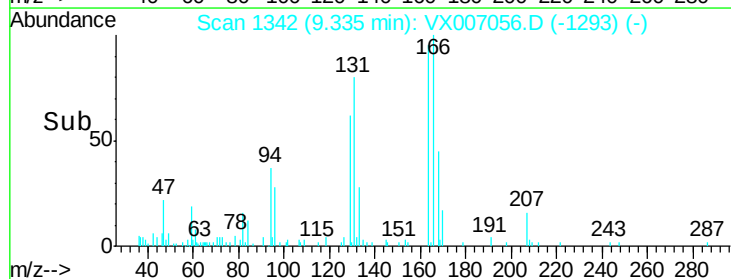
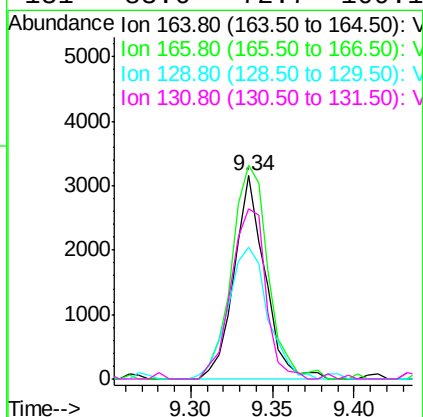
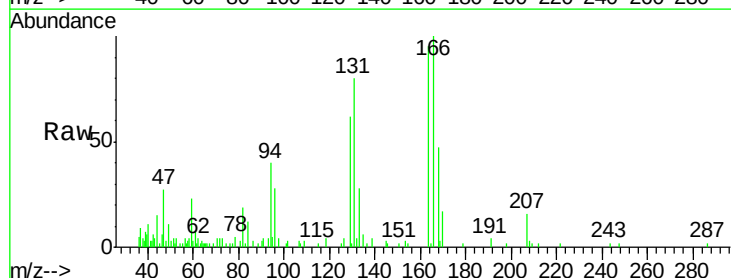
Instrument :
MSVOA_X
ClientSampleId :
SW004-190114-01

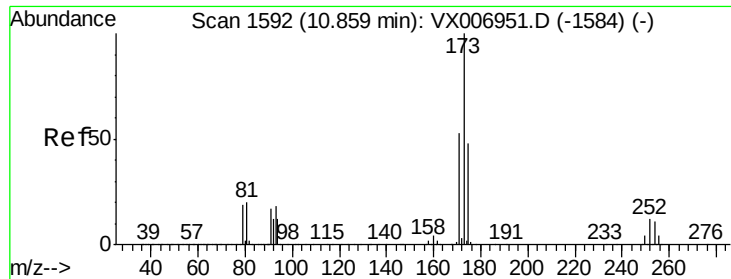
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	41.0	61.6
119	32.2	25.4	38.0



#64
Tetrachloroethene
Concen: 0.609 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007056.D
Acq: 15 Jan 2019 14:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	105.0	102.5	153.7
129	65.1	75.1	112.7
131	83.6	72.7	109.1





