

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042519\
 Data File : VX009156.D
 Acq On : 25 Apr 2019 12:48
 Operator : JC/SP
 Sample : K2535-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 26 04:23:00 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	5.66	168	210181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	336138	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	288955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124304	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	138014	46.59	ug/l	0.00
Spiked Amount			Recovery	=	93.18%	
35) Dibromofluoromethane	5.49	113	101792	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	
50) Toluene-d8	8.71	98	417756	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	11.13	95	138842	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	

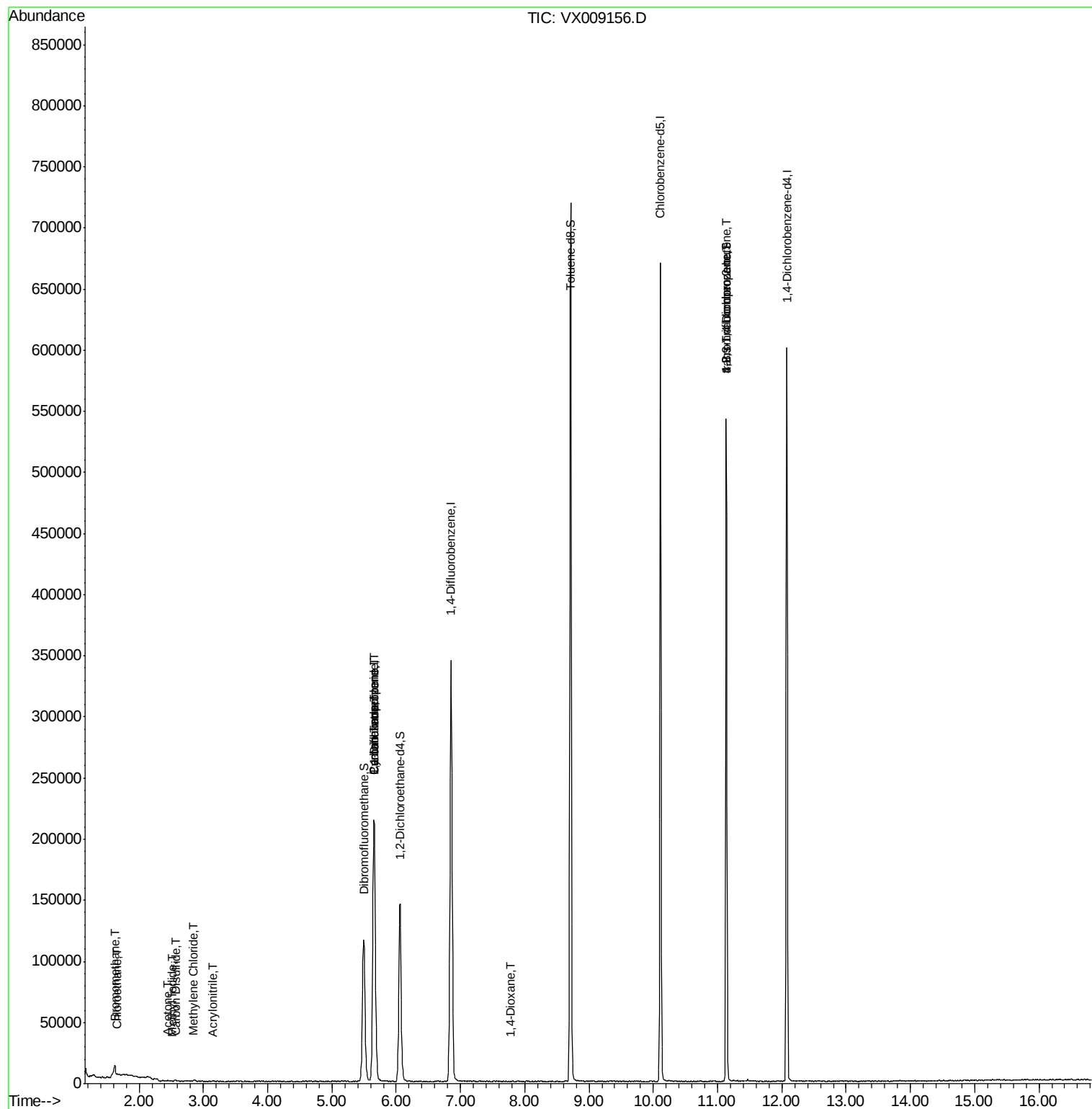
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	534	4.120	ug/l #	56
6) Chloroethane	1.66	64	1069	0.628	ug/l #	44
10) Methyl Iodide	2.51	142	91	4.450	ug/l #	76
15) Acrylonitrile	3.15	53	414	0.248	ug/l #	28
16) Acetone	2.44	43	531	0.346	ug/l #	4
17) Carbon Disulfide	2.57	76	1077	1.411	ug/l #	75
20) Methylene Chloride	2.85	84	559	0.213	ug/l #	86
28) Bromochloromethane	5.00	49	65	Below Cal	#	19
31) Cyclohexane	5.65	56	4862	1.031	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	16228	4.668	ug/l #	51
38) Carbon Tetrachloride	5.66	117	19444	6.597	ug/l #	17
49) 1,4-Dioxane	7.79	88	42	0.630	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	70754	23.311	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	70754	59.845	ug/l #	11

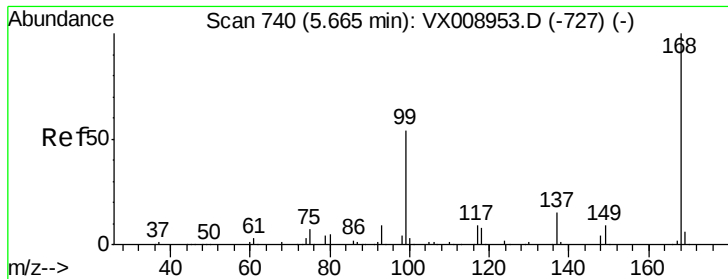
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009156.D

Acq: 25 Apr 2019 12:48

Instrument :

MSVOA_X

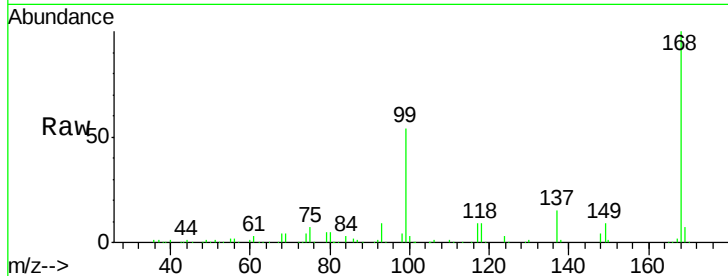
ClientSampleId :

Tot Ion:168 Resp: 210181

Ion Ratio Lower Upper

168 100

99 54.1 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

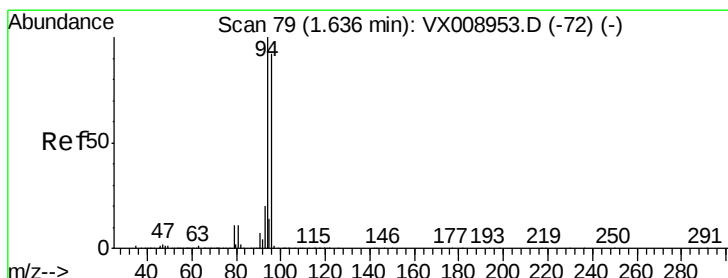
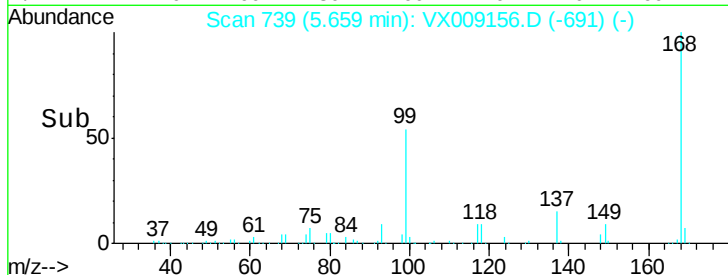
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 4.120 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX009156.D

