

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010919\
 Data File : VX006975.D
 Acq On : 09 Jan 2019 19:40
 Operator : JC/MD
 Sample : K1006-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 10 00:59:09 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	641106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	984285	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	925758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	449920	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	337725	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
35) Dibromofluoromethane	5.51	113	300238	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
50) Toluene-d8	8.71	98	1189557	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
62) 4-Bromofluorobenzene	11.13	95	415509	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	

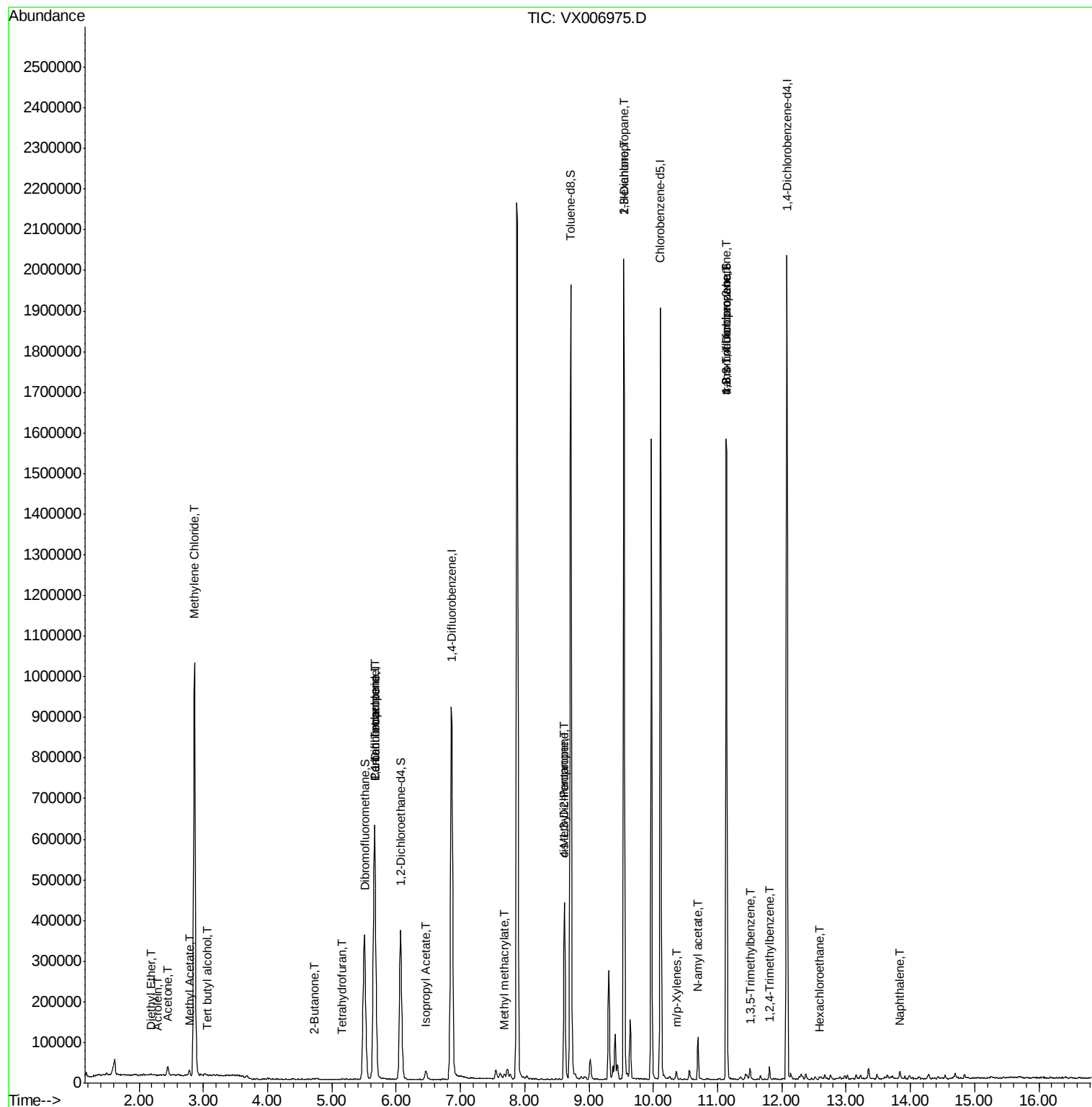
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.19	74	1694	0.400	ug/l	99
11) Tert butyl alcohol	3.06	59	849	0.537	ug/l #	1
13) Acrolein	2.29	56	144	3.293	ug/l #	1
16) Acetone	2.45	43	25608	7.731	ug/l	97
18) Methyl Acetate	2.78	43	15175	1.582	ug/l	93
20) Methylene Chloride	2.86	84	471589	75.139	ug/l	95
25) 2-Butanone	4.71	43	3185	0.672	ug/l #	85
29) Tetrahydrofuran	5.16	42	954	0.310	ug/l #	78
36) 1,1-Dichloropropene	5.66	75	42600	4.978	ug/l #	48
38) Carbon Tetrachloride	5.66	117	57803	6.714	ug/l #	15
43) Isopropyl Acetate	6.46	43	27741	1.917	ug/l	99
48) Methyl methacrylate	7.68	41	13940	1.876	ug/l #	13
49) 1,4-Dioxane	7.72	88	106	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.62	43	141977	15.266	ug/l #	49
54) cis-1,3-Dichloropropene	8.62	75	70564	7.338	ug/l #	63
57) 1,3-Dichloropropane	9.54	76	17686	1.607	ug/l #	44
59) 2-Hexanone	9.54	43	220046	31.048	ug/l #	51
68) m/p-Xylenes	10.36	106	4619	0.352	ug/l	93
74) N-amyl acetate	10.69	43	20919	1.638	ug/l #	54
76) 1,2,3-Trichloropropane	11.13	75	197066	21.614	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	11511	0.434	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.13	75	197066	64.076	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	14292	0.536	ug/l	97
90) Hexachloroethane	12.59	117	412	2.994	ug/l #	6
95) Naphthalene	13.83	128	11916	0.368	ug/l #	92

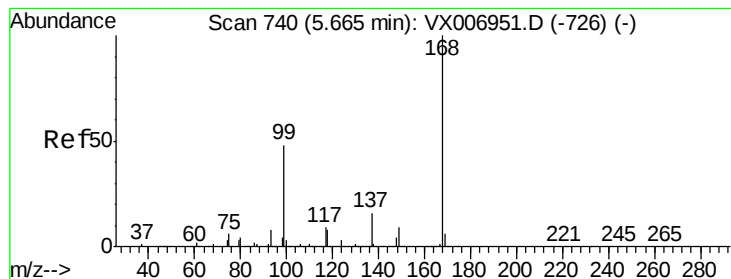
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010919\
Data File : VX006975.D
Acq On : 09 Jan 2019 19:40
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MSVOA_X
ClientSampleId :

Quant Time: Jan 10 00:59:09 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: VX006975.D

Acq: 09 Jan 2019 19:40

Instrument :

MSVOA_X

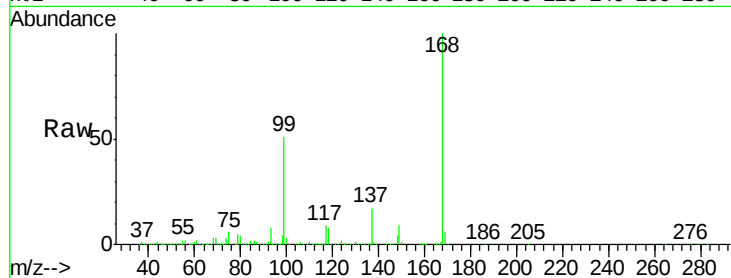
ClientSampled :

Tot Ion:168 Resp: 641106

Ion Ratio Lower Upper

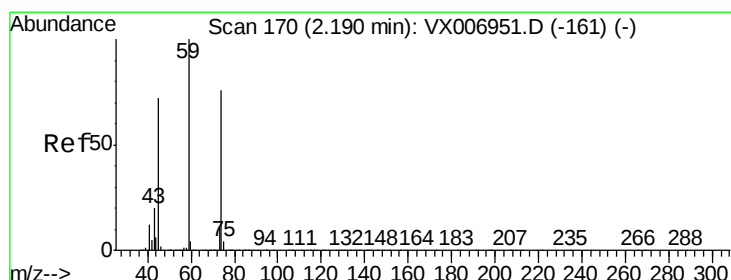
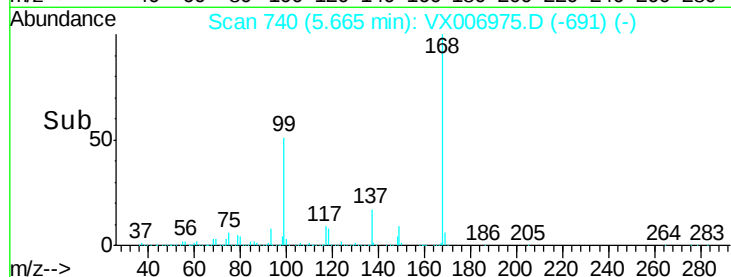
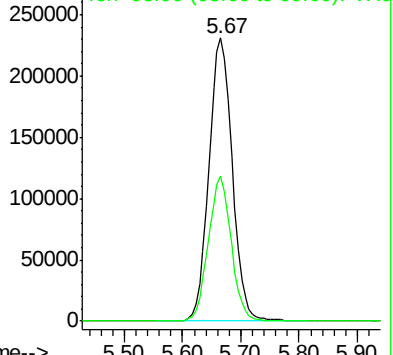
168 100

99 51.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.400 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX006975.D

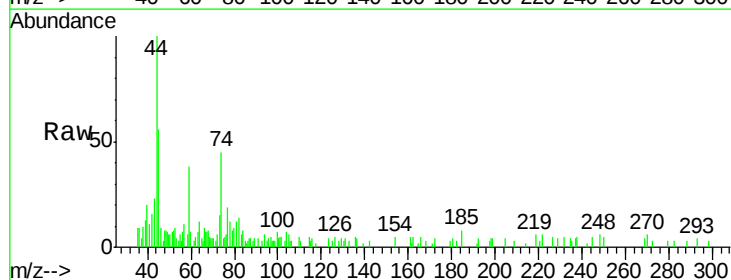
Acq: 09 Jan 2019 19:40

Tgt Ion: 74 Resp: 1694

Ion Ratio Lower Upper

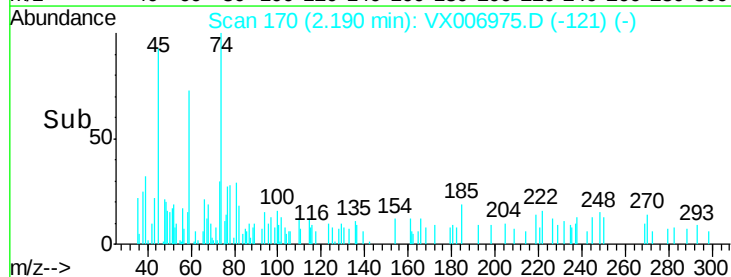
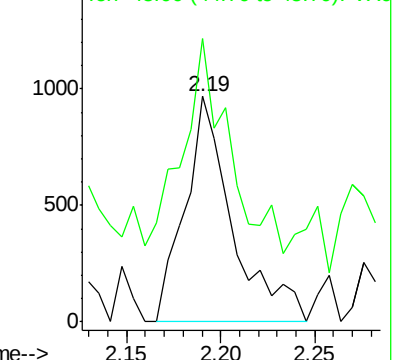
74 100

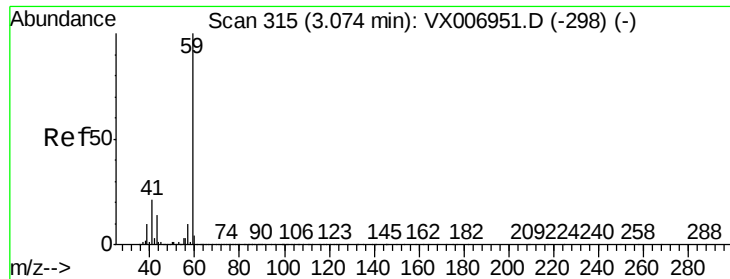
45 92.0 46.3 138.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