#71

Bromoform

Concen: 4.756 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.04 min

Lab File: VX007056.D

Acq: 15 Jan 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

SW004-190114-01

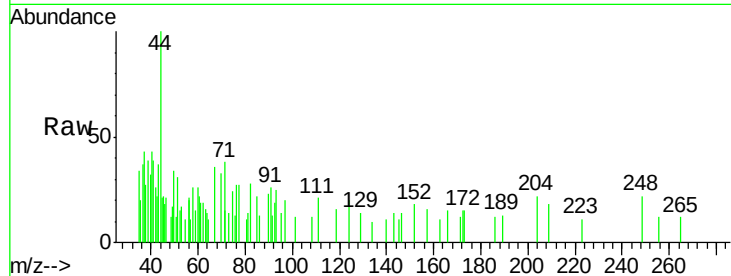
Tot Ion:173 Resp: 164

Ion Ratio Lower Upper

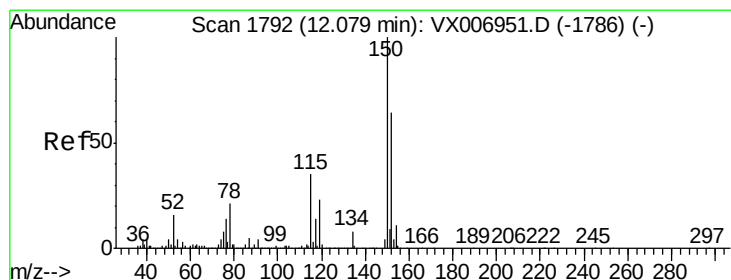
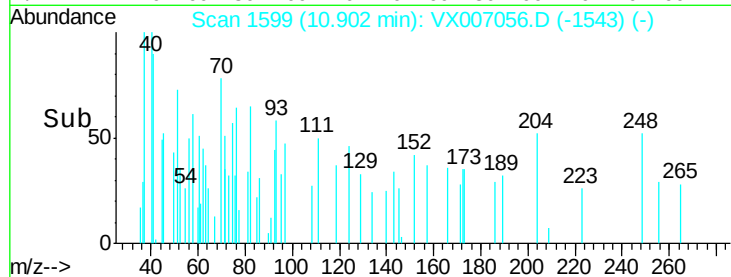
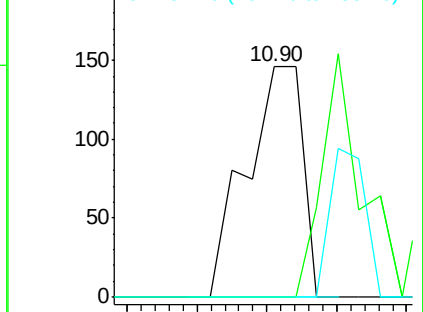
173 100

175 0.0 24.7 74.1#

254 40.9 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): 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: VX007056.D

Acq: 15 Jan 2019 14:13

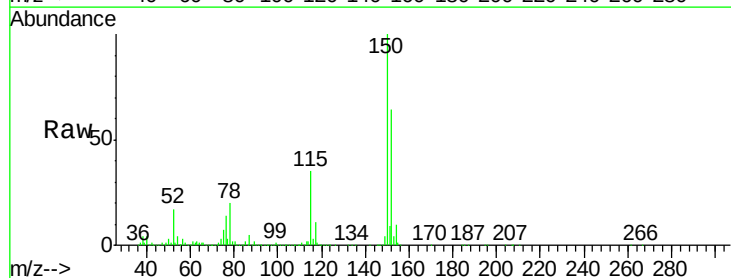
Tgt Ion:152 Resp: 381524

Ion Ratio Lower Upper

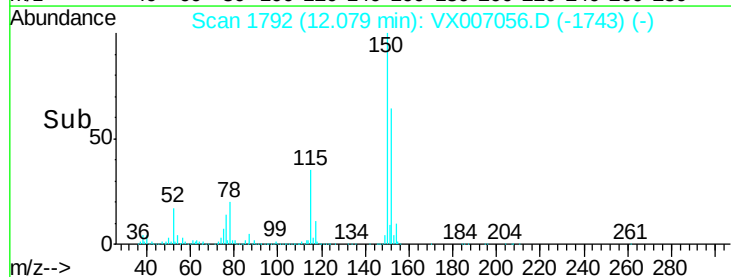
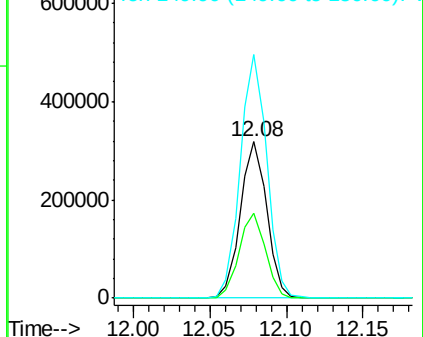
152 100

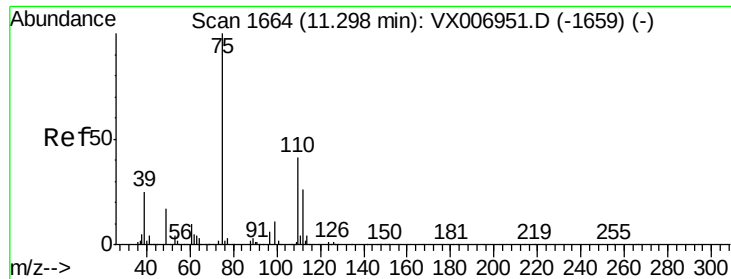
115 54.6 39.1 117.2

150 156.6 0.0 344.8



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: 22.010 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007056.D

