

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042519\
 Data File : VX009171.D
 Acq On : 25 Apr 2019 18:40
 Operator : JC/SP
 Sample : K2566-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 26 04:41:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	205624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	334271	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	120883	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	137171	47.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.68%	
35) Dibromofluoromethane	5.50	113	101425	47.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.56%	
50) Toluene-d8	8.71	98	416906	48.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.46%	
62) 4-Bromofluorobenzene	11.13	95	137137	45.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.82%	

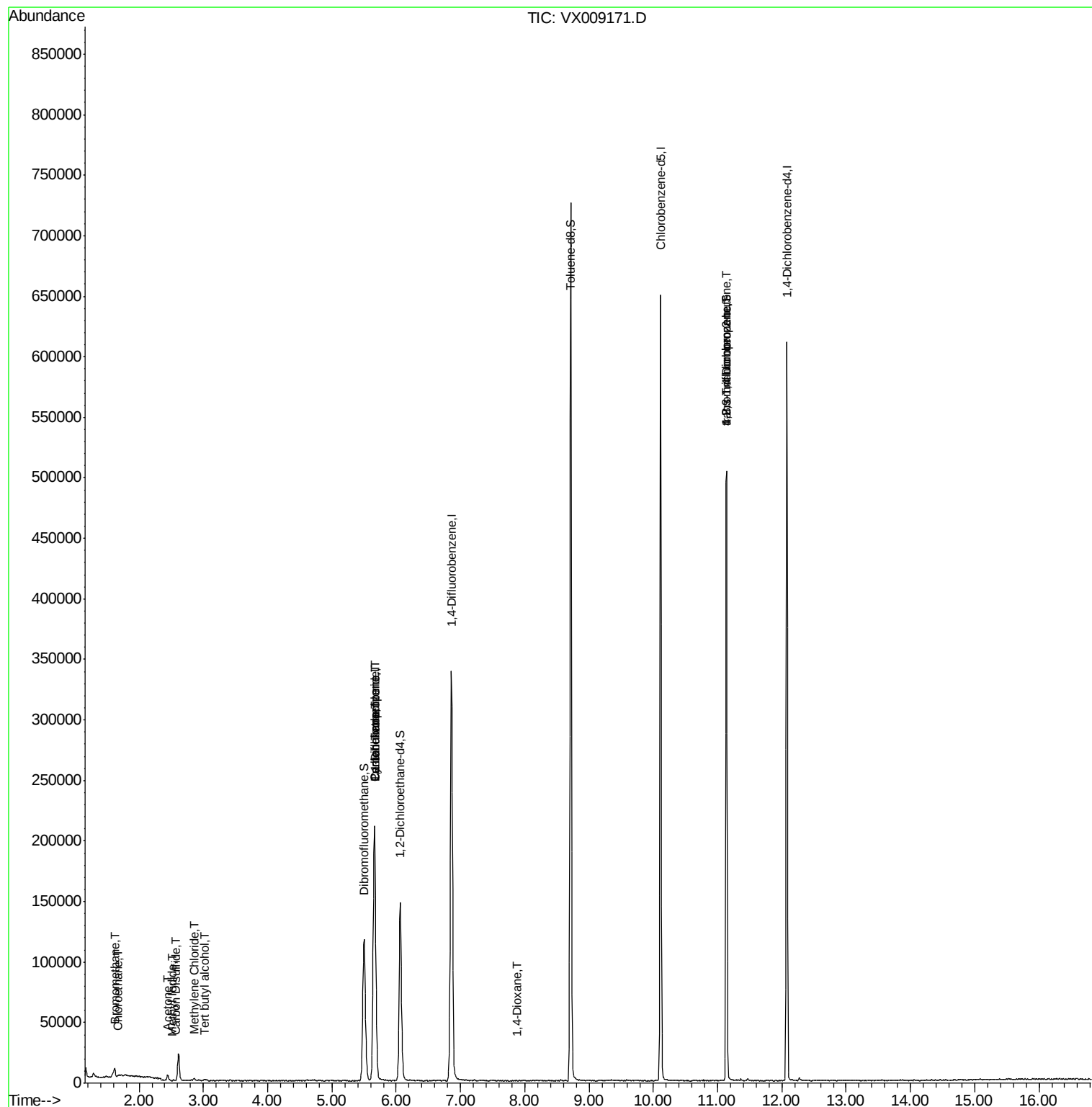
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	420	4.067	ug/l #	68
6) Chloroethane	1.67	64	2159	1.297	ug/l #	50
10) Methyl Iodide	2.52	142	23	4.424	ug/l #	42
11) Tert butyl alcohol	3.03	59	871	1.354	ug/l #	72
16) Acetone	2.45	43	5067	3.372	ug/l	94
17) Carbon Disulfide	2.57	76	500	1.328	ug/l #	75
20) Methylene Chloride	2.85	84	782	0.304	ug/l #	78
28) Bromochloromethane	5.04	49	75	Below Cal	#	21
31) Cyclohexane	5.67	56	4603	0.997	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16430	4.753	ug/l #	51
38) Carbon Tetrachloride	5.67	117	19356	6.604	ug/l #	19
49) 1,4-Dioxane	7.88	88	19	0.287	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	69707	23.616	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	69707	60.628	ug/l #	11

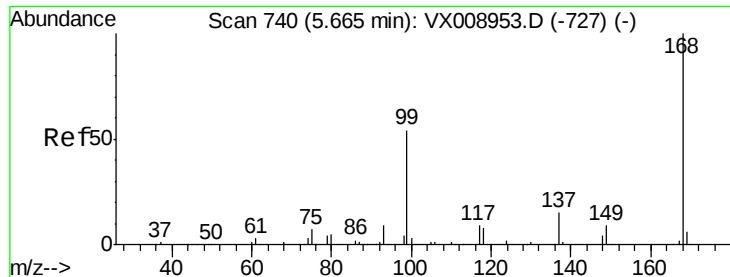
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009171.D

Acq: 25 Apr 2019 18:40

Instrument :

MSVOA_X

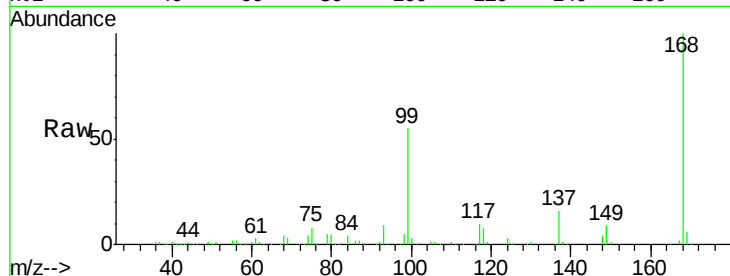
ClientSampled :

Tot Ion:168 Resp: 205624

Ion Ratio Lower Upper

168 100

99 54.9 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

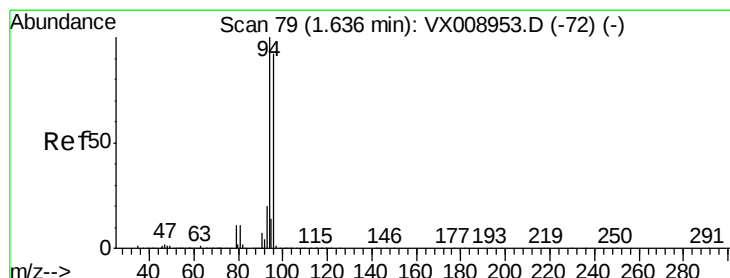
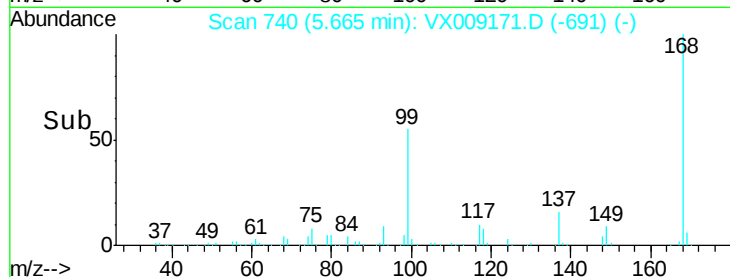
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 4.067 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX009171.D