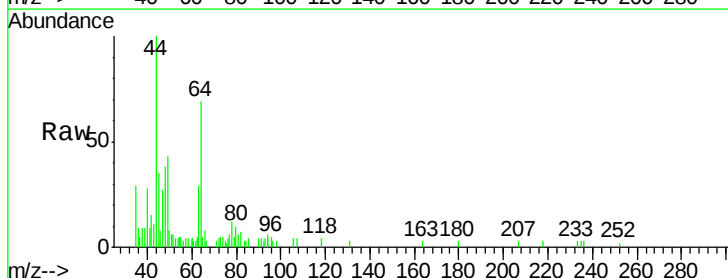
Acq: 25 Apr 2019 12:48

Tgt Ion: 94 Resp: 534

Ion Ratio Lower Upper

94 100

96 50.0 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

250

200

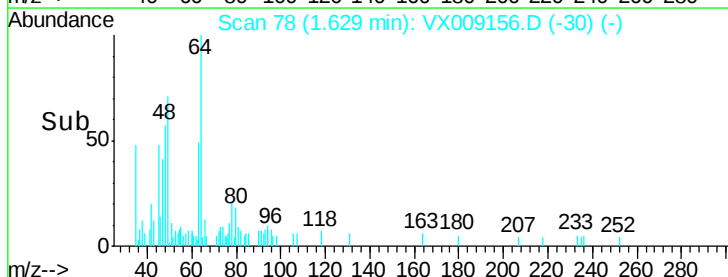
150

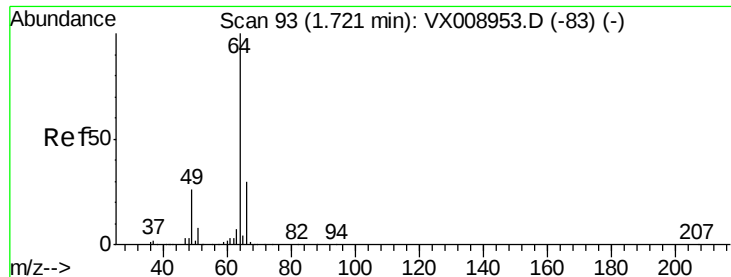
100

50

0

Time-->





#6

Chloroethane

Concen: 0.628 ug/l

RT: 1.66 min Scan# 83

Delta R.T. -0.06 min

Lab File: VX009156.D

Acq: 25 Apr 2019 12:48

Instrument :

MSVOA_X

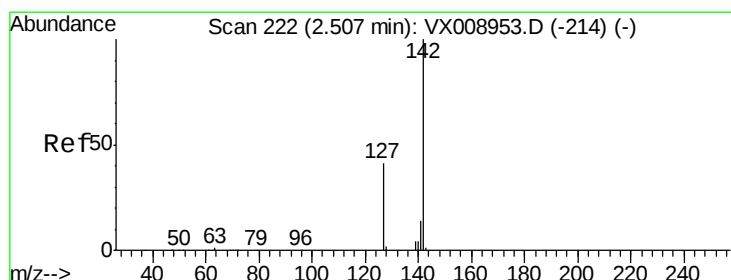
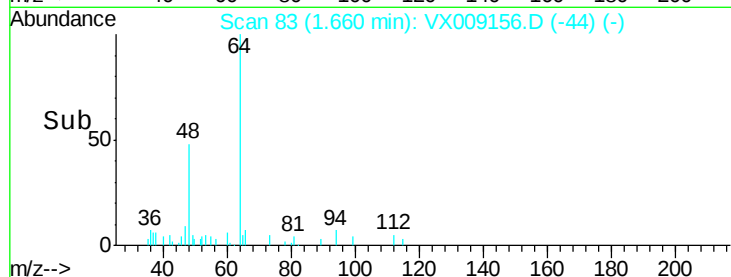
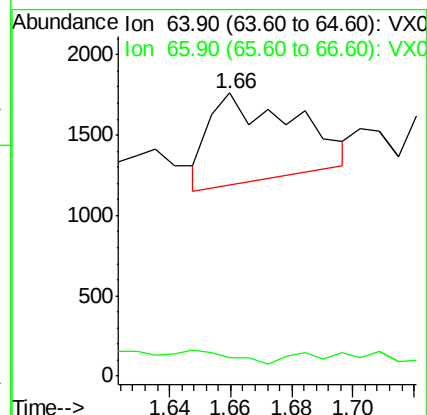
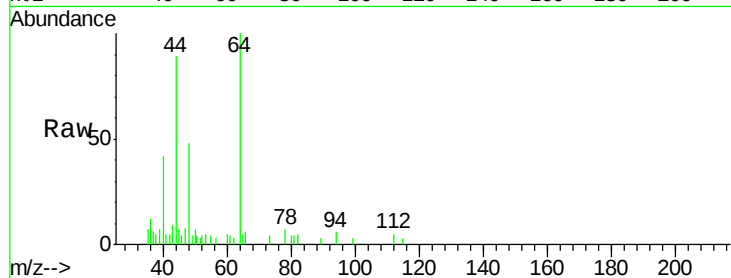
ClientSampleId :

Tot Ion: 64 Resp: 1069

Ion Ratio Lower Upper

64 100

66 0.0 24.2 36.2#



#10

Methyl Iodide

Concen: 4.450 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009156.D

Acq: 25 Apr 2019 12:48

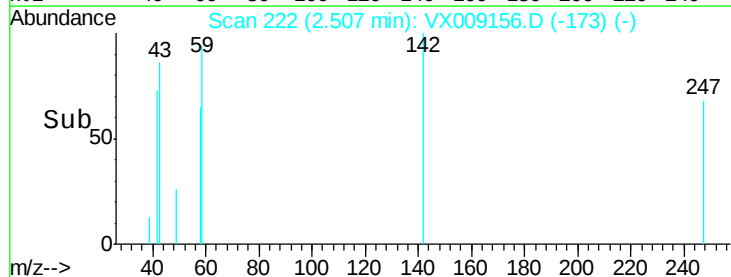
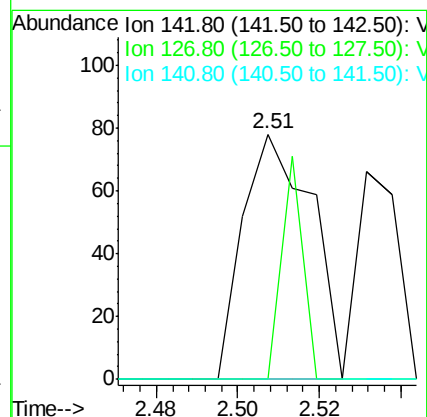
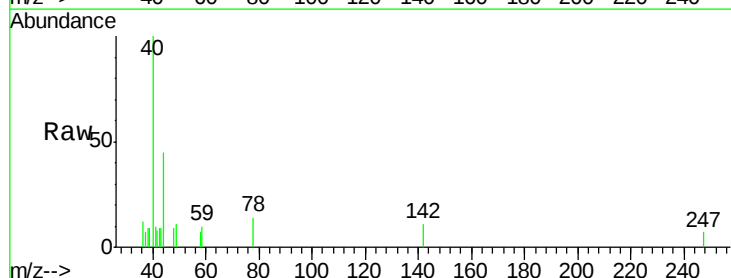
Tgt Ion: 142 Resp: 91

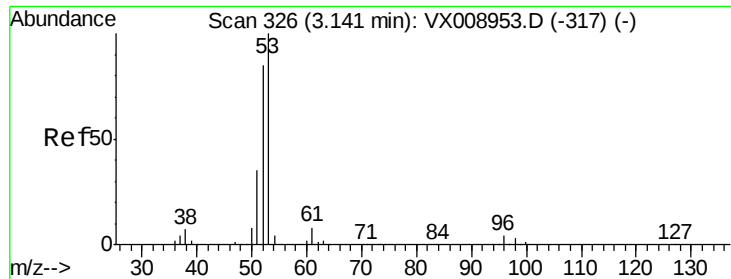
Ion Ratio Lower Upper

142 100

127 28.6 32.8 49.2#

141 0.0 11.4 17.2#





#15

Acrylonitrile

Concen: 0.248 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009156.D

Acq: 25 Apr 2019 12:48

Instrument :
MSVOA_X
ClientSampled :

