

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010719\
 Data File : VX006938.D
 Acq On : 07 Jan 2019 16:21
 Operator : JC/MD
 Sample : PB116189TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 08 06:34:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	622794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	969570	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	917266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	448049	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	327080	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
35) Dibromofluoromethane	5.50	113	294245	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
50) Toluene-d8	8.71	98	1160668	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	11.13	95	410504	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	

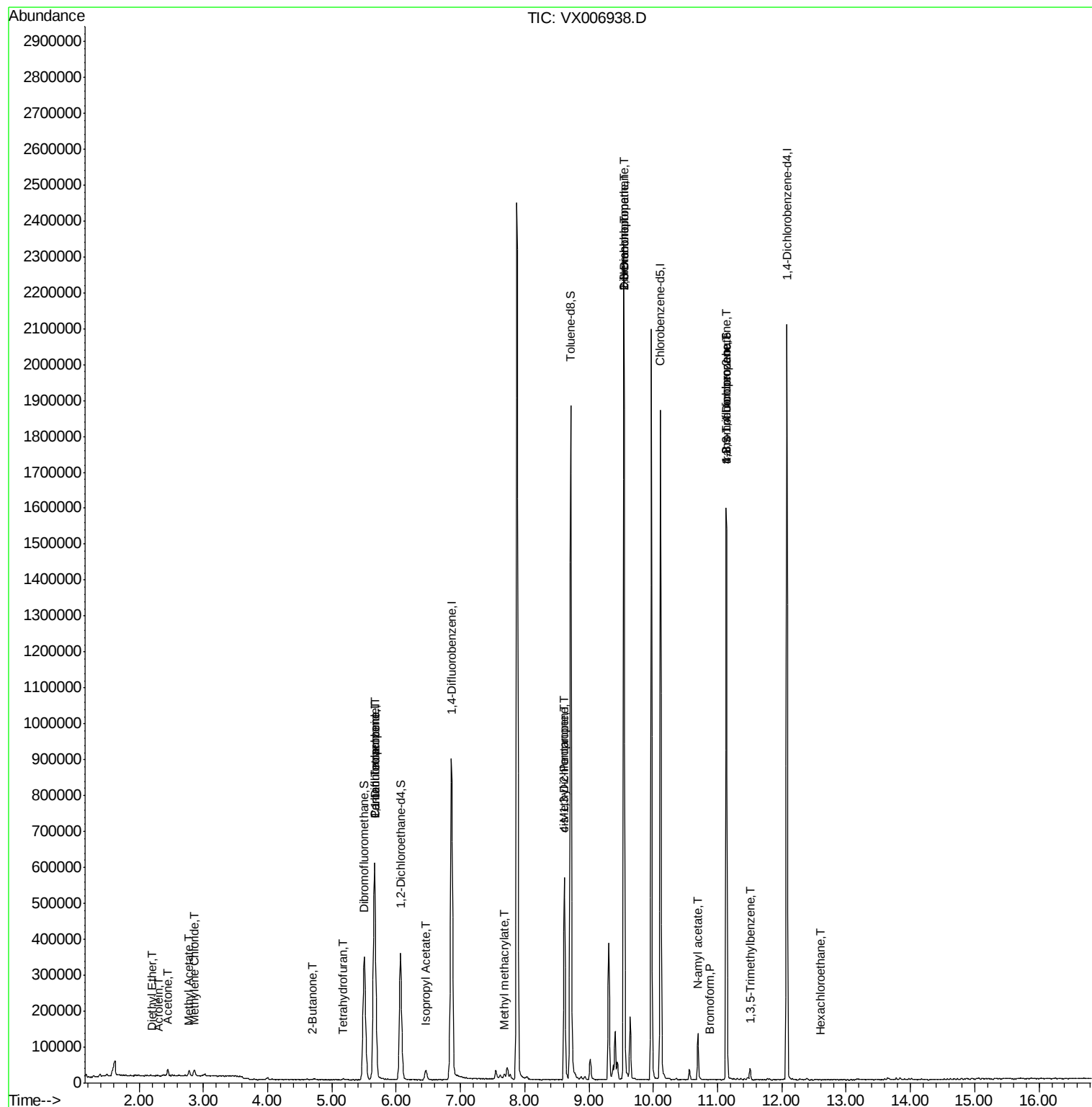
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	946	Below Cal	#	45
8) Diethyl Ether	2.20	74	1035	0.261	ug/l	87
13) Acrolein	2.30	56	375	0.371	ug/l #	66
16) Acetone	2.45	43	19906	6.455	ug/l	94
18) Methyl Acetate	2.78	43	19502	2.151	ug/l #	87
20) Methylene Chloride	2.85	84	9102	1.427	ug/l	93
25) 2-Butanone	4.70	43	4206	0.970	ug/l	92
28) Bromochloromethane	5.02	49	401	Below Cal	#	3
29) Tetrahydrofuran	5.17	42	1984	0.694	ug/l #	80
36) 1,1-Dichloropropene	5.67	75	40518	5.046	ug/l #	49
38) Carbon Tetrachloride	5.66	117	55376	7.096	ug/l #	14
43) Isopropyl Acetate	6.46	43	36208	2.847	ug/l	100
48) Methyl methacrylate	7.68	41	16951	2.621	ug/l #	12
49) 1,4-Dioxane	7.75	88	296	Below Cal	#	27
51) 4-Methyl-2-Pentanone	8.62	43	181433	22.423	ug/l #	48
54) cis-1,3-Dichloropropene	8.62	75	91267	10.692	ug/l #	63
57) 1,3-Dichloropropane	9.54	76	19932	1.919	ug/l #	46
59) 2-Hexanone	9.54	43	254581	41.121	ug/l #	51
60) Dibromochloromethane	9.55	129	20	2.327	ug/l #	24
71) Bromoform	10.87	173	117	4.479	ug/l #	28
74) N-amyl acetate	10.69	43	28757	2.621	ug/l #	52
76) 1,2,3-Trichloropropane	11.13	75	193723	23.266	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	12996	0.515	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	193723	69.042	ug/l #	10
90) Hexachloroethane	12.60	117	22	3.298	ug/l #	6

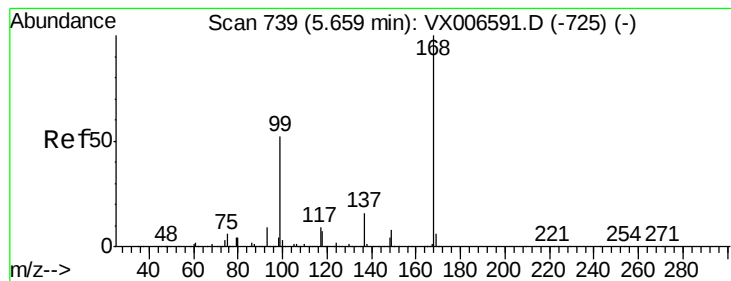
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010719\
Data File : VX006938.D
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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 08 06:34:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
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: VX006938.D

Acq: 07 Jan 2019 16:21

Instrument :

MSVOA_X

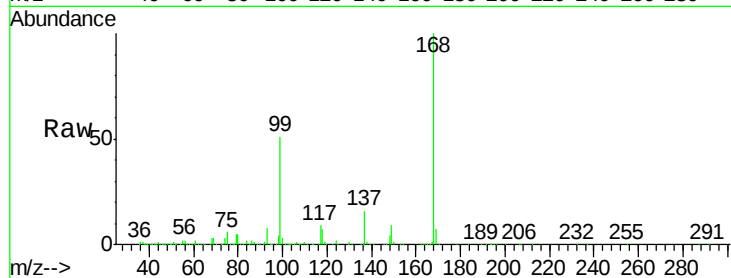
ClientSampleId :

Tot Ion:168 Resp: 622794

Ion Ratio Lower Upper

168 100

99 50.9 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

250000

200000

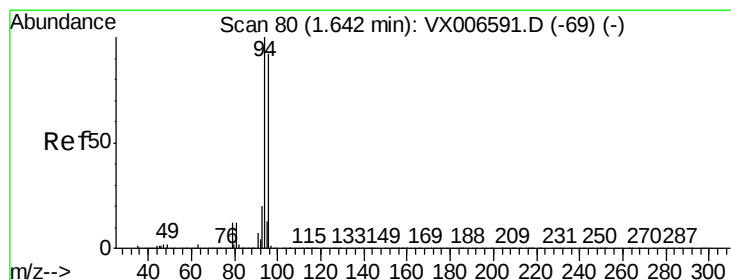
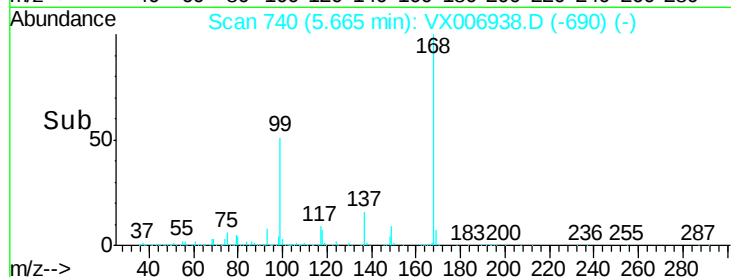
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006938.D

