

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010919\
 Data File : VX006971.D
 Acq On : 09 Jan 2019 17:53
 Operator : JC/MD
 Sample : K1006-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 10 00:57:59 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

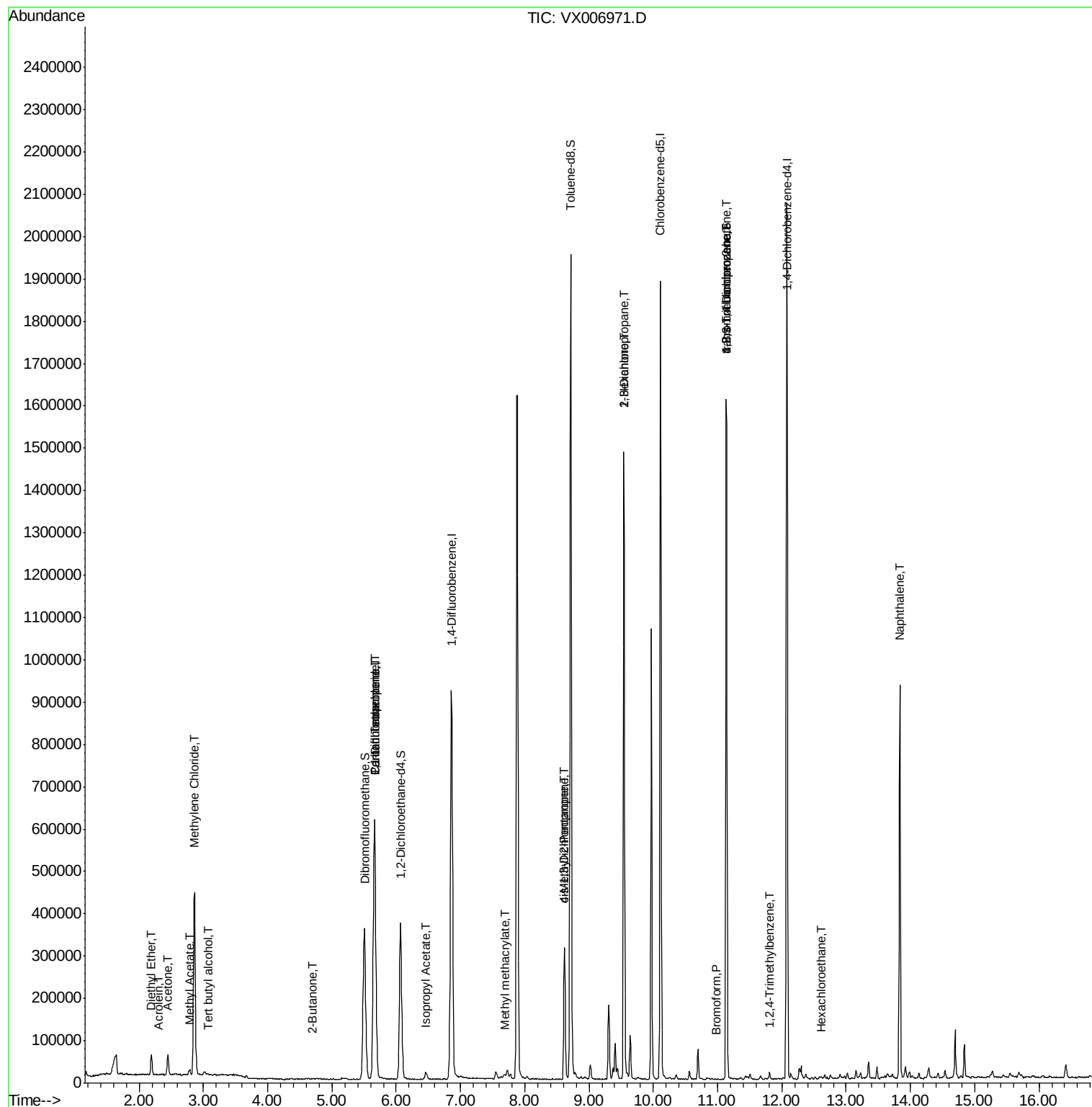
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	633437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	987159	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	906224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	439894	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	337015	50.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.82%	
35) Dibromofluoromethane	5.51	113	299396	47.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.72%	
50) Toluene-d8	8.71	98	1168469	50.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.13	95	409004	50.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.40%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.19	74	16956	4.049	ug/l	97
11) Tert butyl alcohol	3.07	59	583	0.373	ug/l #	1
13) Acrolein	2.29	56	380	3.641	ug/l	83
16) Acetone	2.45	43	50002	15.279	ug/l	100
18) Methyl Acetate	2.78	43	15996	1.688	ug/l	97
20) Methylene Chloride	2.86	84	204642	32.680	ug/l	95
25) 2-Butanone	4.70	43	3957	0.845	ug/l	93
36) 1,1-Dichloropropene	5.67	75	41335	4.816	ug/l #	49
38) Carbon Tetrachloride	5.66	117	57061	6.608	ug/l #	13
43) Isopropyl Acetate	6.46	43	22396	1.543	ug/l	99
48) Methyl methacrylate	7.69	41	11601	1.556	ug/l #	12
49) 1,4-Dioxane	7.76	88	75	Below Cal	#	27
51) 4-Methyl-2-Pentanone	8.62	43	103566	11.103	ug/l #	49
54) cis-1,3-Dichloropropene	8.62	75	52990	5.494	ug/l #	66
57) 1,3-Dichloropropane	9.54	76	12531	1.135	ug/l #	46
59) 2-Hexanone	9.54	43	166734	23.457	ug/l #	50
71) Bromoform	10.98	173	101	4.743	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	195900	21.976	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	195900	65.086	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	7275	0.279	ug/l	95
90) Hexachloroethane	12.61	117	326	2.978	ug/l #	6
95) Naphthalene	13.83	128	565215	17.834	ug/l	99

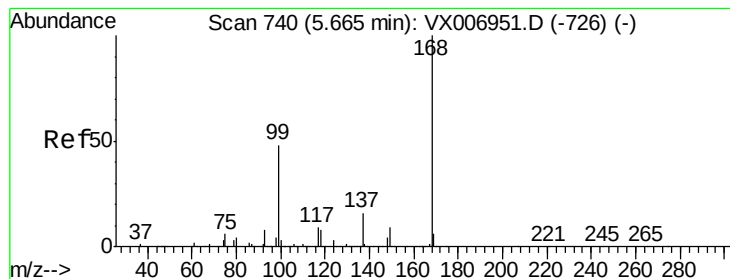
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010919\
Data File : VX006971.D
Acq On : 09 Jan 2019 17:53
Operator : JC/MD
Sample : K1006-10
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 10 00:57:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
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: VX006971.D

Acq: 09 Jan 2019 17:53

Instrument :

MSVOA_X

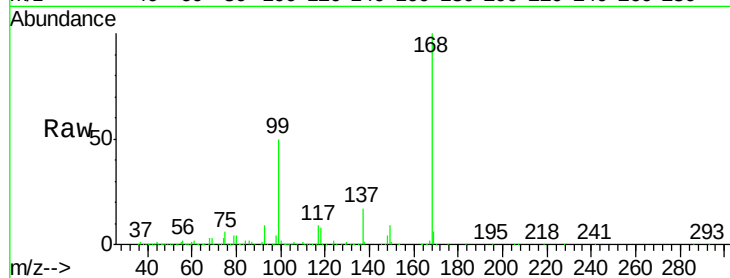
ClientSampleId :

Tot Ion:168 Resp: 633437

Ion Ratio Lower Upper

168 100

99 50.0 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

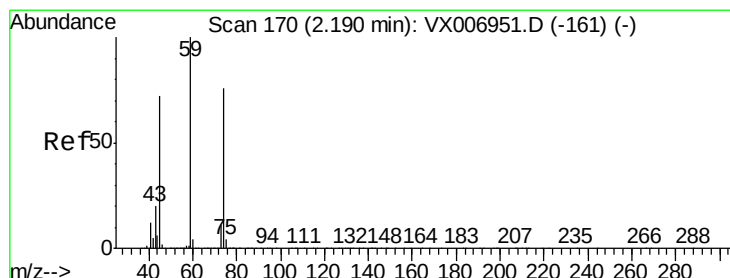
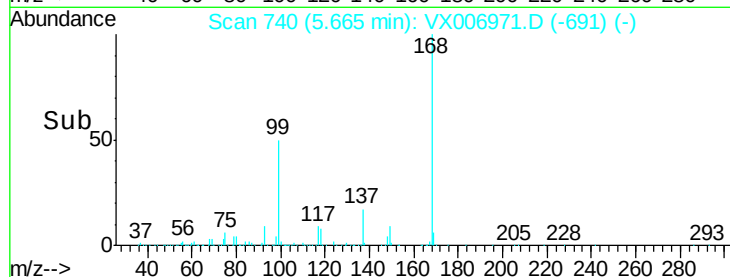
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 4.049 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX006971.D