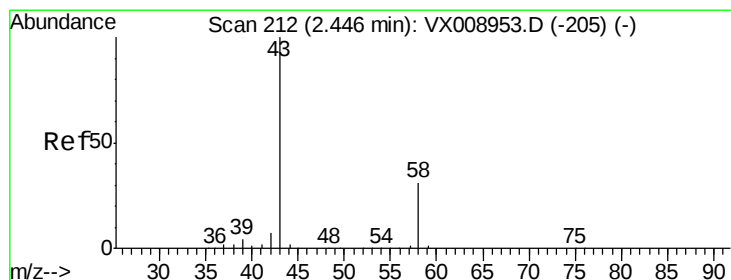
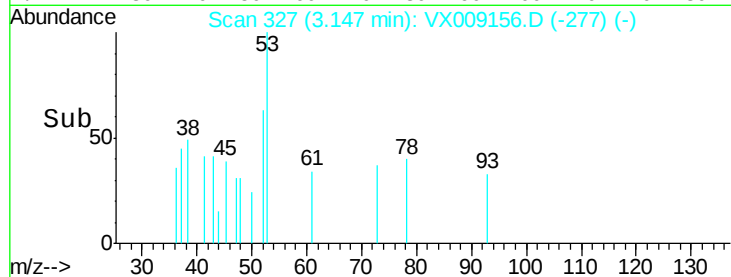
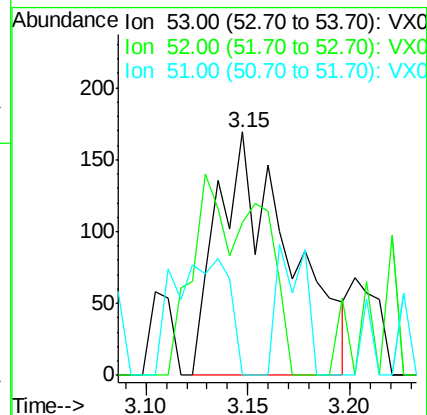
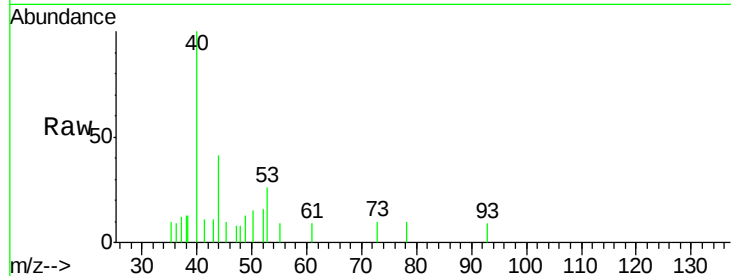
Tot Ion: 53 Resp: 414

Ion Ratio Lower Upper

53 100

52 0.0 66.6 100.0#

51 20.8 28.3 42.5#



#16

Acetone

Concen: 0.346 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009156.D

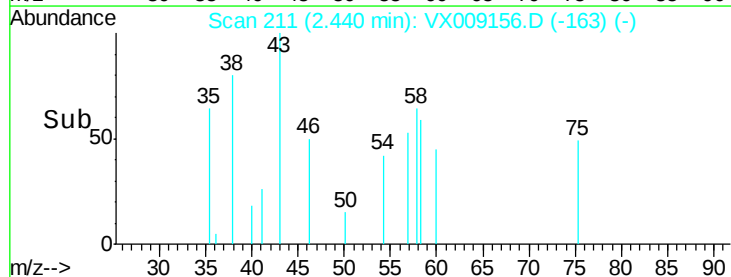
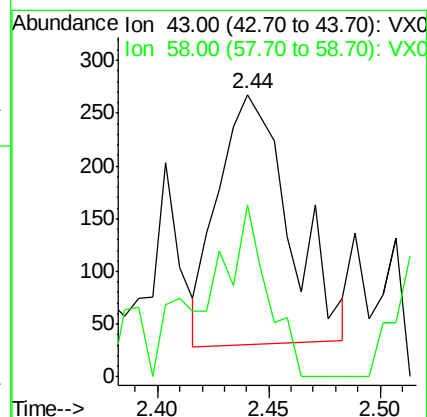
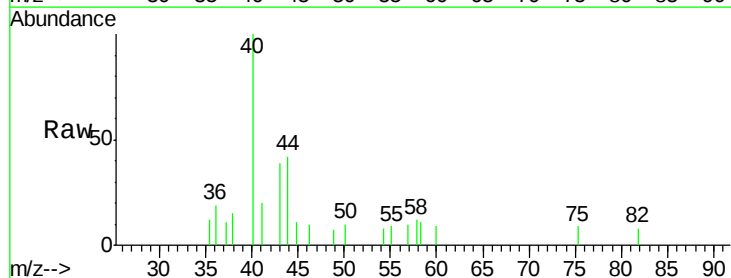
Acq: 25 Apr 2019 12:48

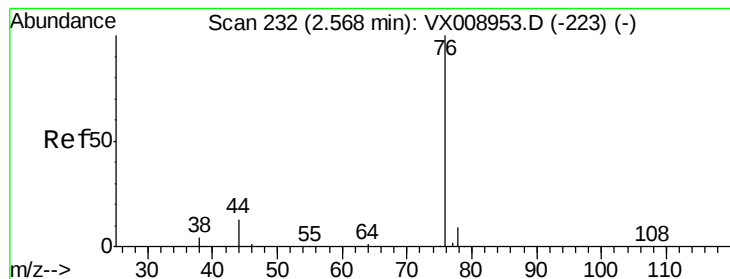
Tgt Ion: 43 Resp: 531

Ion Ratio Lower Upper

43 100

58 84.0 24.8 37.2#





#17

Carbon Disulfide

Concen: 1.411 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009156.D

Acq: 25 Apr 2019 12:48

Instrument :

MSVOA_X

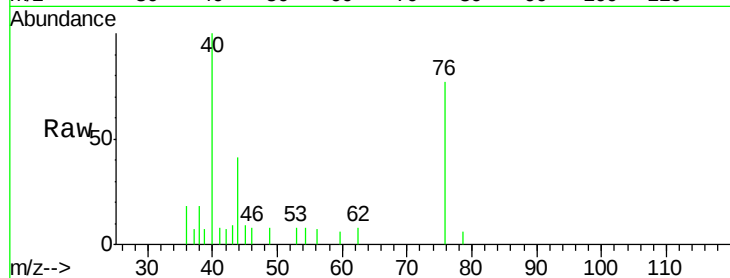
ClientSampleId :

Tot Ion: 76 Resp: 1077

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

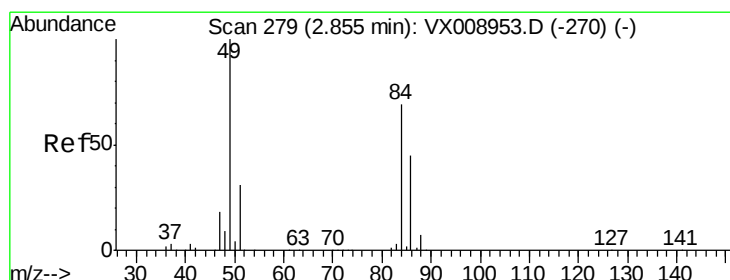
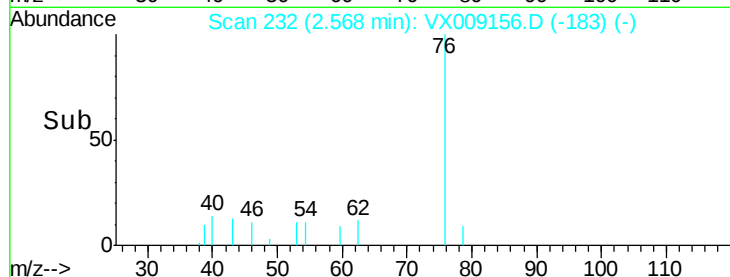
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 0.213 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009156.D