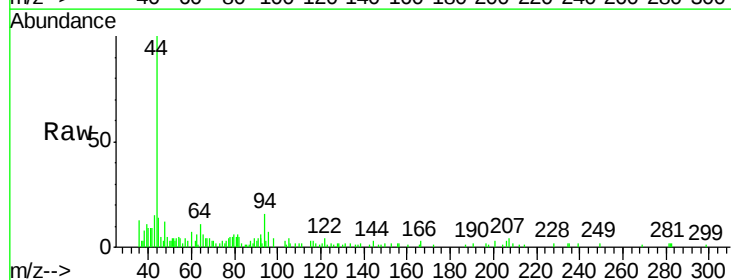
Acq: 07 Jan 2019 16:21

Tgt Ion: 94 Resp: 946

Ion Ratio Lower Upper

94 100

96 39.4 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

800

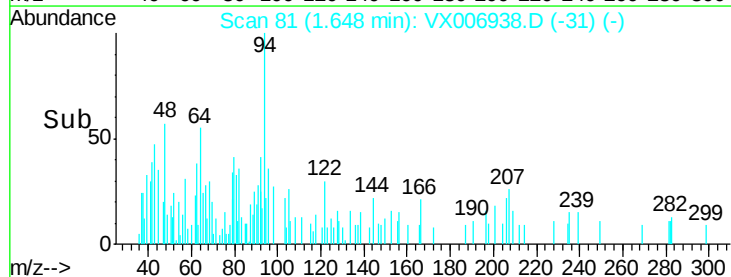
600

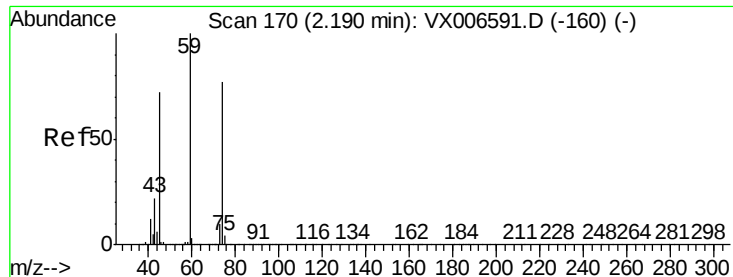
400

200

0

Time-->





#8

Diethyl Ether

Concen: 0.261 ug/l

RT: 2.20 min Scan# 171

Delta R.T. 0.01 min

Lab File: VX006938.D

Acq: 07 Jan 2019 16:21

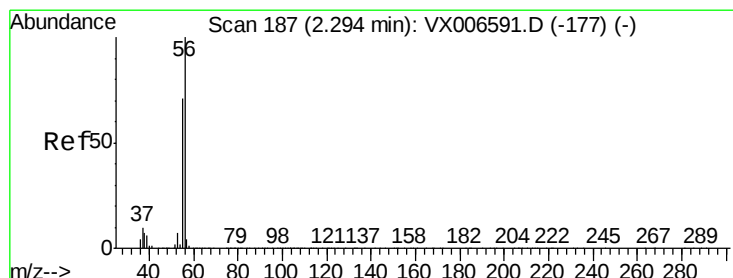
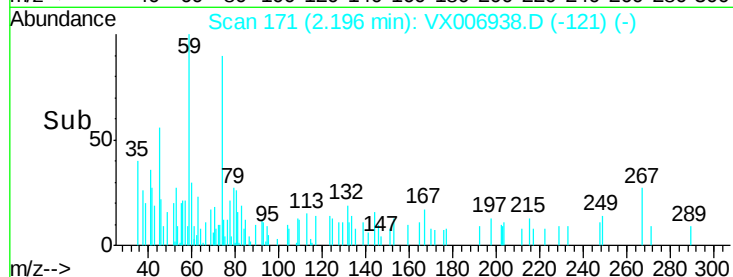
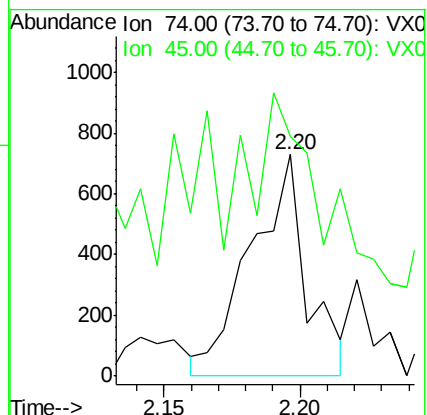
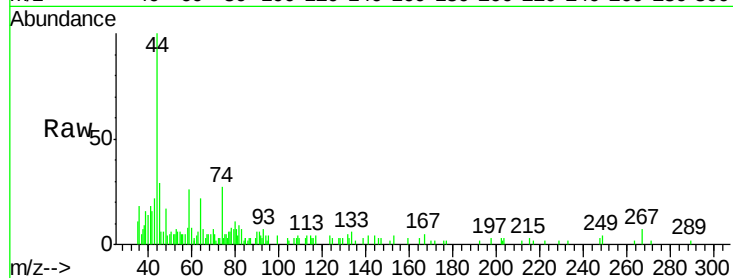
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 74 Resp: 1035

Ion Ratio Lower Upper

74 100

45 105.4 46.3 138.9



#13

Acrolein

Concen: 0.371 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006938.D

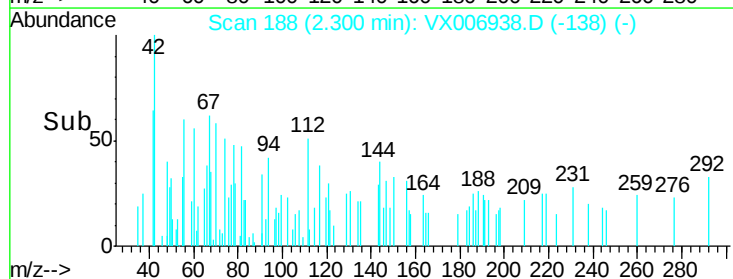
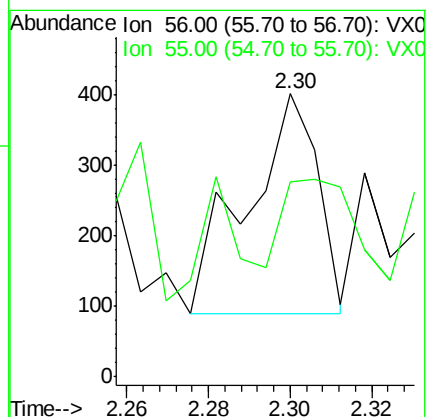
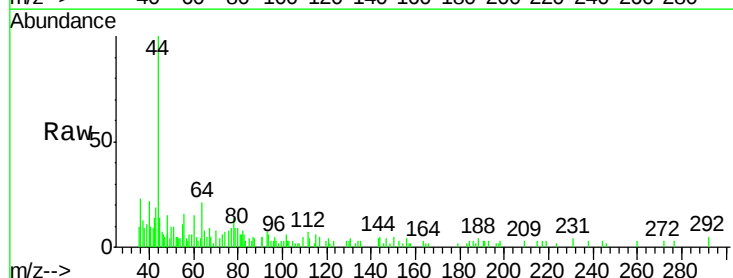
Acq: 07 Jan 2019 16:21

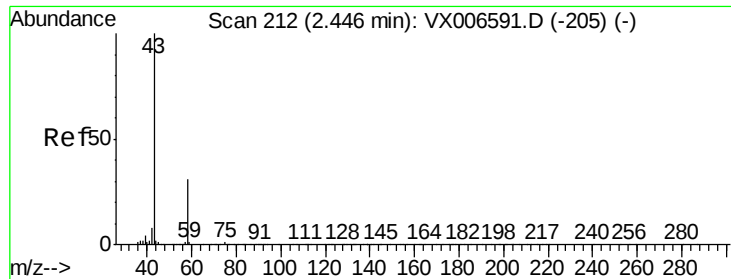
Tgt Ion: 56 Resp: 375

Ion Ratio Lower Upper

56 100

55 44.5 58.2 87.4#

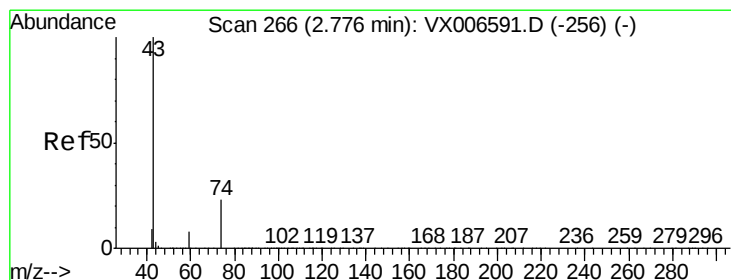
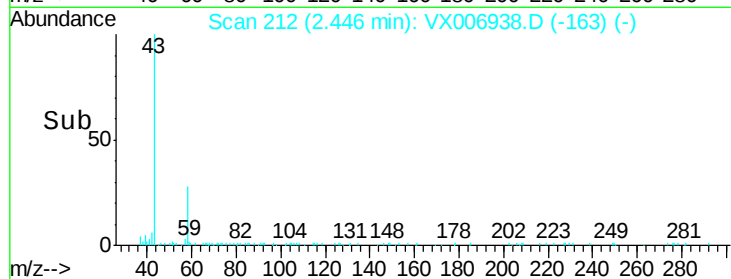
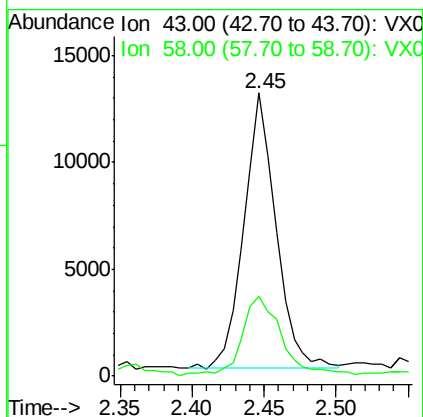
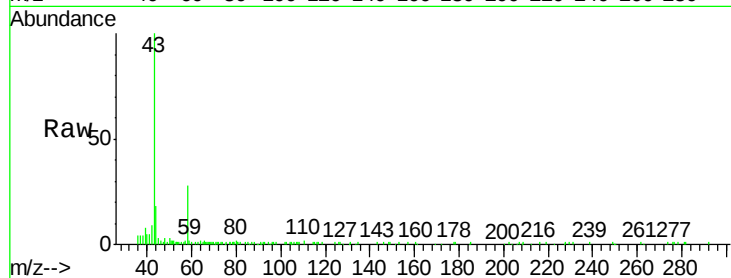




#16
Acetone
Concen: 6.455 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006938.D
Acq: 07 Jan 2019 16:21

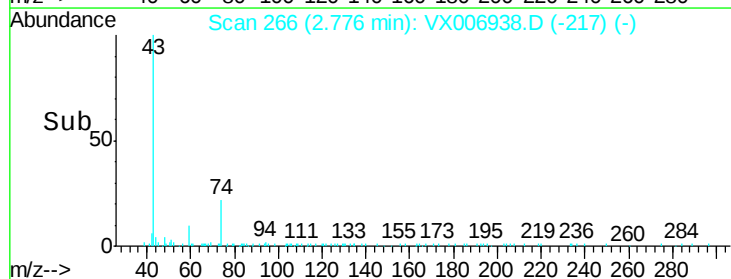
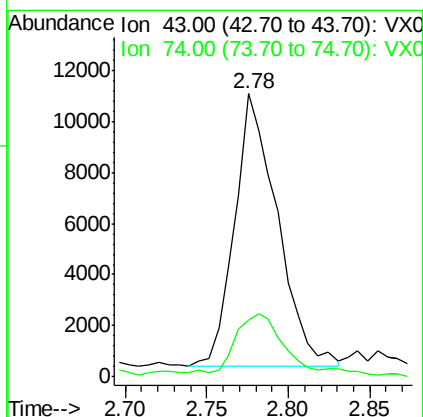
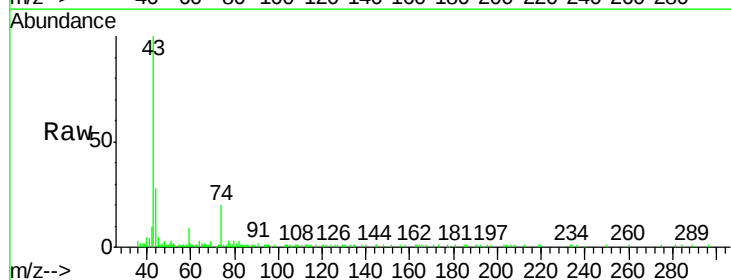
Instrument :
MSVOA_X
ClientSampled :

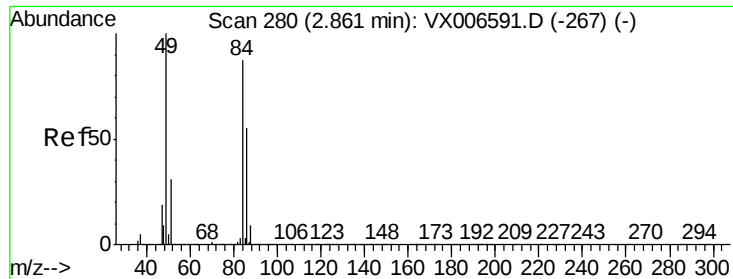
Tot Ion: 43 Resp: 19906
Ion Ratio Lower Upper
43 100
58 27.9 25.0 37.6



#18
Methyl Acetate
Concen: 2.151 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX006938.D
Acq: 07 Jan 2019 16:21