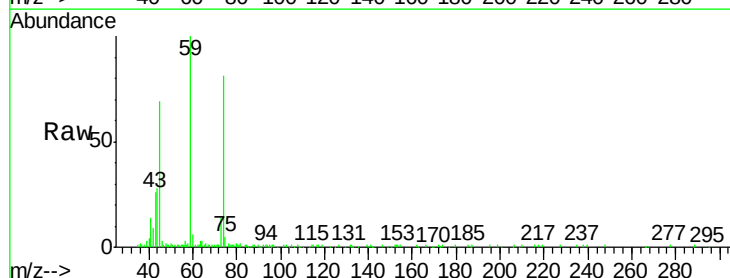
Acq: 09 Jan 2019 17:53

Tgt Ion: 74 Resp: 16956

Ion Ratio Lower Upper

74 100

45 89.6 46.3 138.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

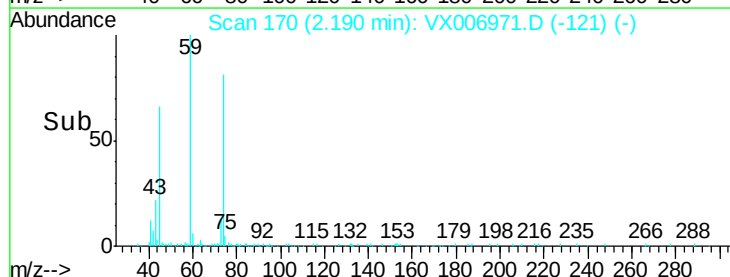
2.19

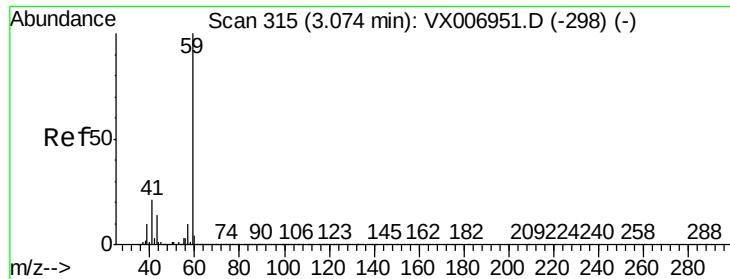
10000

5000

0

Time--> 2.10 2.15 2.20 2.25

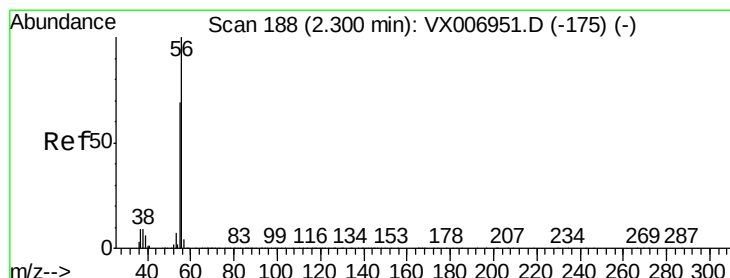
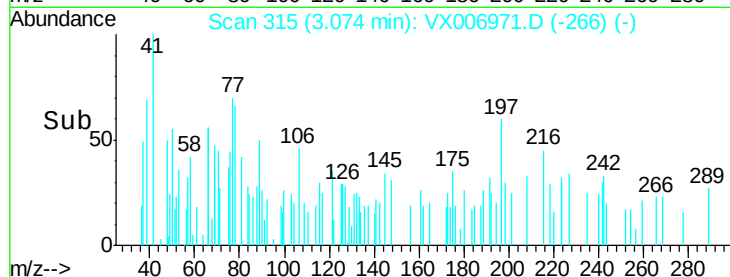
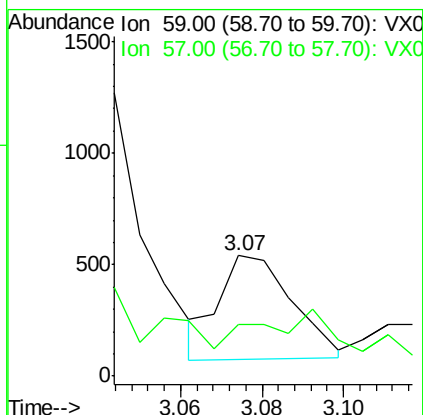
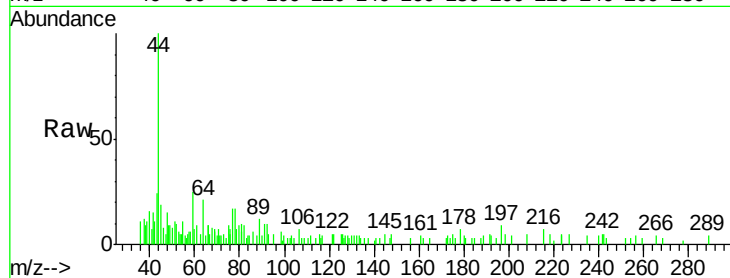




#11
Tert butyl alcohol
Concen: 0.373 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX006971.D
Acq: 09 Jan 2019 17:53

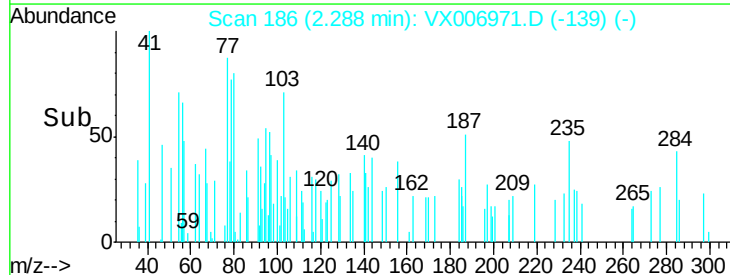
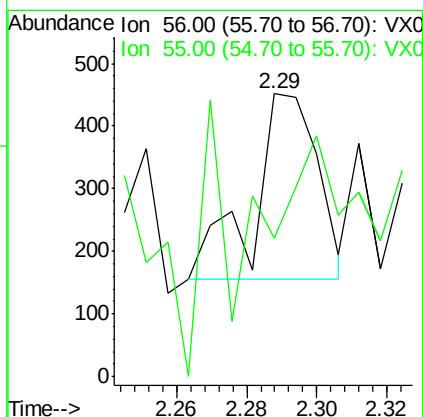
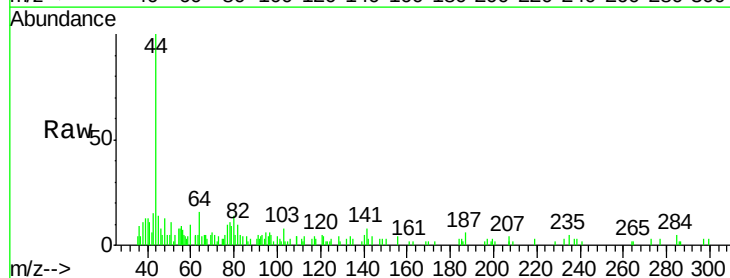
Instrument :
MSVOA_X
ClientSampleId :

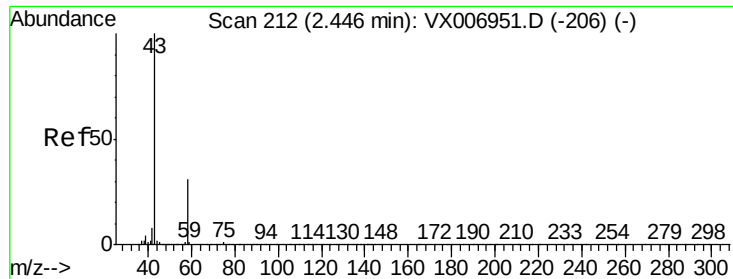
Tot Ion: 59 Resp: 583
Ion Ratio Lower Upper
59 100
57 94.3 8.5 12.7#



#13
Acrolein
Concen: 3.641 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX006971.D
Acq: 09 Jan 2019 17:53

Tgt Ion: 56 Resp: 380
Ion Ratio Lower Upper
56 100
55 58.9 58.2 87.4

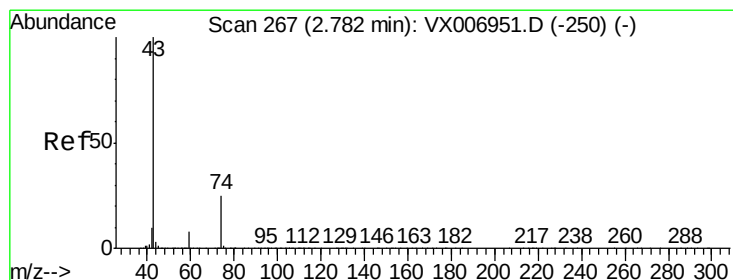
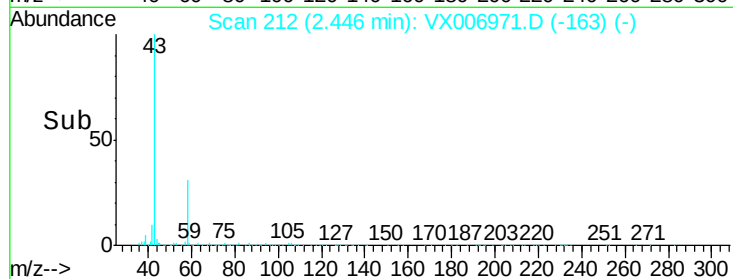
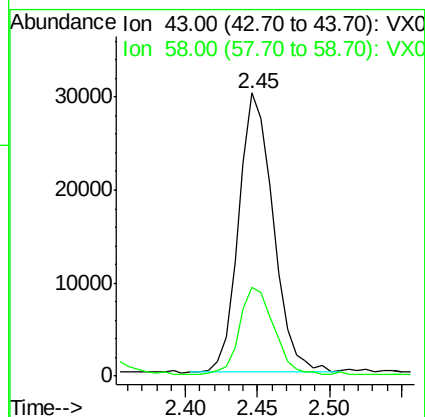
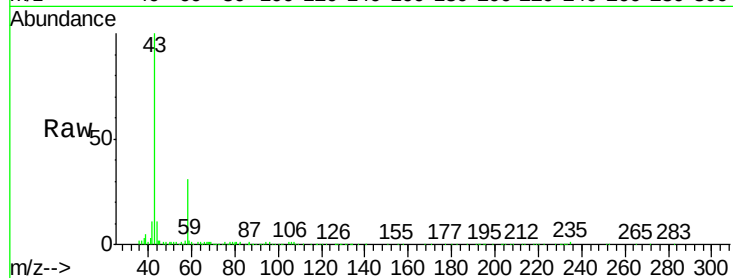




#16
Acetone
Concen: 15.279 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006971.D
Acq: 09 Jan 2019 17:53

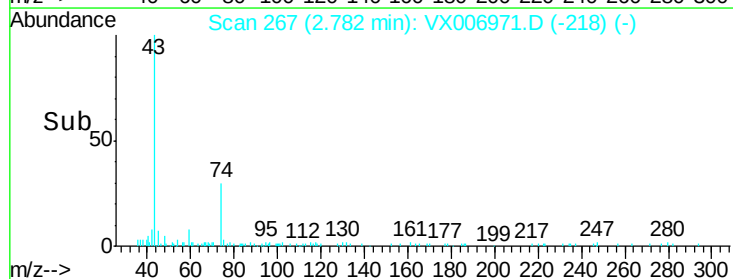
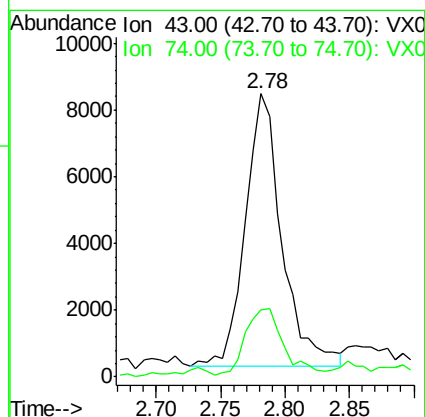
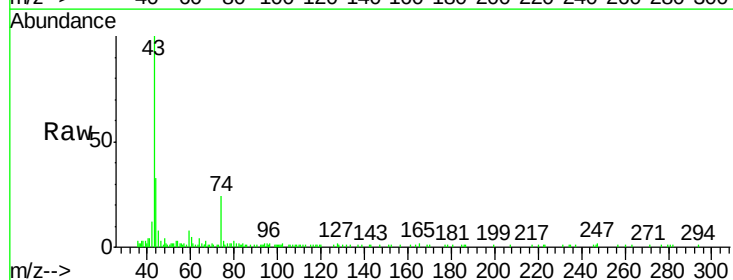
Instrument :
MSVOA_X
ClientSampleId :