Acq: 25 Apr 2019 12:48

Tgt Ion: 84 Resp: 559

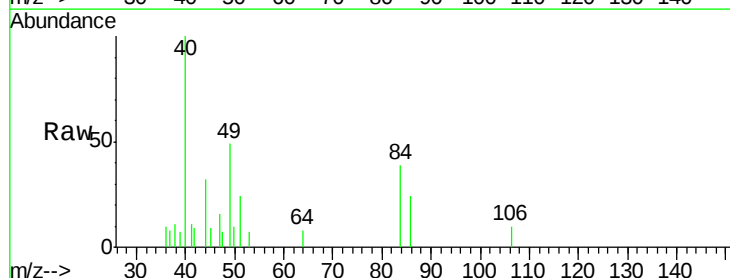
Ion Ratio Lower Upper

84 100

49 124.8 115.4 173.0

51 61.2 35.8 53.6#

86 62.2 52.1 78.1



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

500

400

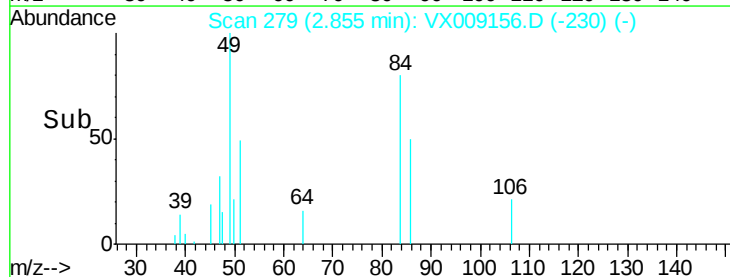
300

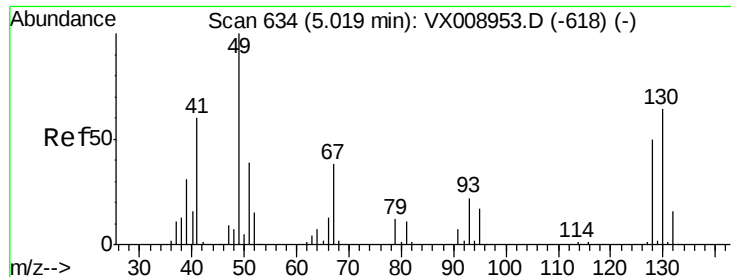
200

100

0

Time-->





#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.02 min

Lab File: VX009156.D

Acq: 25 Apr 2019 12:48

Instrument :
MSVOA_X
ClientSampled :

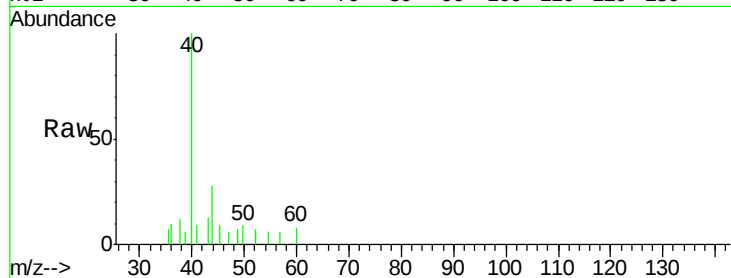
Tot Ion: 49 Resp: 65

Ion Ratio Lower Upper

49 100

129 29.2 0.0 3.6#

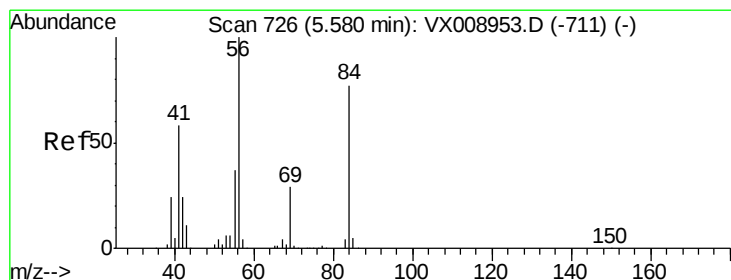
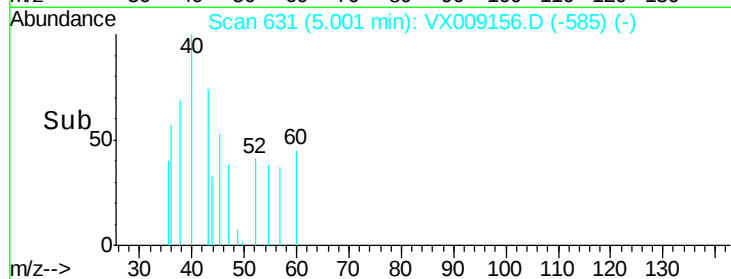
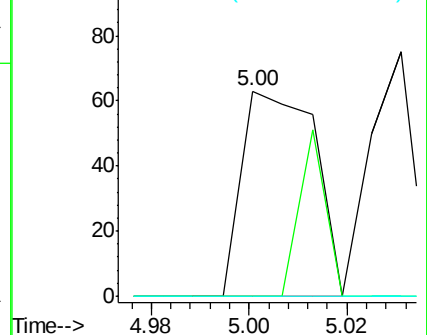
130 0.0 50.4 75.6#



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: 1.031 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX009156.D

Acq: 25 Apr 2019 12:48

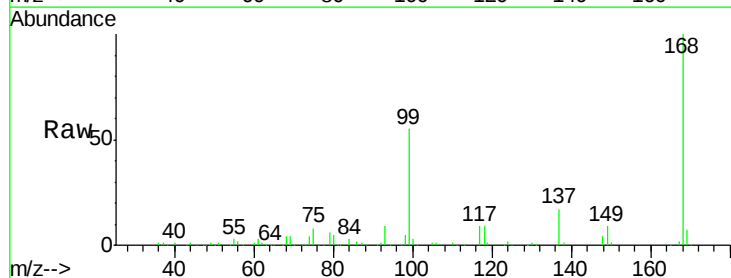
Tgt Ion: 56 Resp: 4862

Ion Ratio Lower Upper

56 100

69 195.9 23.3 34.9#

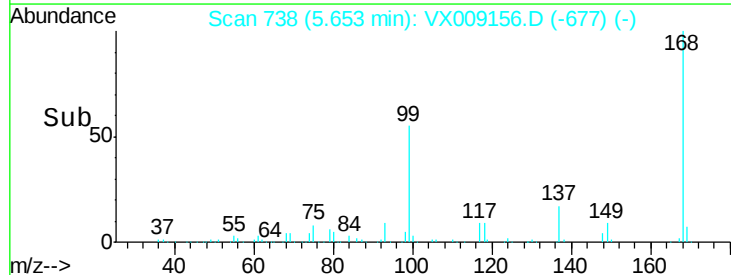
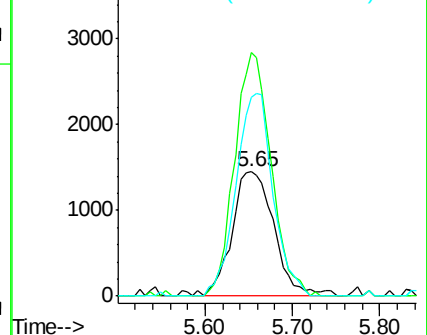
84 159.9 61.7 92.5#