Tgt Ion: 43 Resp: 19502
Ion Ratio Lower Upper
43 100
74 29.8 18.6 28.0#

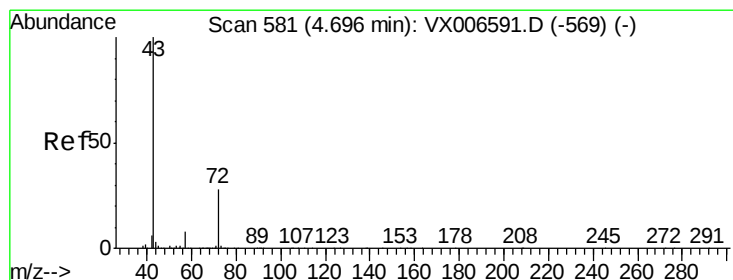
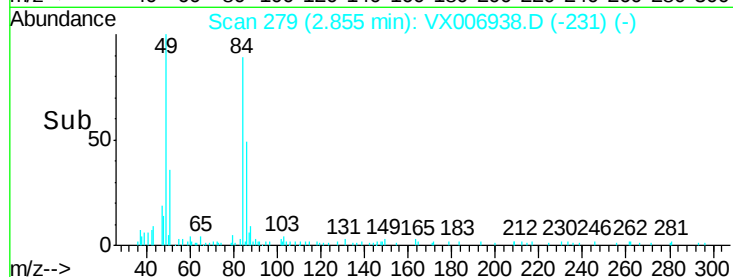
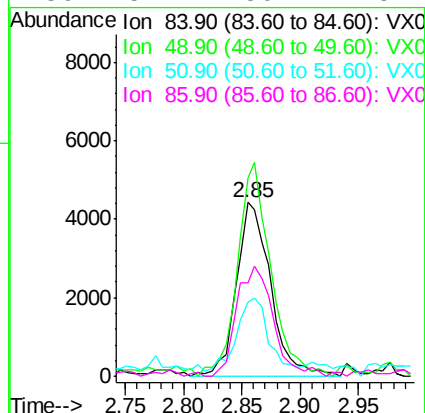
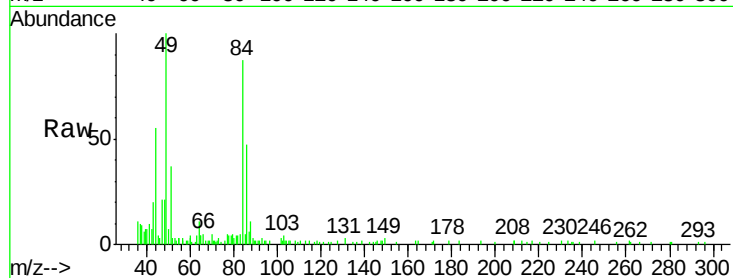




#20
Methvlene Chloride
Concen: 1.427 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006938.D
Acq: 07 Jan 2019 16:21

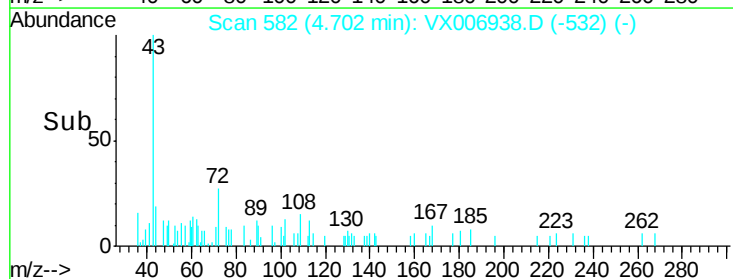
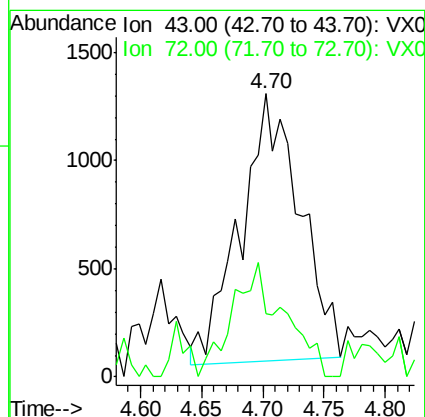
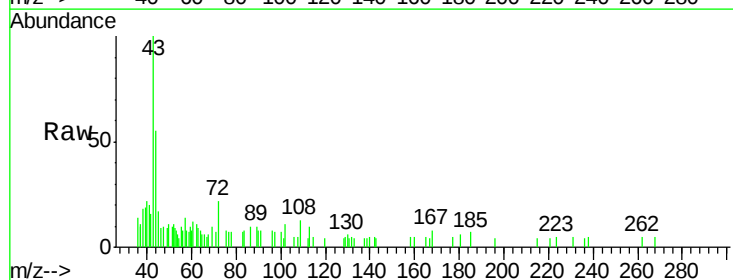
Instrument :
MSVOA_X
ClientSampleId :

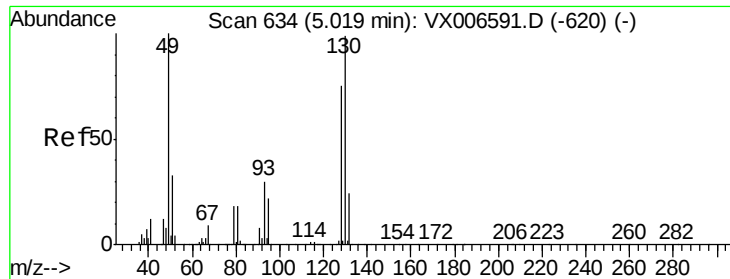
Tot Ion:	84	Resp:	9102
Ion	Ratio	Lower	Upper
84	100		
49	110.1	91.8	137.6
51	38.7	28.5	42.7
86	52.4	50.2	75.2



#25
2-Butanone
Concen: 0.970 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX006938.D
Acq: 07 Jan 2019 16:21

Tgt Ion:	43	Resp:	4206
Ion	Ratio	Lower	Upper
43	100		
72	24.0	22.4	33.6





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

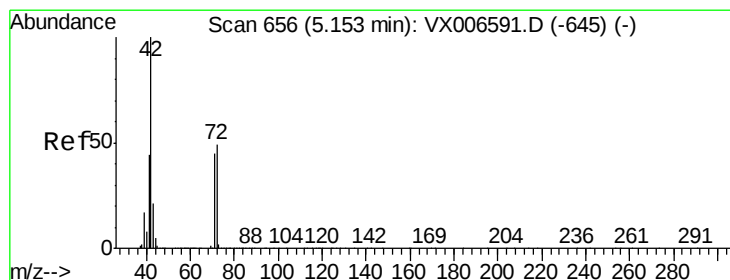
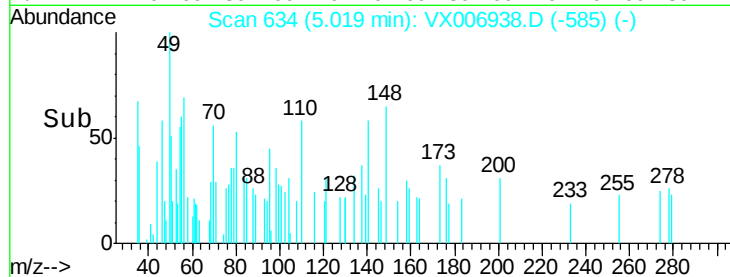
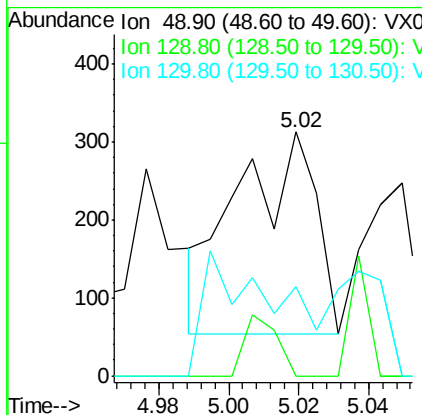
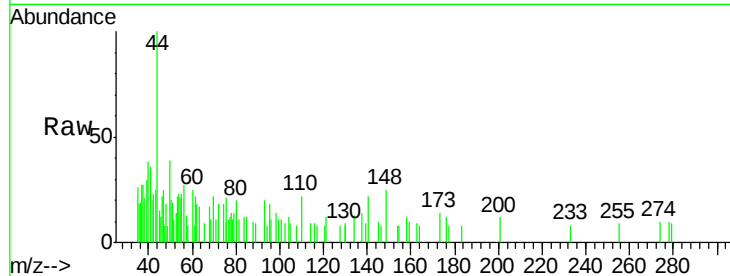
Delta R.T. 0.00 min

Lab File: VX006938.D

Acq: 07 Jan 2019 16:21

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 49 Resp: 401
Ion Ratio Lower Upper
49 100
129 12.5 0.0 5.4#
130 0.0 77.7 116.5#



#29

Tetrahydrofuran

Concen: 0.694 ug/l

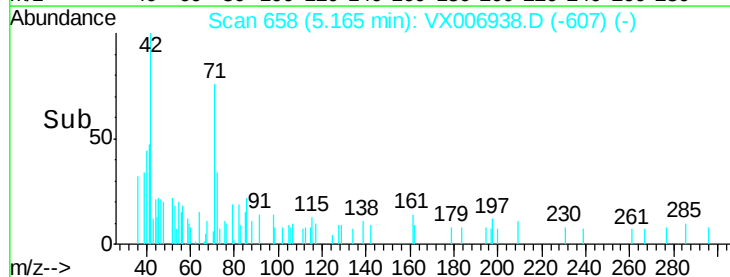
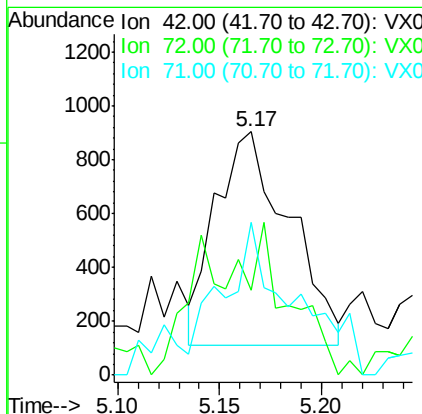
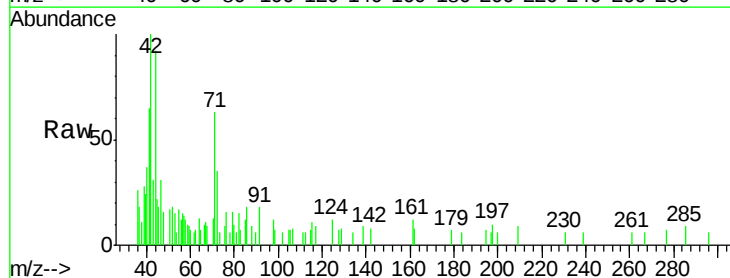
RT: 5.17 min Scan# 658

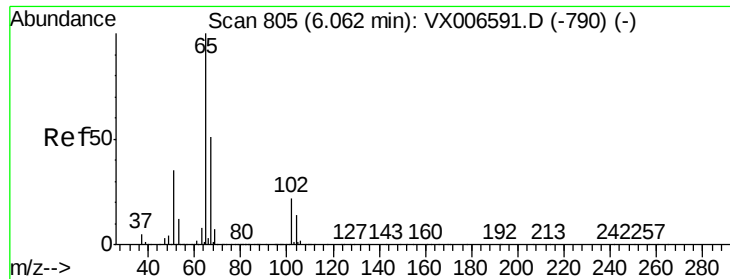
Delta R.T. 0.01 min

Lab File: VX006938.D

Acq: 07 Jan 2019 16:21

Tgt Ion: 42 Resp: 1984
Ion Ratio Lower Upper
42 100
72 46.1 38.9 58.3
71 69.7 36.2 54.4#