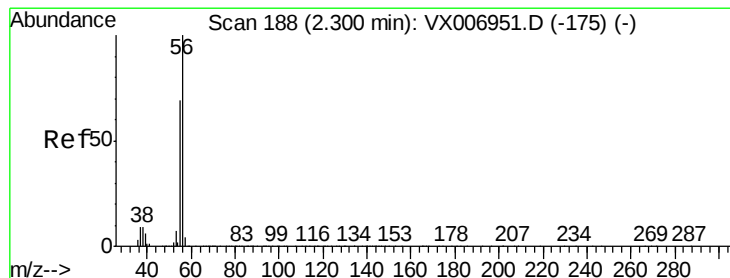
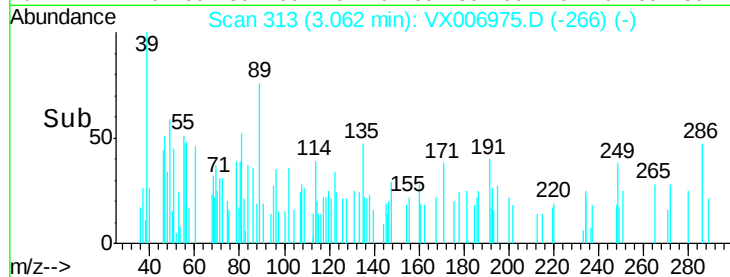
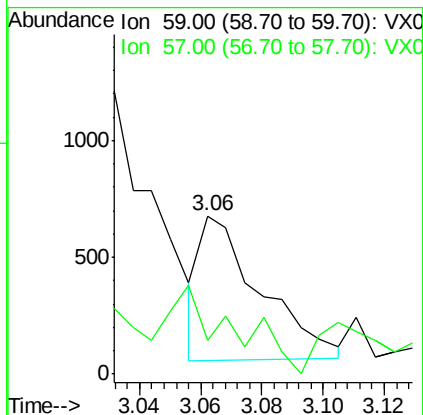
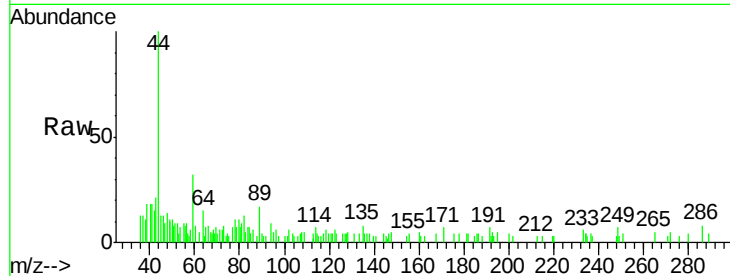


#11

Tert butvl alcohol
Concen: 0.537 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

Instrument :
MSVOA_X
ClientSampleId :

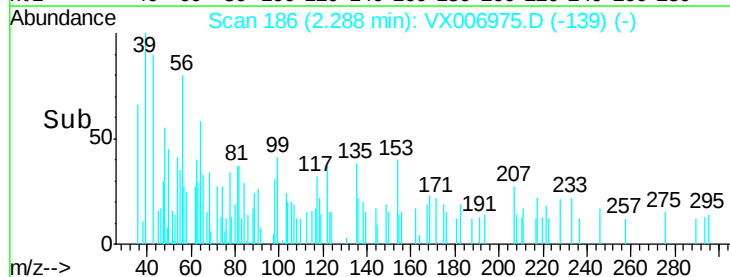
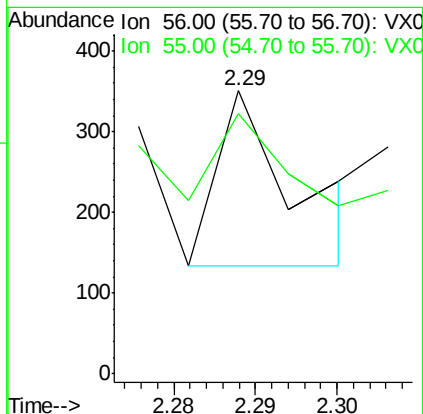
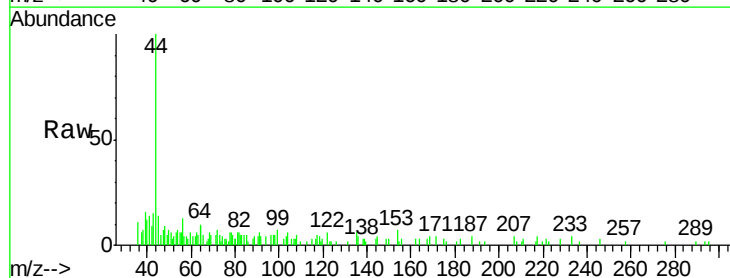
Tot Ion: 59 Resp: 849
Ion Ratio Lower Upper
59 100
57 64.5 8.5 12.7#

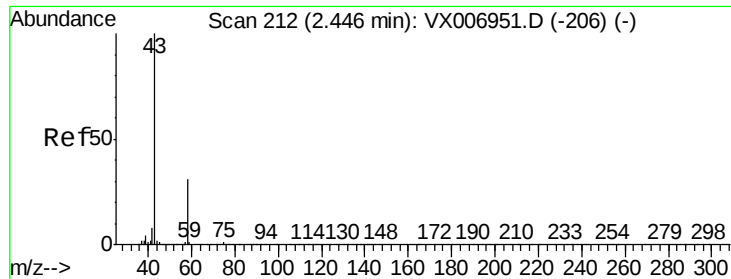


#13

Acrolein
Concen: 3.293 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

Tgt Ion: 56 Resp: 144
Ion Ratio Lower Upper
56 100
55 590.3 58.2 87.4#

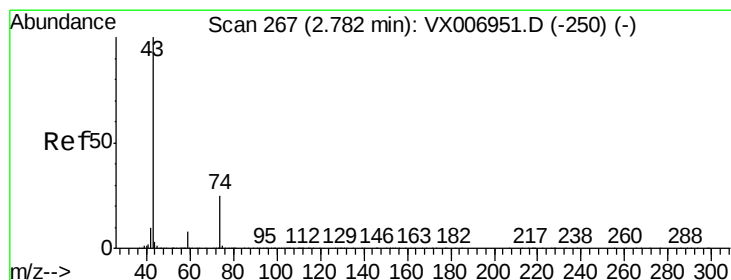
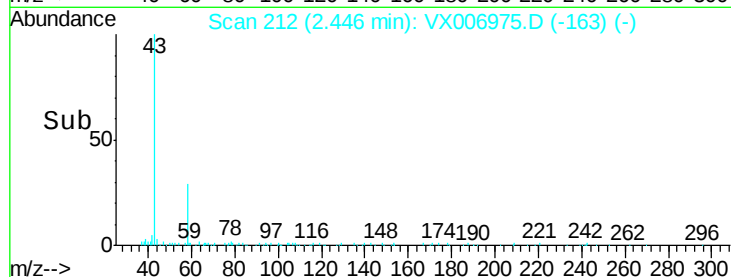
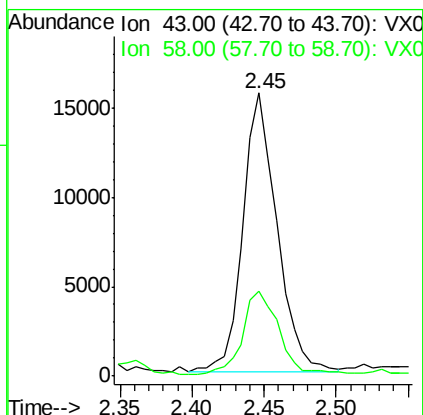
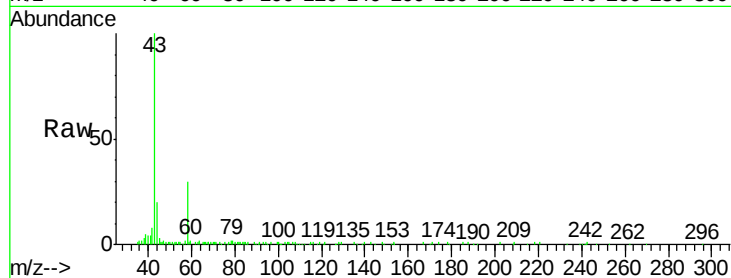




#16
Acetone
Concen: 7.731 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

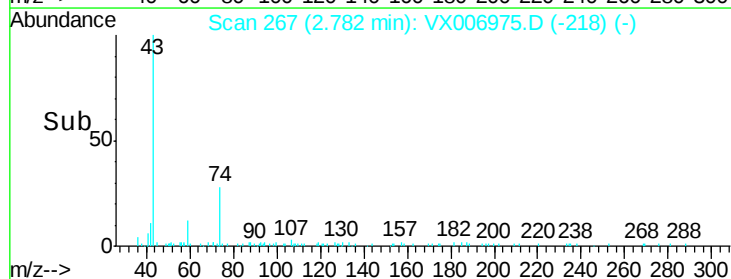
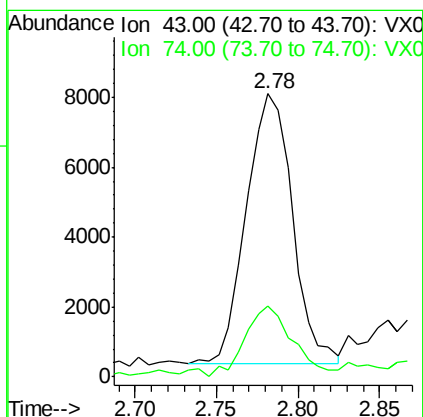
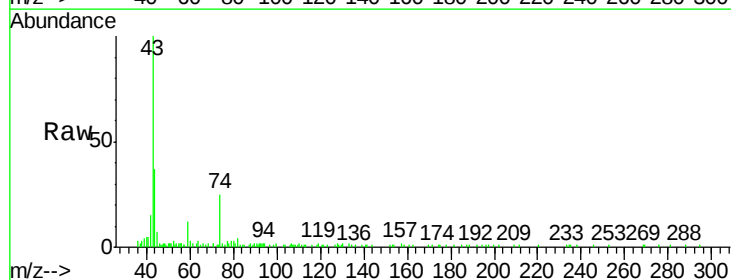
Instrument :
MSVOA_X
ClientSampleId :

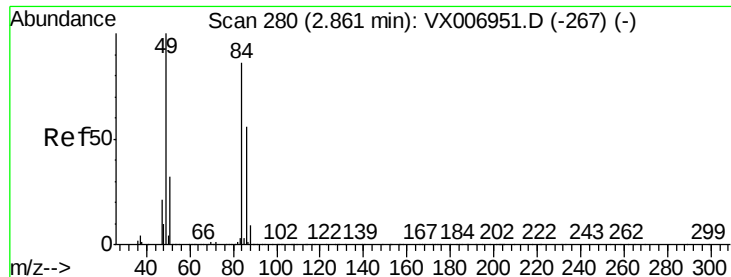
Tot Ion: 43 Resp: 25608
Ion Ratio Lower Upper
43 100
58 29.7 25.0 37.6



#18
Methyl Acetate
Concen: 1.582 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

Tgt Ion: 43 Resp: 15175
Ion Ratio Lower Upper
43 100
74 26.9 18.6 28.0





#20

Methvlene Chloride

Concen: 75.139 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 471589

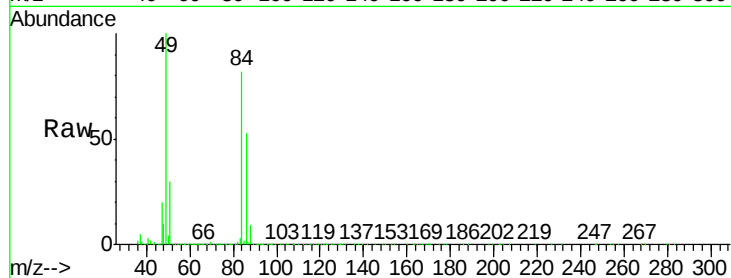
Ion	Ratio	Lower	Upper
84	100		
49	122.4	91.8	137.6
51	37.2	28.5	42.7
86	65.1	50.2	75.2