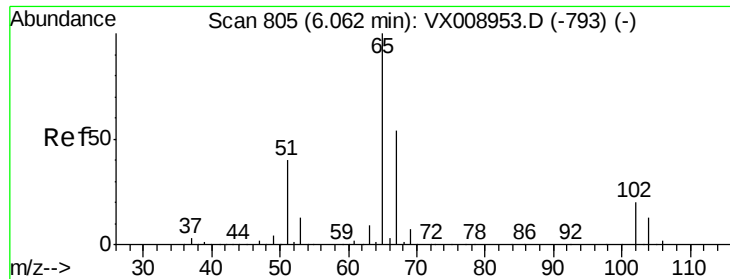


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

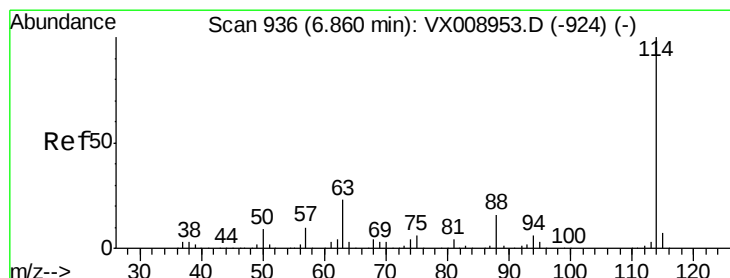
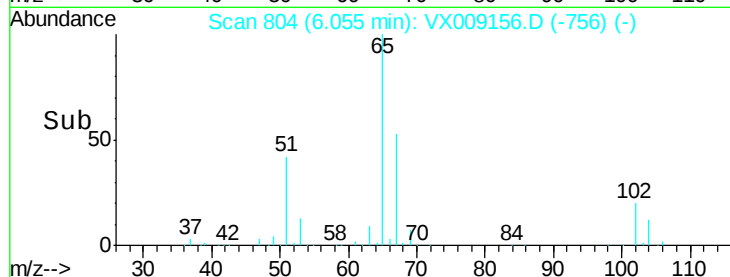
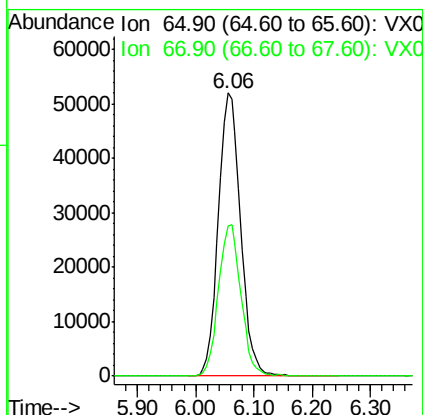
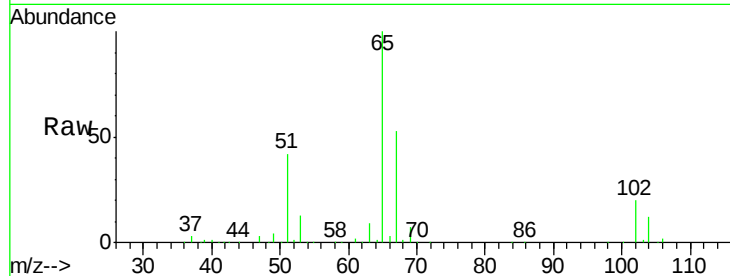




#33
 1,2-Dichloroethane-d4
 Concen: 46.594 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX009156.D
 Acq: 25 Apr 2019 12:48

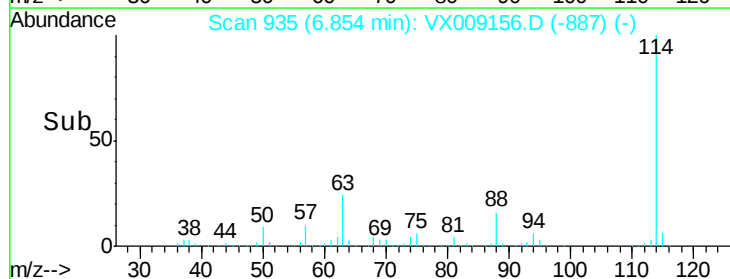
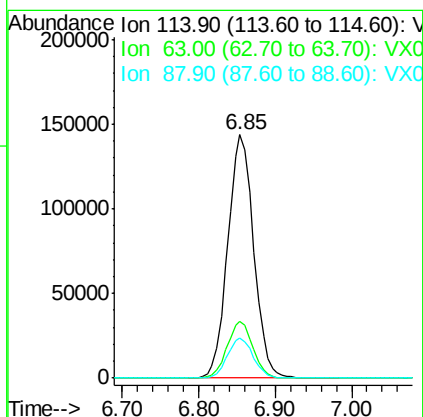
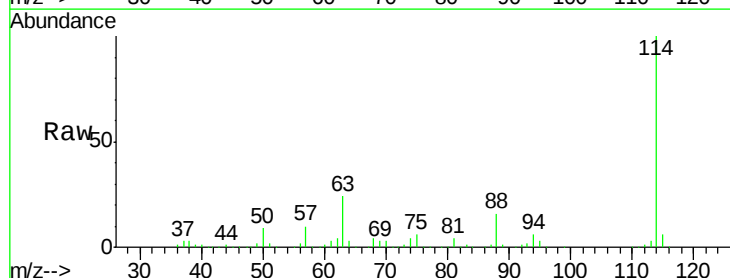
Instrument :
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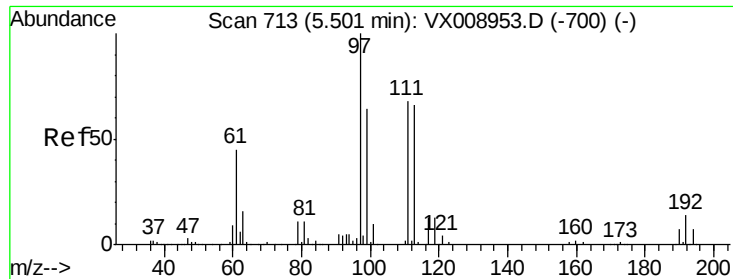
Tot Ion: 65 Resp: 138014
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009156.D
 Acq: 25 Apr 2019 12:48

Tgt Ion: 114 Resp: 336138
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.0
 88 16.5 0.0 32.6

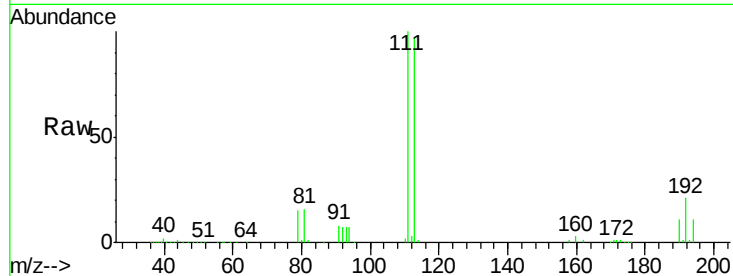




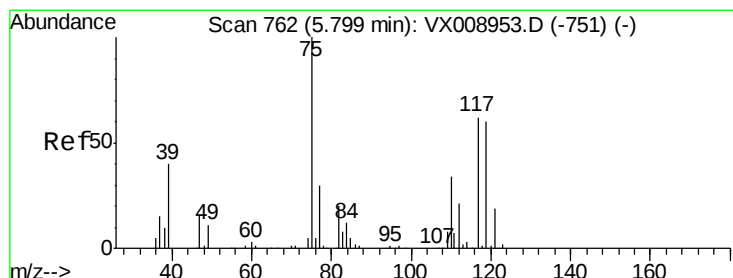
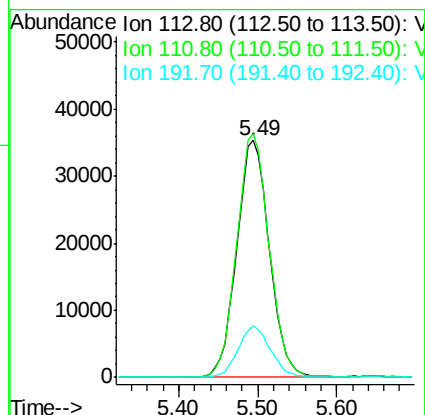
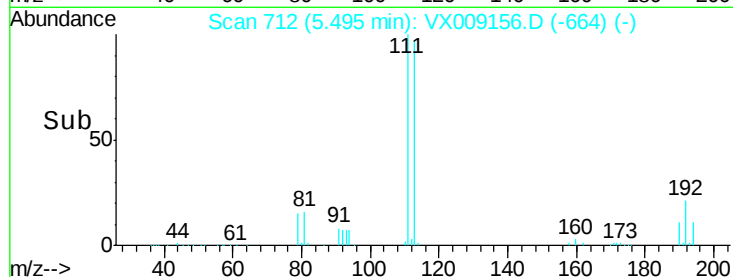
#35
 Dibromofluoromethane
 Concen: 47.186 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX009156.D
 Acq: 25 Apr 2019 12:48