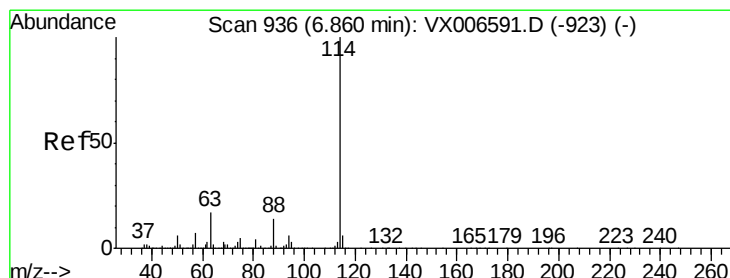
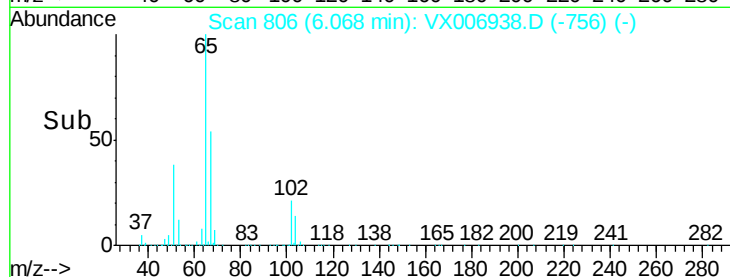
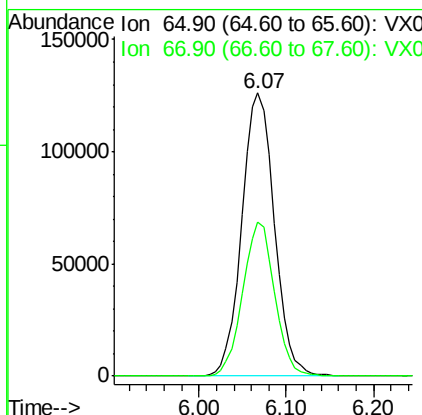
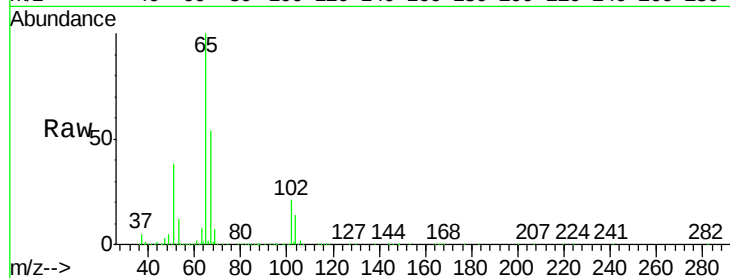




#33
 1,2-Dichloroethane-d4
 Concen: 48.729 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006938.D
 Acq: 07 Jan 2019 16:21

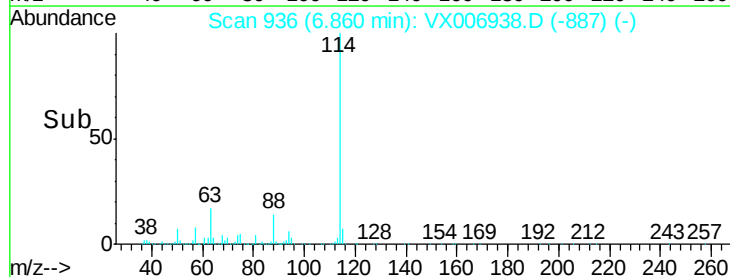
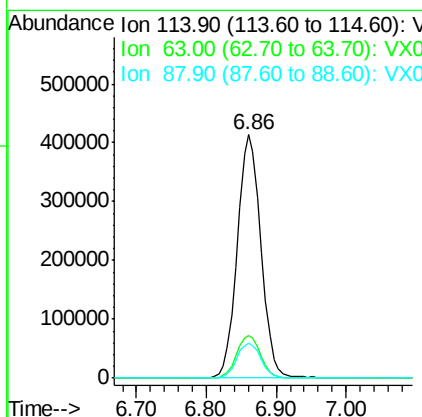
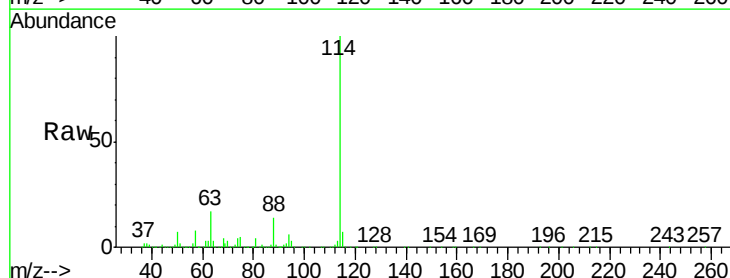
Instrument :
 MSVOA_X
 ClientSampleId :

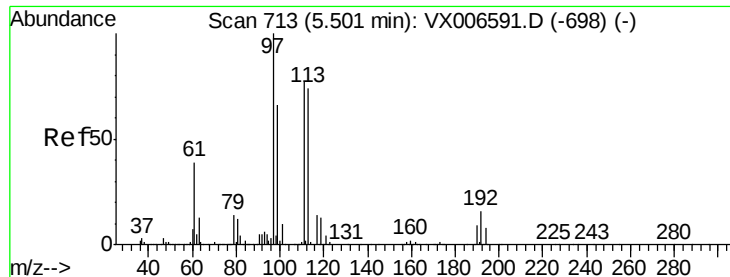
Tot Ion: 65 Resp: 327080
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006938.D
 Acq: 07 Jan 2019 16:21

Tgt Ion: 114 Resp: 969570
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 34.8
 88 14.5 0.0 28.8





#35

Dibromofluoromethane

Concen: 47.990 ug/l

RT: 5.50 min Scan# 713

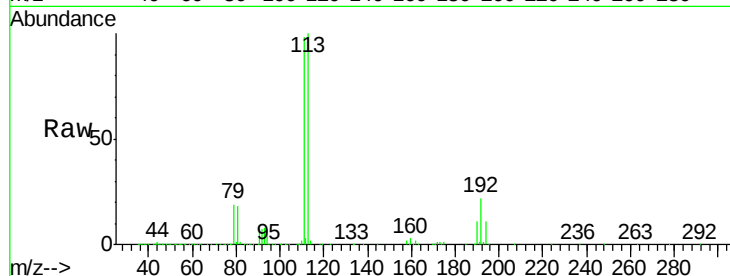
Delta R.T. 0.00 min

Lab File: VX006938.D

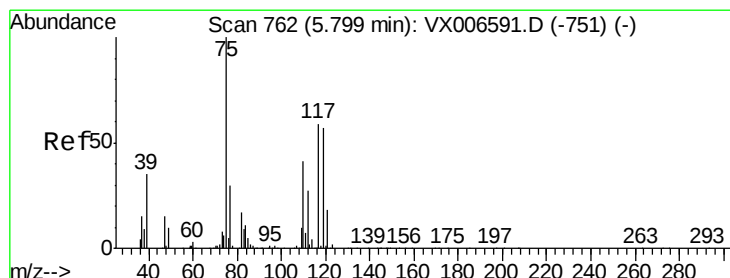
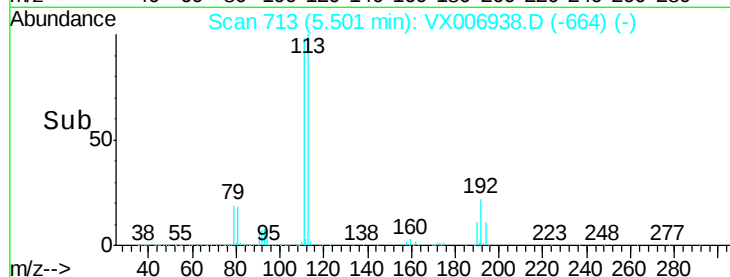
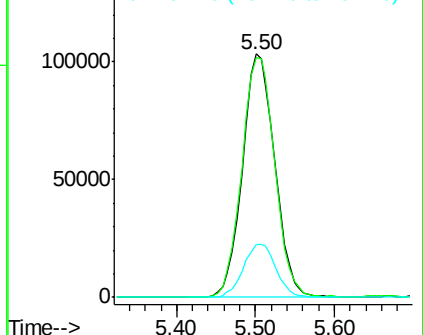
Acq: 07 Jan 2019 16:21

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:113 Resp: 294245
Ion Ratio Lower Upper
113 100
111 100.8 81.6 122.4
192 22.1 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: 5.046 ug/l

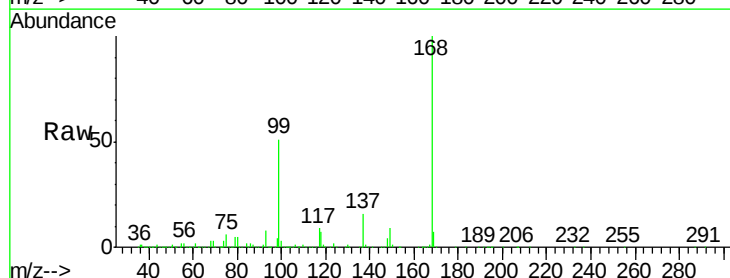
RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

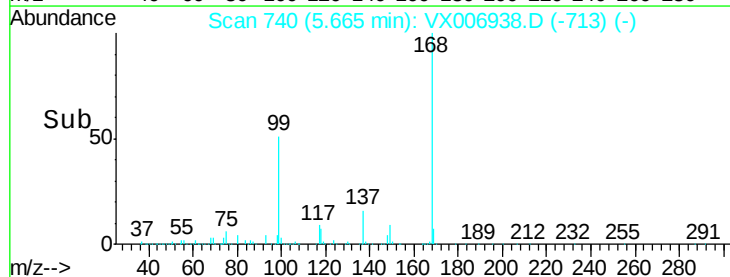
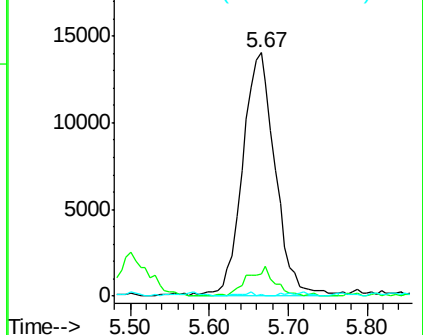
Lab File: VX006938.D

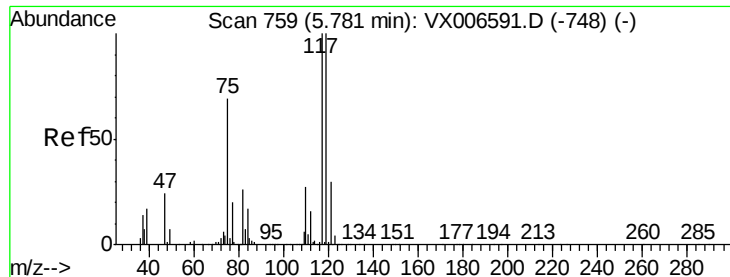
Acq: 07 Jan 2019 16:21

Tgt Ion: 75 Resp: 40518
Ion Ratio Lower Upper
75 100
110 10.2 20.2 60.5#
77 0.7 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





#38

Carbon Tetrachloride

Concen: 7.096 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006938.D

Acq: 07 Jan 2019 16:21

Instrument :

MSVOA_X

ClientSampled :

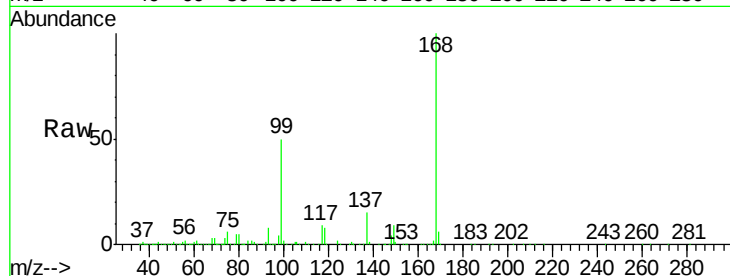
Tot Ion:117 Resp: 55376

Ion Ratio Lower Upper

117 100

119 4.0 79.4 119.2#

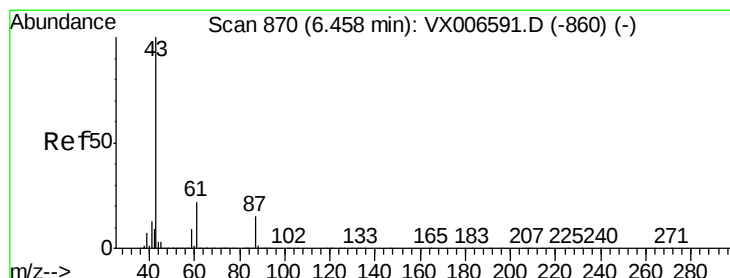
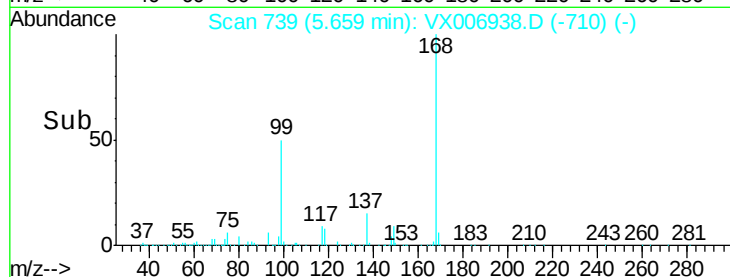
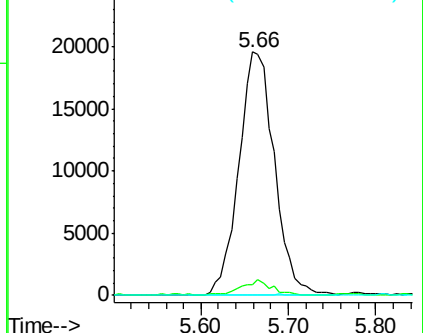
121 0.0 24.0 36.0#