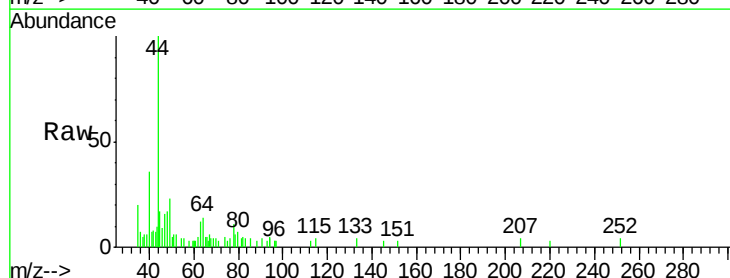
Acq: 25 Apr 2019 18:40

Tgt Ion: 94 Resp: 420

Ion Ratio Lower Upper

94 100

96 61.5 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

200

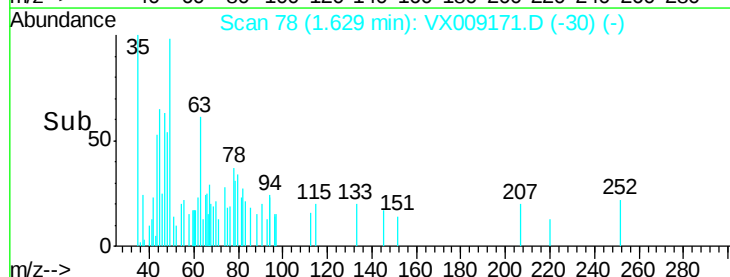
150

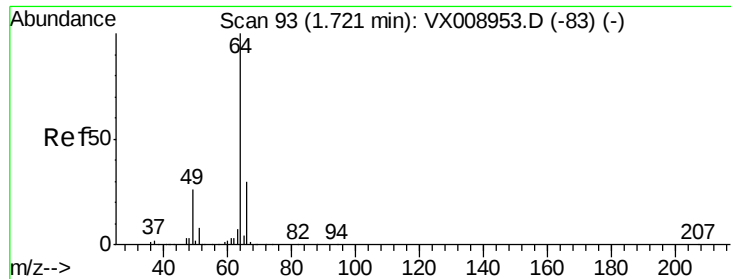
100

50

0

Time-->





#6

Chloroethane

Concen: 1.297 ug/l

RT: 1.67 min Scan# 84

Delta R.T. -0.05 min

Lab File: VX009171.D

Acq: 25 Apr 2019 18:40

Instrument :

MSVOA_X

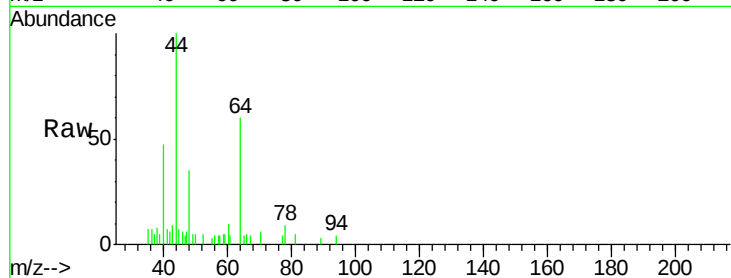
ClientSampled :

Tot Ion: 64 Resp: 2159

Ion Ratio Lower Upper

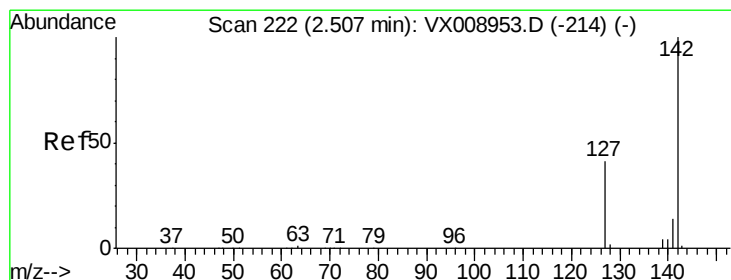
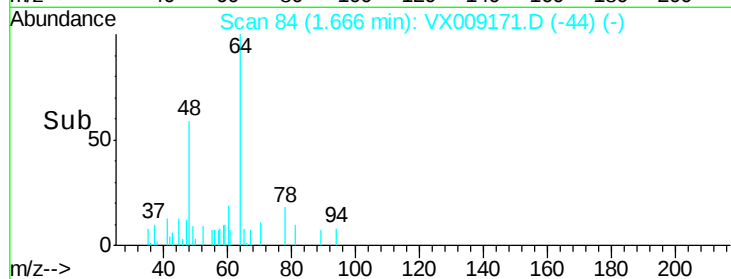
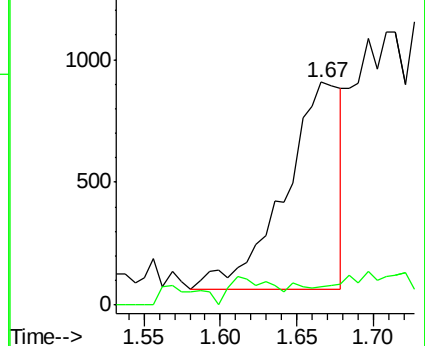
64 100

66 3.0 24.2 36.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.424 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009171.D

Acq: 25 Apr 2019 18:40

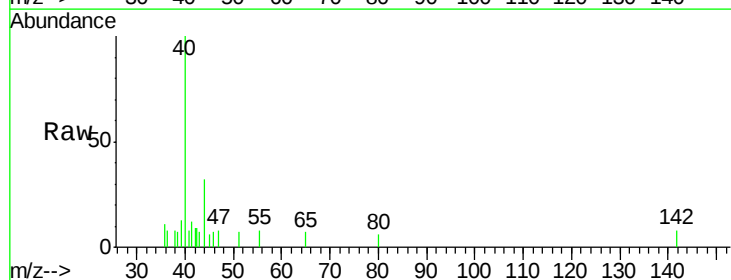
Tgt Ion: 142 Resp: 23

Ion Ratio Lower Upper

142 100

127 0.0 32.8 49.2#

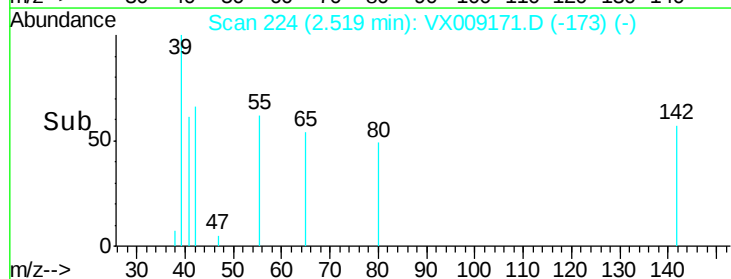
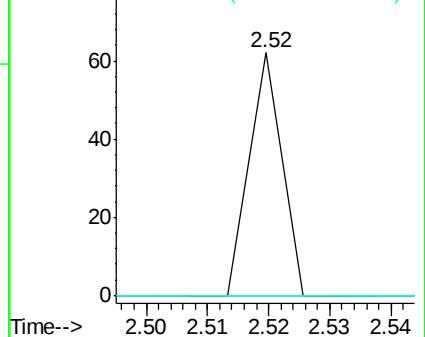
141 0.0 11.4 17.2#