Acq: 15 Jan 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

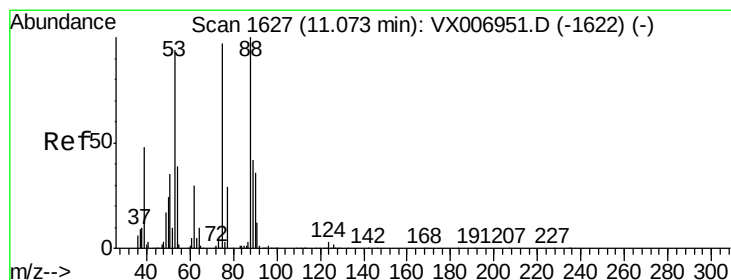
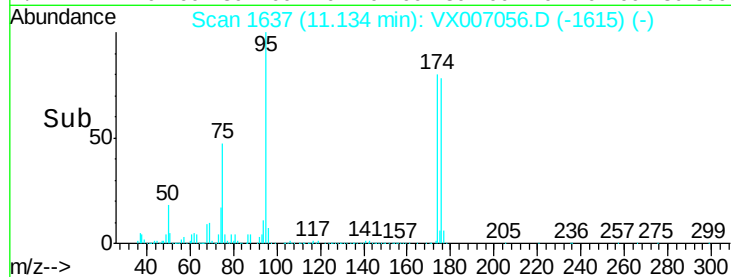
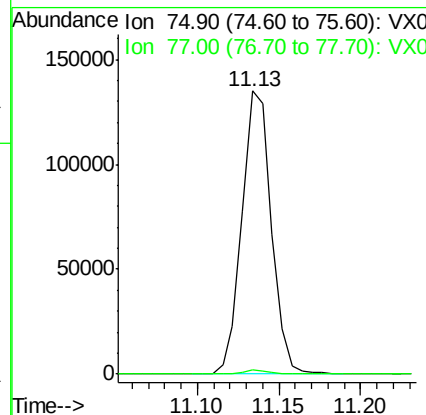
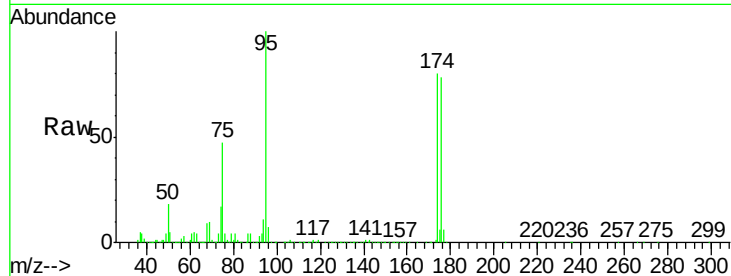
SW004-190114-01

Tot Ion: 75 Resp: 170167

Ion Ratio Lower Upper

75 100

77 1.5 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.180 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007056.D

Acq: 15 Jan 2019 14:13

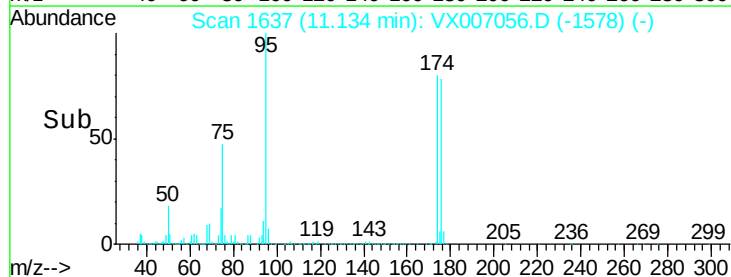
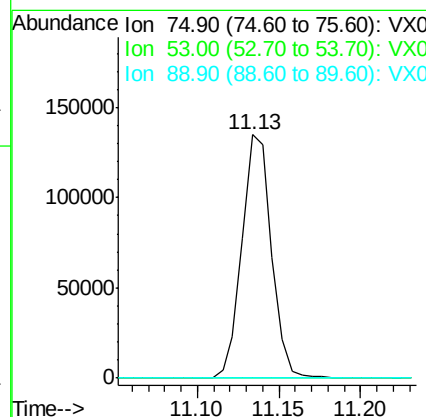
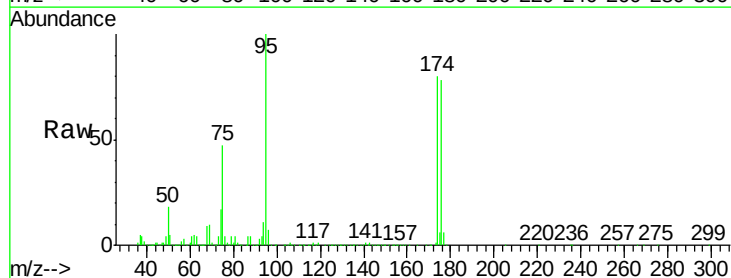
Tgt Ion: 75 Resp: 170167