84 100

49 122.4 91.8 137.6

51 37.2 28.5 42.7

86 65.1 50.2 75.2

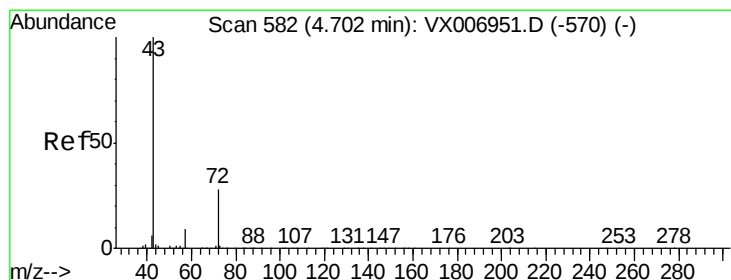
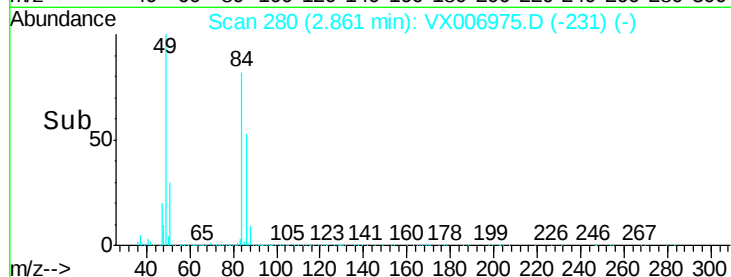
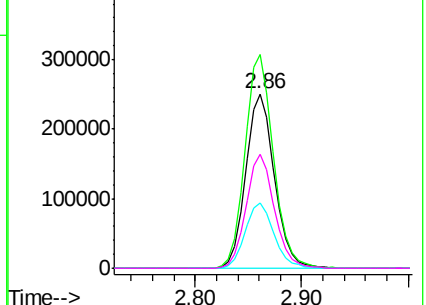


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.672 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX006975.D

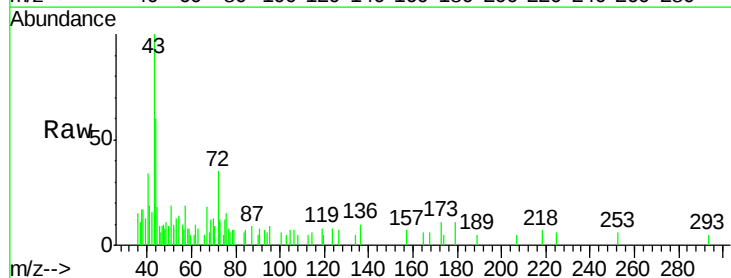
Acq: 09 Jan 2019 19:40

Tgt Ion: 43 Resp: 3185

Ion	Ratio	Lower	Upper
43	100		
72	35.6	22.4	33.6#

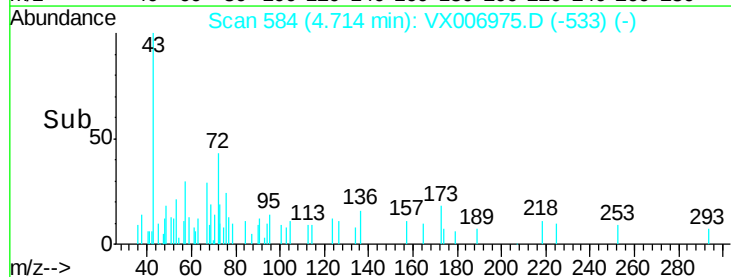
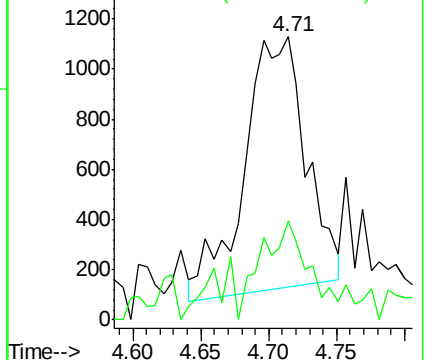
43 100

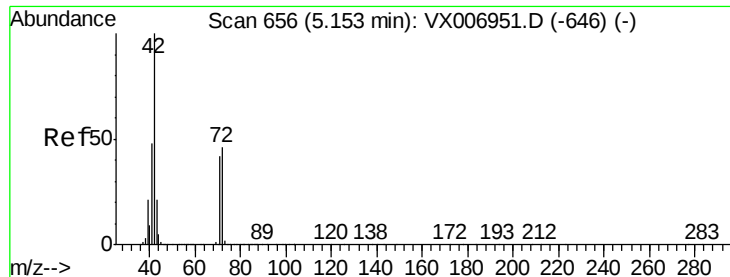
72 35.6 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

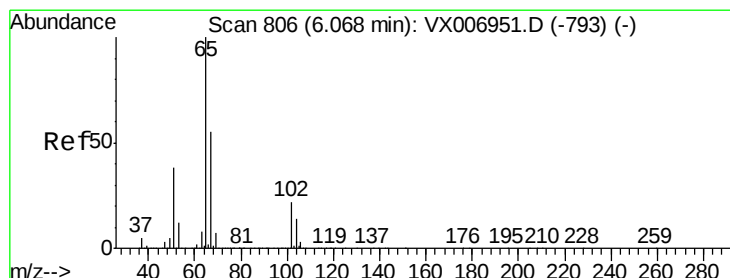
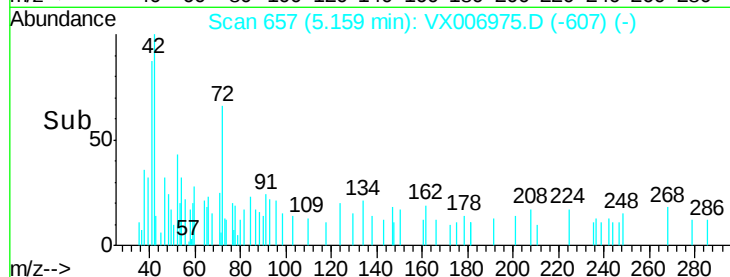
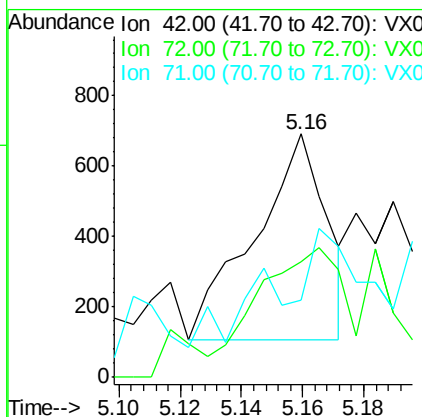
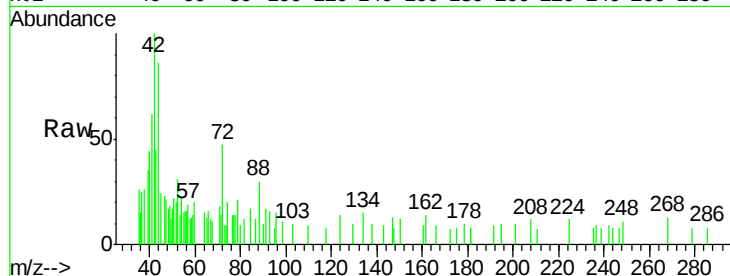




#29
Tetrahydrofuran
Concen: 0.310 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

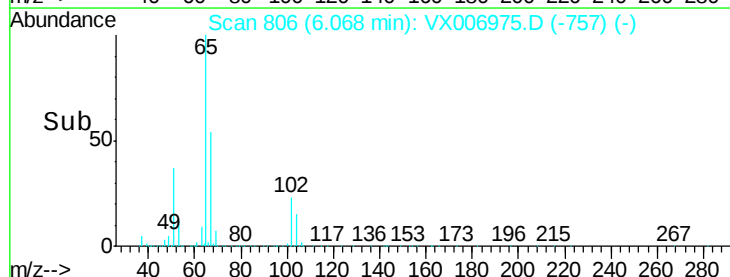
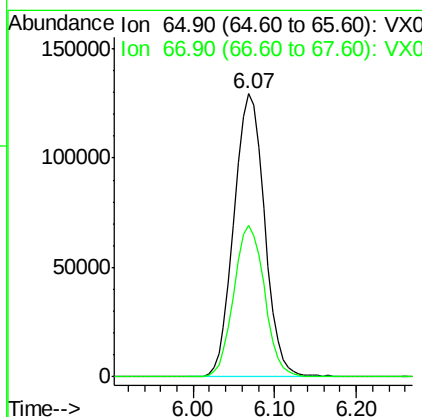
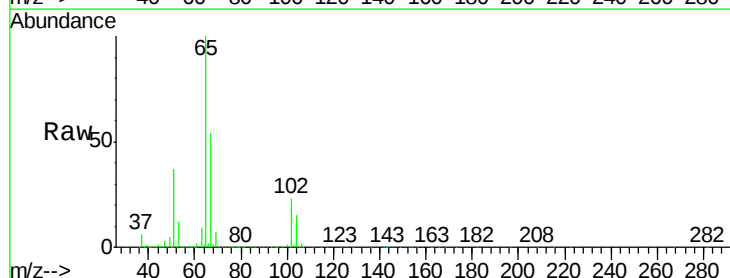
Instrument :
MSVOA_X
ClientSampled :

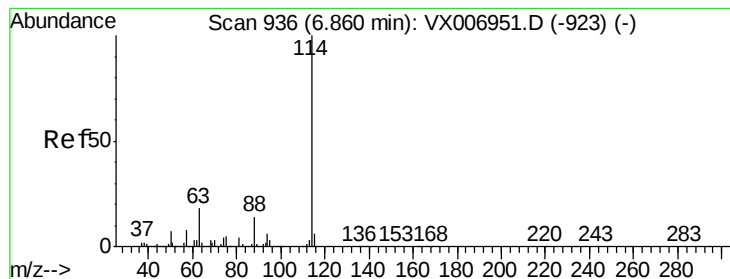
Tot Ion: 42 Resp: 954
Ion Ratio Lower Upper
42 100
72 57.0 38.9 58.3
71 67.1 36.2 54.4#



#33
1,2-Dichloroethane-d4
Concen: 50.406 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

Tgt Ion: 65 Resp: 337725
Ion Ratio Lower Upper
65 100
67 53.5 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: VX006975.D

Acq: 09 Jan 2019 19:40

Instrument :

MSVOA_X

ClientSampled :

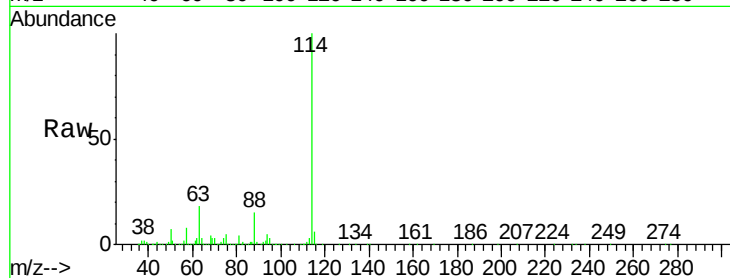
Tot Ion:114 Resp: 984285

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.8

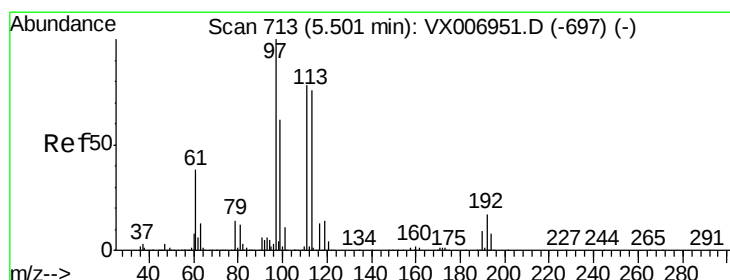
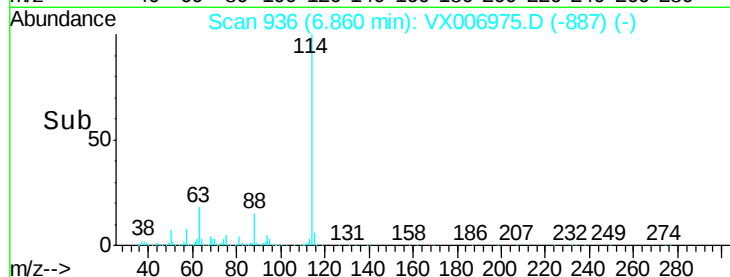
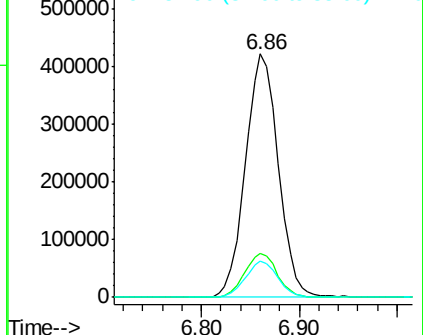
88 15.1 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.632 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