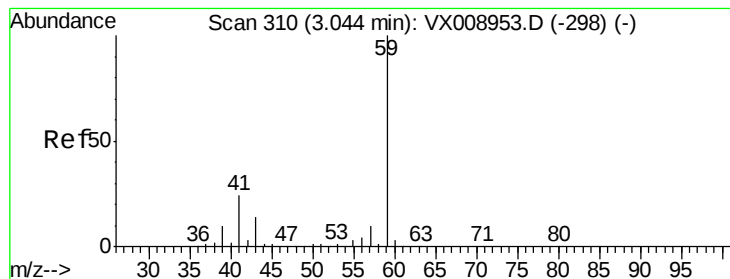


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



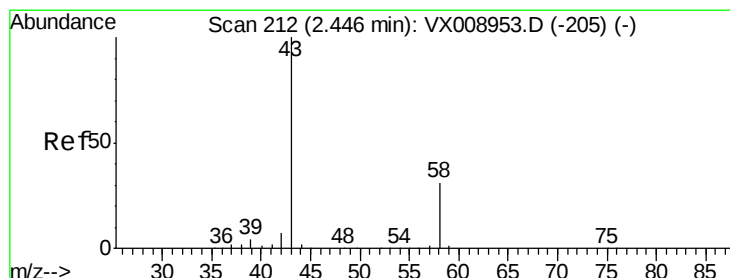
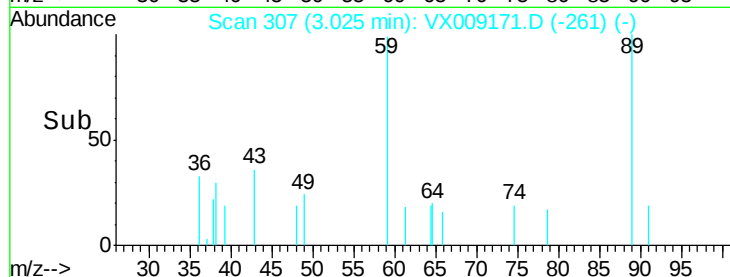
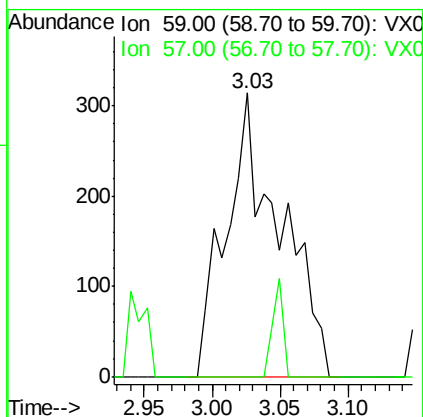
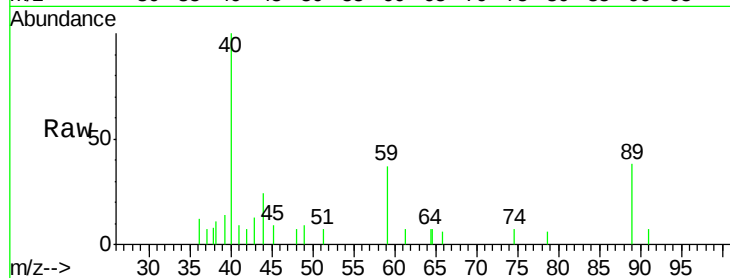


#11

Tert butyl alcohol
 Concen: 1.354 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX009171.D
 Acq: 25 Apr 2019 18:40

Instrument :
 MSVOA_X
 ClientSampleId :

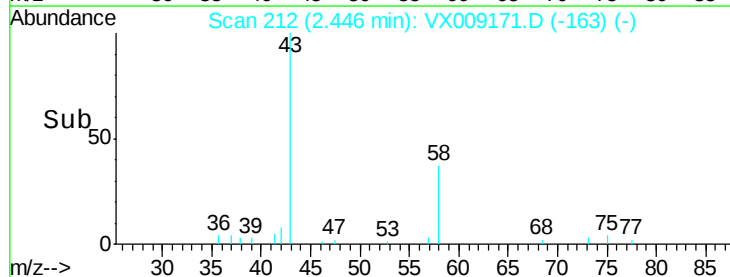
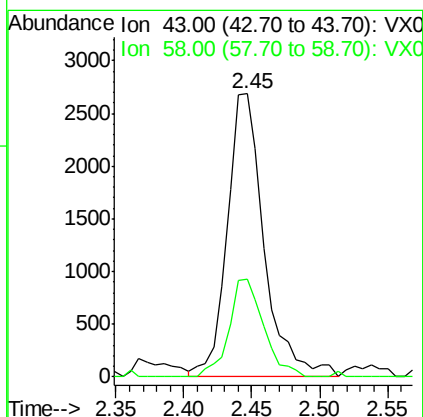
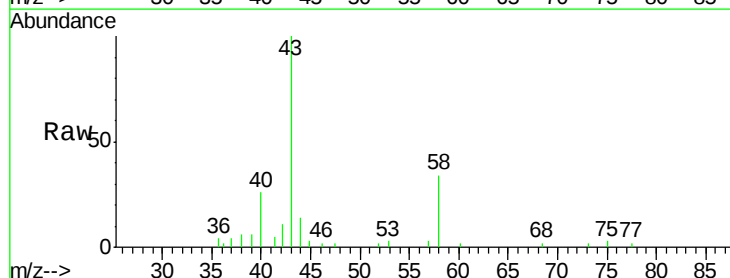
Tot Ion: 59 Resp: 871
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

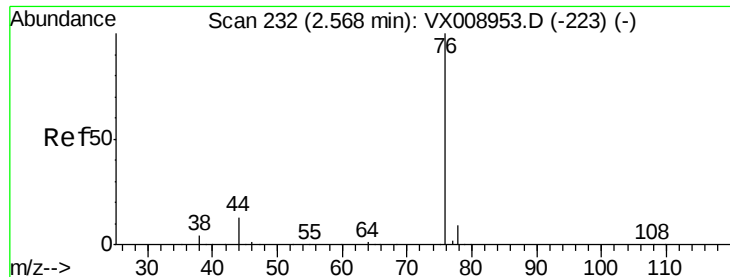


#16

Acetone
 Concen: 3.372 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX009171.D
 Acq: 25 Apr 2019 18:40

Tgt Ion: 43 Resp: 5067
 Ion Ratio Lower Upper
 43 100
 58 34.5 24.8 37.2





#17

Carbon Disulfide

Concen: 1.328 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009171.D

Acq: 25 Apr 2019 18:40

Instrument :

MSVOA_X

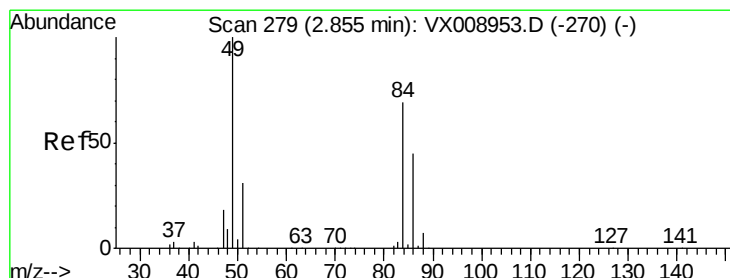
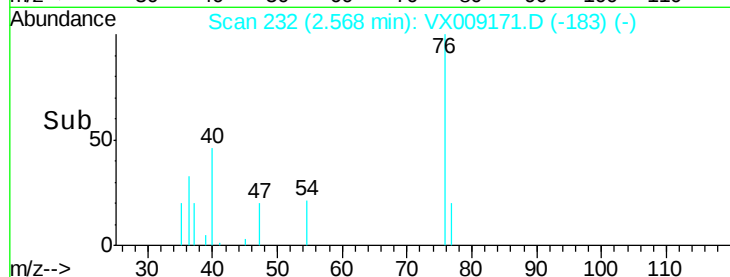
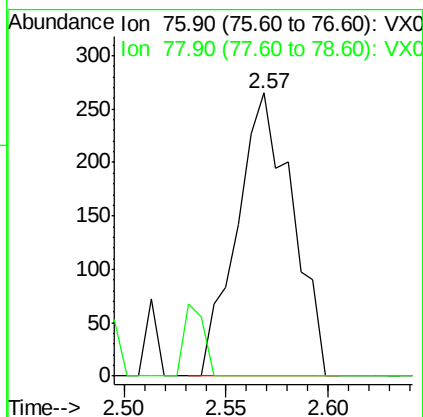
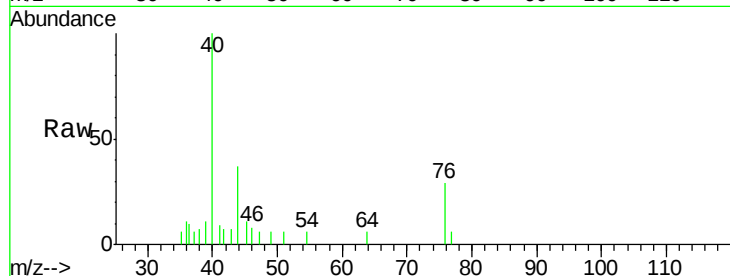
ClientSampled :