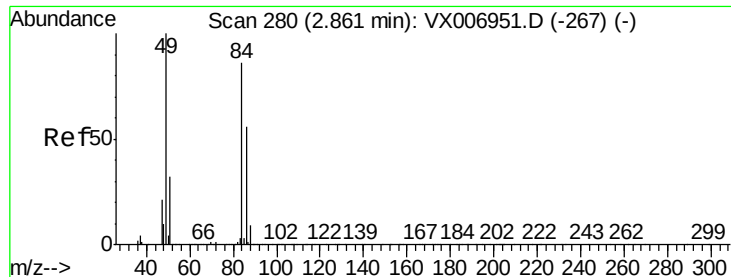
Tot Ion: 43 Resp: 50002
Ion Ratio Lower Upper
43 100
58 31.2 25.0 37.6



#18
Methyl Acetate
Concen: 1.688 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX006971.D
Acq: 09 Jan 2019 17:53

Tgt Ion: 43 Resp: 15996
Ion Ratio Lower Upper
43 100
74 24.9 18.6 28.0

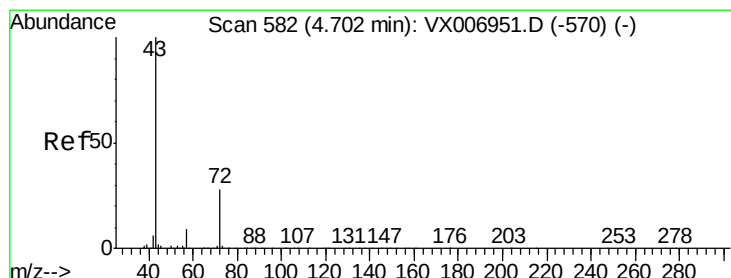
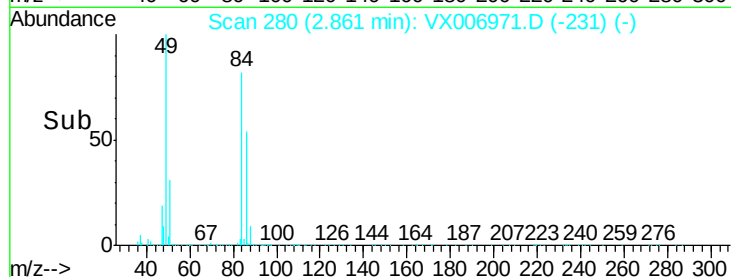
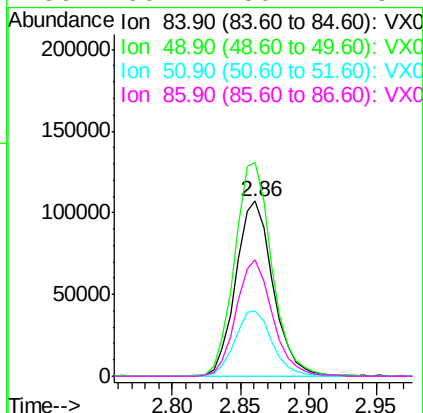
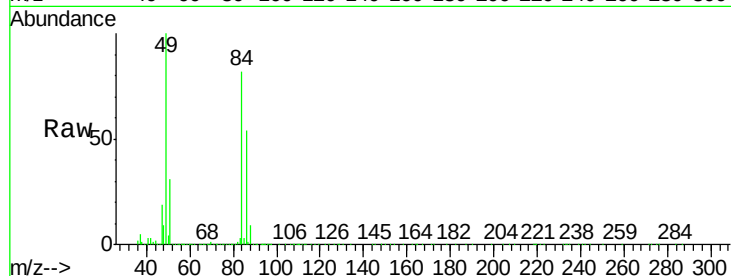




#20
Methylene Chloride
Concen: 32.680 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006971.D
Acq: 09 Jan 2019 17:53

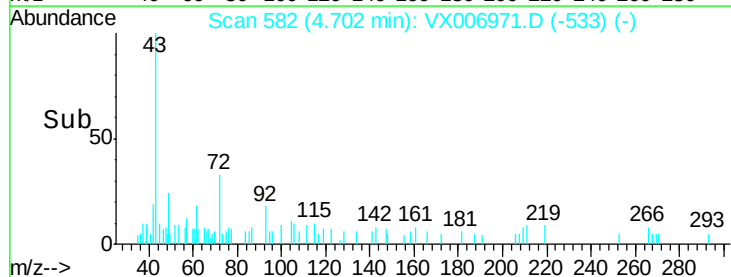
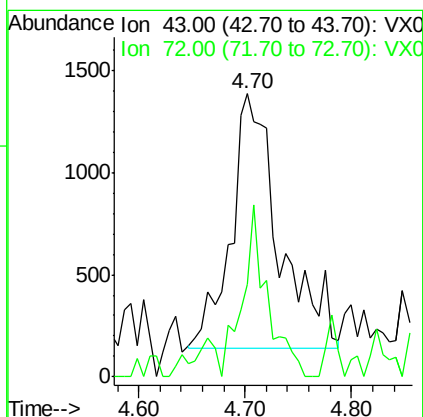
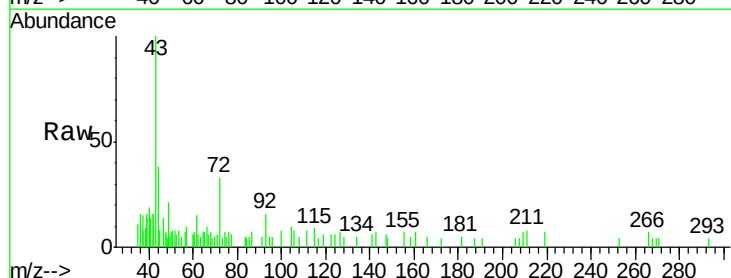
Instrument :
MSVOA_X
ClientSampleId :

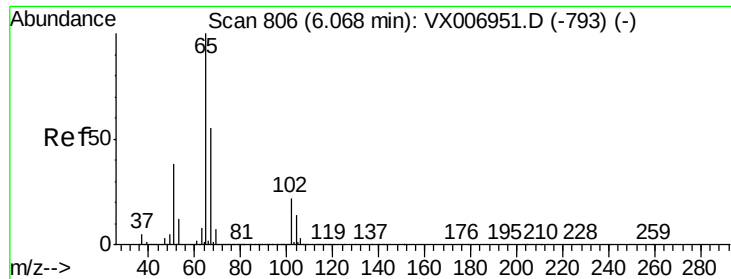
Tot Ion:	84	Resp:	204642
Ion	Ratio	Lower	Upper
84	100		
49	122.0	91.8	137.6
51	37.3	28.5	42.7
86	66.2	50.2	75.2



#25
2-Butanone
Concen: 0.845 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX006971.D
Acq: 09 Jan 2019 17:53

Tgt Ion:	43	Resp:	3957
Ion	Ratio	Lower	Upper
43	100		
72	31.8	22.4	33.6

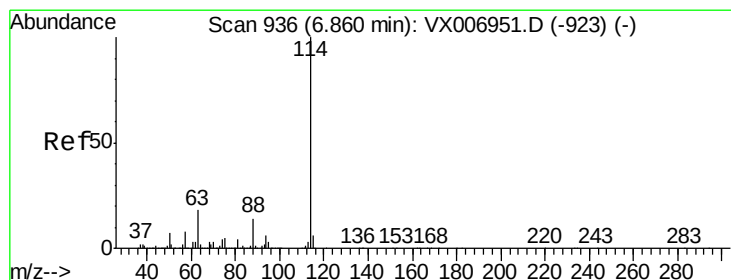
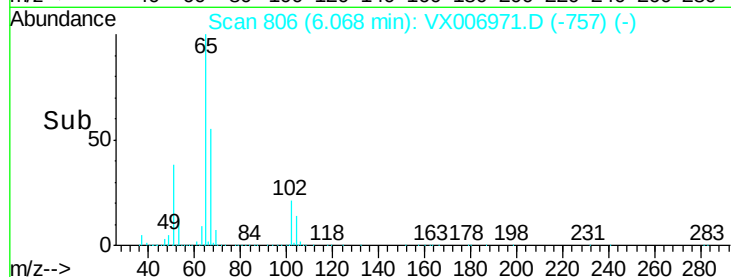
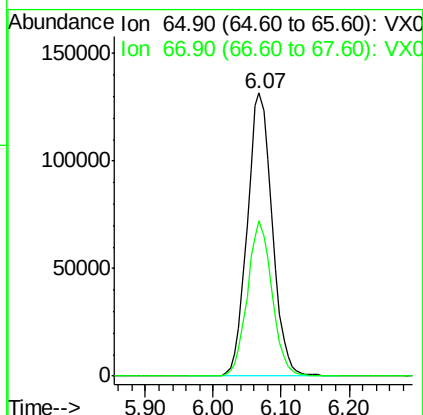
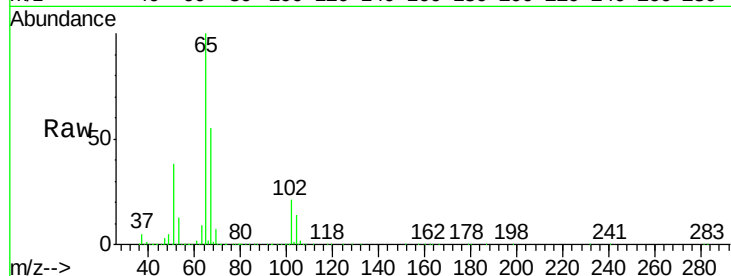




#33
 1,2-Dichloroethane-d4
 Concen: 50.909 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006971.D
 Acq: 09 Jan 2019 17:53

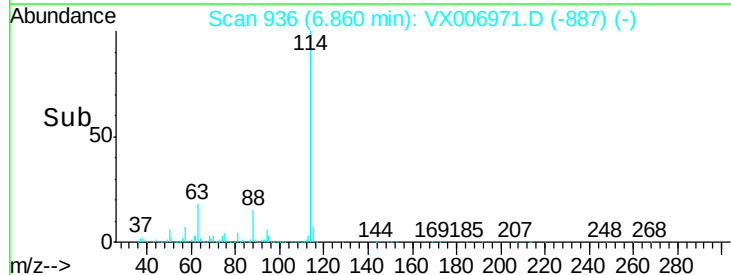
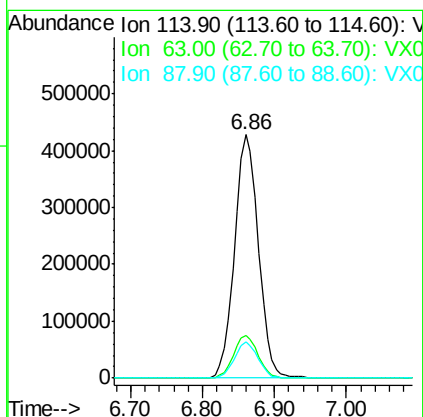
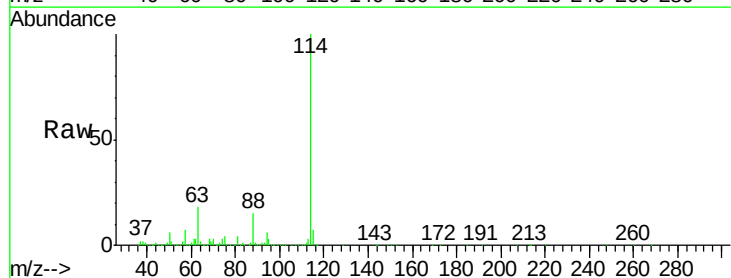
Instrument :
 MSVOA_X
 ClientSampleId :