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



#43

Isopropyl Acetate

Concen: 2.847 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006938.D

Acq: 07 Jan 2019 16:21

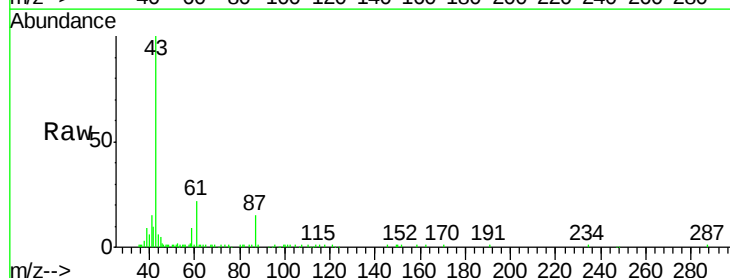
Tgt Ion: 43 Resp: 36208

Ion Ratio Lower Upper

43 100

61 21.0 16.8 25.2

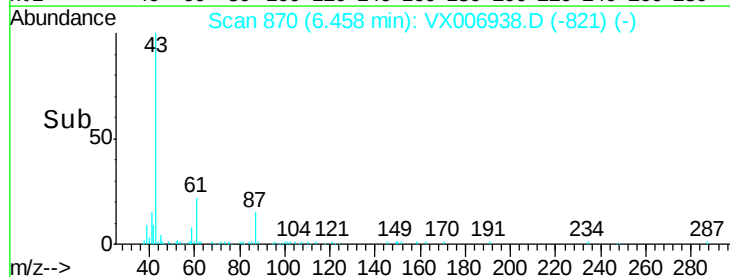
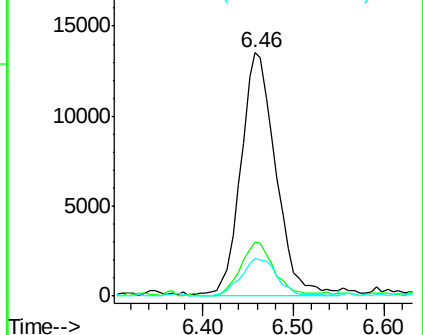
87 15.7 12.4 18.6

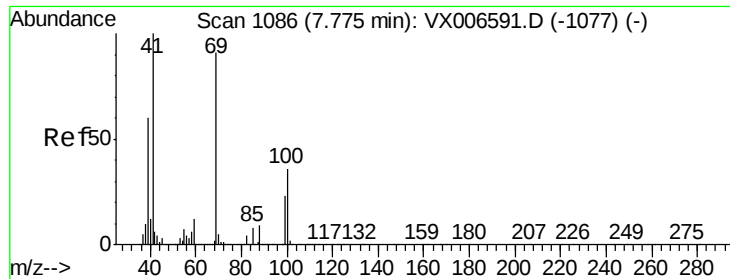


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

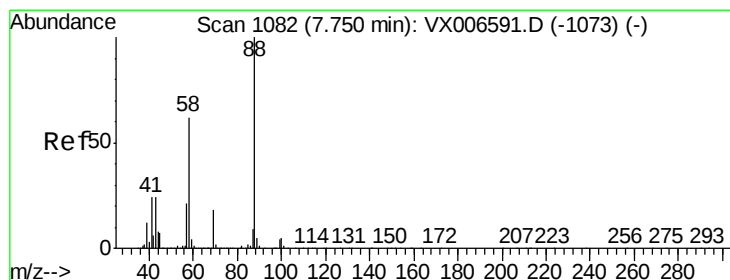
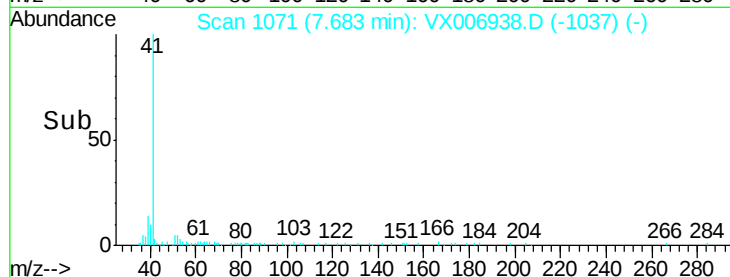
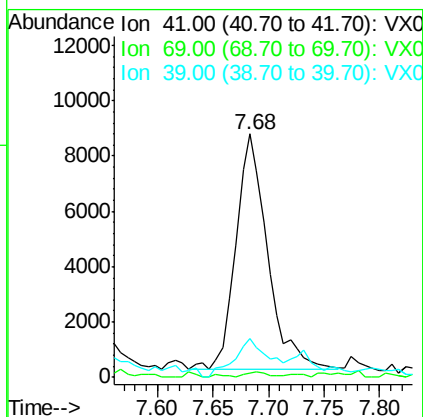
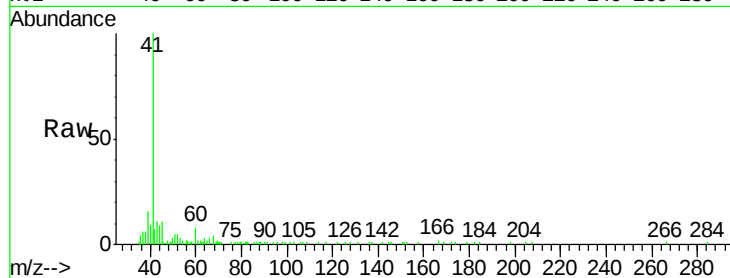




#48
Methyl methacrylate
Concen: 2.621 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.09 min
Lab File: VX006938.D
Acq: 07 Jan 2019 16:21

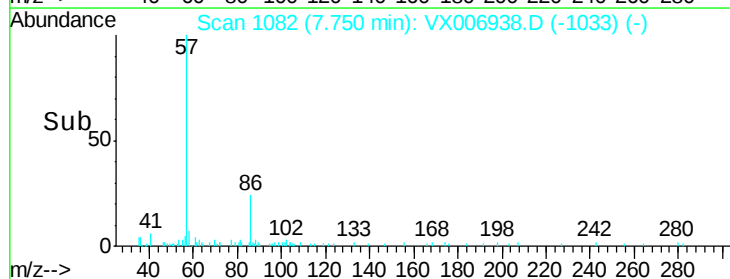
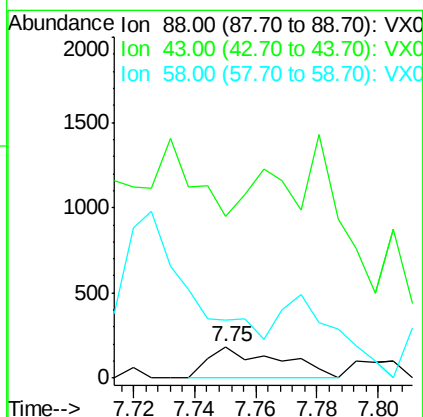
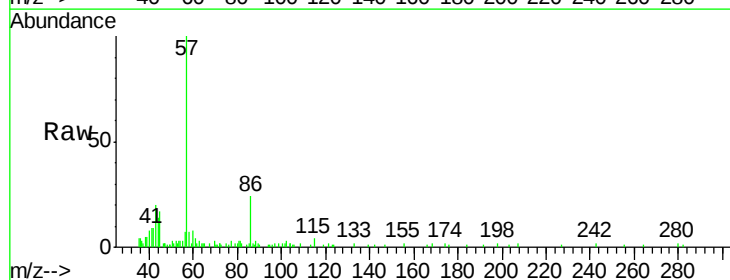
Instrument :
MSVOA_X
ClientSampled :

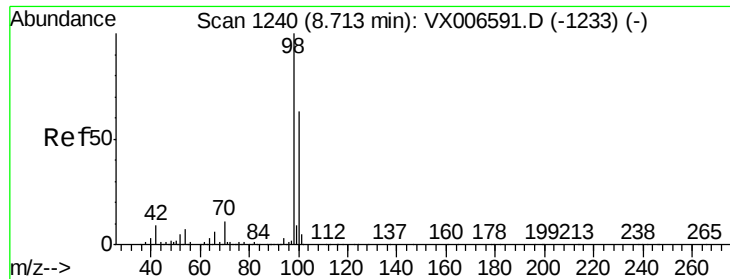
Tot Ion	Ratio	Lower	Upper
41	100		
69	1.8	72.4	108.6#
39	0.0	45.8	68.8#



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006938.D
Acq: 07 Jan 2019 16:21

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.2	33.4#
58	0.0	51.0	76.4#





#50

Toluene-d8

Concen: 50.212 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006938.D

Acq: 07 Jan 2019 16:21

Instrument :

MSVOA_X

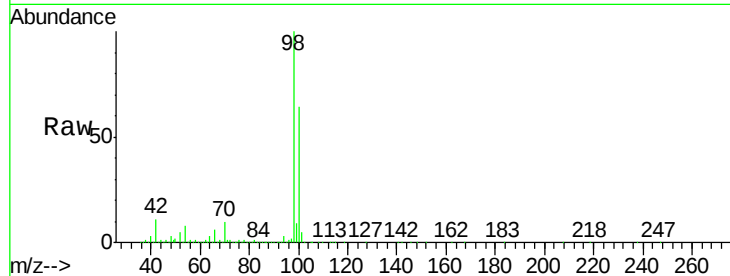
ClientSampleId :

Tot Ion: 98 Resp: 1160668

Ion Ratio Lower Upper

98 100

100 63.6 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

800000

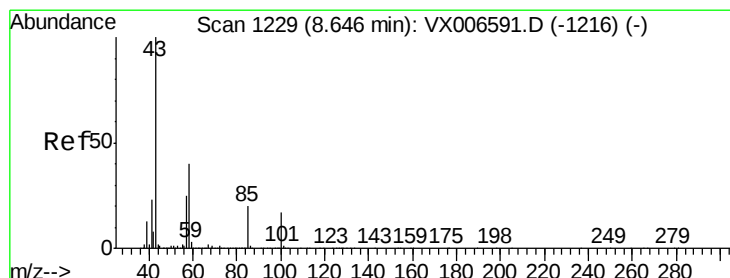
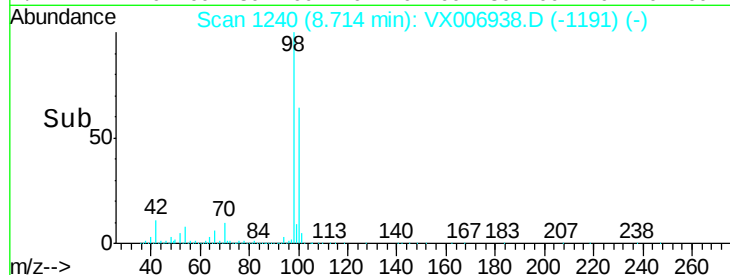
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 22.423 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX006938.D

