

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022519\
 Data File : VX007669.D
 Acq On : 25 Feb 2019 13:13
 Operator : JC/SP
 Sample : VX0225WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBL01

Quant Time: Feb 26 02:15:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	372497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	641430	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	582867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	263145	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	228783	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
35) Dibromofluoromethane	5.50	113	208640	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
50) Toluene-d8	8.71	98	774886	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	
62) 4-Bromofluorobenzene	11.13	95	265616	44.09	ug/l	0.00
Spiked Amount			Recovery	=	88.18%	

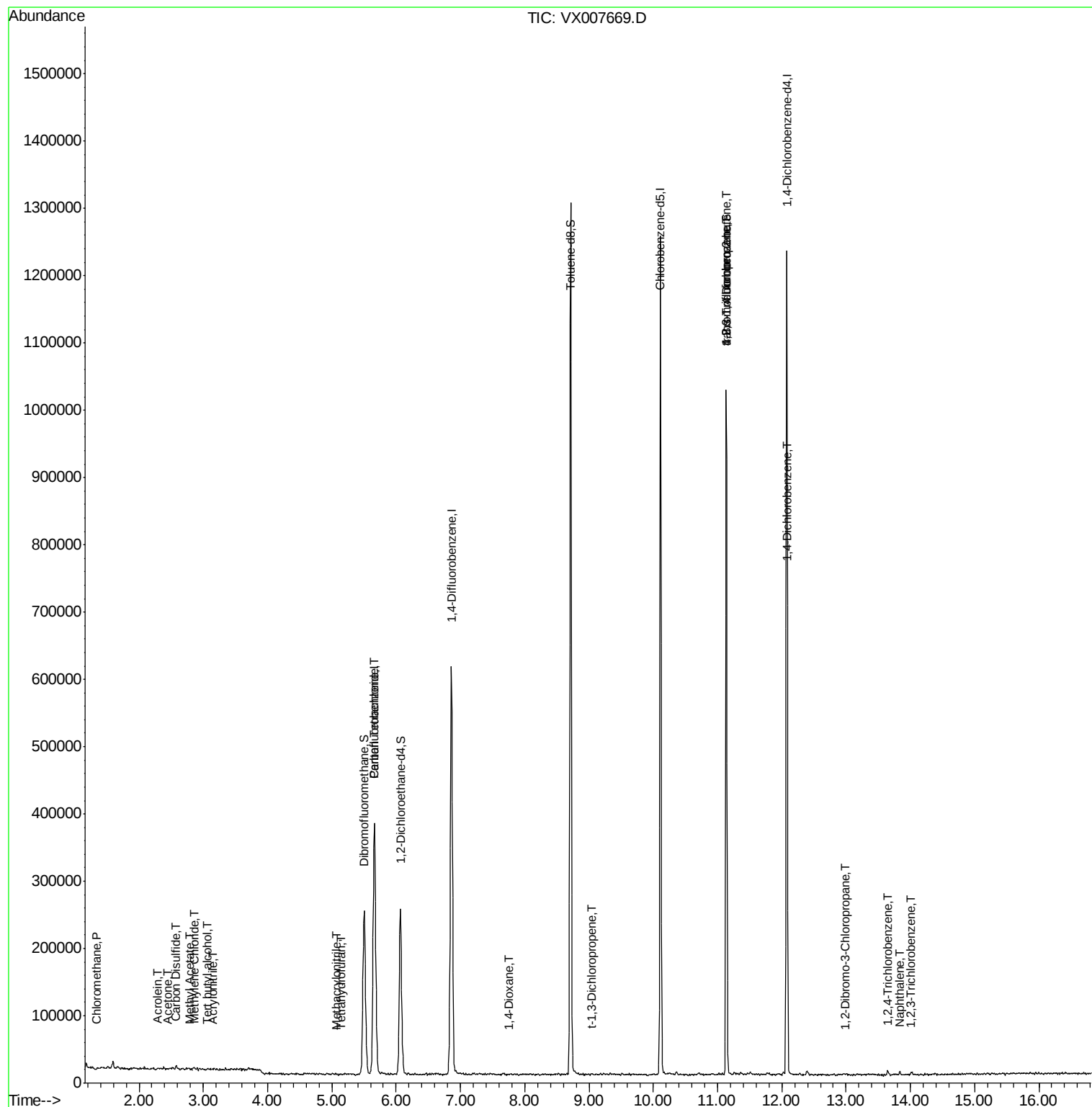
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	789	0.207	ug/l #	34
5) Bromomethane	1.65	94	1189	Below Cal	#	4
11) Tert butyl alcohol	3.06	59	459	0.524	ug/l #	1
13) Acrolein	2.29	56	251	0.323	ug/l #	1
15) Acrylonitrile	3.15	53	1341	0.651	ug/l #	77
16) Acetone	2.44	43	1022	0.498	ug/l	100
17) Carbon Disulfide	2.58	76	5235	0.578	ug/l #	78
18) Methyl Acetate	2.78	43	1804	0.403	ug/l #	51
20) Methylene Chloride	2.85	84	1211	0.320	ug/l #	81
29) Tetrahydrofuran	5.15	42	474	0.230	ug/l #	25
38) Carbon Tetrachloride	5.67	117	36200	6.249	ug/l #	17
41) Methacrylonitrile	5.07	41	773	0.226	ug/l #	31
49) 1,4-Dioxane	7.76	88	486	4.354	ug/l #	38
53) t-1,3-Dichloropropene	9.04	75	835	2.916	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	130300	23.230	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	130300	61.513	ug/l #	9
88) 1,4-Dichlorobenzene	12.09	146	2230	0.249	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	12.99	75	378	0.267	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.65	180	1163	0.218	ug/l #	79
95) Naphthalene	13.83	128	4189	0.242	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.01	180	1141	0.213	ug/l	95