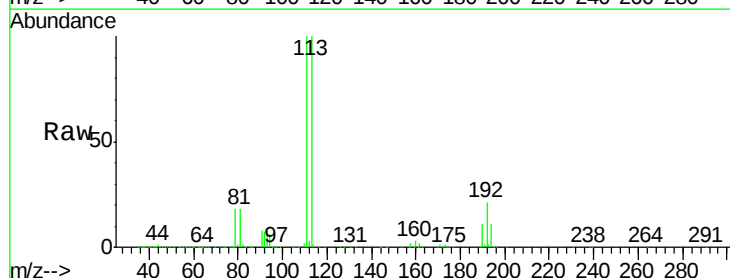
Tgt Ion:113 Resp: 300238

Ion Ratio Lower Upper

113 100

111 101.9 81.6 122.4

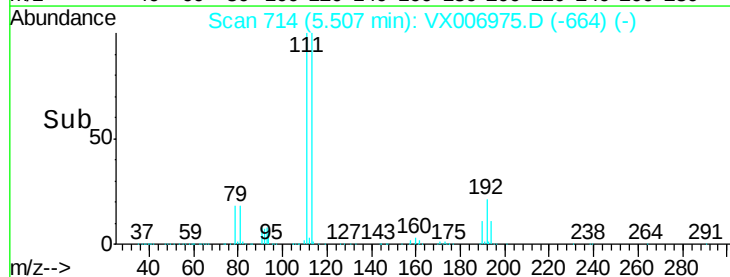
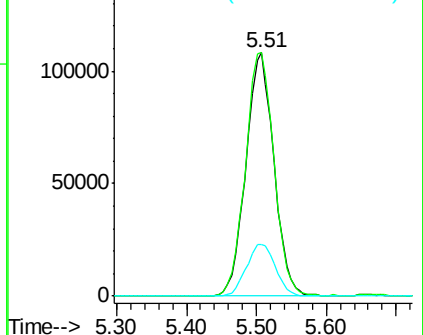
192 22.1 16.7 25.1

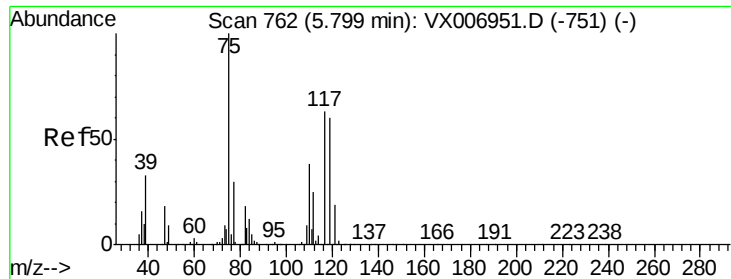


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

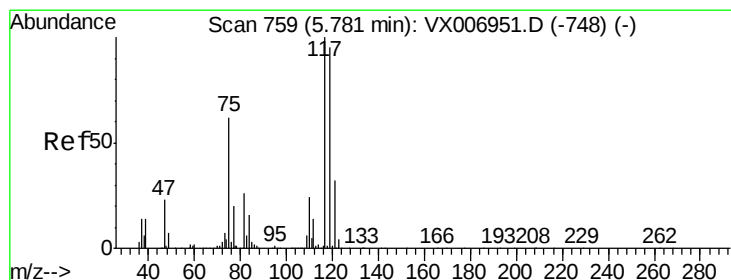
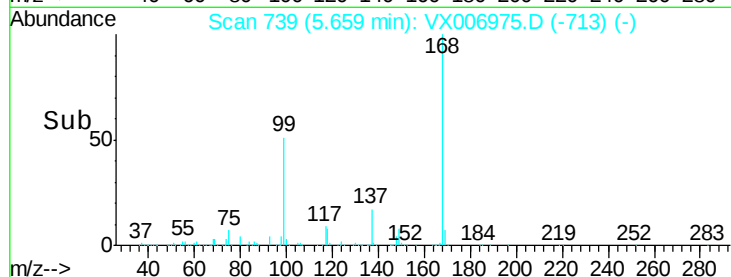
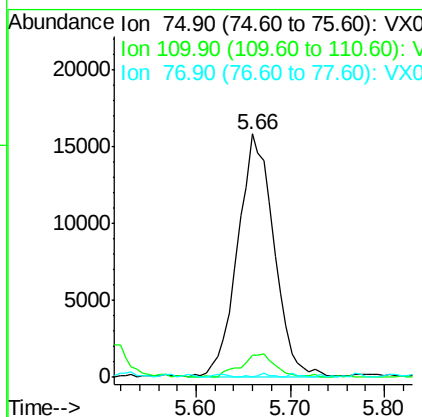
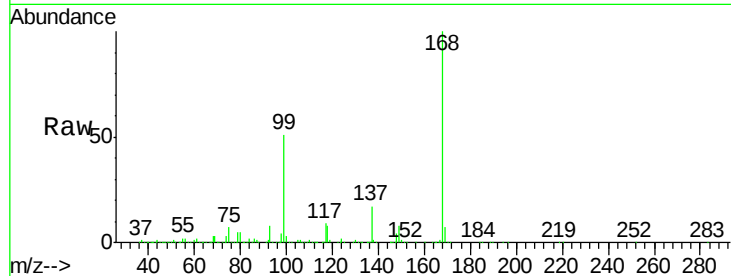




#36
 1,1-Dichloropropene
 Concen: 4.978 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006975.D
 Acq: 09 Jan 2019 19:40

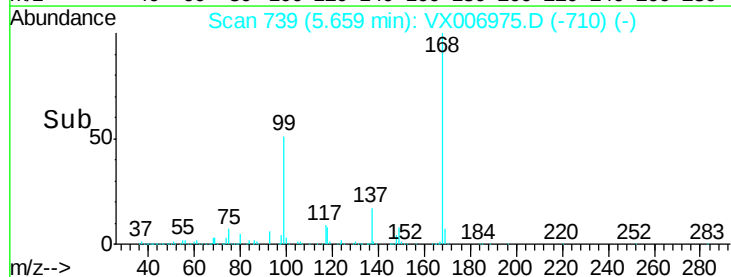
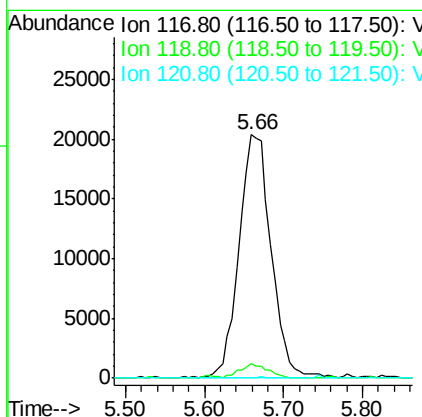
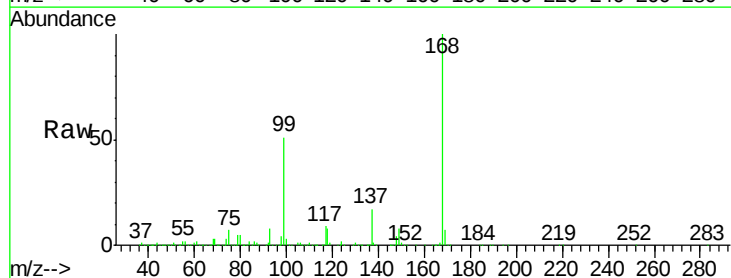
Instrument :
 MSVOA_X
 ClientSampleId :

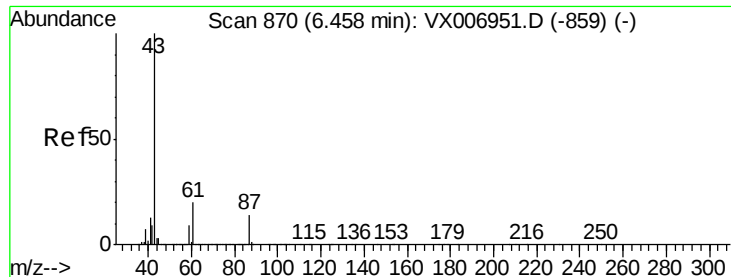
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	20.2	60.5#
77	0.6	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.714 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX006975.D
 Acq: 09 Jan 2019 19:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	79.4	119.2#
121	0.0	24.0	36.0#





#43

Isopropyl Acetate

Concen: 1.917 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

Instrument :
MSVOA_X
ClientSampleId :

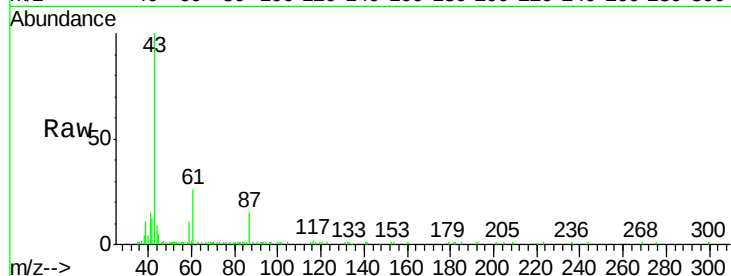
Tot Ion: 43 Resp: 27741

Ion Ratio Lower Upper

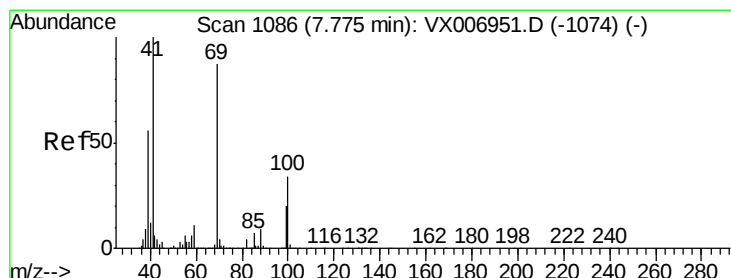
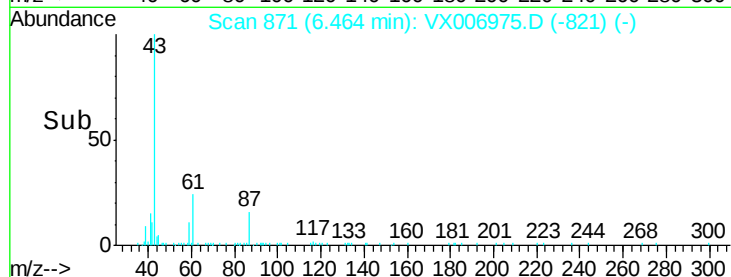
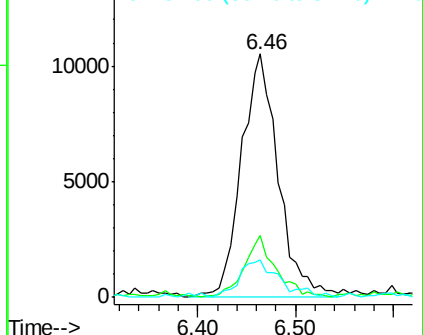
43 100