Tot Ion: 76 Resp: 500

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: 0.304 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009171.D

Acq: 25 Apr 2019 18:40

Tgt Ion: 84 Resp: 782

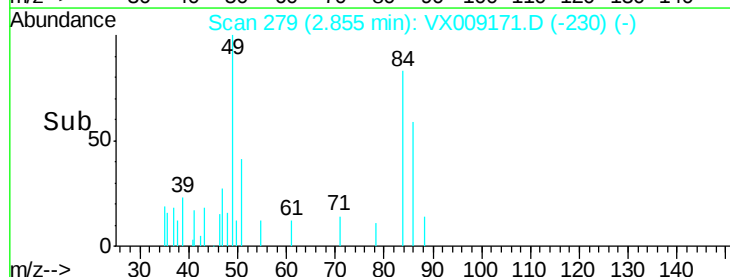
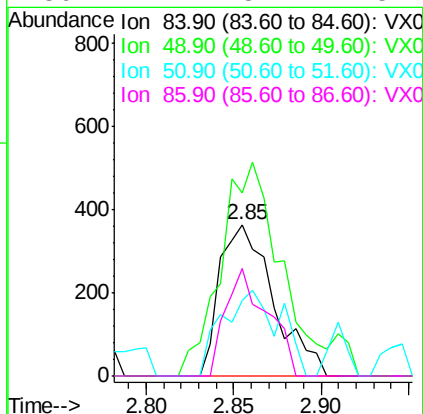
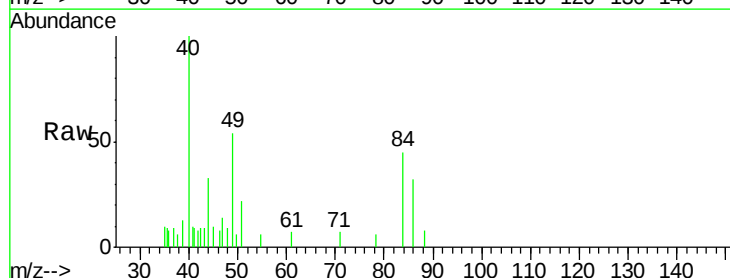
Ion Ratio Lower Upper

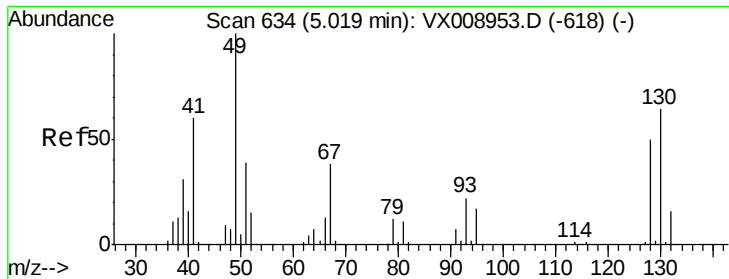
84 100

49 103.0 115.4 173.0#

51 49.9 35.8 53.6

86 71.2 52.1 78.1





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 638

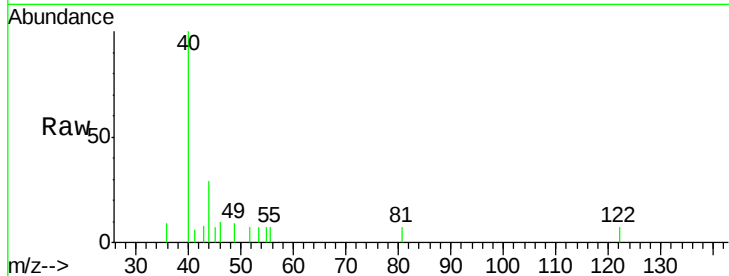
Delta R.T. 0.02 min

Lab File: VX009171.D

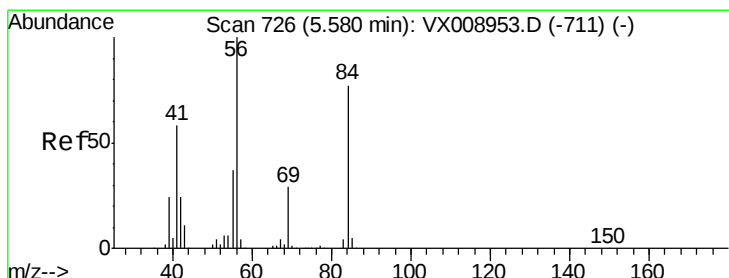
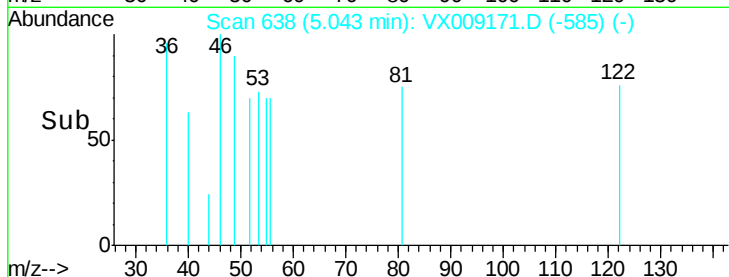
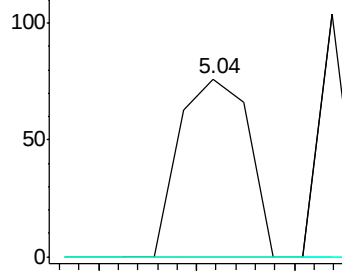
Acq: 25 Apr 2019 18:40

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 49 Resp: 75
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 50.4 75.6#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 0.997 ug/l

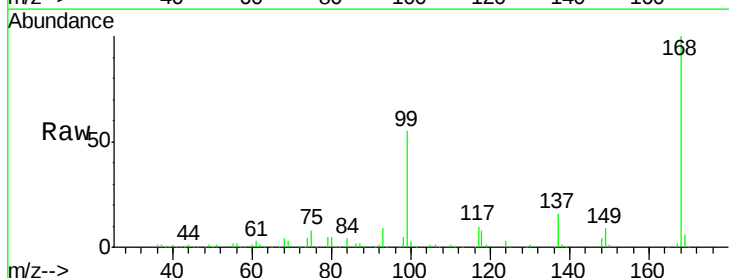
RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

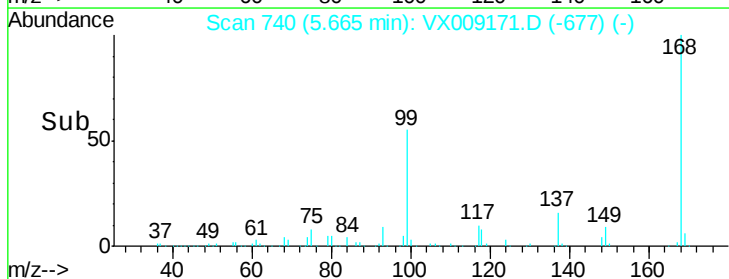
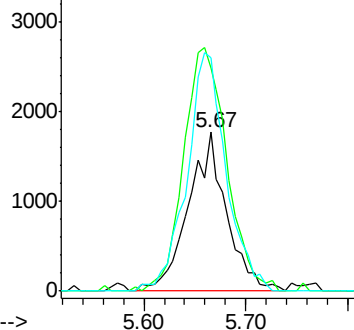
Lab File: VX009171.D