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007669.D

Acq: 25 Feb 2019 13:13

Instrument :

MSVOA_X

ClientSampled :

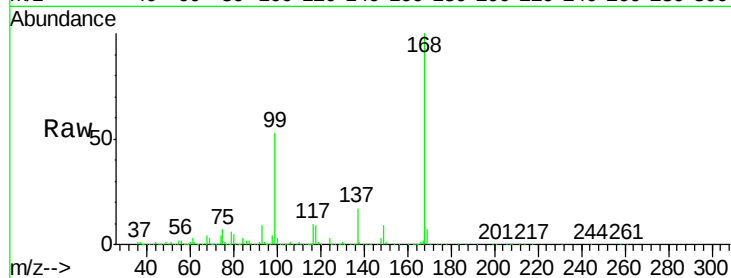
VX0225WBL01

Tot Ion:168 Resp: 372497

Ion Ratio Lower Upper

168 100

99 53.2 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

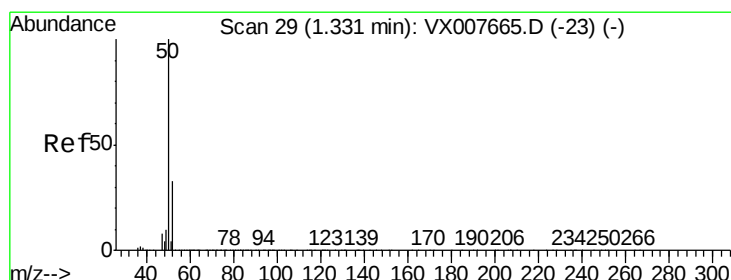
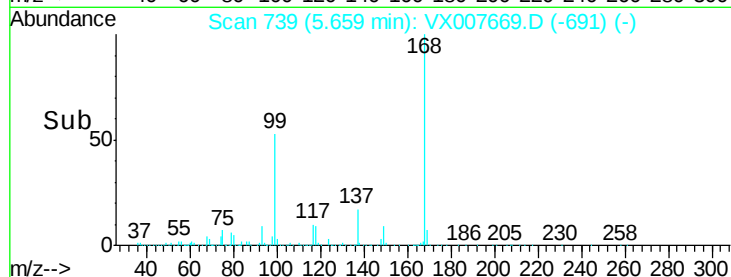
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.207 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007669.D