61 21.9 16.8 25.2

87 15.2 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: 1.876 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.09 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

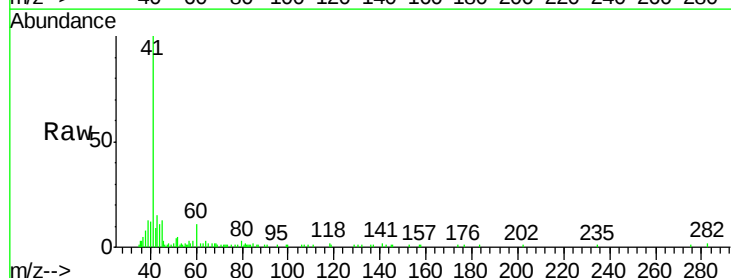
Tgt Ion: 41 Resp: 13940

Ion Ratio Lower Upper

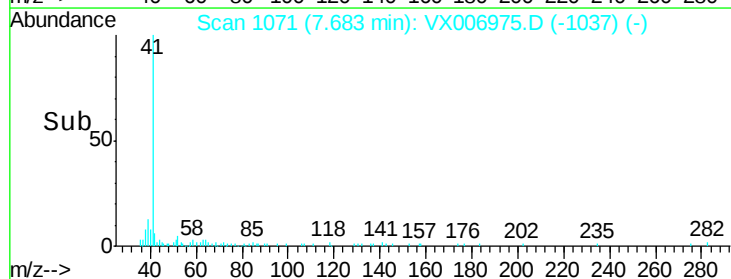
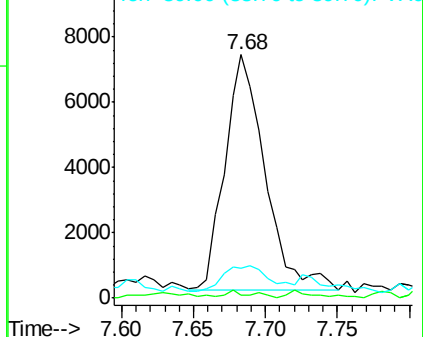
41 100

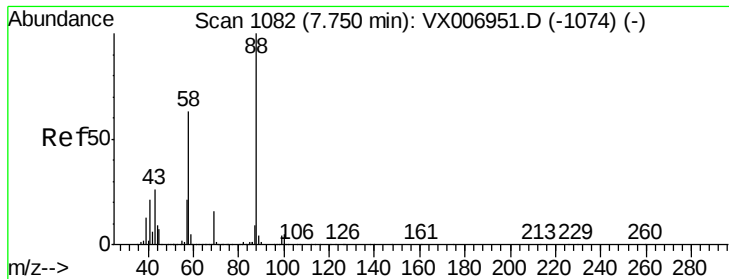
69 1.9 72.4 108.6#

39 0.0 45.8 68.8#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

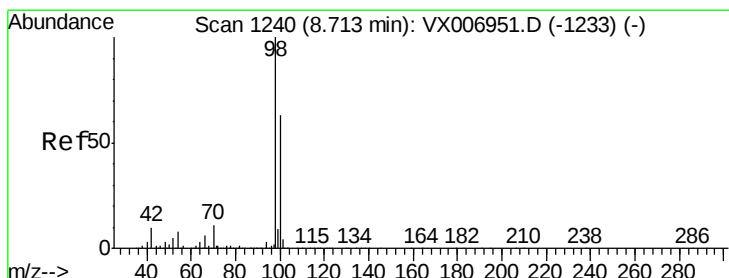
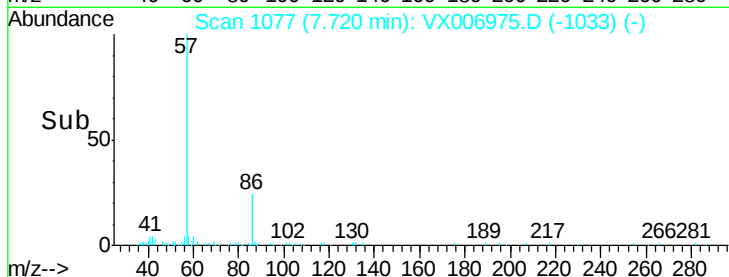
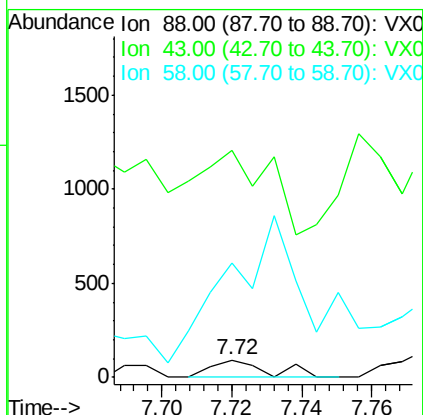
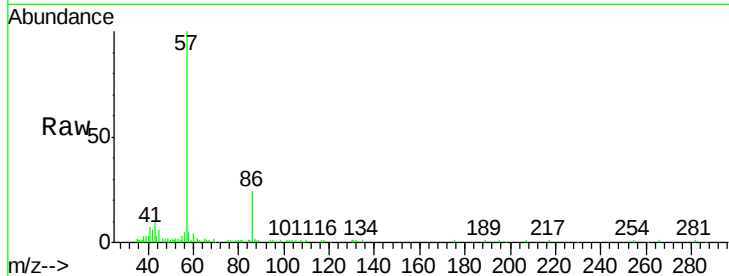




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.72 min Scan# 1077
Delta R.T. -0.03 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

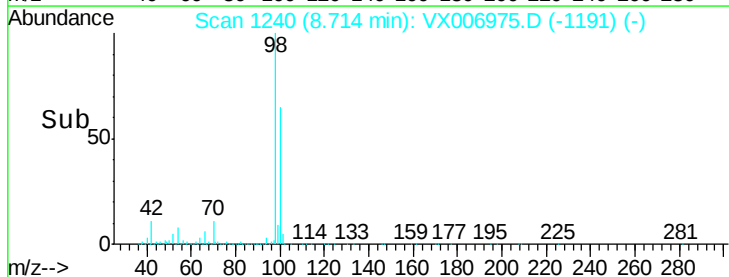
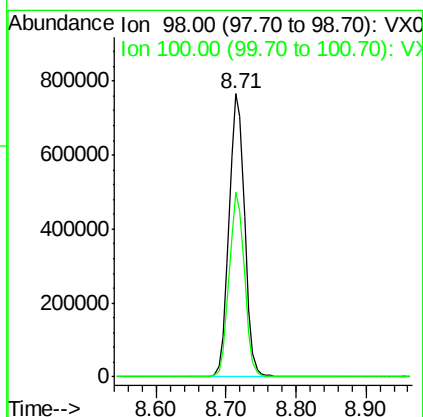
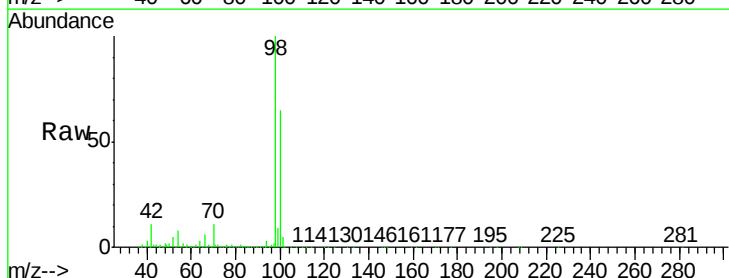
Instrument :
MSVOA_X
ClientSampleId :

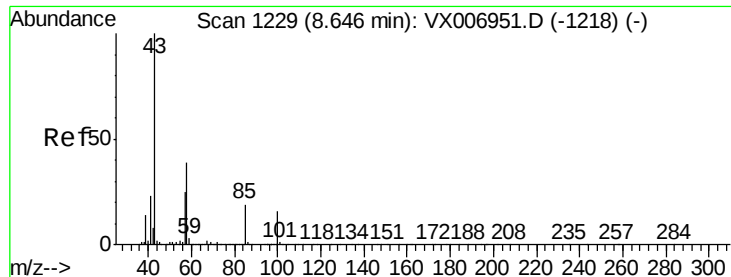
Tot Ion: 88 Resp: 106
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.4#
58 1509.4 51.0 76.4#



#50
Toluene-d8
Concen: 51.558 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

Tgt Ion: 98 Resp: 1189557
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 15.266 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

Instrument :

MSVOA_X

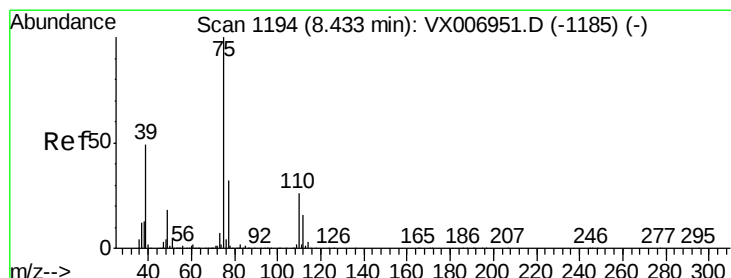
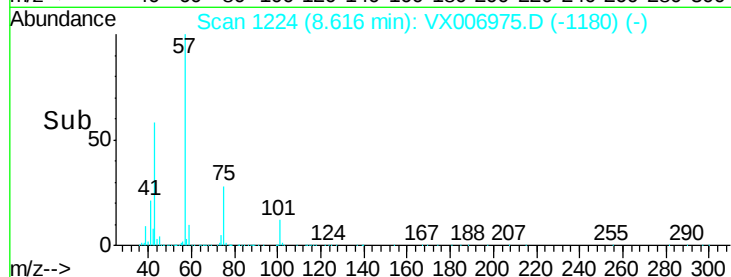
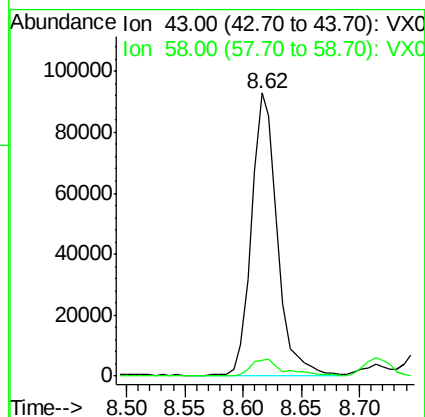
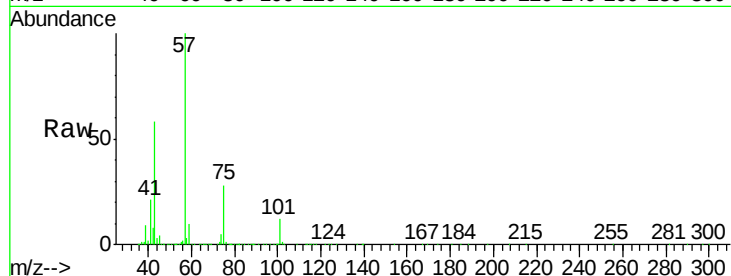
ClientSampleId :

Tot Ion: 43 Resp: 141977

Ion Ratio Lower Upper

43 100

58 8.1 31.8 47.6#



#54

cis-1,3-Dichloropropene

Concen: 7.338 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

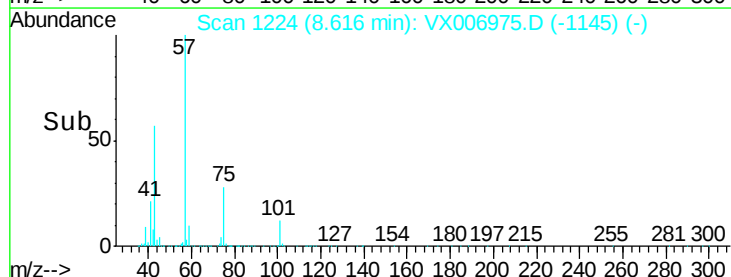
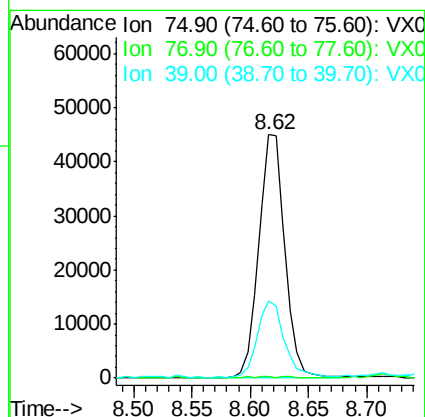
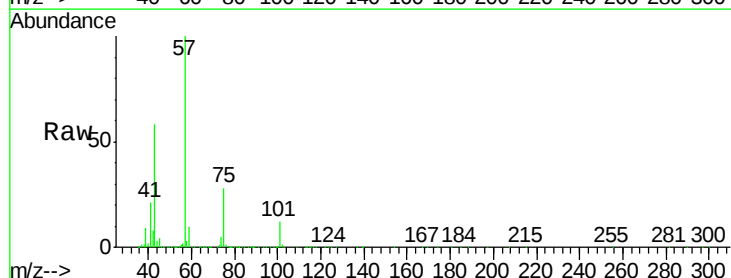
Tgt Ion: 75 Resp: 70564