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.9	124.3
192	21.3	17.4	26.0

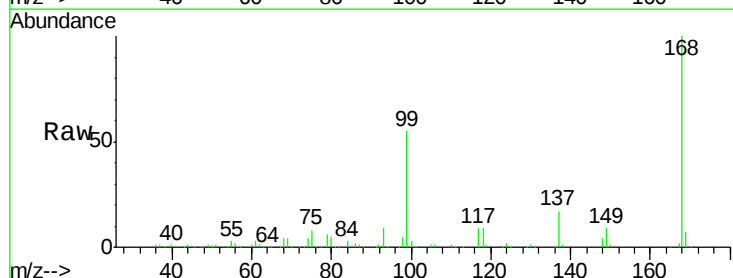


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

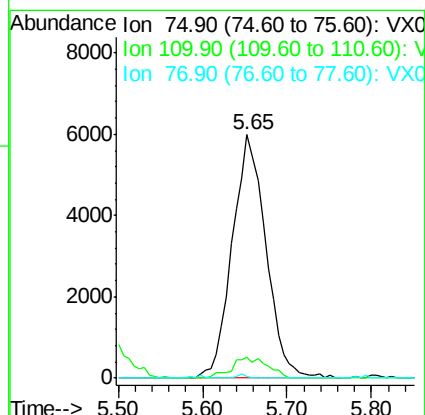
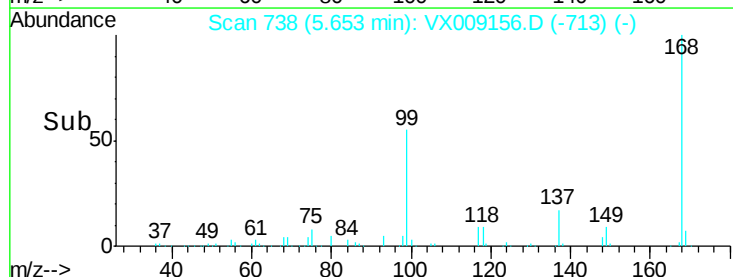


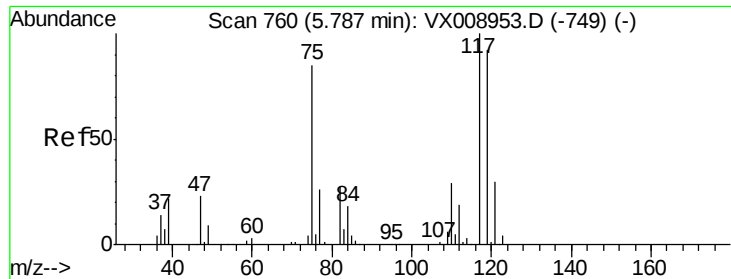
#36
 1,1-Dichloropropene
 Concen: 4.668 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX009156.D
 Acq: 25 Apr 2019 12:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.9	50.7#
77	0.5	25.0	37.4#



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: 6.597 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX009156.D

Acq: 25 Apr 2019 12:48

Instrument :

MSVOA_X

ClientSampled :

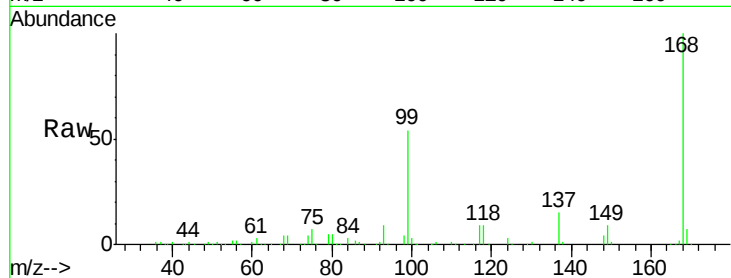
Tot Ion:117 Resp: 19444

Ion Ratio Lower Upper

117 100

119 4.4 73.8 110.8#

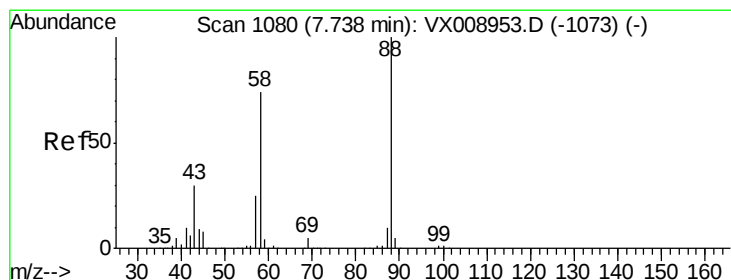
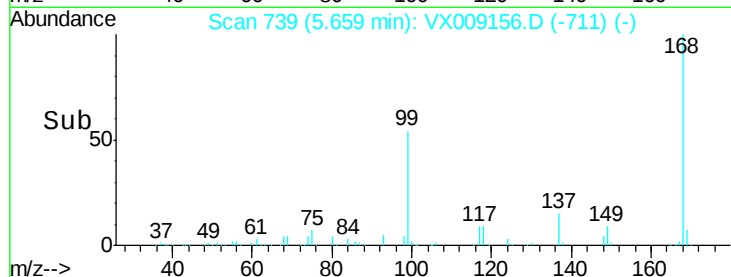
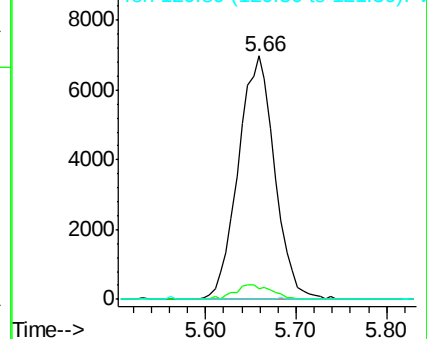
121 0.0 23.6 35.4#



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: 0.630 ug/l

RT: 7.79 min Scan# 1088

Delta R.T. 0.05 min

Lab File: VX009156.D

Acq: 25 Apr 2019 12:48

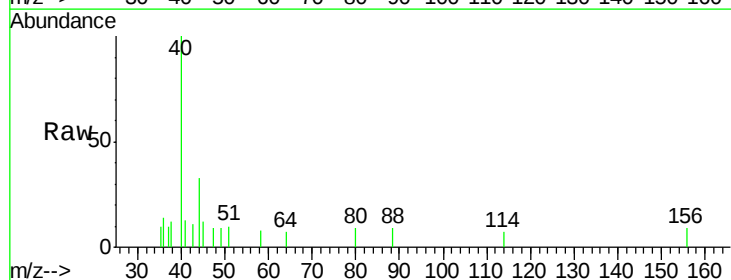
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 131.0 29.3 43.9#