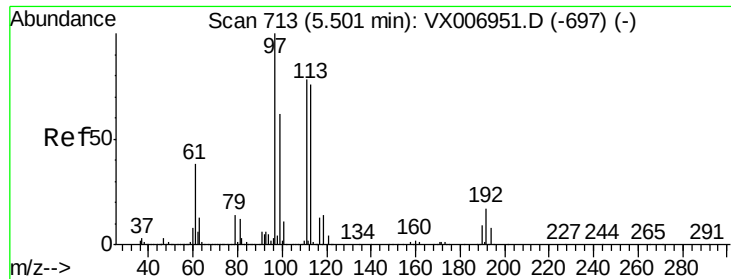
Tot Ion: 65 Resp: 337015
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006971.D
 Acq: 09 Jan 2019 17:53

Tgt Ion: 114 Resp: 987159
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 34.8
 88 14.7 0.0 28.8





#35

Dibromofluoromethane

Concen: 47.360 ug/l

RT: 5.51 min Scan# 714

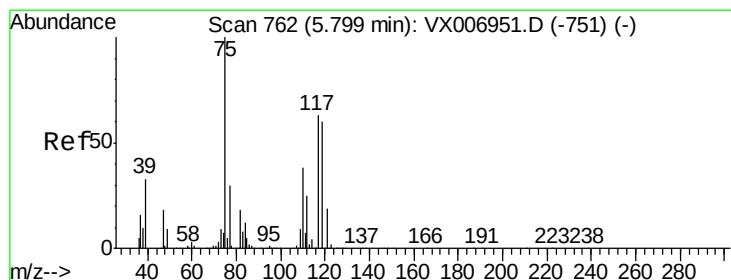
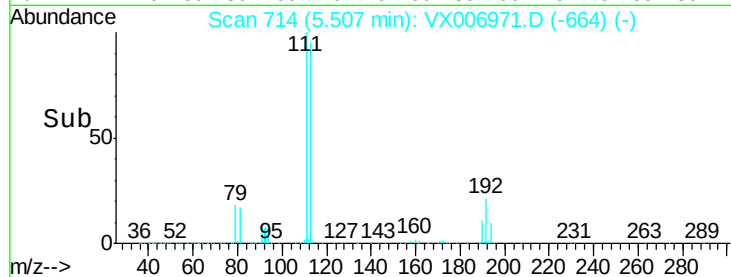
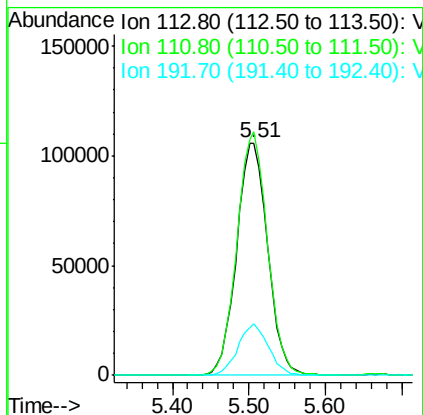
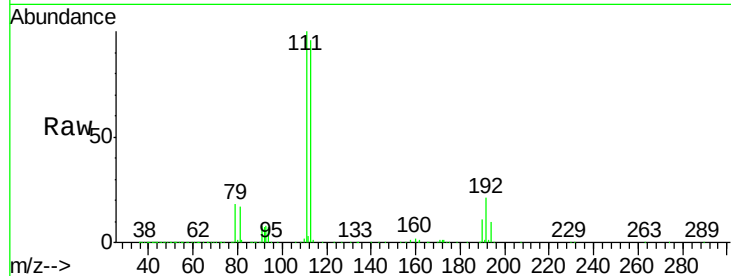
Delta R.T. 0.01 min

Lab File: VX006971.D

Acq: 09 Jan 2019 17:53

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:113	Resp:	299396
Ion Ratio	Lower	Upper
113	100	
111	102.8	81.6 122.4
192	21.8	16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.816 ug/l

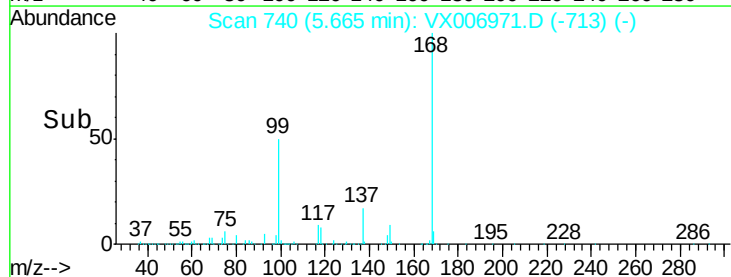
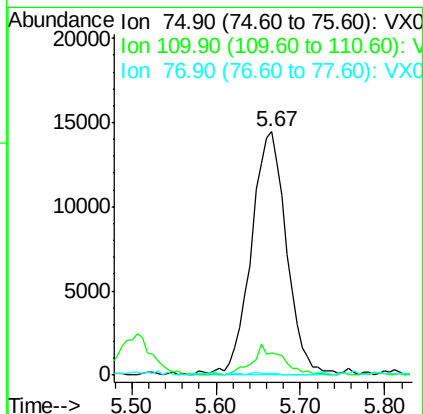
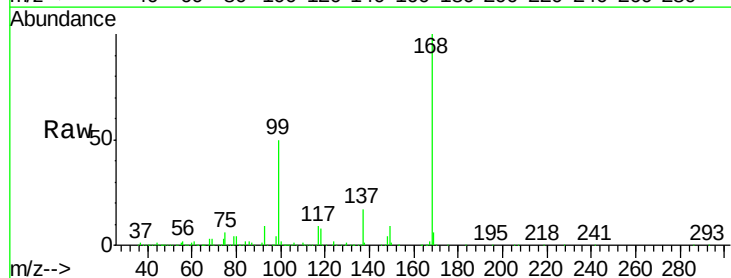
RT: 5.67 min Scan# 740

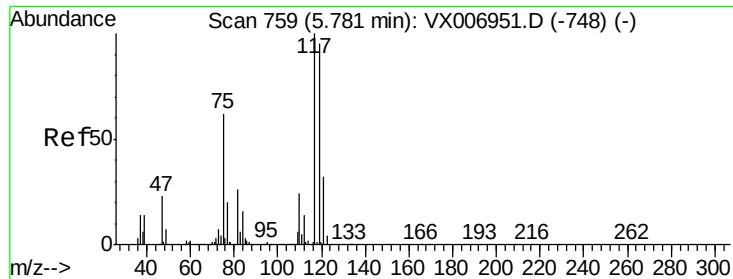
Delta R.T. -0.13 min

Lab File: VX006971.D

Acq: 09 Jan 2019 17:53

Tgt Ion: 75	Resp:	41335
Ion Ratio	Lower	Upper
75	100	
110	10.7	20.2 60.5#
77	0.7	24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.608 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006971.D

Acq: 09 Jan 2019 17:53

Instrument :

MSVOA_X

ClientSampled :

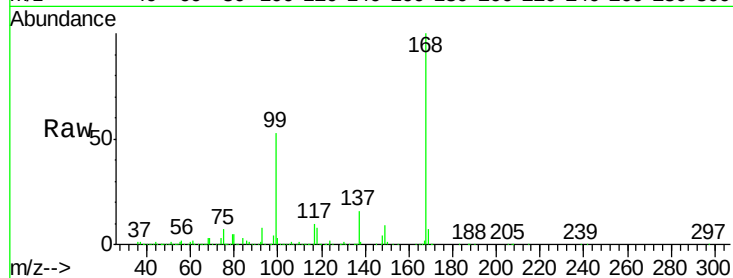
Tot Ion:117 Resp: 57061

Ion Ratio Lower Upper

117 100

119 3.4 79.4 119.2#

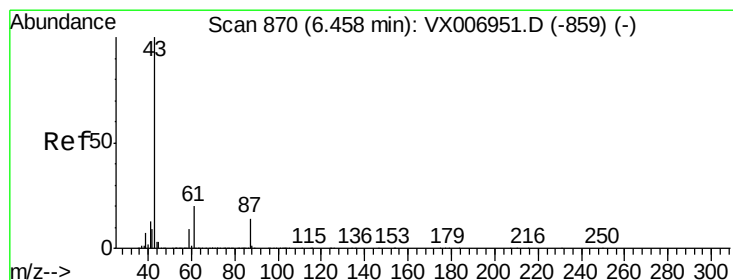
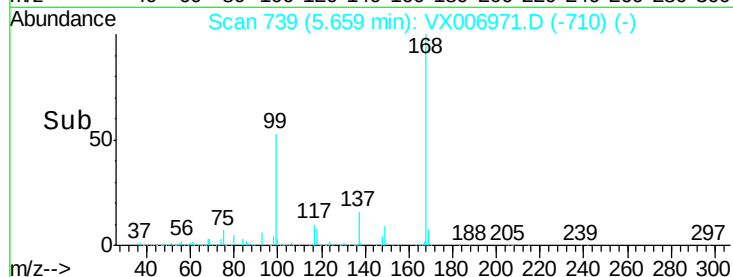
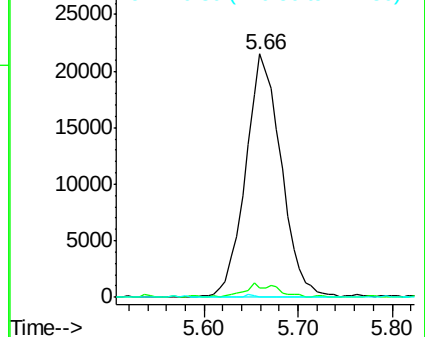
121 0.3 24.0 36.0#



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: 1.543 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX006971.D