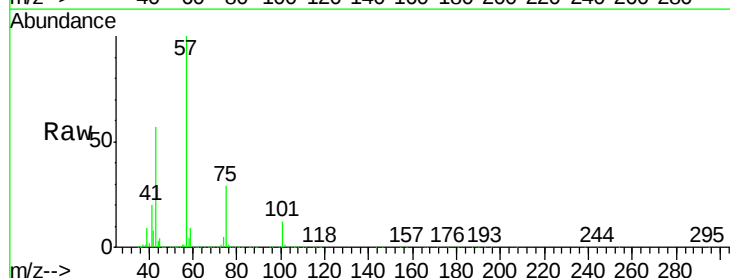
Acq: 07 Jan 2019 16:21

Tgt Ion: 43 Resp: 181433

Ion Ratio Lower Upper

43 100

58 7.8 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

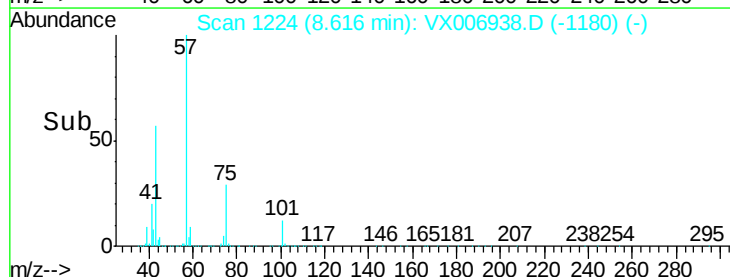
8.62

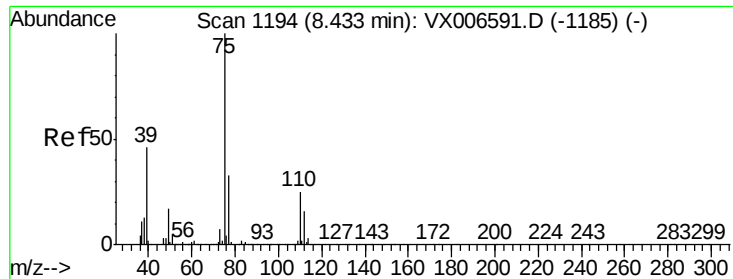
100000

50000

0

Time-->

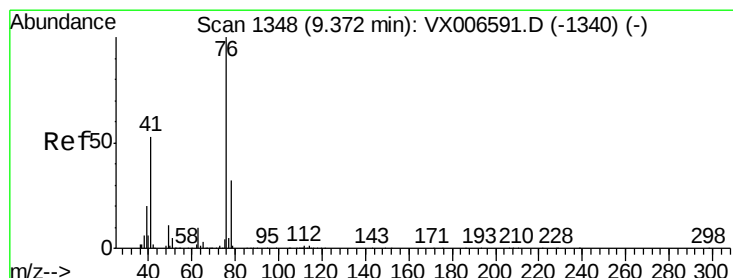
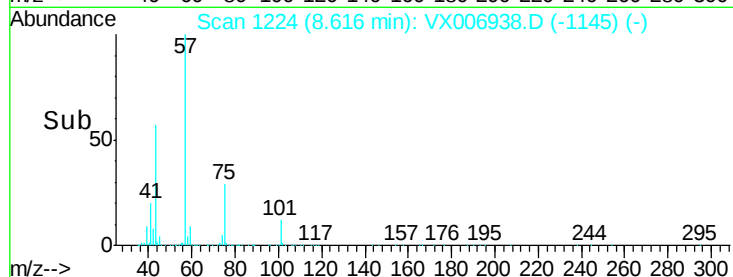
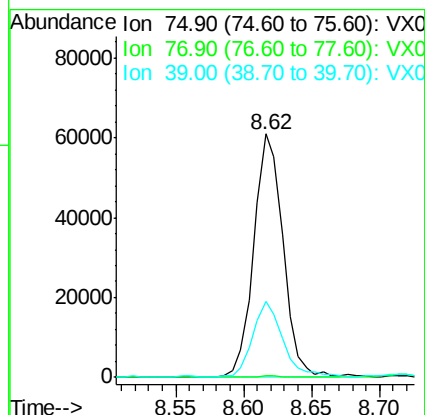
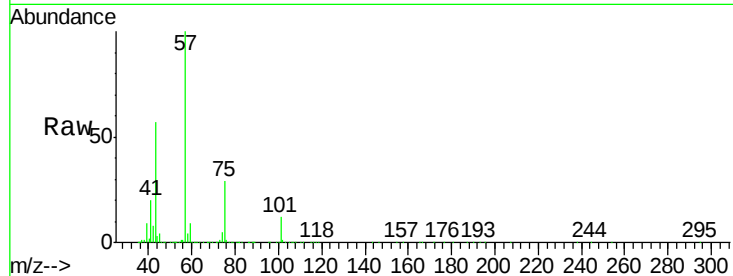




#54
 cis-1,3-Dichloropropene
 Concen: 10.692 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. 0.18 min
 Lab File: VX006938.D
 Acq: 07 Jan 2019 16:21

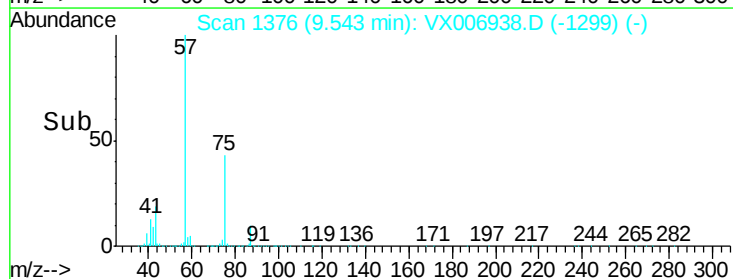
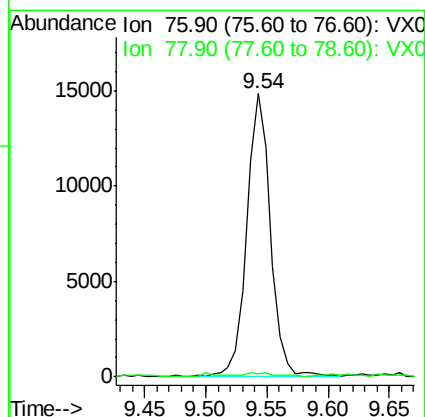
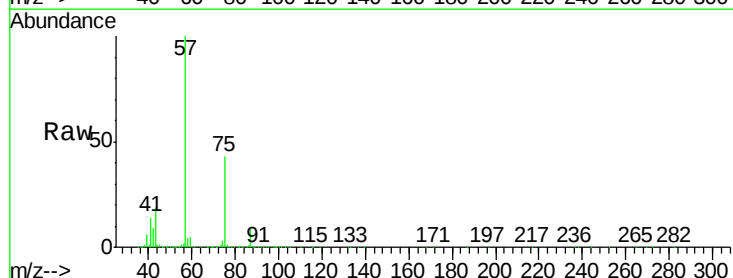
Instrument :
 MSVOA_X
 ClientSampleId :

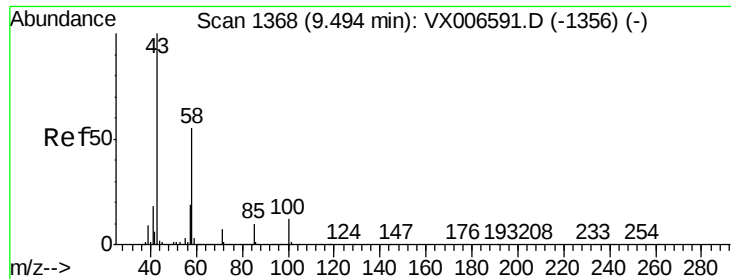
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.6	26.2	39.2#
39	30.5	36.7	55.1#



#57
 1,3-Dichloropropane
 Concen: 1.919 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.17 min
 Lab File: VX006938.D
 Acq: 07 Jan 2019 16:21

Tgt Ion	Ratio	Lower	Upper
76	100		
78	2.1	26.0	39.0#

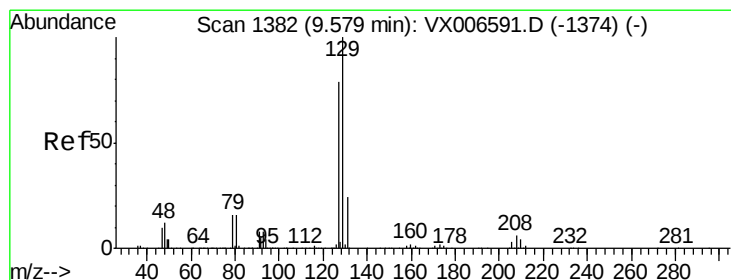
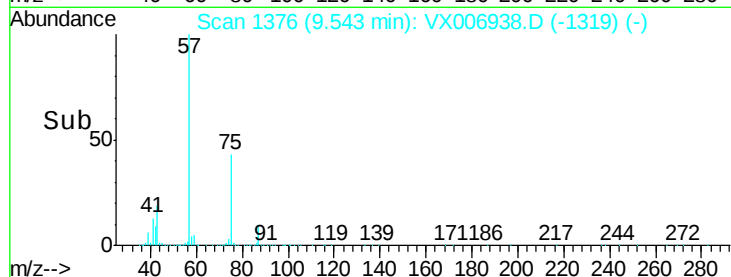
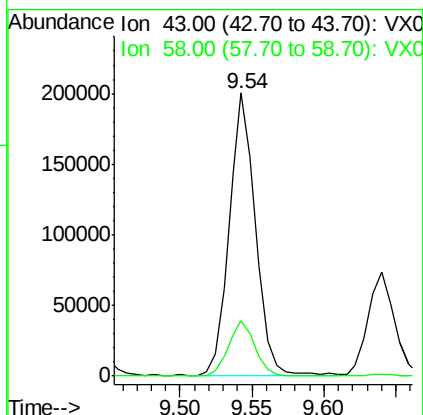
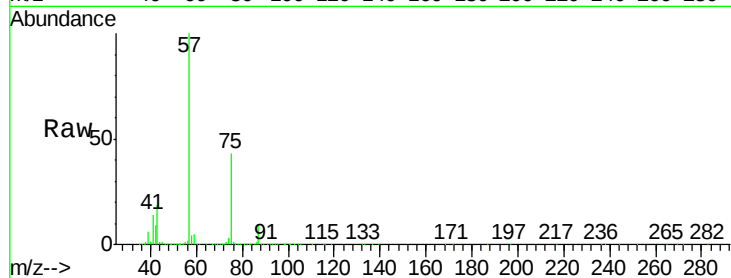




#59
2-Hexanone
Concen: 41.121 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.05 min
Lab File: VX006938.D
Acq: 07 Jan 2019 16:21

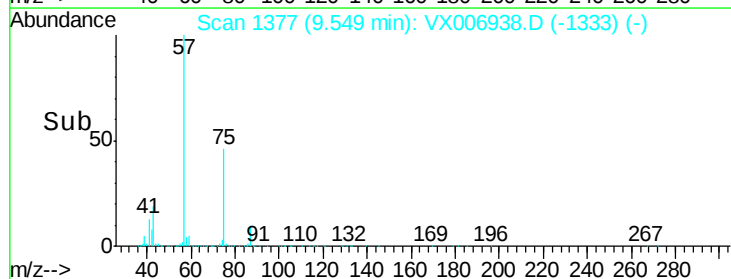
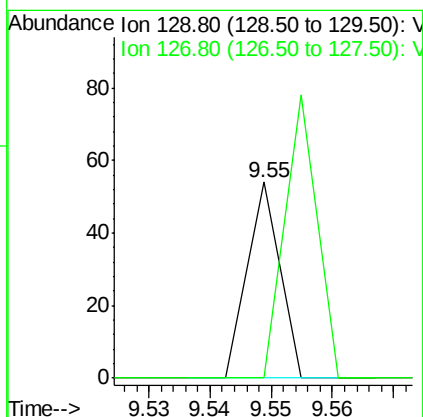
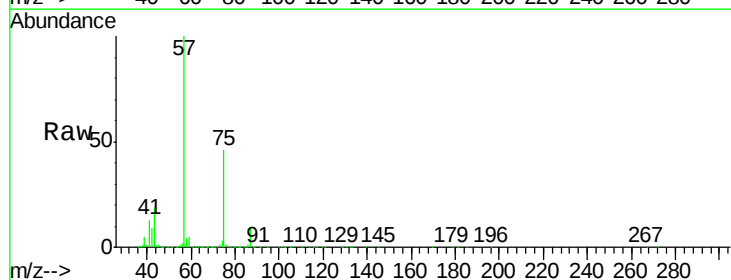
Instrument :
MSVOA_X
ClientSampleId :