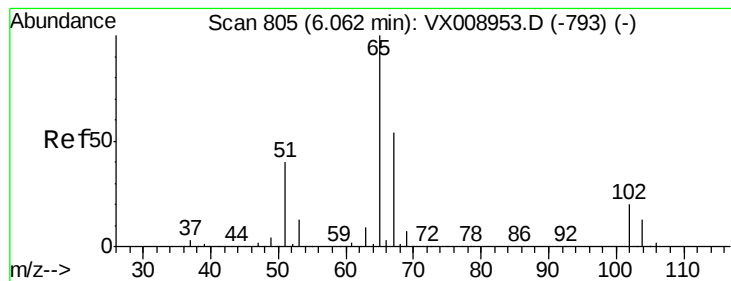
Acq: 25 Apr 2019 18:40

Tgt Ion: 56 Resp: 4603
Ion Ratio Lower Upper
56 100
69 140.5 23.3 34.9#
84 147.1 61.7 92.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.336 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009171.D

Acq: 25 Apr 2019 18:40

Instrument :

MSVOA_X

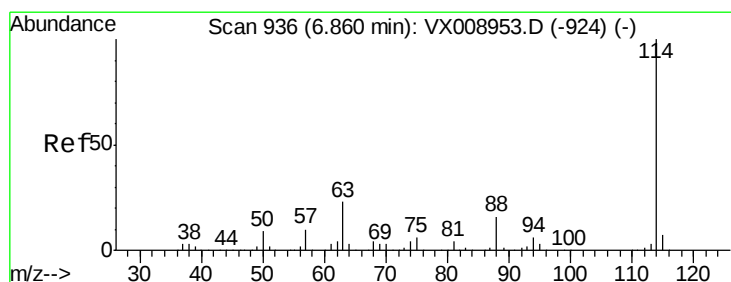
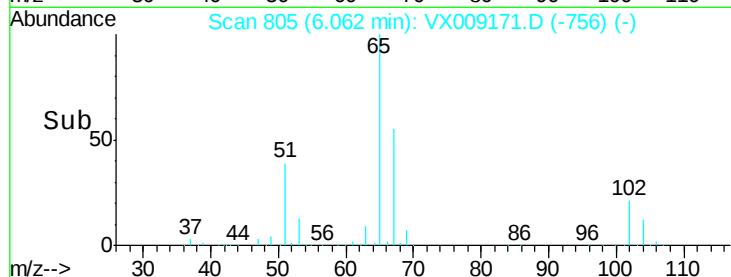
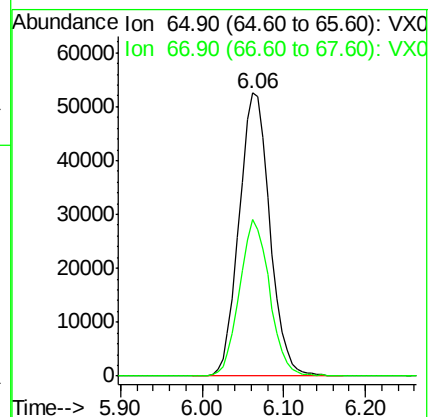
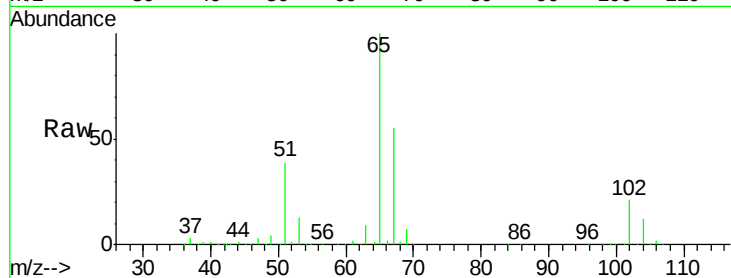
ClientSampled :

Tot Ion: 65 Resp: 137171

Ion Ratio Lower Upper

65 100

67 54.5 0.0 108.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009171.D

Acq: 25 Apr 2019 18:40

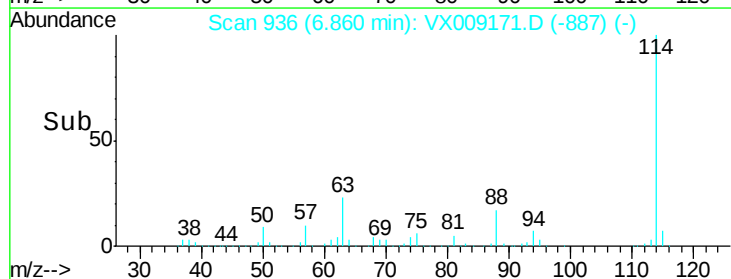
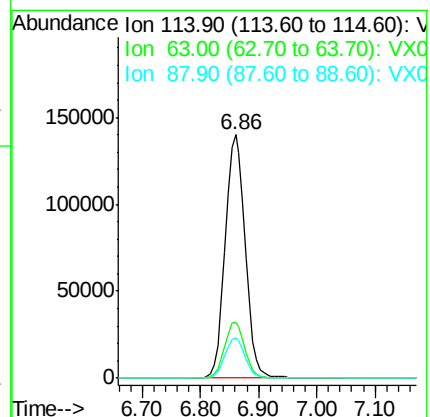
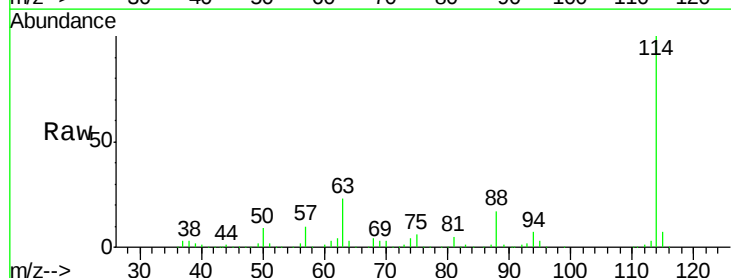
Tgt Ion: 114 Resp: 334271

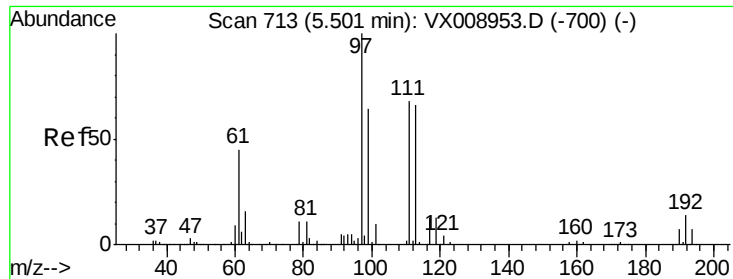
Ion Ratio Lower Upper

114 100

63 22.7 0.0 46.0

88 16.6 0.0 32.6

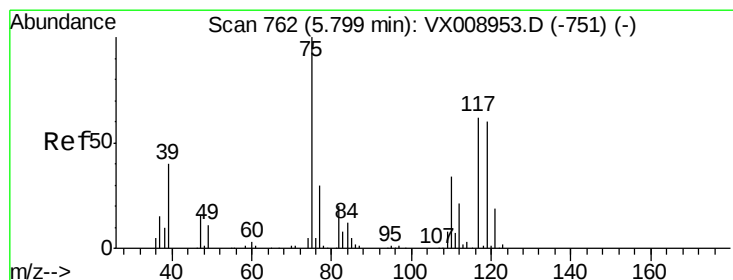
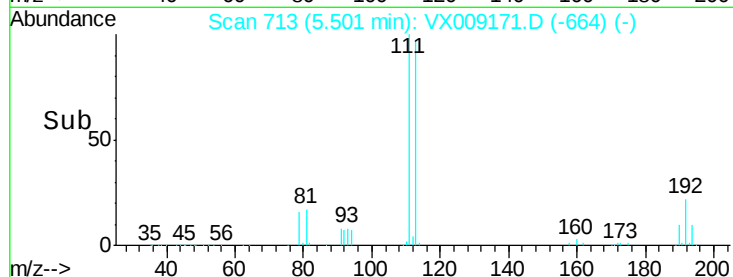
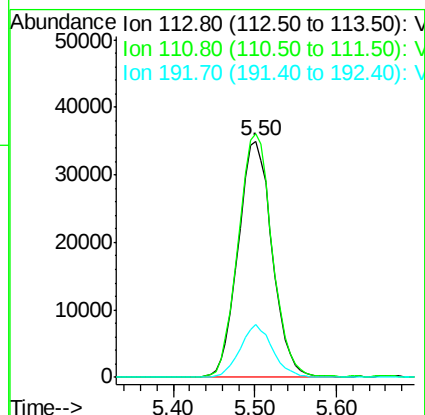
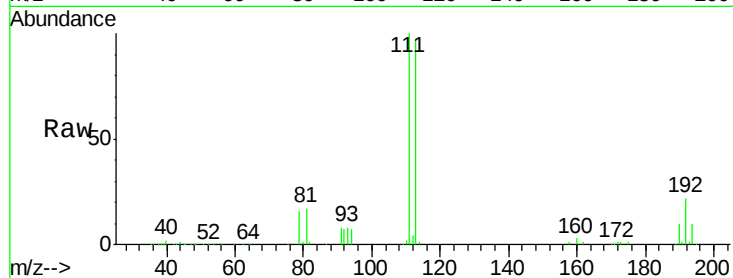