Acq: 09 Jan 2019 17:53

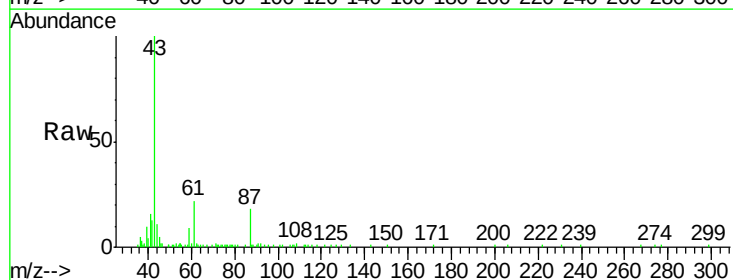
Tgt Ion: 43 Resp: 22396

Ion Ratio Lower Upper

43 100

61 21.3 16.8 25.2

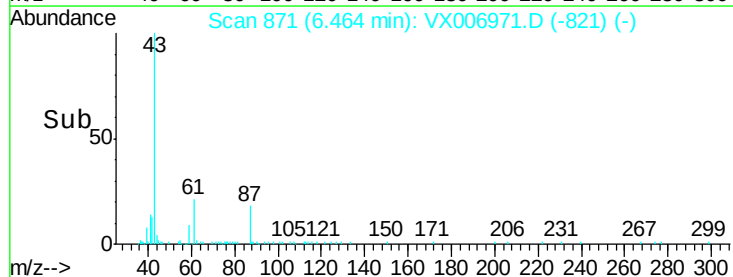
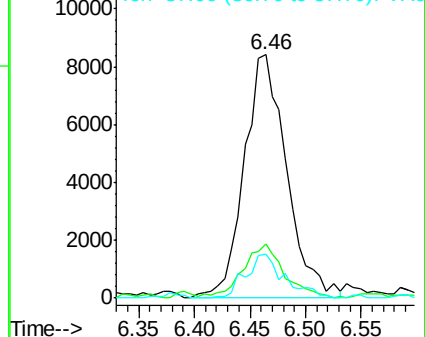
87 16.4 12.4 18.6

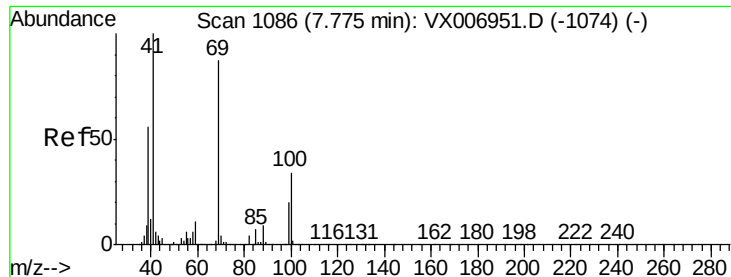


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

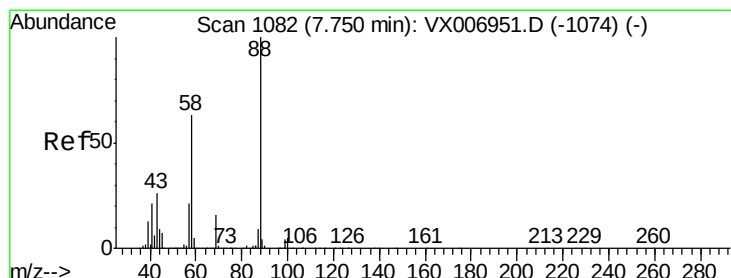
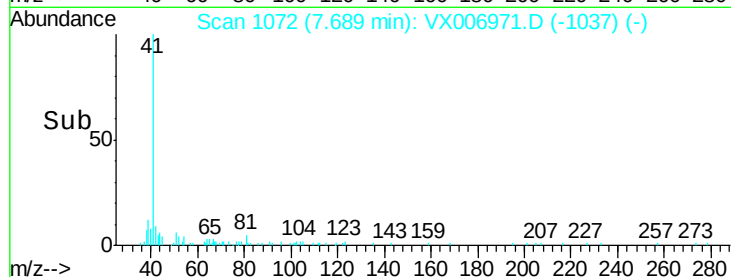
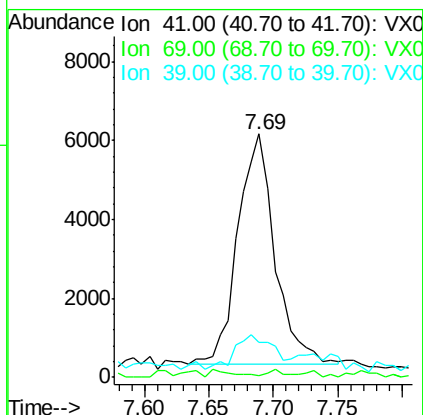
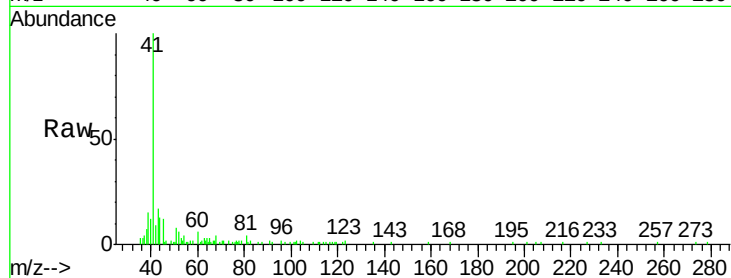




#48
Methyl methacrylate
Concen: 1.556 ug/l
RT: 7.69 min Scan# 1072
Delta R.T. -0.09 min
Lab File: VX006971.D
Acq: 09 Jan 2019 17:53

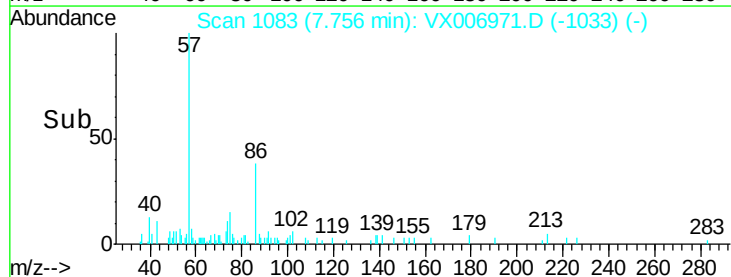
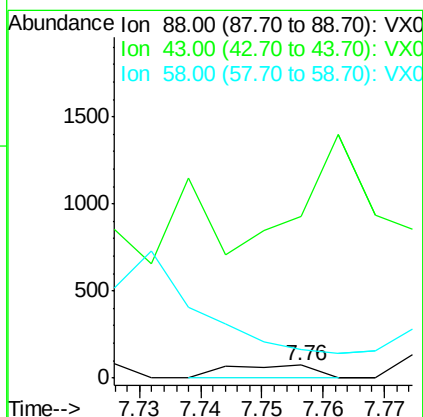
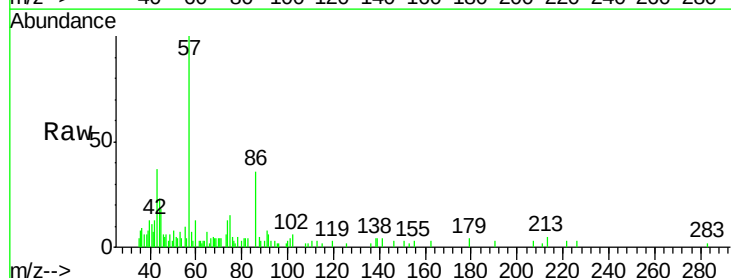
Instrument :
MSVOA_X
ClientSampled :

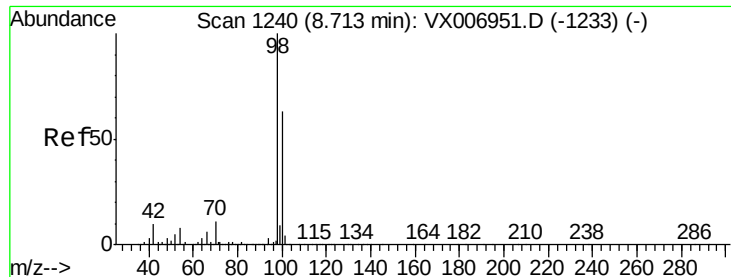
Tot Ion: 41 Resp: 11601
Ion Ratio Lower Upper
41 100
69 0.8 72.4 108.6#
39 0.0 45.8 68.8#



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006971.D
Acq: 09 Jan 2019 17:53

Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.4#
58 0.0 51.0 76.4#





#50

Toluene-d8

Concen: 50.497 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006971.D

Acq: 09 Jan 2019 17:53

Instrument :

MSVOA_X

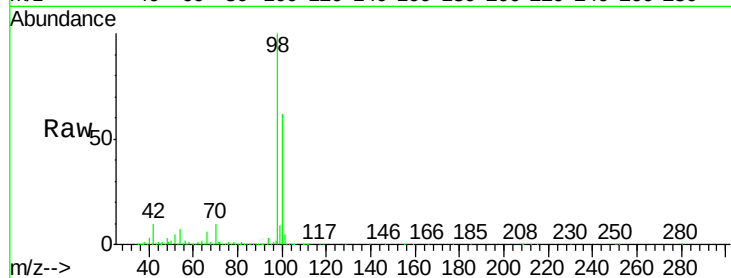
ClientSampleId :

Tot Ion: 98 Resp: 1168469

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

800000

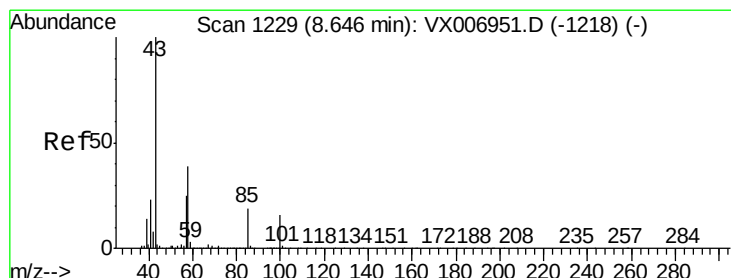
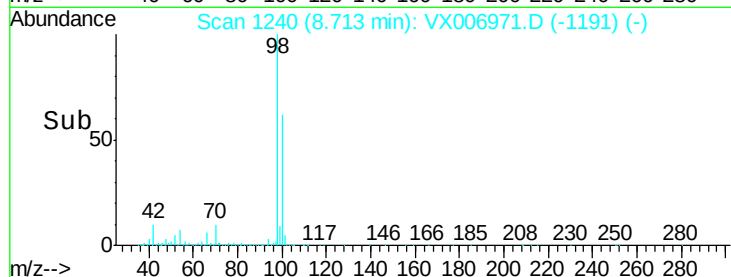
600000