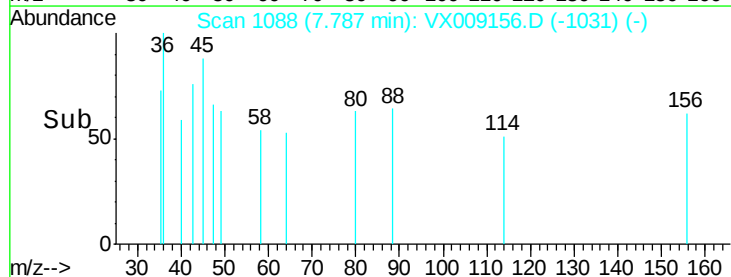
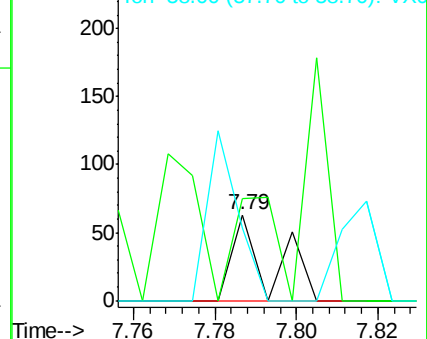
58 154.8 62.6 93.8#

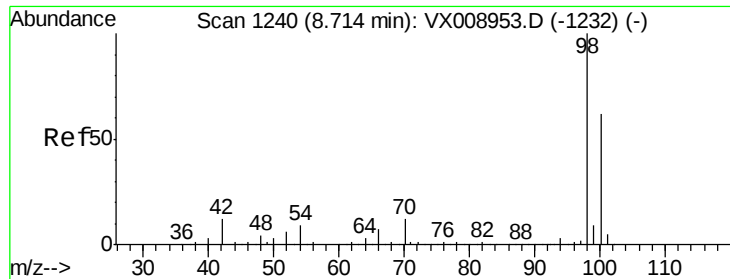


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.558 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009156.D

Acq: 25 Apr 2019 12:48

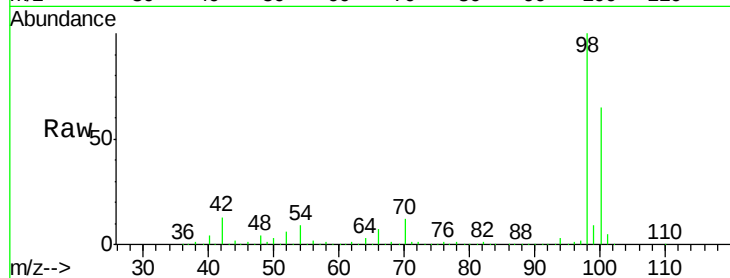
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 417756

Ion Ratio Lower Upper

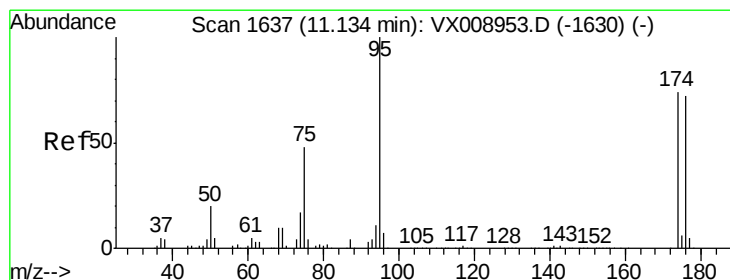
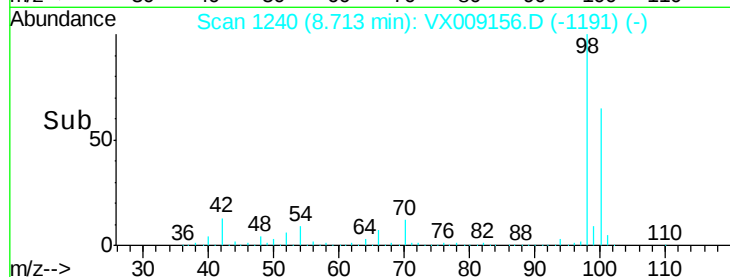
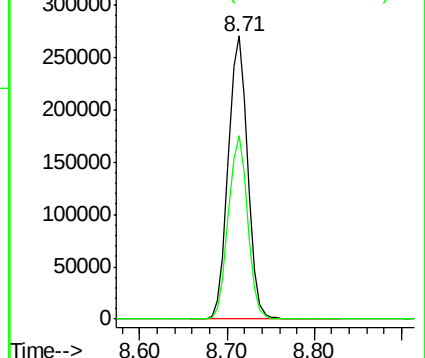
98 100

100 64.4 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 45.717 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009156.D

Acq: 25 Apr 2019 12:48

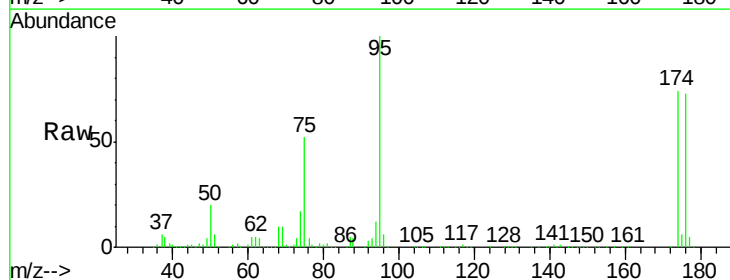
Tgt Ion: 95 Resp: 138842

Ion Ratio Lower Upper

95 100

174 79.5 0.0 159.6

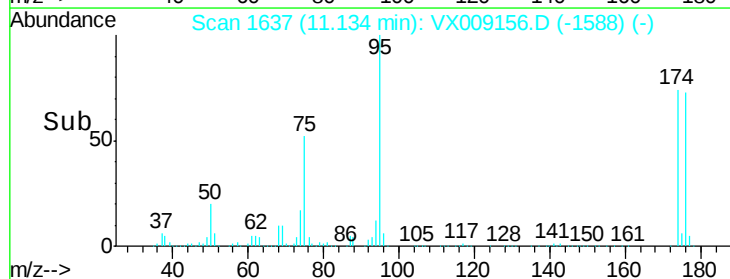
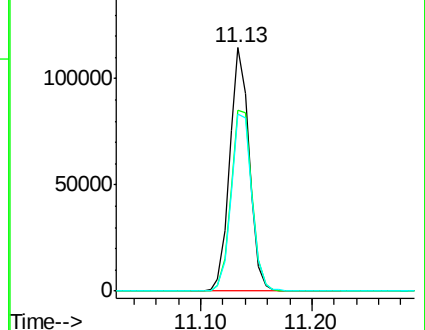
176 77.5 0.0 154.8