#35
 Dibromofluoromethane
 Concen: 47.278 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009171.D
 Acq: 25 Apr 2019 18:40

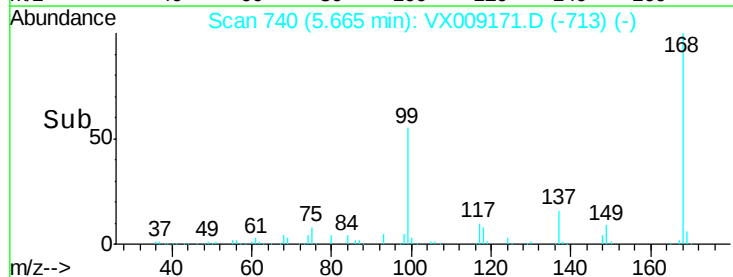
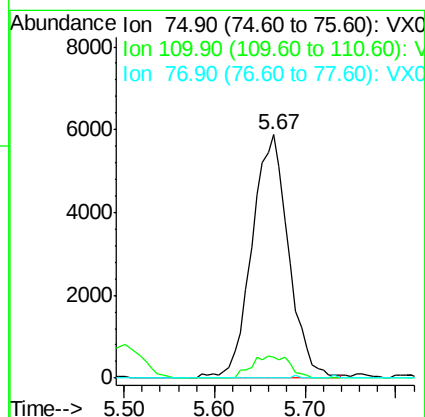
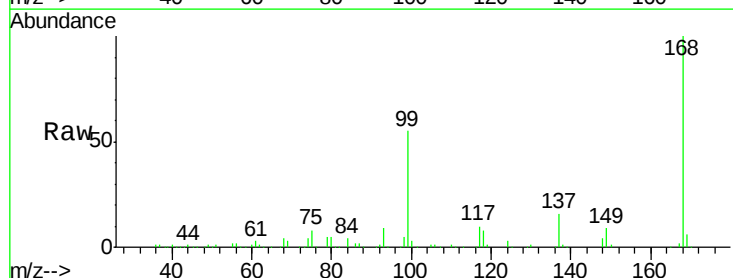
Instrument :
 MSVOA_X
 ClientSampleId :

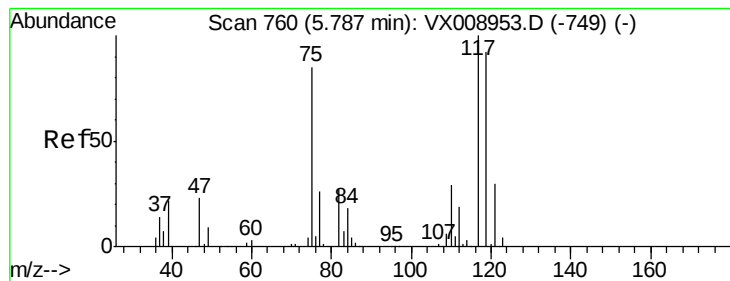
Tot Ion:113 Resp: 101425
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.9 124.3
 192 21.5 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 4.753 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009171.D
 Acq: 25 Apr 2019 18:40

Tgt Ion: 75 Resp: 16430
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.9 50.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.604 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009171.D

Acq: 25 Apr 2019 18:40

Instrument :

MSVOA_X

ClientSampleId :

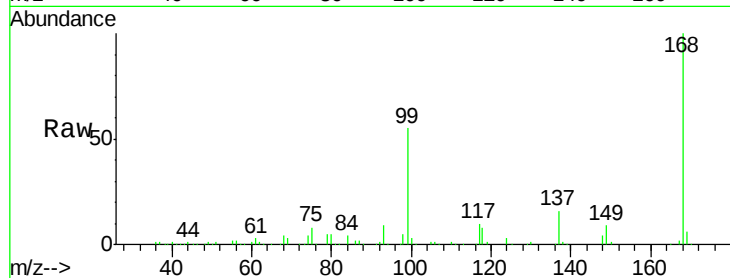
Tot Ion:117 Resp: 19356

Ion Ratio Lower Upper

117 100

119 6.7 73.8 110.8#

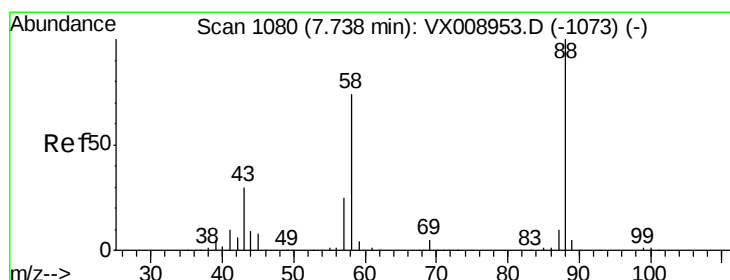
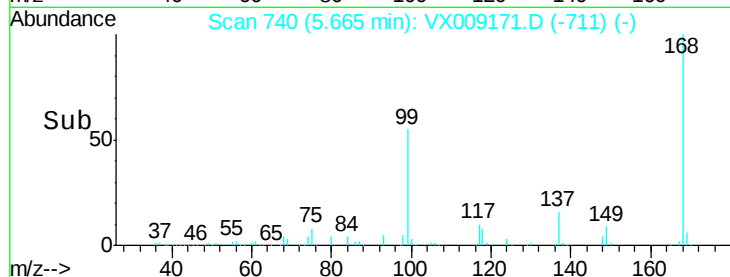
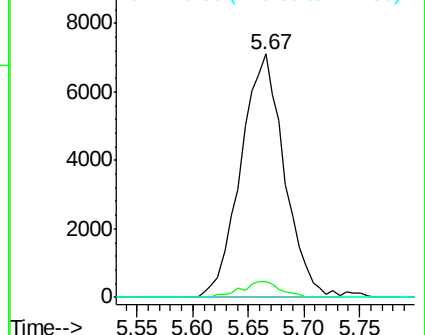
121 0.0 23.6 35.4#



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



#49

1,4-Dioxane

Concen: 0.287 ug/l

RT: 7.88 min Scan# 1103

Delta R.T. 0.14 min

Lab File: VX009171.D

Acq: 25 Apr 2019 18:40

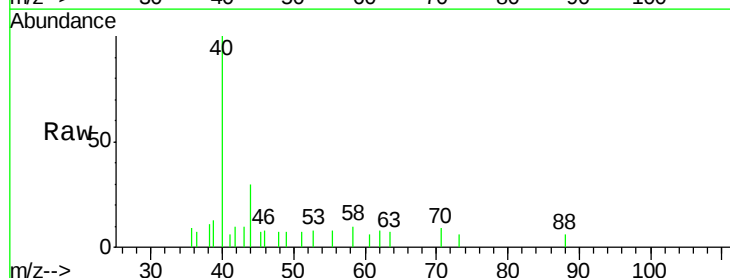
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 584.2 29.3 43.9#