400000

200000

0

Time--> 8.60 8.70 8.80



#51

4-Methyl-2-Pentanone

Concen: 11.103 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX006971.D

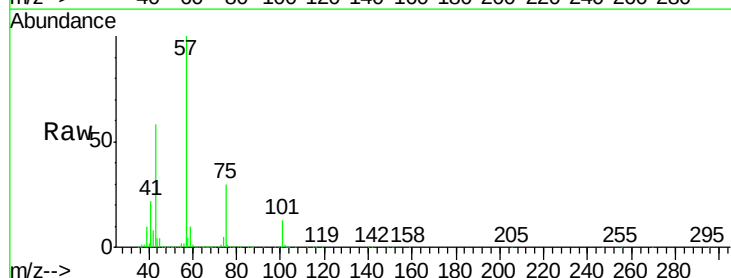
Acq: 09 Jan 2019 17:53

Tgt Ion: 43 Resp: 103566

Ion Ratio Lower Upper

43 100

58 8.6 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

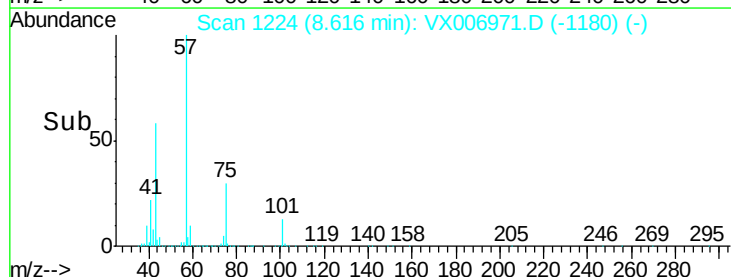
60000

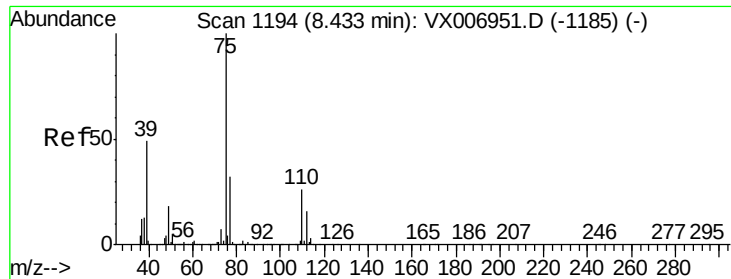
40000

20000

0

Time--> 8.55 8.60 8.65 8.70





#54

cis-1,3-Dichloropropene

Concen: 5.494 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX006971.D

Acq: 09 Jan 2019 17:53

Instrument :

MSVOA_X

ClientSampleId :

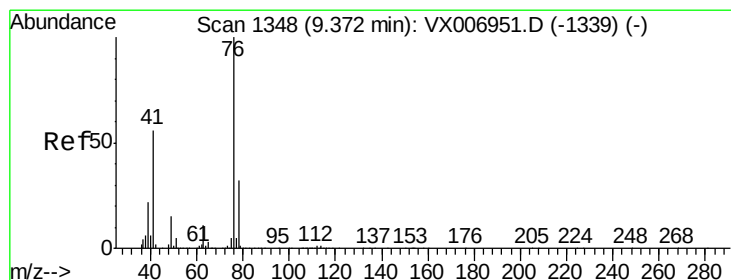
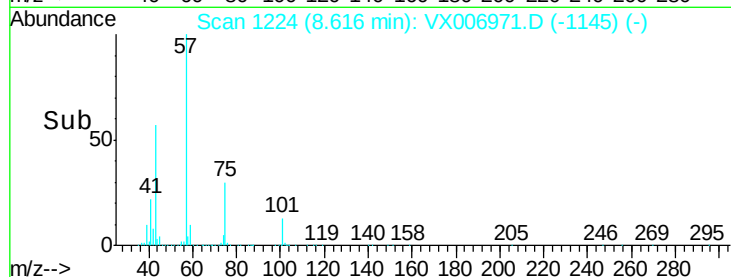
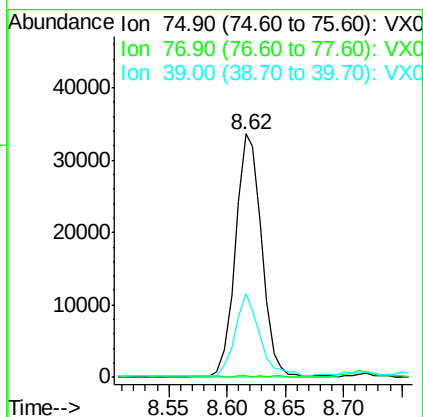
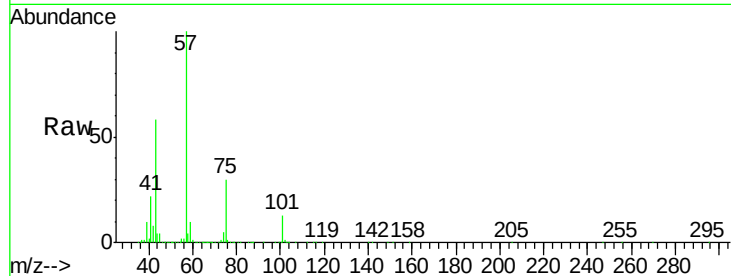
Tot Ion: 75 Resp: 52990

Ion Ratio Lower Upper

75 100

77 0.7 26.2 39.2#

39 33.9 36.7 55.1#



#57

1,3-Dichloropropane

Concen: 1.135 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX006971.D

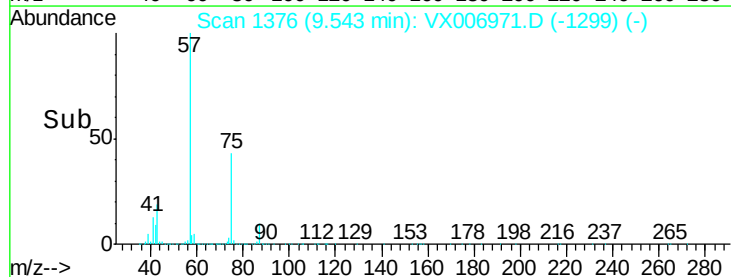
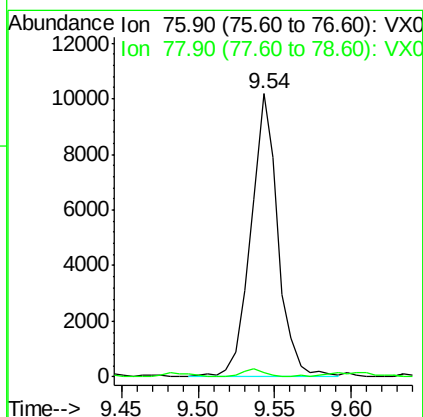
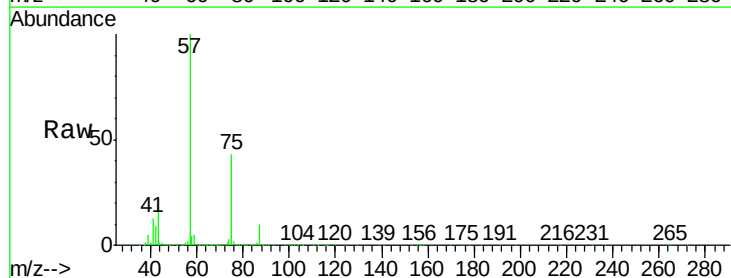
Acq: 09 Jan 2019 17:53

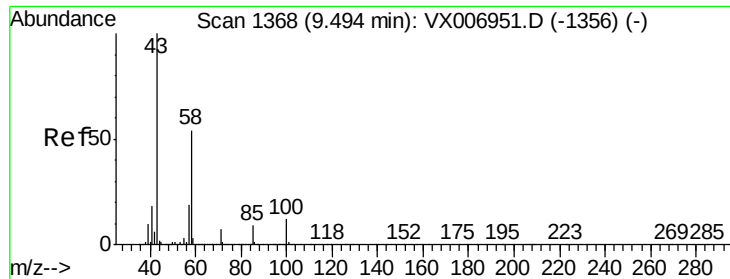
Tgt Ion: 76 Resp: 12531

Ion Ratio Lower Upper

76 100

78 2.2 26.0 39.0#

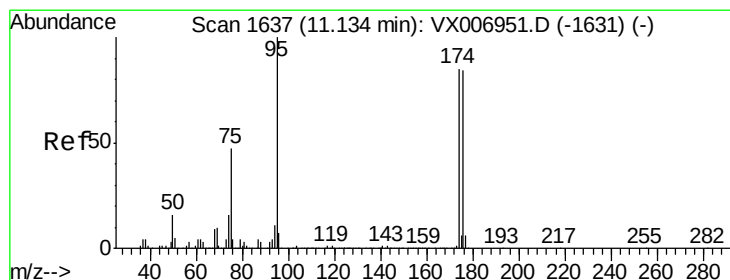
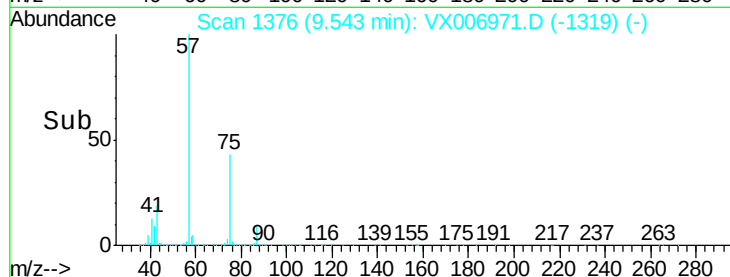
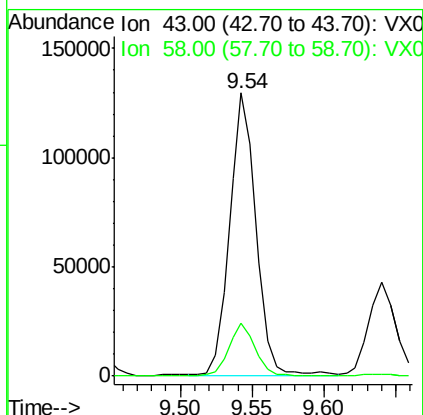
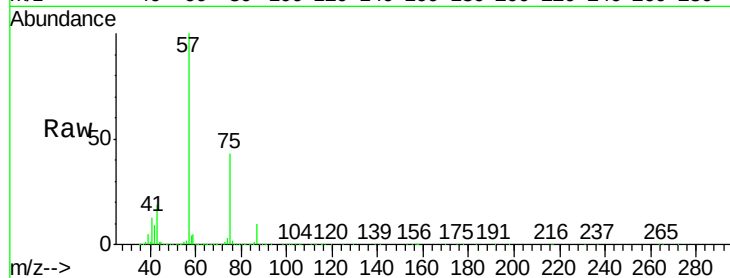




#59
2-Hexanone
Concen: 23.457 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.05 min
Lab File: VX006971.D
Acq: 09 Jan 2019 17:53

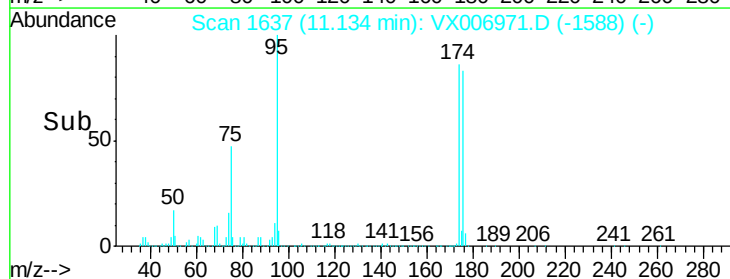
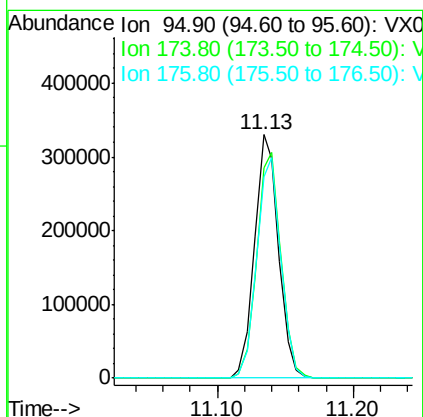
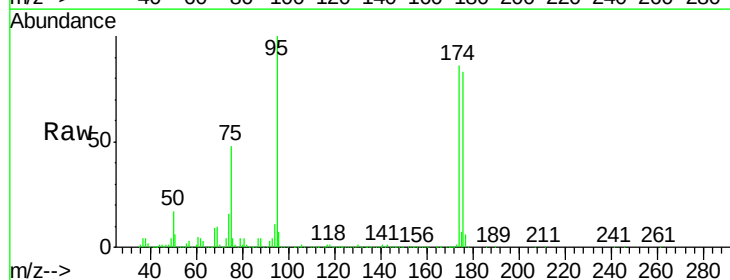
Instrument :
MSVOA_X
ClientSampled :