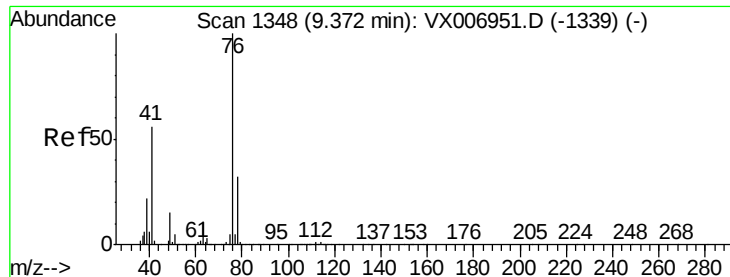
Ion Ratio Lower Upper

75 100

77 0.6 26.2 39.2#

39 31.4 36.7 55.1#





#57

1,3-Dichloropropane

Concen: 1.607 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

Instrument :

MSVOA_X

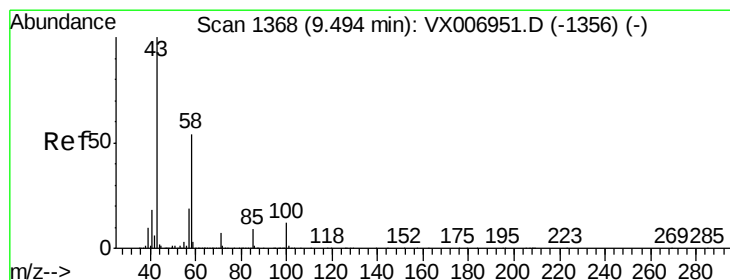
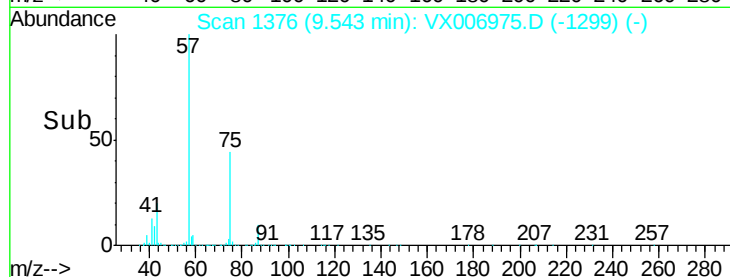
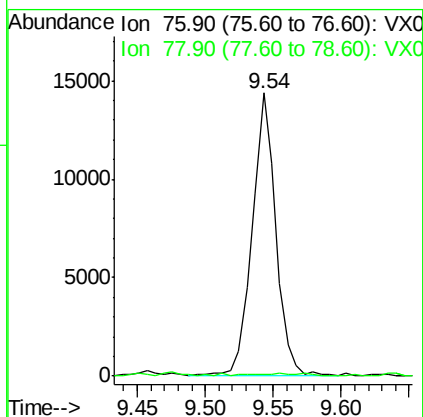
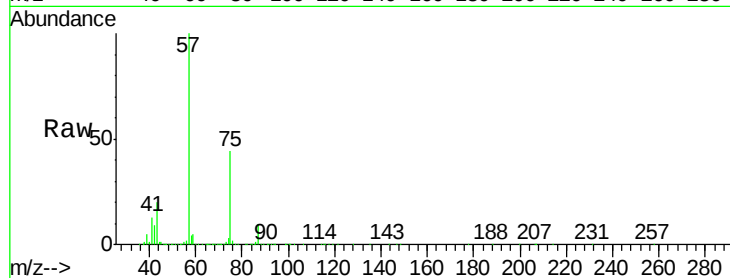
ClientSampleId :

Tot Ion: 76 Resp: 17686

Ion Ratio Lower Upper

76 100

78 0.8 26.0 39.0#



#59

2-Hexanone

Concen: 31.048 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX006975.D

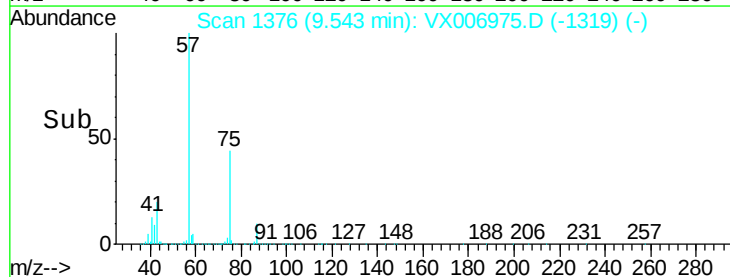
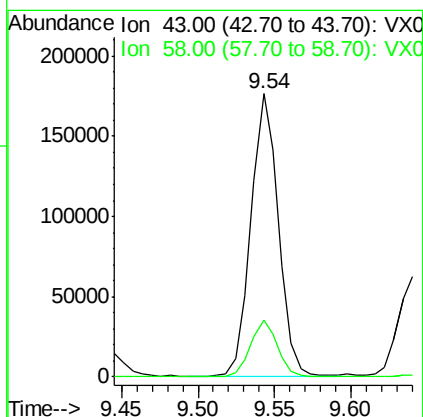
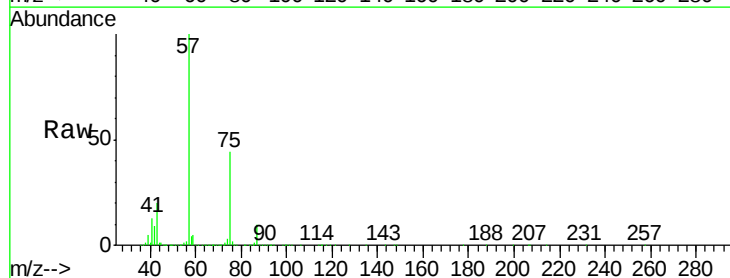
Acq: 09 Jan 2019 19:40

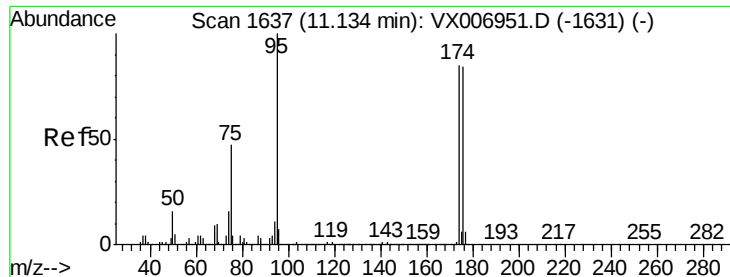
Tgt Ion: 43 Resp: 220046

Ion Ratio Lower Upper

43 100

58 20.1 27.7 83.1#





#62

4-Bromofluorobenzene

Concen: 51.658 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

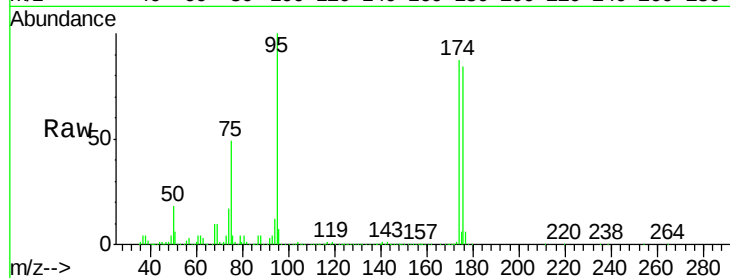
Tot Ion: 95 Resp: 415509

Ion Ratio Lower Upper

95 100

174 93.6 0.0 182.2

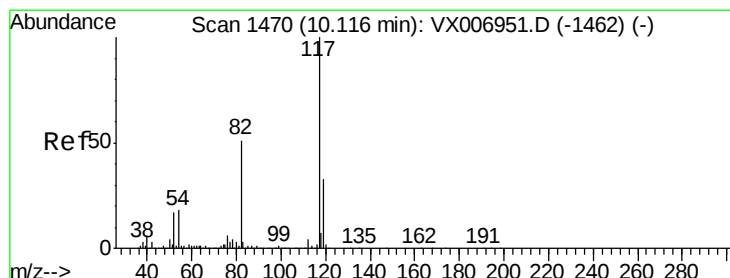
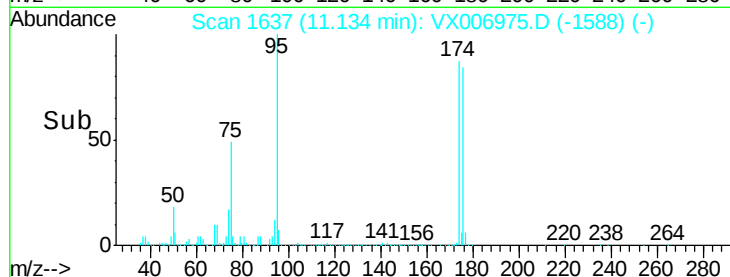
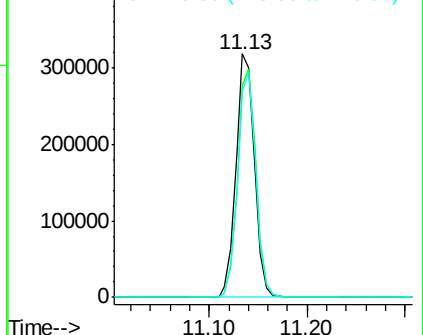
176 90.6 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

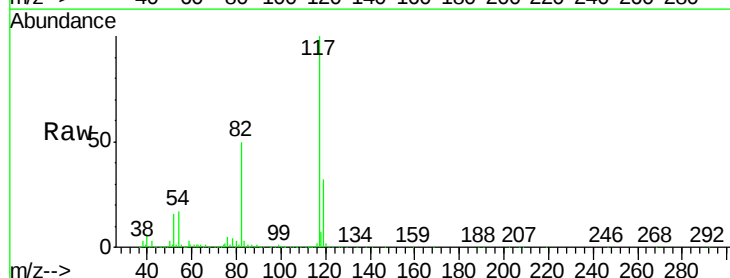
Tgt Ion: 117 Resp: 925758

Ion Ratio Lower Upper

117 100

82 49.5 41.0 61.6

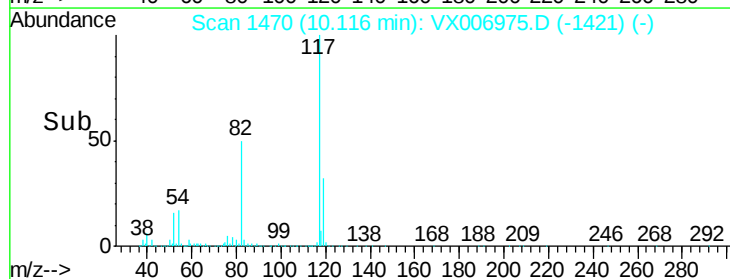
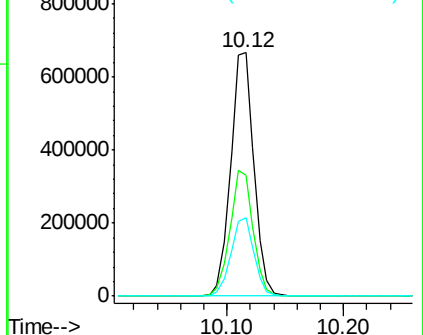
119 32.1 25.4 38.0