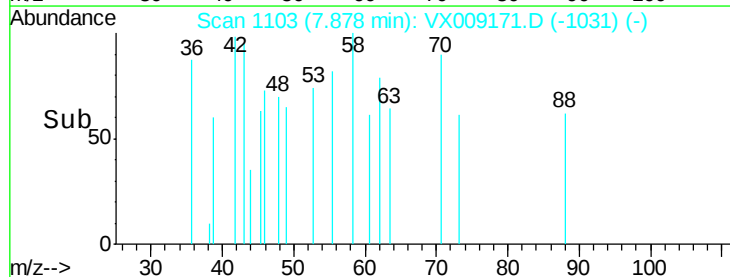
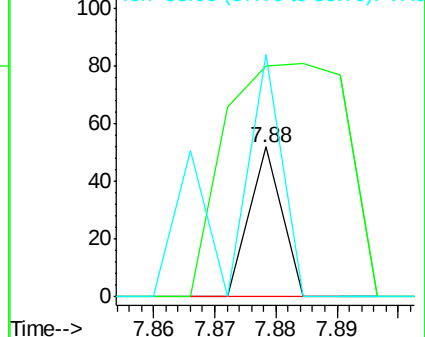
58 257.9 62.6 93.8#

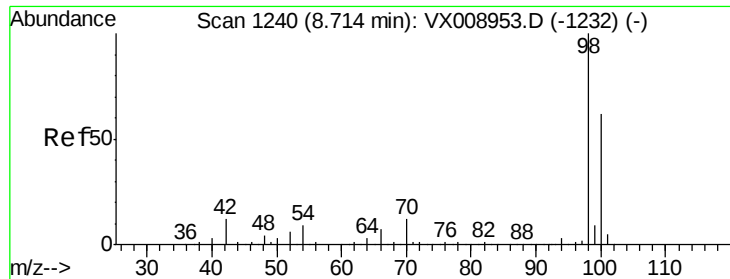


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

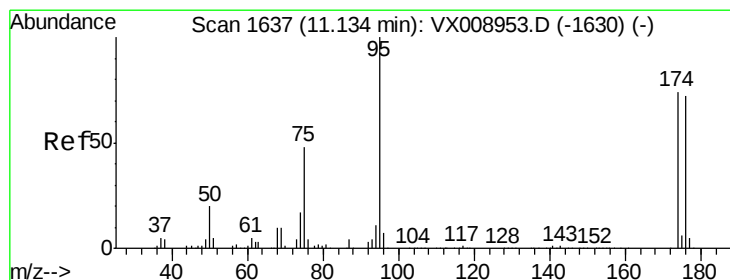
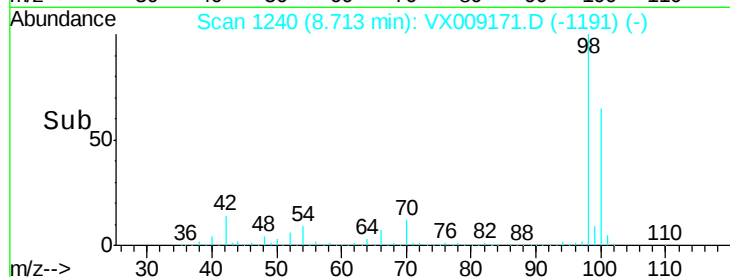
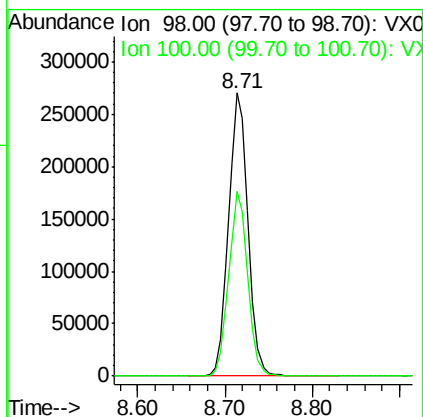
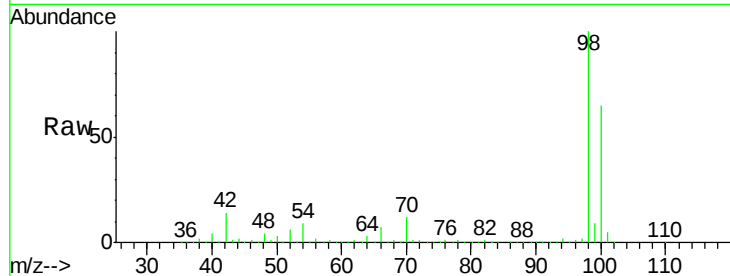




#50
Toluene-d8
Concen: 48.730 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009171.D
Acq: 25 Apr 2019 18:40

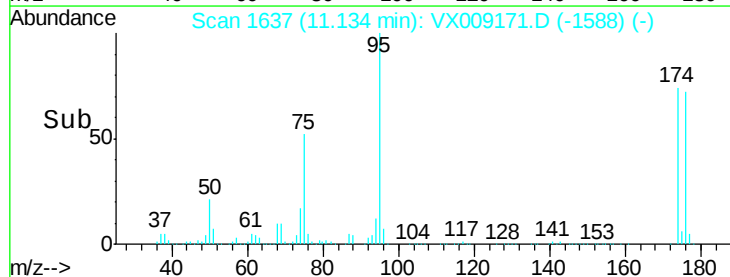
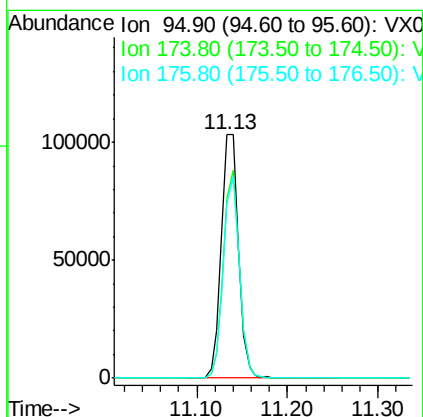
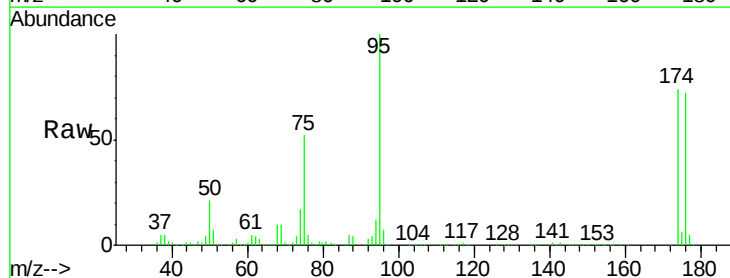
Instrument :
MSVOA_X
ClientSampleId :

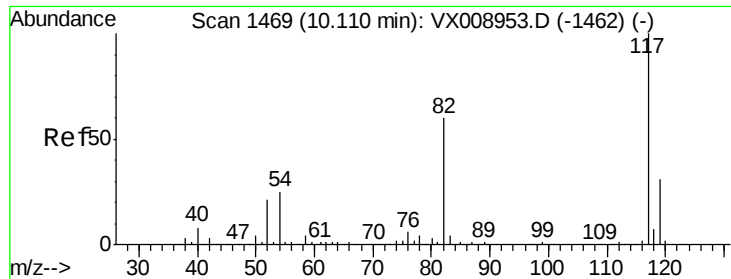
Tot Ion: 98 Resp: 416906
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 45.408 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009171.D
Acq: 25 Apr 2019 18:40

Tgt Ion: 95 Resp: 137137
Ion Ratio Lower Upper
95 100
174 79.7 0.0 159.6
176 77.7 0.0 154.8