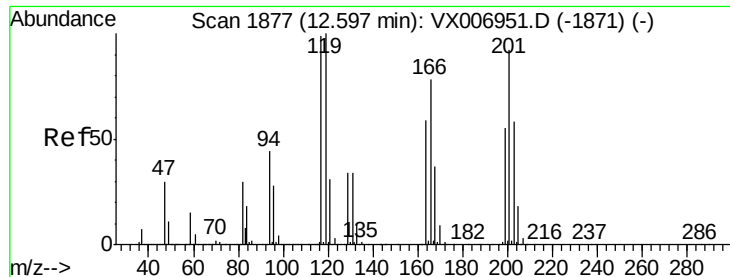
Ion Ratio Lower Upper

75 100

53 0.0 79.7 119.5#

89 0.1 38.0 57.0#





#90

Hexachloroethane

Concen: 3.272 ug/l

RT: 12.47 min Scan# 1856

Delta R.T. -0.13 min

Lab File: VX007056.D

Acq: 15 Jan 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

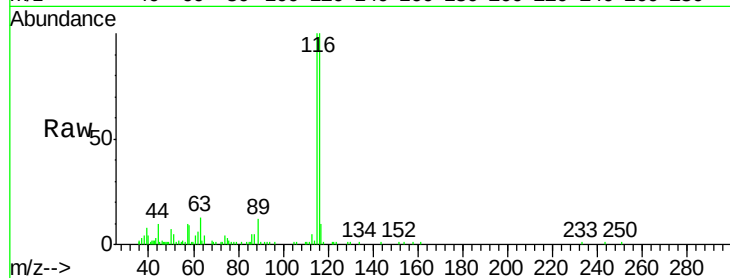
SW004-190114-01

Tot Ion:117 Resp: 1478

Ion Ratio Lower Upper

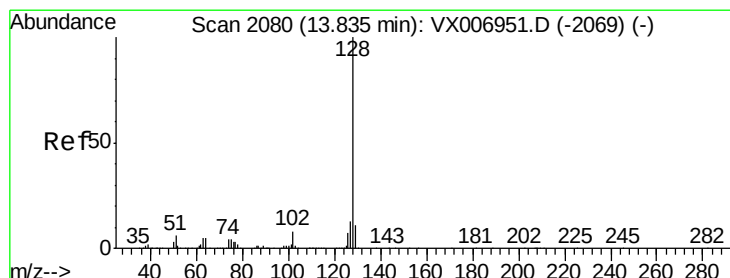
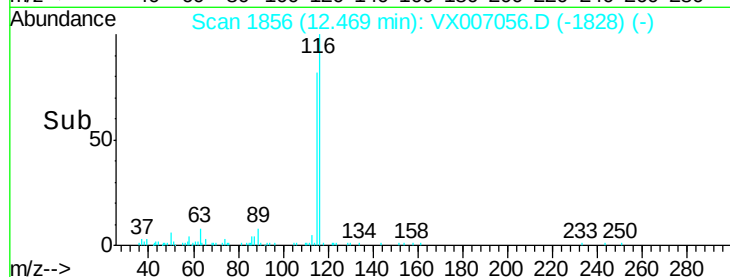
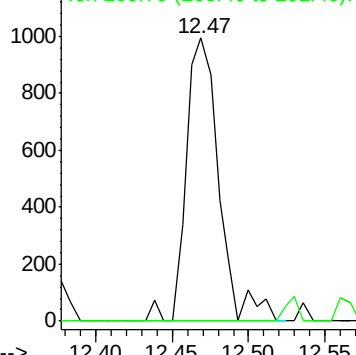
117 100

201 0.0 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 5.804 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007056.D

Acq: 15 Jan 2019 14:13

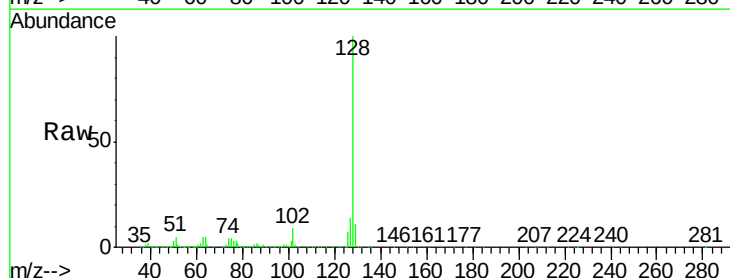
Tgt Ion:128 Resp: 159546

Ion Ratio Lower Upper

128 100

127 13.8 10.1 15.1

129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