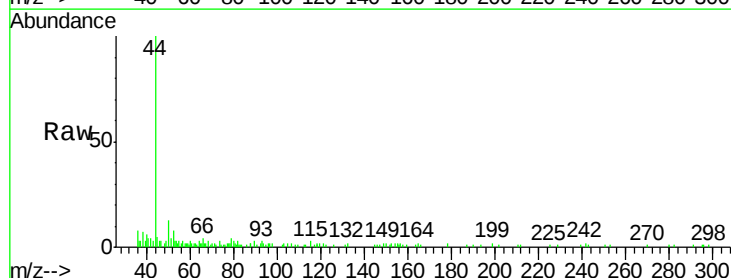
Acq: 25 Feb 2019 13:13

Tgt Ion: 50 Resp: 789

Ion Ratio Lower Upper

50 100

52 69.9 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

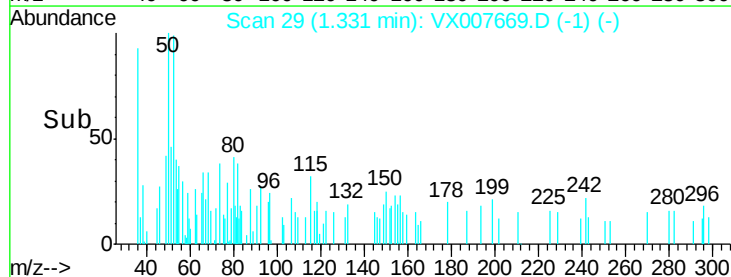
600

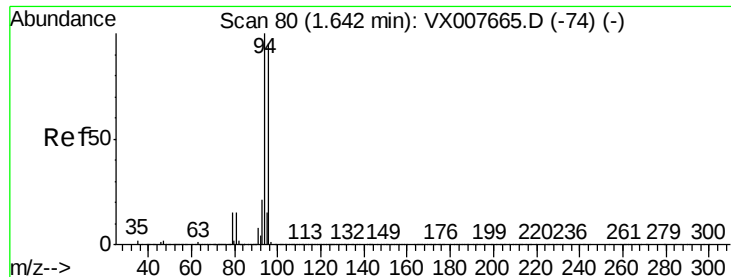
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007669.D

Acq: 25 Feb 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

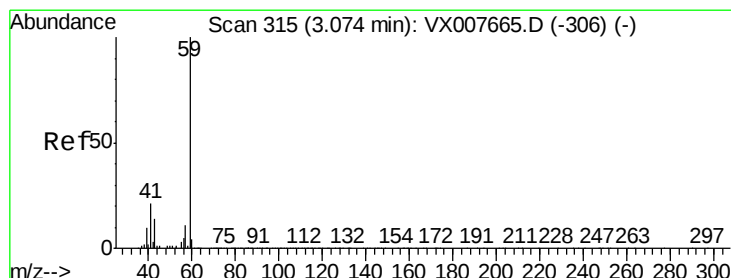
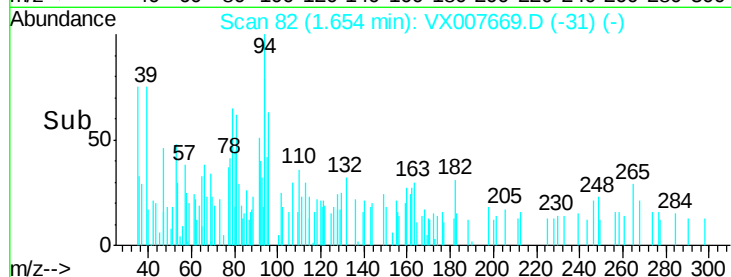
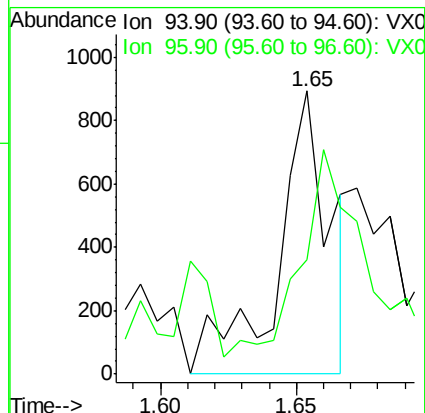
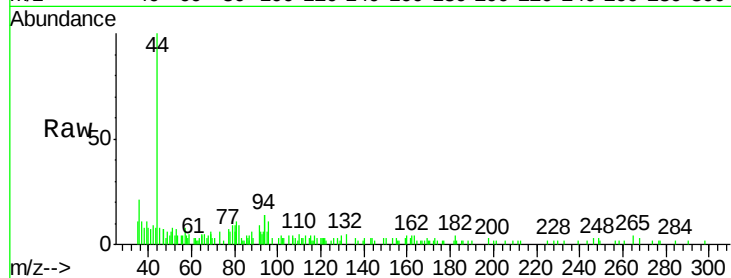
VX0225WBL01