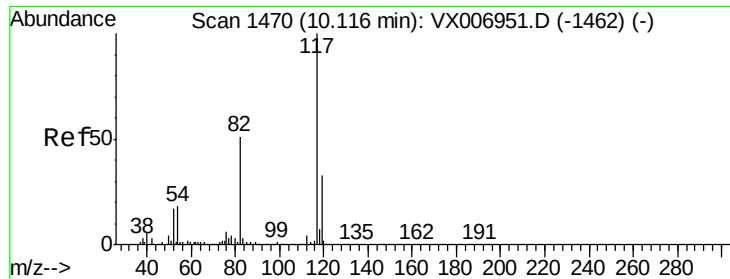
Tot Ion: 43 Resp: 166734
Ion Ratio Lower Upper
43 100
58 19.4 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 50.701 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX006971.D
Acq: 09 Jan 2019 17:53

Tgt Ion: 95 Resp: 409004
Ion Ratio Lower Upper
95 100
174 94.0 0.0 182.2
176 91.5 0.0 178.8

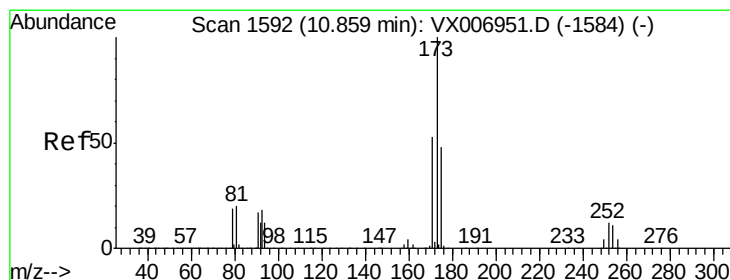
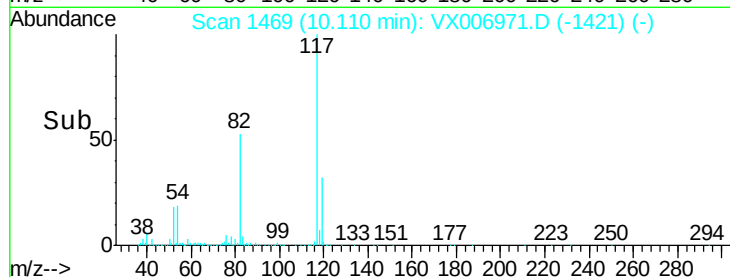
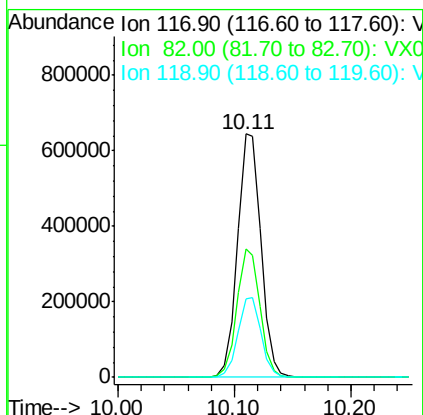
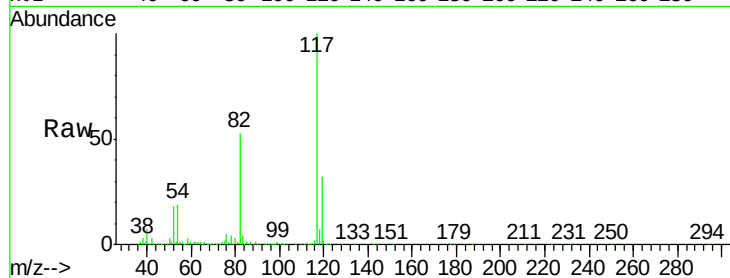




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX006971.D
Acq: 09 Jan 2019 17:53

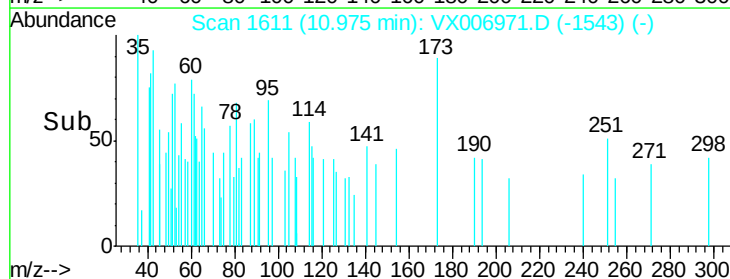
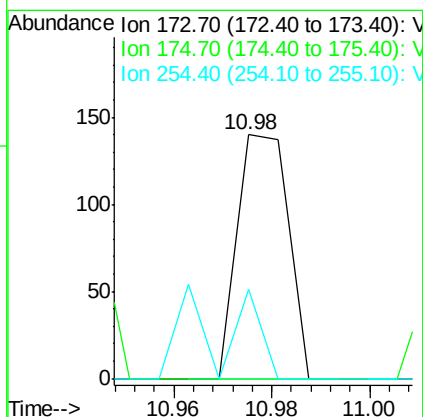
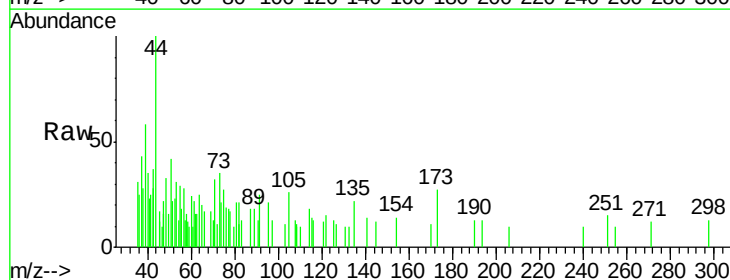
Instrument :
MSVOA_X
ClientSampleId :

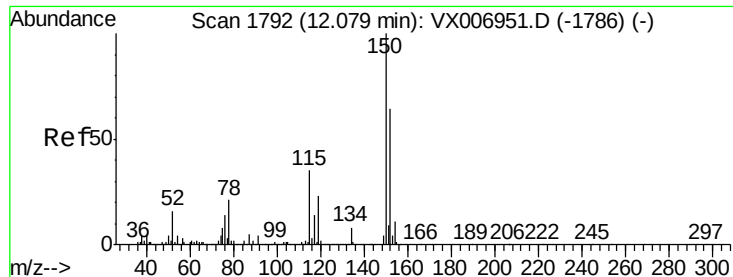
Tot Ion:117 Resp: 906224
Ion Ratio Lower Upper
117 100
82 53.0 41.0 61.6
119 32.5 25.4 38.0



#71
Bromoform
Concen: 4.743 ug/l
RT: 10.98 min Scan# 1611
Delta R.T. 0.12 min
Lab File: VX006971.D
Acq: 09 Jan 2019 17:53

Tgt Ion:173 Resp: 101
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
254 37.6 0.2 0.2#



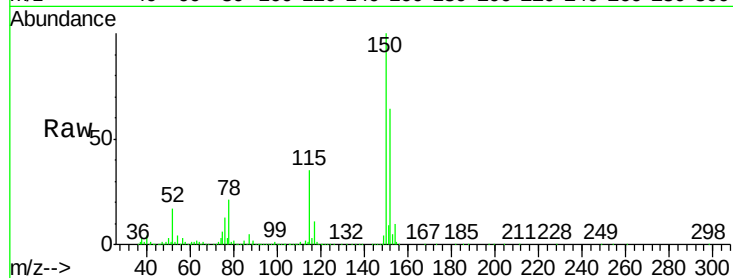


#72

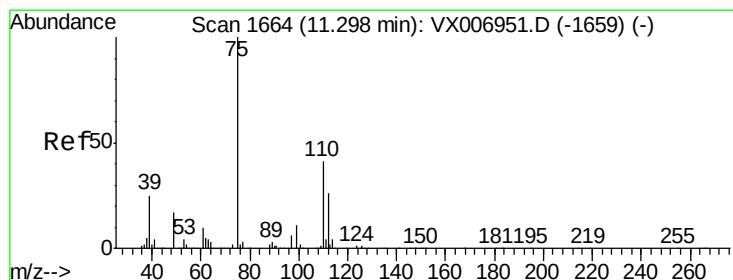
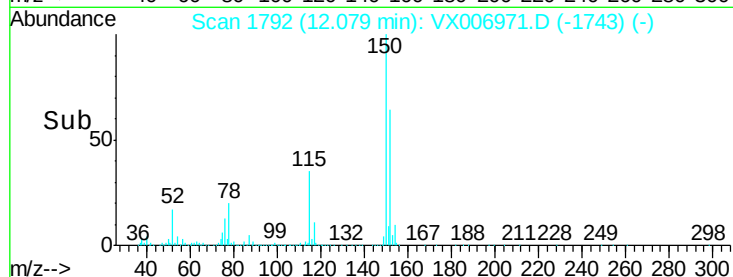
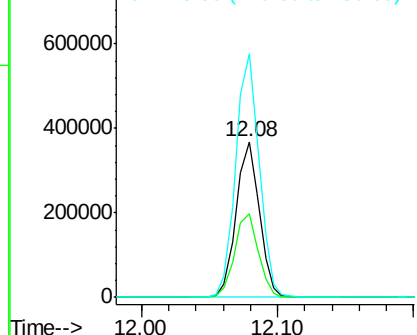
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006971.D
Acq: 09 Jan 2019 17:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.2	39.1	117.2
150	157.5	0.0	344.8



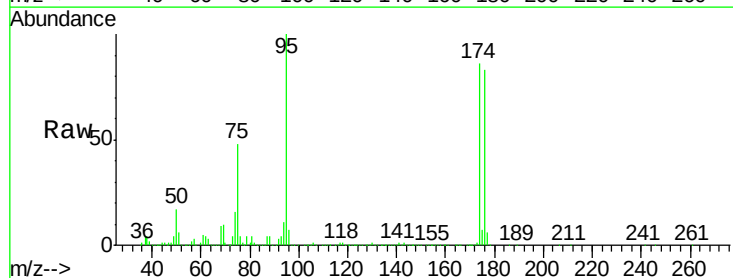
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