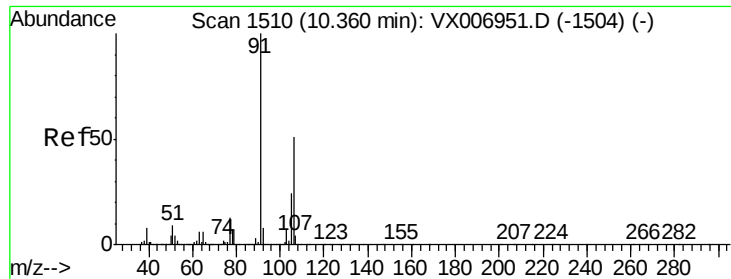


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

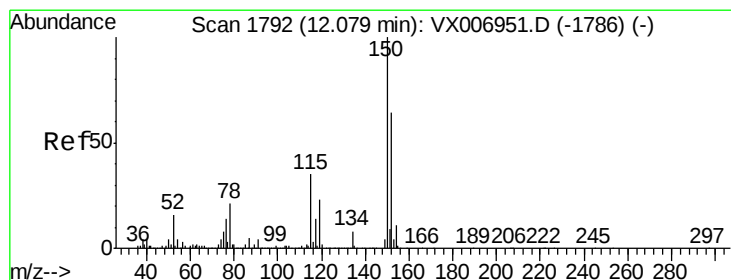
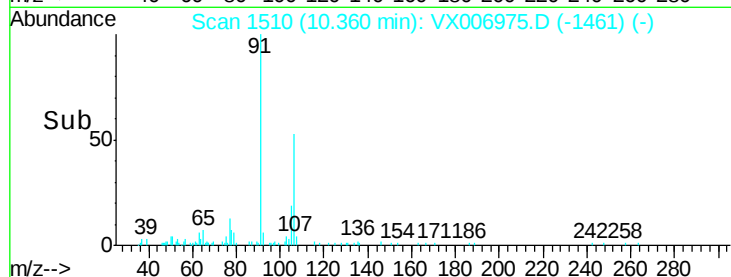
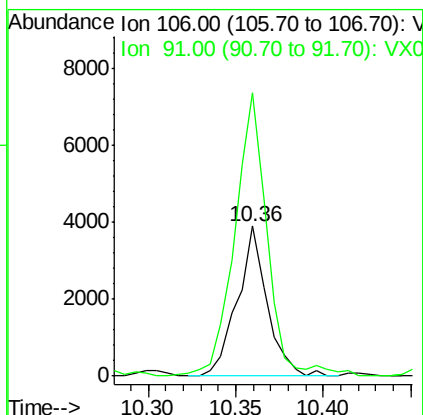
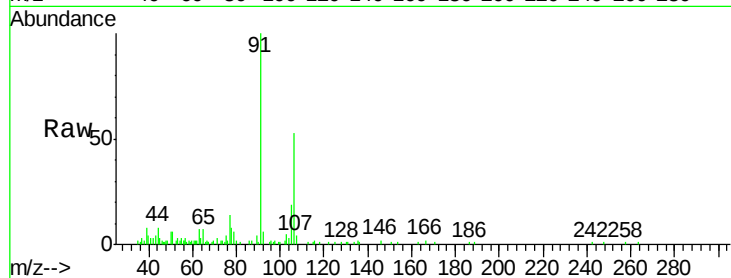




#68
m/p-Xvlenes
Concen: 0.352 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

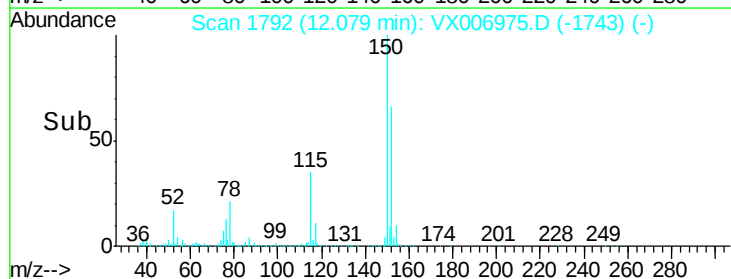
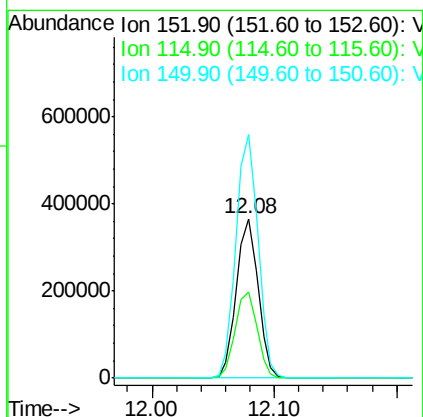
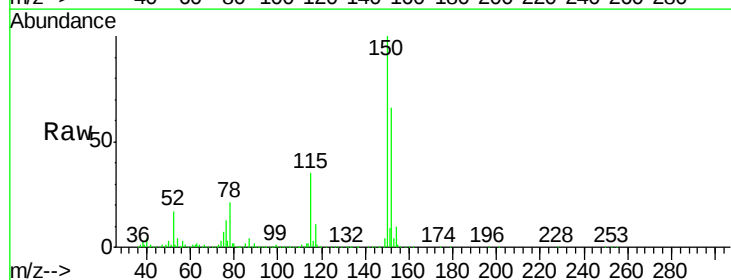
Instrument :
MSVOA_X
ClientSampleId :

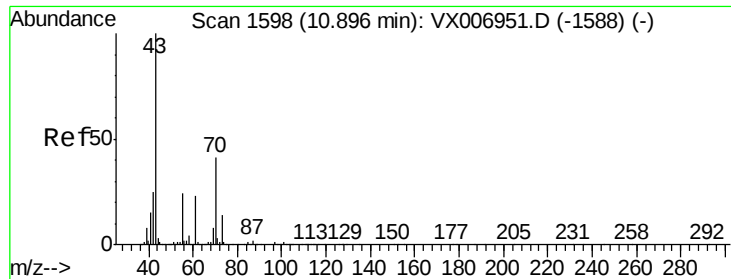
Tot Ion:106 Resp: 4619
Ion Ratio Lower Upper
106 100
91 205.4 155.8 233.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

Tgt Ion:152 Resp: 449920
Ion Ratio Lower Upper
152 100
115 54.8 39.1 117.2
150 154.8 0.0 344.8

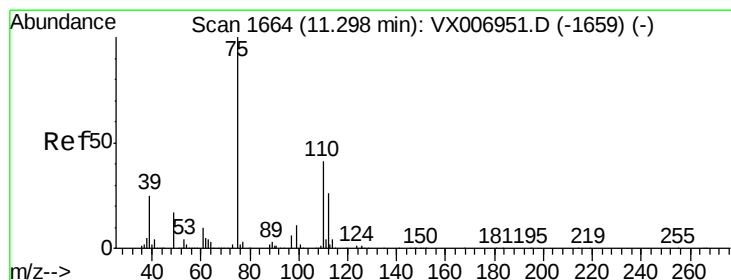
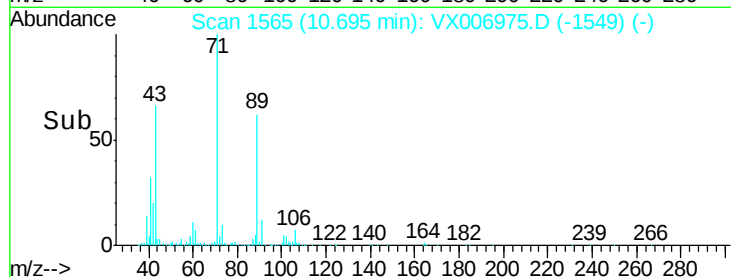
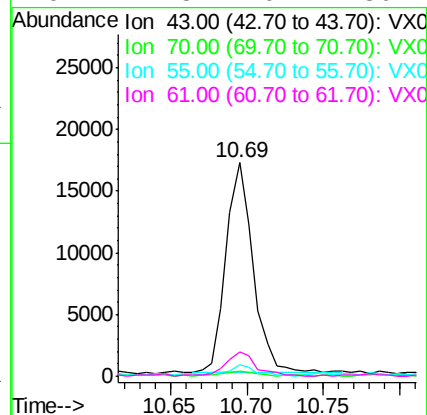
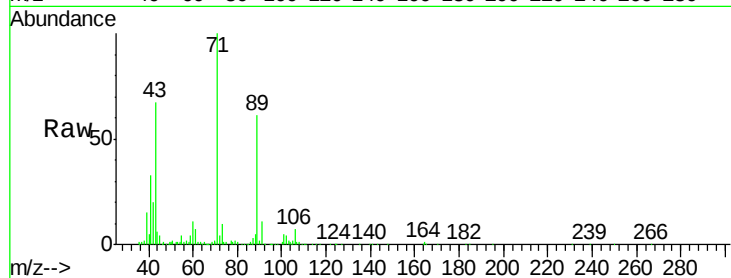




#74
N-amvl acetate
Concen: 1.638 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.20 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

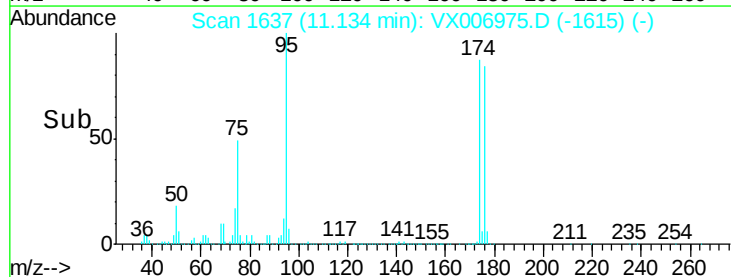
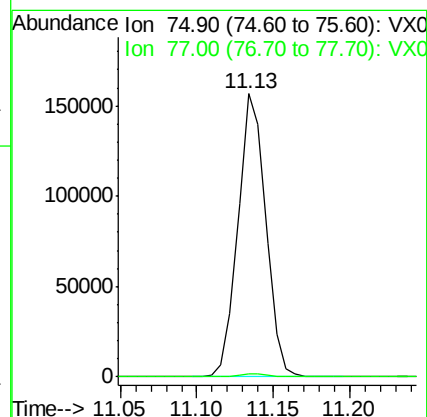
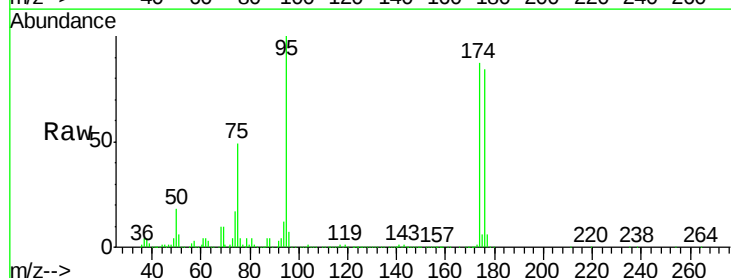
Instrument :
MSVOA_X
ClientSampleId :

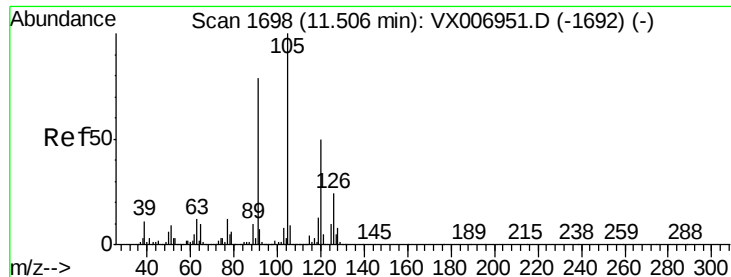
Tot Ion: 43 Resp: 20919
Ion Ratio Lower Upper
43 100
70 3.3 35.8 53.8#
55 6.7 19.4 29.0#
61 12.8 20.1 30.1#



#76
1,2,3-Trichloropropane
Concen: 21.614 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