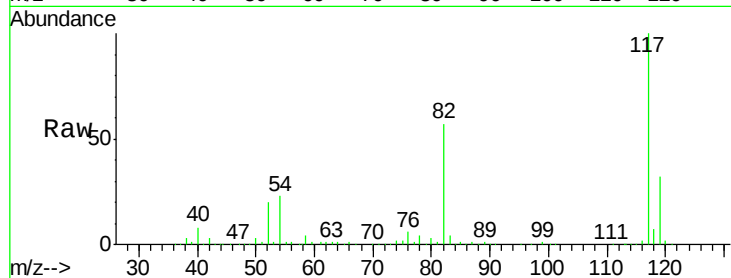




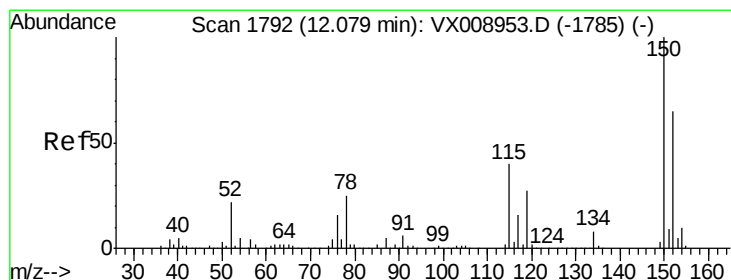
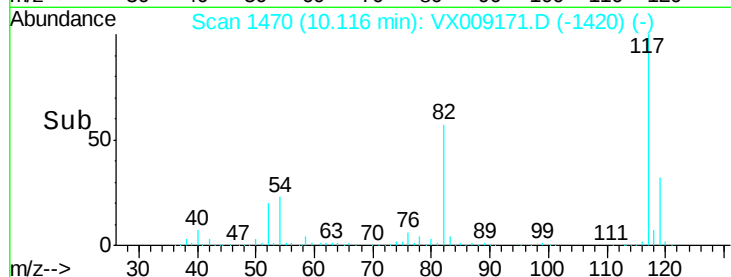
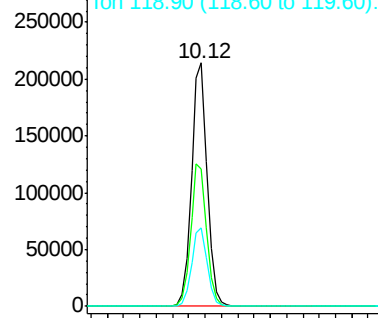
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009171.D
Acq: 25 Apr 2019 18:40

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 288768
Ion Ratio Lower Upper
117 100
82 56.7 48.2 72.4
119 32.4 25.0 37.6

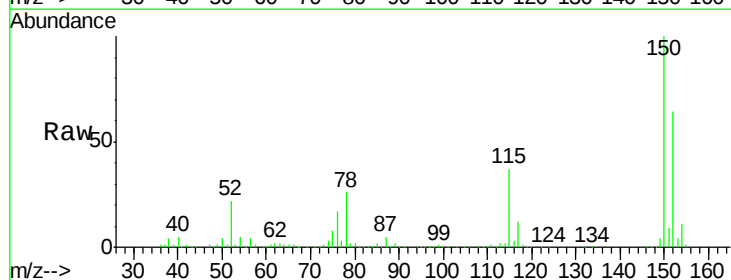


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

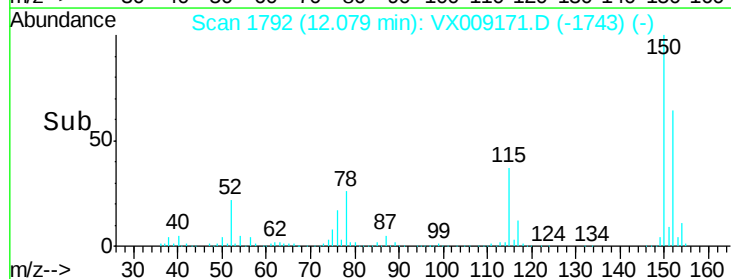
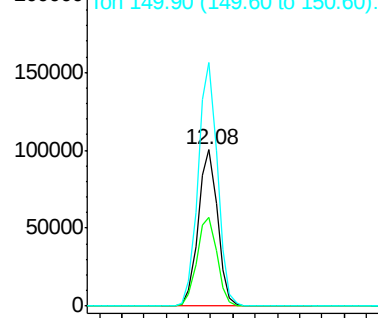


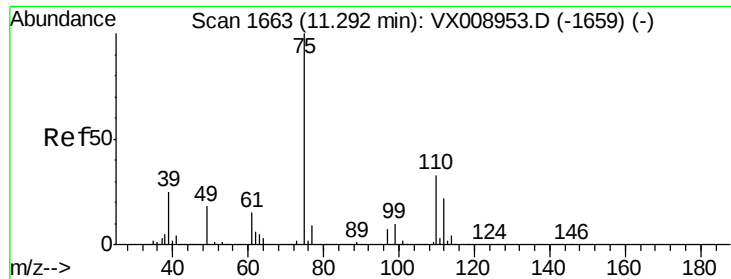
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009171.D
Acq: 25 Apr 2019 18:40

Tgt Ion:152 Resp: 120883
Ion Ratio Lower Upper
152 100
115 59.1 41.4 124.2
150 155.7 0.0 349.8



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



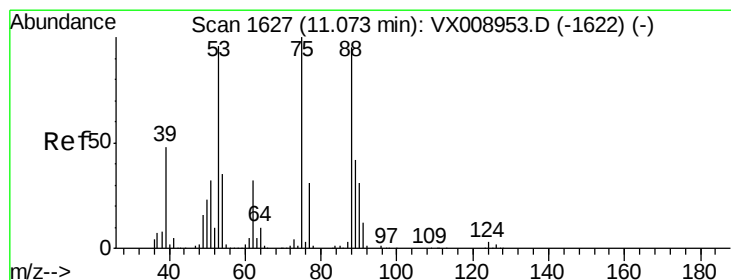
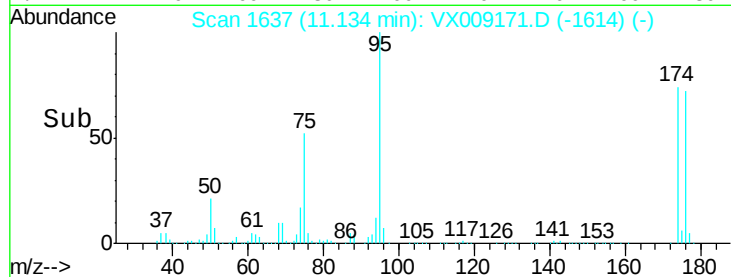
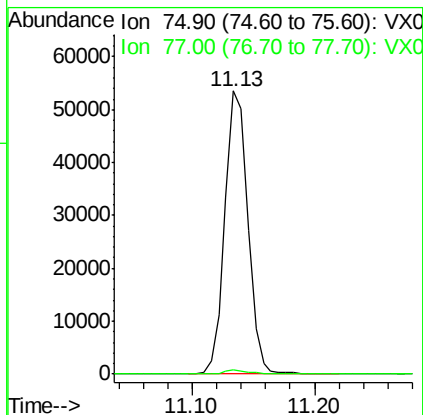
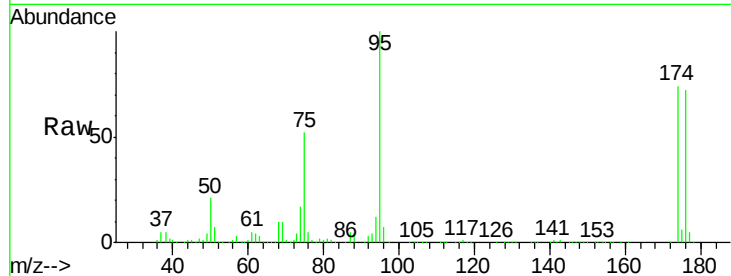


#76

1,2,3-Trichloropropane
Concen: 23.616 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX009171.D
Acq: 25 Apr 2019 18:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 69707
Ion Ratio Lower Upper
75 100
77 1.5 22.7 68.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 60.628 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX009171.D
Acq: 25 Apr 2019 18:40

Tgt Ion: 75 Resp: 69707
Ion Ratio Lower Upper
75 100
53 0.1 78.2 117.4#
89 0.0 36.0 54.0#