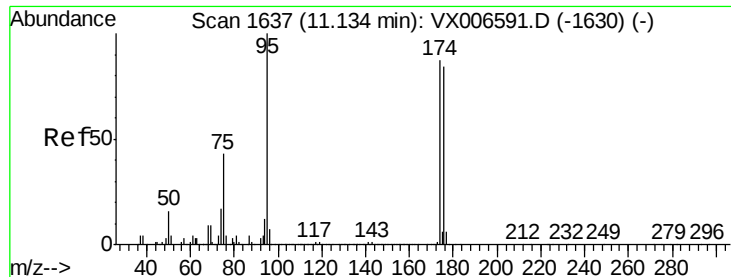
Tot Ion: 43 Resp: 254581
Ion Ratio Lower Upper
43 100
58 20.2 27.7 83.1#



#60
Dibromochloromethane
Concen: 2.327 ug/l
RT: 9.55 min Scan# 1377
Delta R.T. -0.03 min
Lab File: VX006938.D
Acq: 07 Jan 2019 16:21

Tgt Ion: 129 Resp: 20
Ion Ratio Lower Upper
129 100
127 145.0 39.3 117.8#





#62

4-Bromofluorobenzene

Concen: 48.489 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006938.D

Acq: 07 Jan 2019 16:21

Instrument :

MSVOA_X

ClientSampleId :

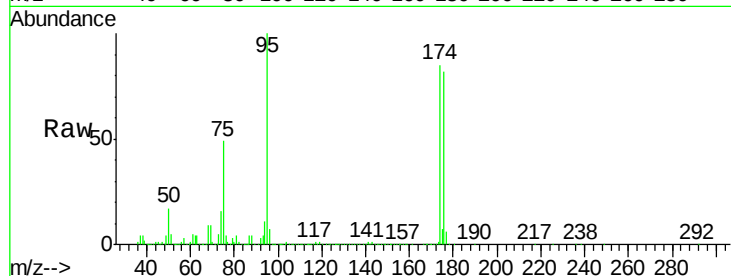
Tot Ion: 95 Resp: 410504

Ion Ratio Lower Upper

95 100

174 93.9 0.0 182.2

176 90.2 0.0 178.8

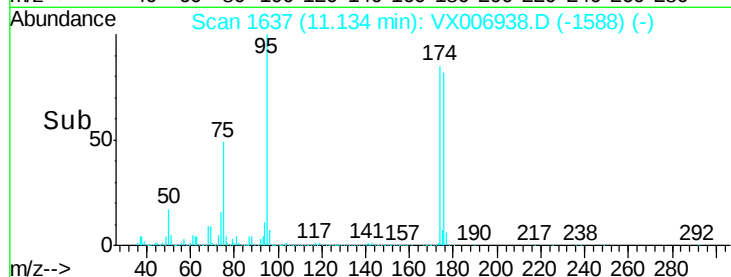


Abundance Ion 94.90 (94.60 to 95.60): VX006591.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX006591.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX006591.D (-1630) (-)

Time-->

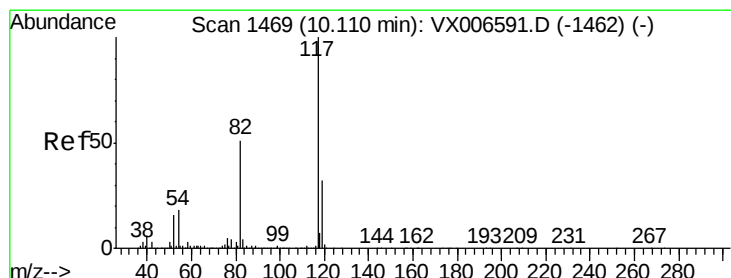


Abundance Ion 94.90 (94.60 to 95.60): VX006938.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX006938.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX006938.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX006938.D

Acq: 07 Jan 2019 16:21

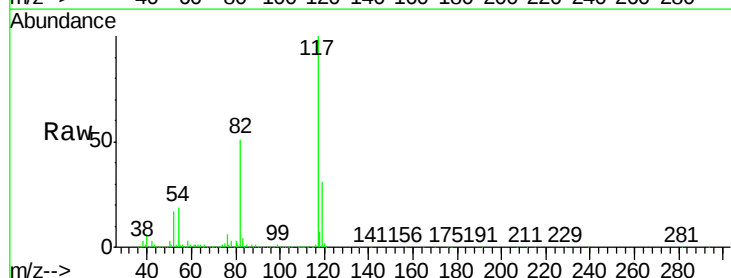
Tgt Ion: 117 Resp: 917266

Ion Ratio Lower Upper

117 100

82 51.3 41.0 61.6

119 31.4 25.4 38.0

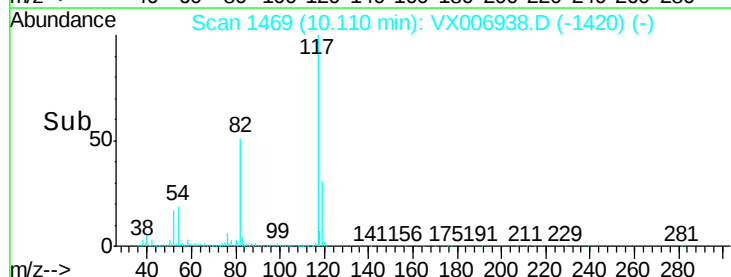


Abundance Ion 116.90 (116.60 to 117.60): VX006591.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006591.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006591.D (-1462) (-)

Time-->

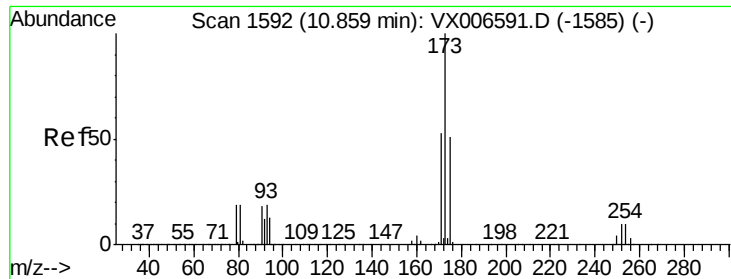


Abundance Ion 116.90 (116.60 to 117.60): VX006938.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX006938.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX006938.D (-1420) (-)

Time-->



#71

Bromoform

Concen: 4.479 ug/l

RT: 10.87 min Scan# 1593

Delta R.T. 0.01 min

Lab File: VX006938.D

Acq: 07 Jan 2019 16:21

Instrument :

MSVOA_X

ClientSampled :

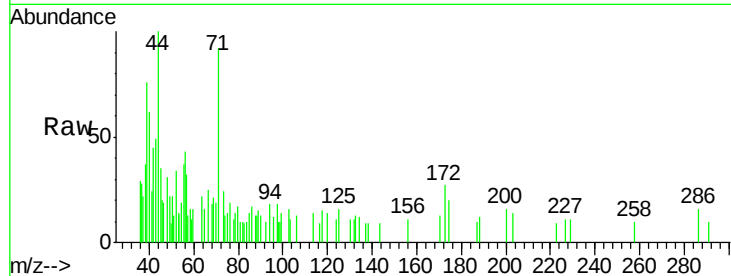
Tot Ion:173 Resp: 117

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

254 0.0 0.2 0.2#

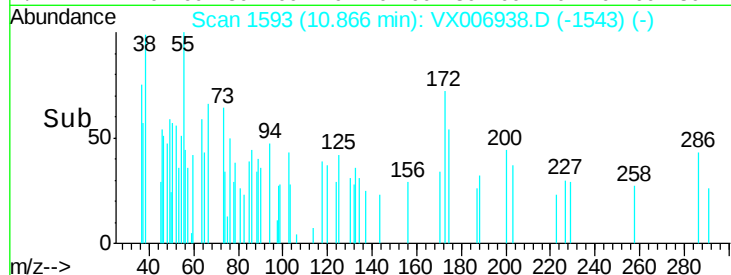


Abundance Ion 172.70 (172.40 to 173.40): V

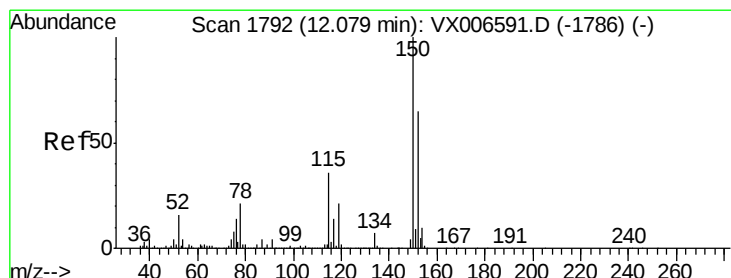
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006938.D

Acq: 07 Jan 2019 16:21

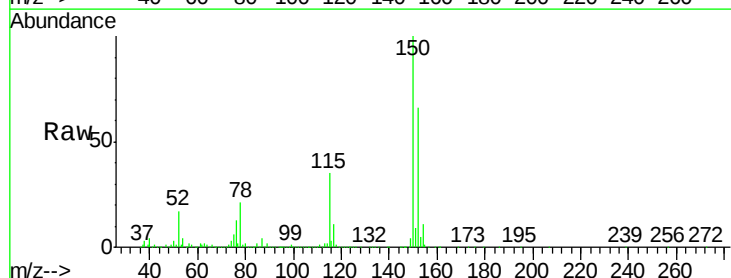
Tgt Ion:152 Resp: 448049

Ion Ratio Lower Upper

152 100

115 54.9 39.1 117.2

150 153.5 0.0 344.8

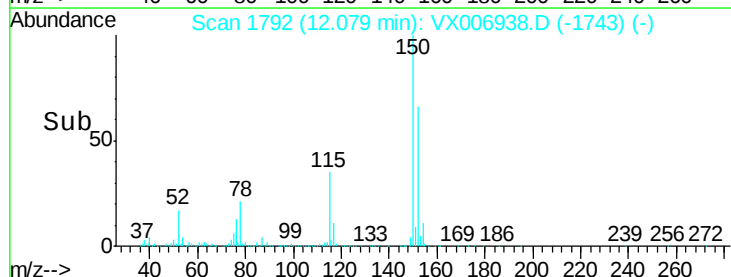


Abundance Ion 151.90 (151.60 to 152.60): V

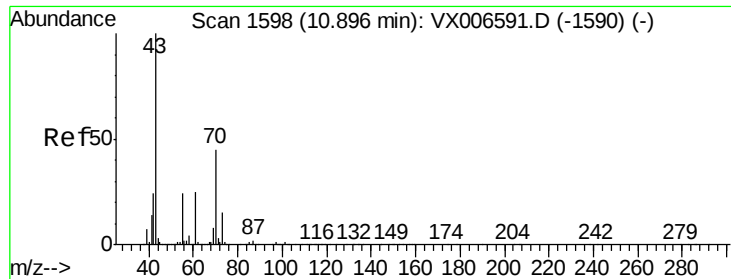
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->