Tgt Ion: 75 Resp: 197066
Ion Ratio Lower Upper
75 100
77 1.3 18.5 55.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.434 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

Instrument :

MSVOA_X

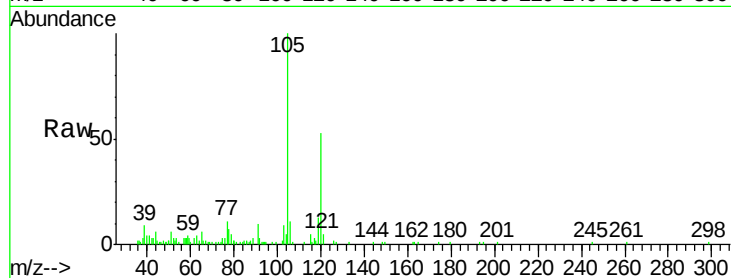
ClientSampleId :

Tot Ion:105 Resp: 11511

Ion Ratio Lower Upper

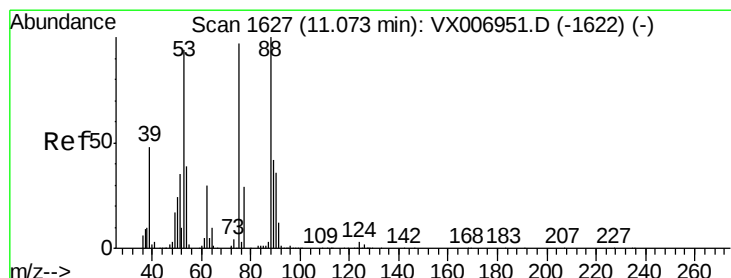
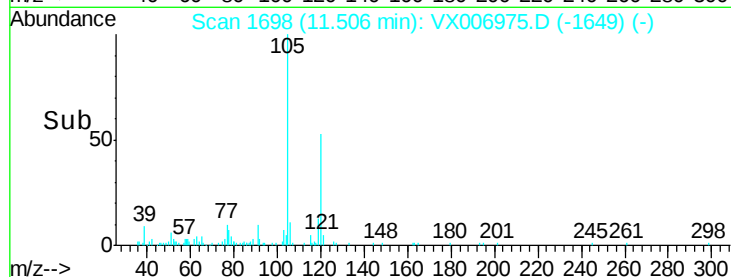
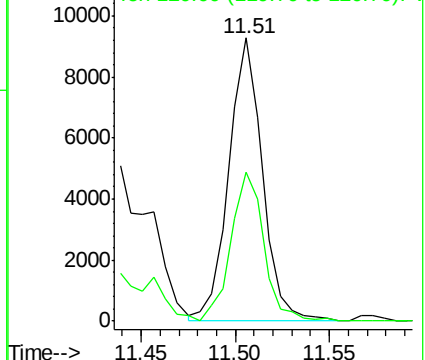
105 100

120 51.4 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 64.076 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

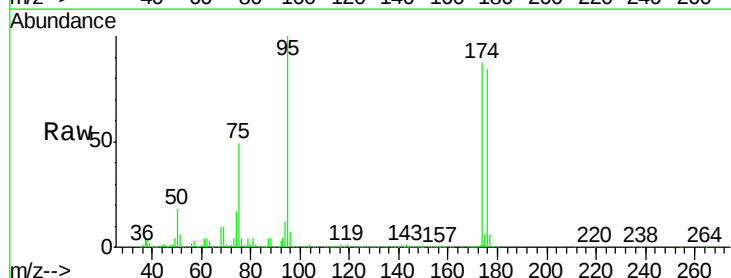
Tgt Ion: 75 Resp: 197066

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

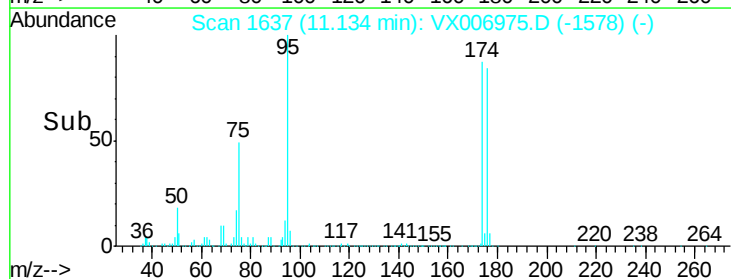
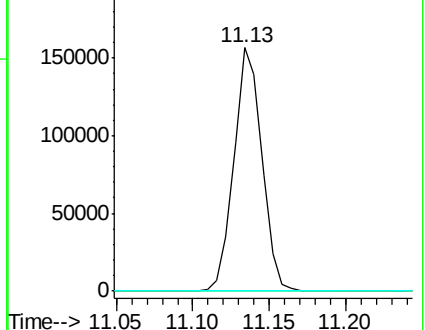
89 0.0 38.0 57.0#

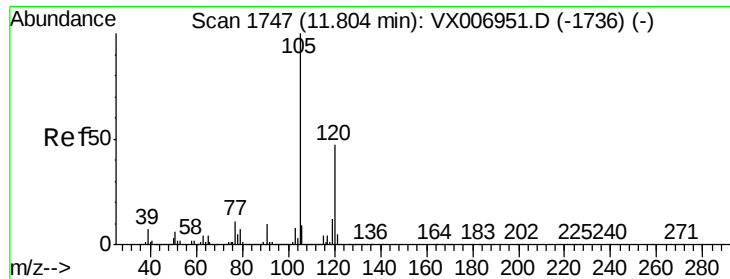


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

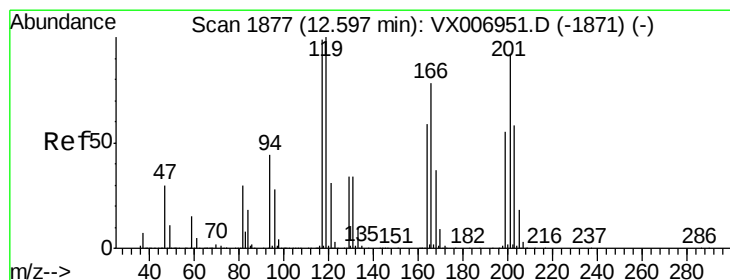
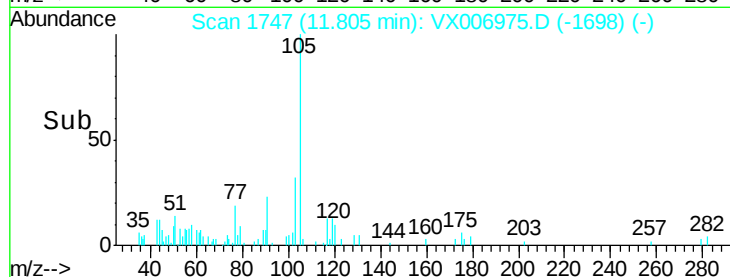
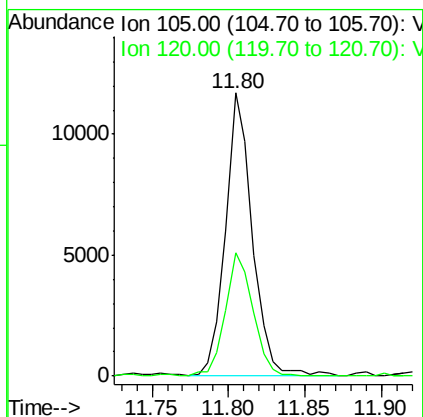
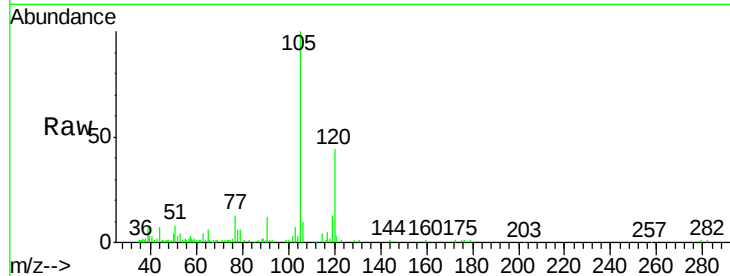




#84
 1,2,4-Trimethylbenzene
 Concen: 0.536 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006975.D
 Acq: 09 Jan 2019 19:40

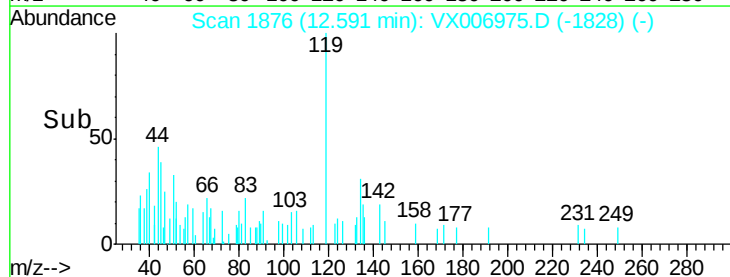
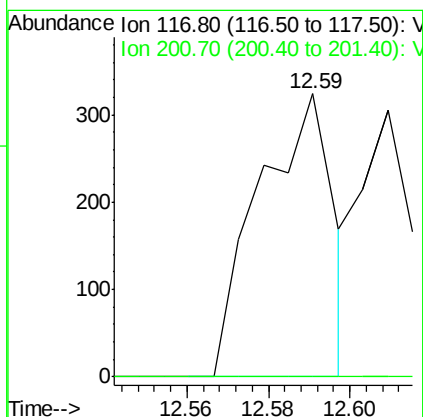
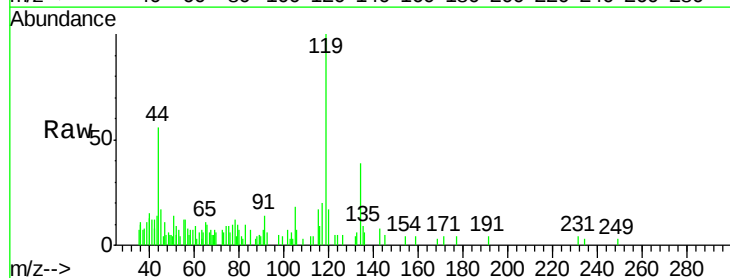
Instrument :
 MSVOA_X
 ClientSampled :

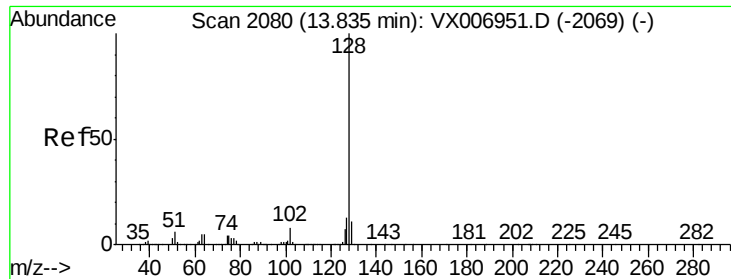
Tot Ion:105 Resp: 14292
 Ion Ratio Lower Upper
 105 100
 120 44.7 23.2 69.6



#90
 Hexachloroethane
 Concen: 2.994 ug/l
 RT: 12.59 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: VX006975.D
 Acq: 09 Jan 2019 19:40

Tgt Ion:117 Resp: 412
 Ion Ratio Lower Upper
 117 100
 201 0.0 42.9 128.7#





#95

Naphthalene

Concen: 0.368 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

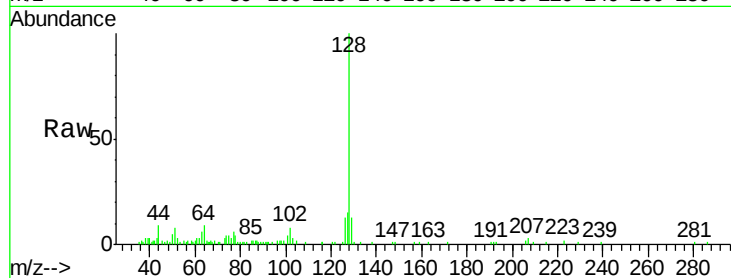
Tot Ion:128 Resp: 11916

Ion Ratio Lower Upper

128 100

127 13.8 10.1 15.1

129 16.0 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