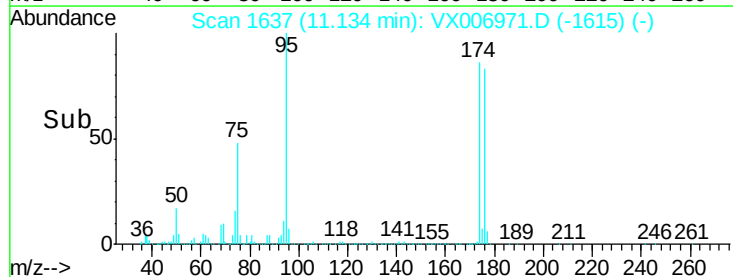
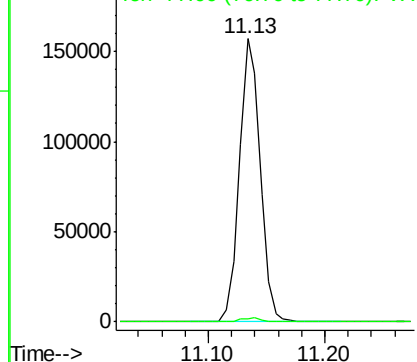
#76

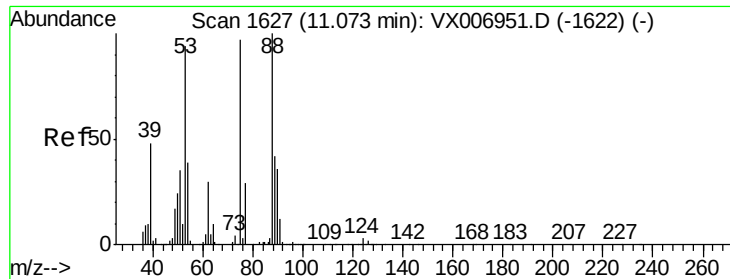
1,2,3-Trichloropropane
Concen: 21.976 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006971.D
Acq: 09 Jan 2019 17:53

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



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 65.086 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006971.D

Acq: 09 Jan 2019 17:53

Instrument :

MSVOA_X

ClientSampleId :

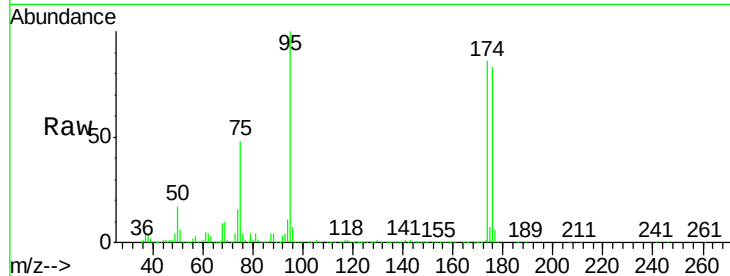
Tot Ion: 75 Resp: 195900

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

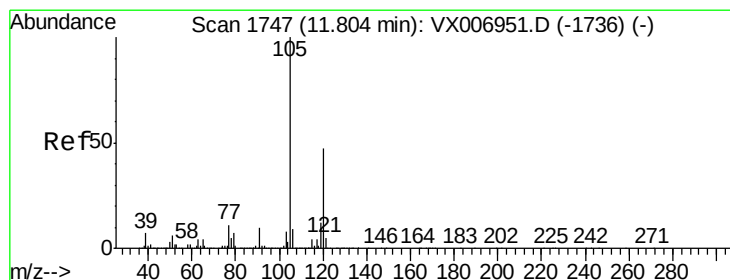
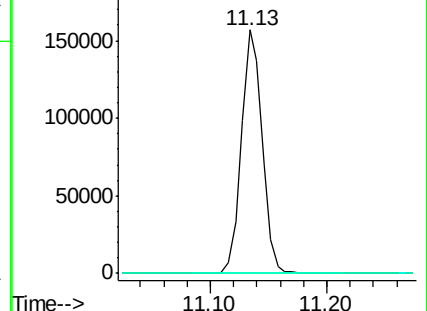
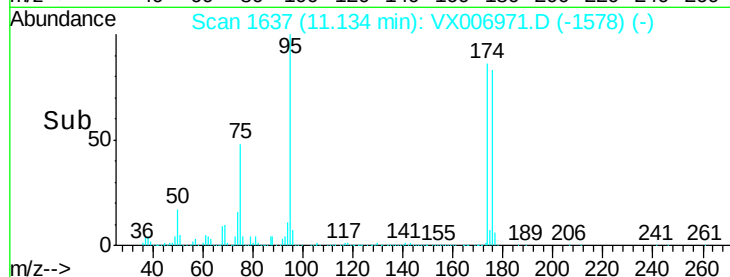
89 0.0 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#84

1,2,4-Trimethylbenzene

Concen: 0.279 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006971.D

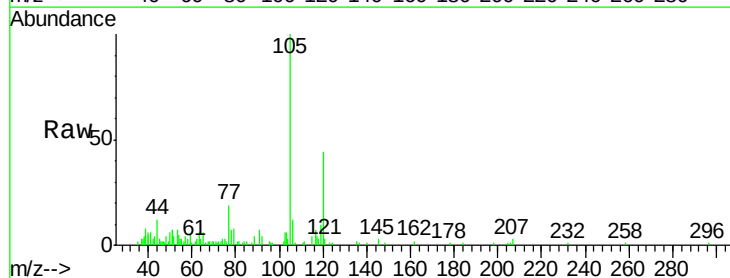
Acq: 09 Jan 2019 17:53

Tgt Ion:105 Resp: 7275

Ion Ratio Lower Upper

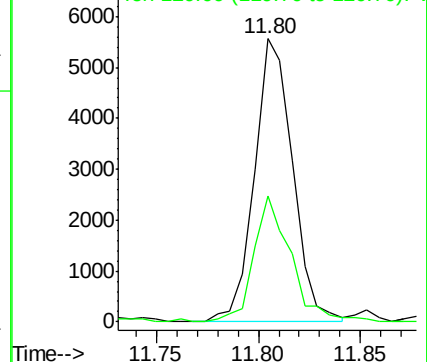
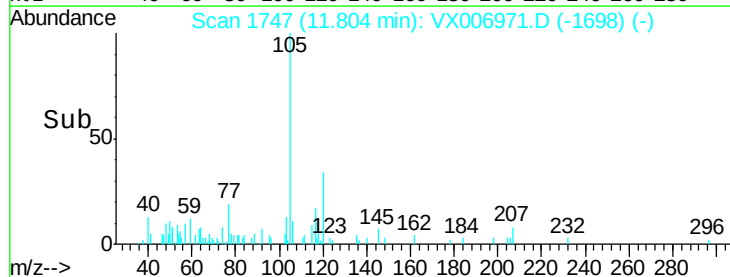
105 100

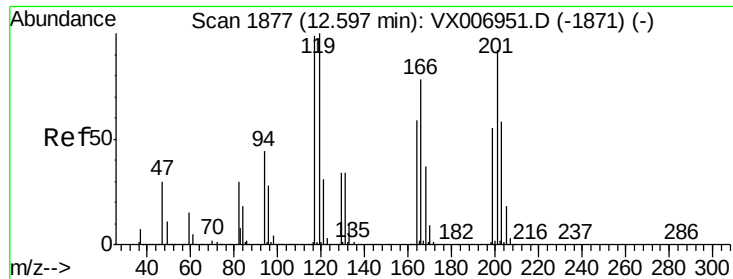
120 43.0 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 2.978 ug/l

RT: 12.61 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VX006971.D

Acq: 09 Jan 2019 17:53

Instrument :

MSVOA_X

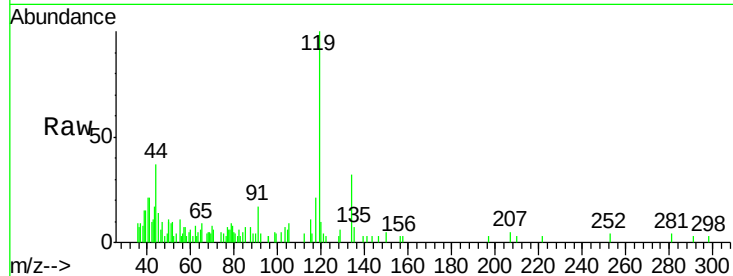
ClientSampleId :

Tot Ion:117 Resp: 326

Ion Ratio Lower Upper

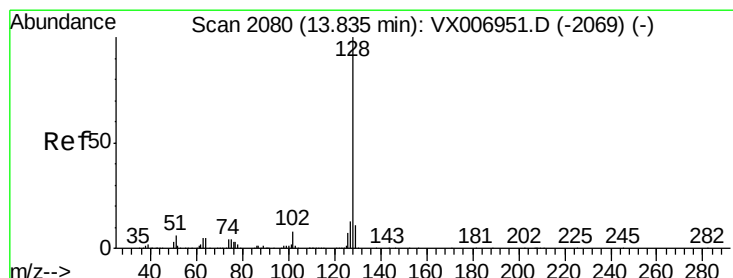
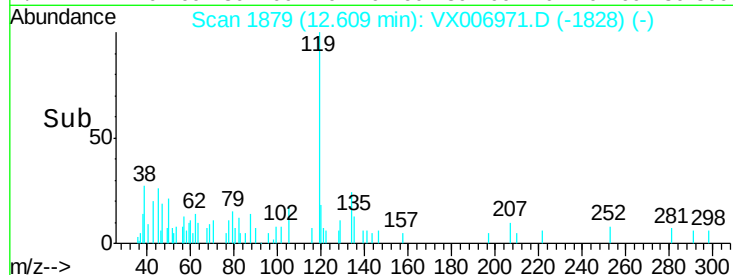
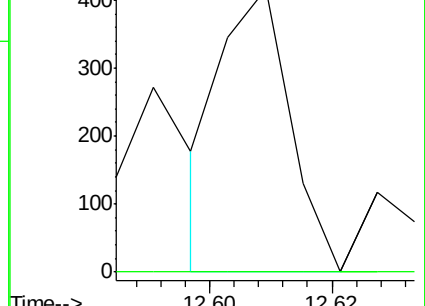
117 100

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: 17.834 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006971.D

Acq: 09 Jan 2019 17:53

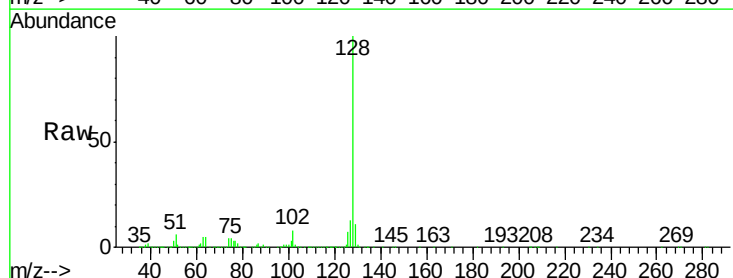
Tgt Ion:128 Resp: 565215

Ion Ratio Lower Upper

128 100

127 13.2 10.1 15.1

129 11.0 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