Time-->



#74

N-amvl acetate

Concen: 2.621 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.20 min

Lab File: VX006938.D

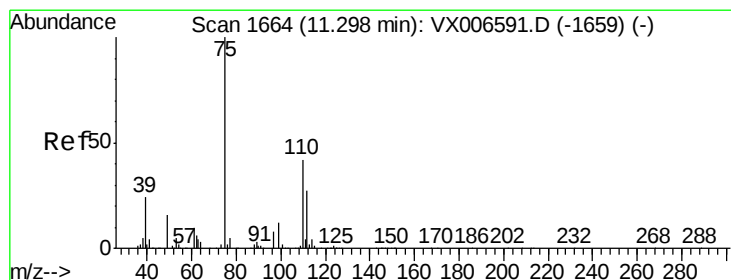
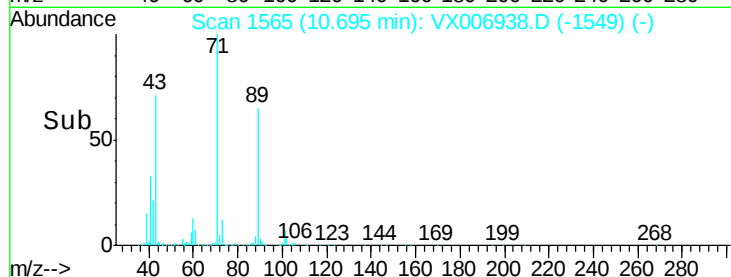
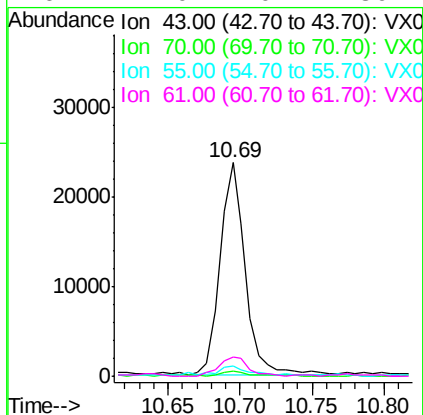
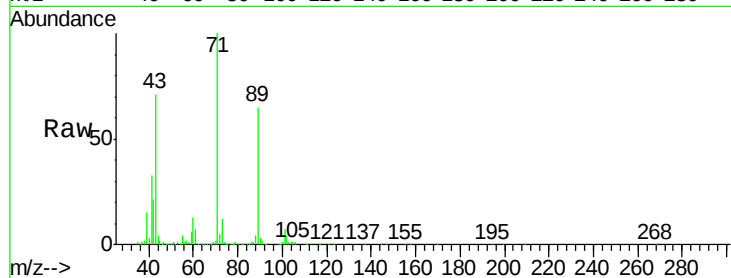
Acq: 07 Jan 2019 16:21

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	43	Resp:	28757
Ion	Ratio	Lower	Upper
43	100		
70	3.0	35.8	53.8#
55	5.0	19.4	29.0#
61	11.0	20.1	30.1#



#76

1,2,3-Trichloropropane

Concen: 23.266 ug/l

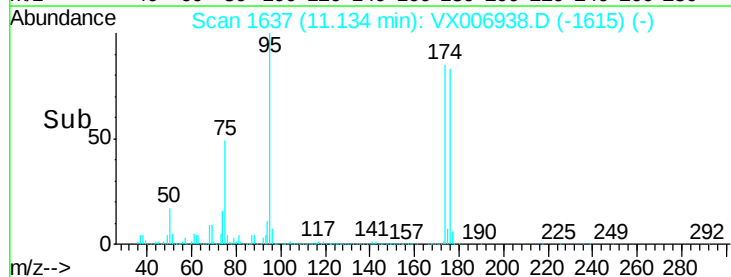
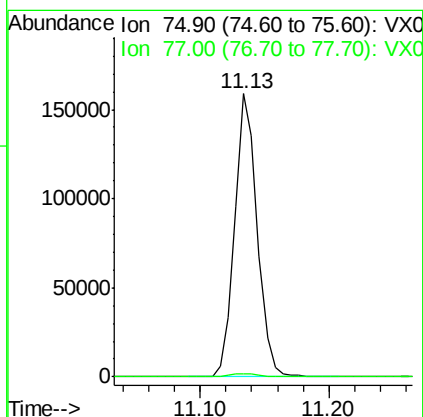
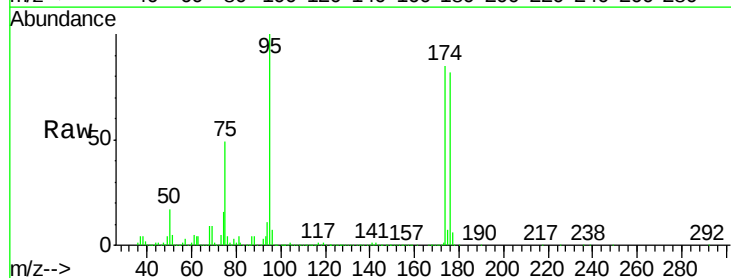
RT: 11.13 min Scan# 1637

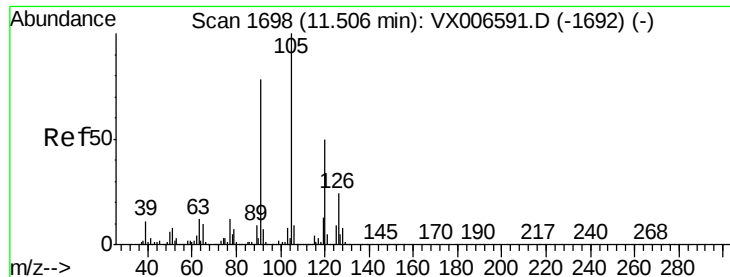
Delta R.T. -0.16 min

Lab File: VX006938.D

Acq: 07 Jan 2019 16:21

Tgt Ion:	75	Resp:	193723
Ion	Ratio	Lower	Upper
75	100		
77	1.4	18.5	55.5#

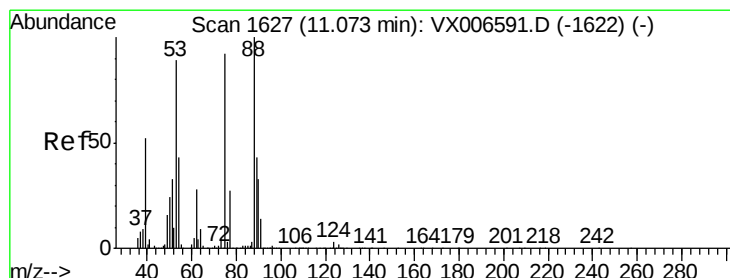
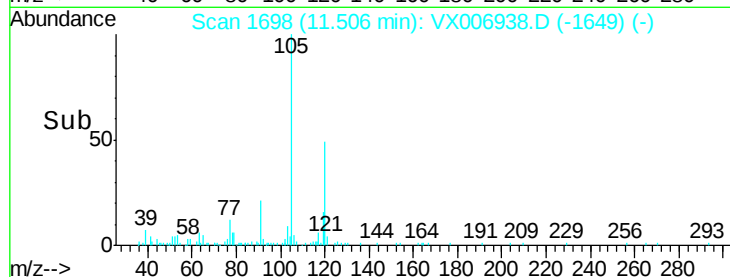
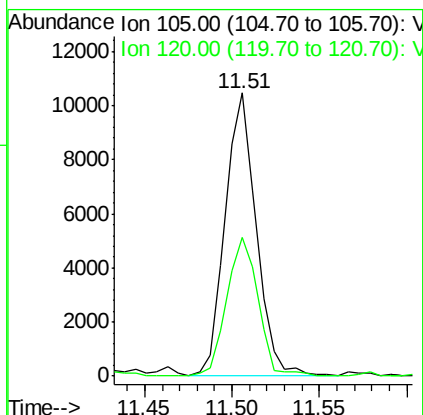
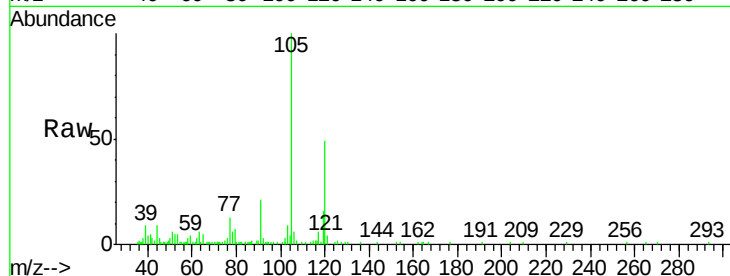




#80
 1,3,5-Trimethylbenzene
 Concen: 0.515 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX006938.D
 Acq: 07 Jan 2019 16:21

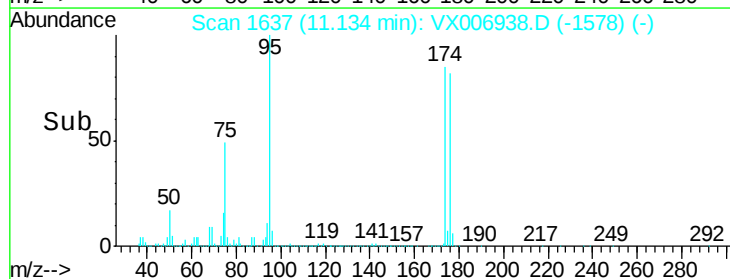
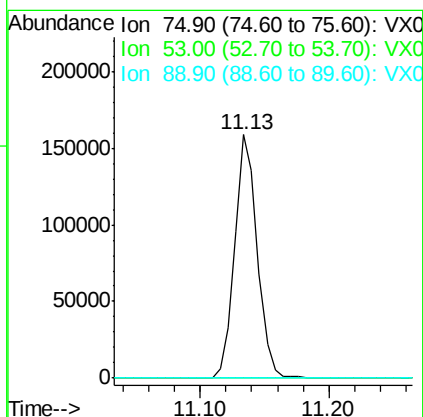
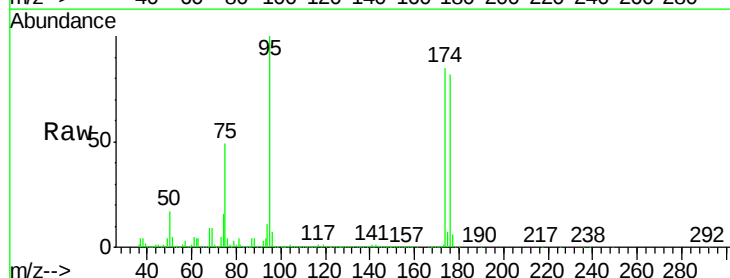
Instrument :
 MSVOA_X
 ClientSampleId :

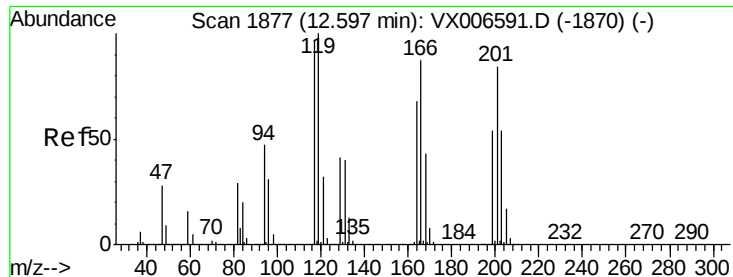
Tot Ion:105 Resp: 12996
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.1 75.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.042 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX006938.D
 Acq: 07 Jan 2019 16:21

Tgt Ion: 75 Resp: 193723
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.7 119.5#
 89 0.0 38.0 57.0#





#90

Hexachloroethane

Concen: 3.298 ug/l

RT: 12.60 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VX006938.D

Acq: 07 Jan 2019 16:21

Instrument :

MSVOA_X

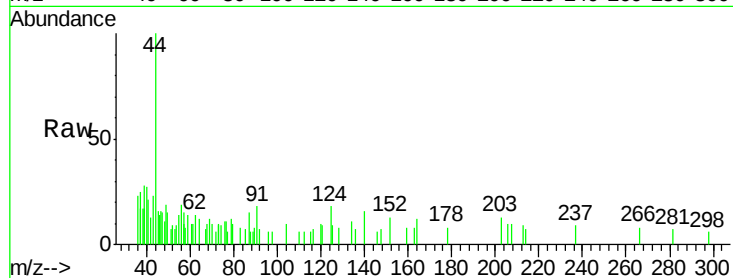
ClientSampleId :

Tot Ion:117 Resp: 22

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