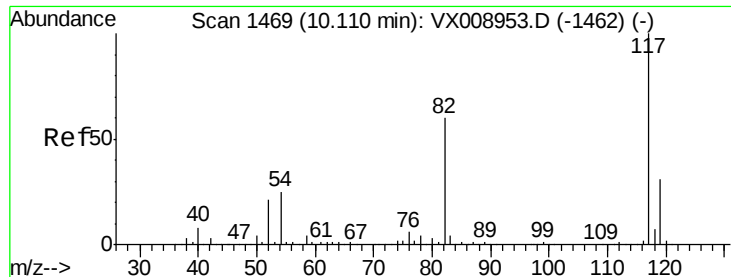


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

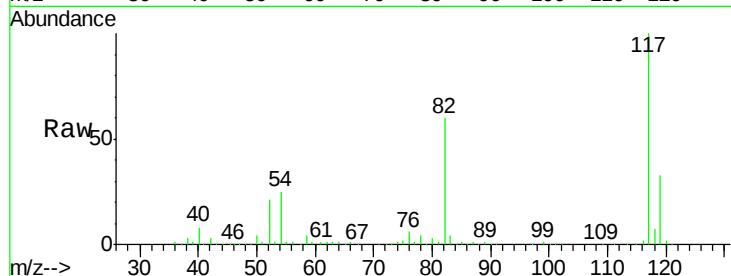




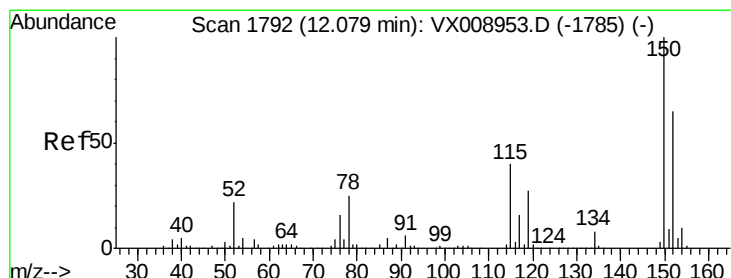
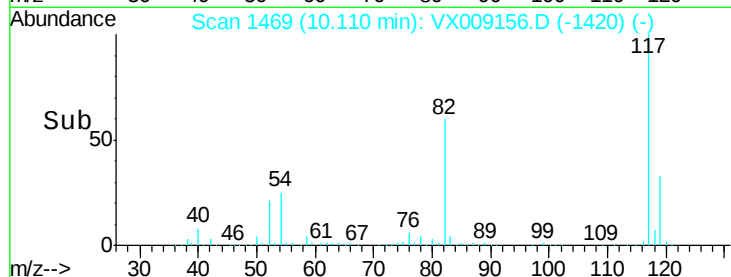
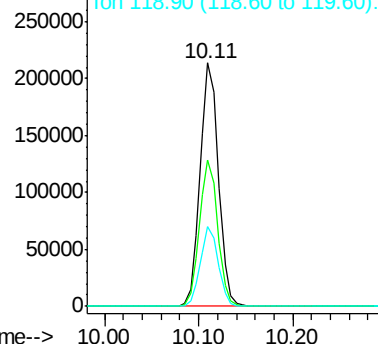
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009156.D
Acq: 25 Apr 2019 12:48

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 288955
Ion Ratio Lower Upper
117 100
82 60.1 48.2 72.4
119 32.5 25.0 37.6

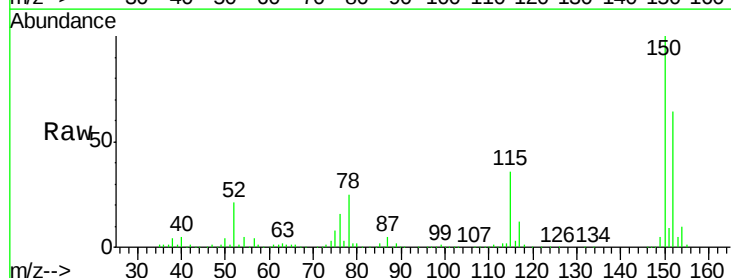


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

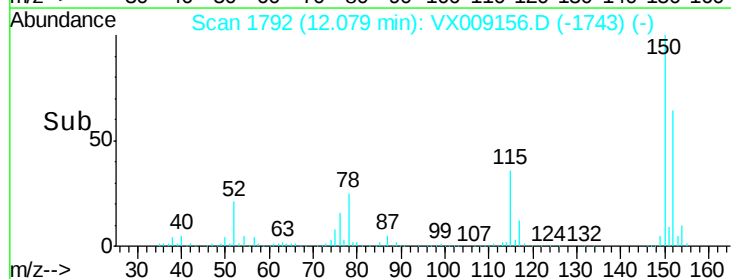
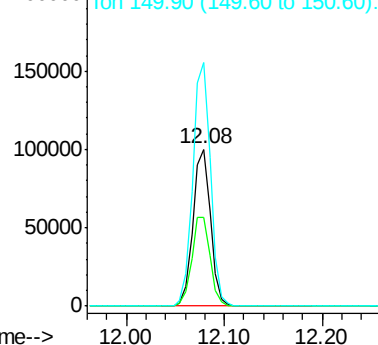


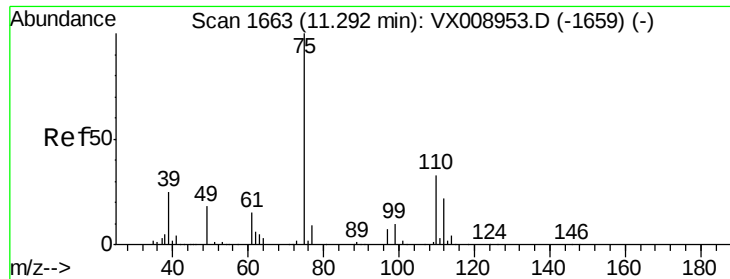
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009156.D
Acq: 25 Apr 2019 12:48

Tgt Ion:152 Resp: 124304
Ion Ratio Lower Upper
152 100
115 59.1 41.4 124.2
150 156.2 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: 23.311 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009156.D

Acq: 25 Apr 2019 12:48

Instrument :

MSVOA_X

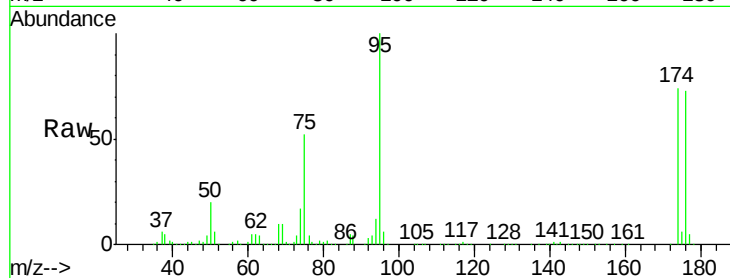
ClientSampleId :

Tot Ion: 75 Resp: 70754

Ion Ratio Lower Upper

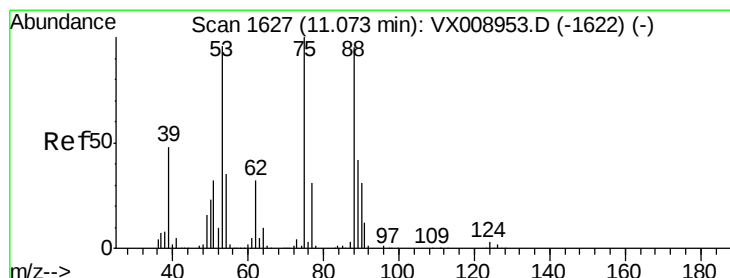
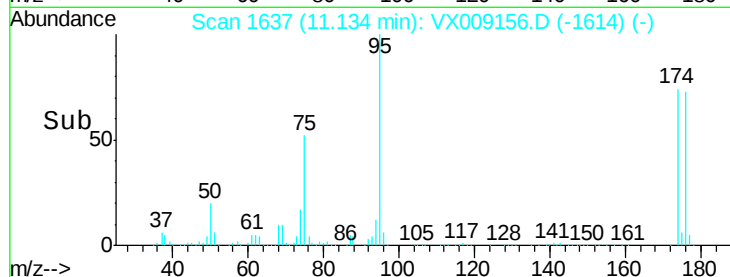
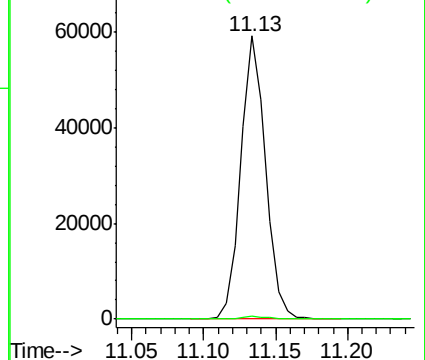
75 100

77 1.2 22.7 68.0#



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: 59.845 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009156.D

Acq: 25 Apr 2019 12:48

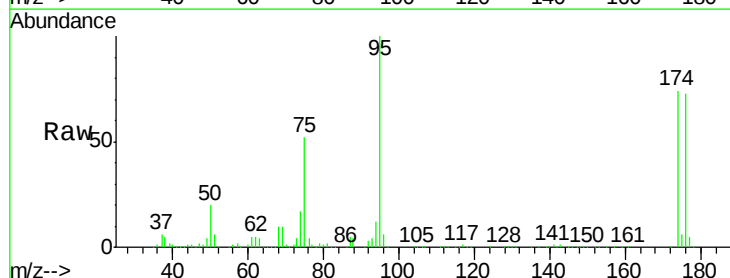
Tgt Ion: 75 Resp: 70754

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 36.0 54.0#



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