Tot Ion: 94 Resp: 1189

Ion Ratio Lower Upper

94 100

96 0.2 73.9 110.9#



#11

Tert butyl alcohol

Concen: 0.524 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX007669.D

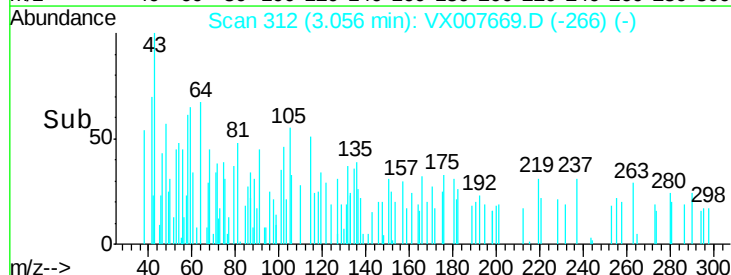
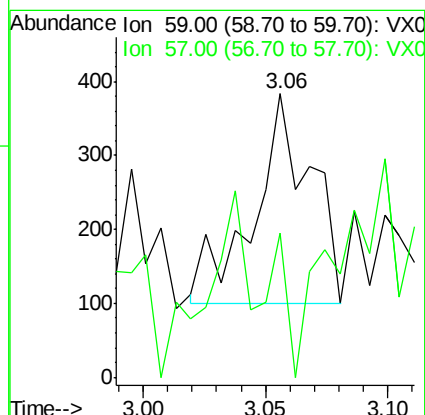
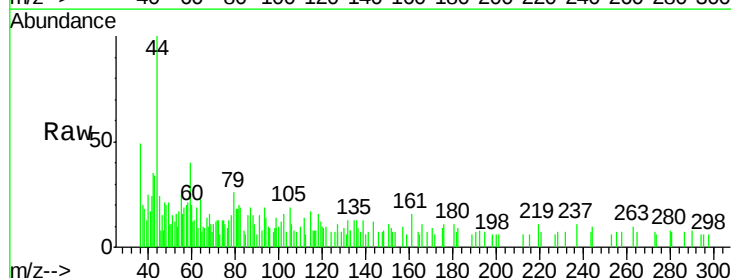
Acq: 25 Feb 2019 13:13

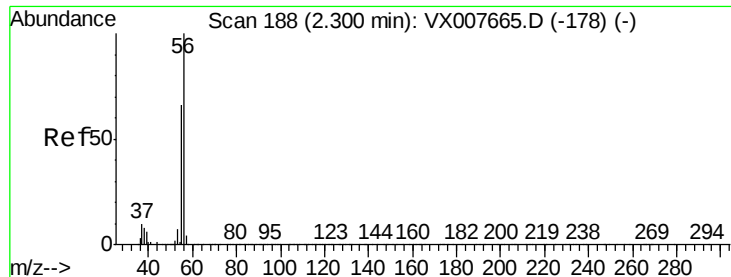
Tgt Ion: 59 Resp: 459

Ion Ratio Lower Upper

59 100

57 70.2 8.1 12.1#





#13

Acrolein

Concen: 0.323 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX007669.D

Acq: 25 Feb 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

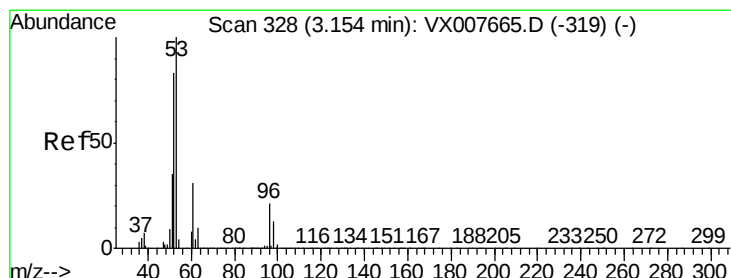
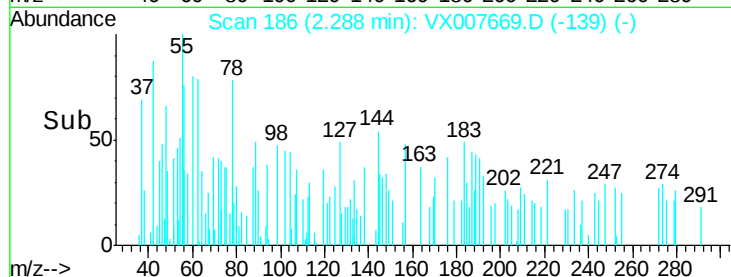
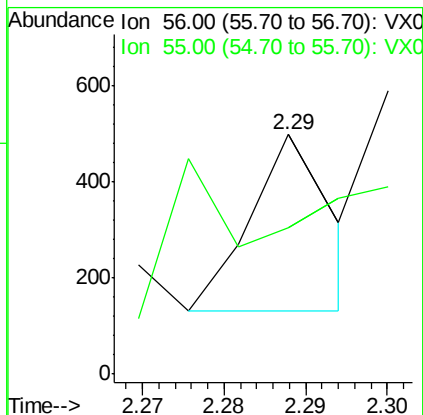
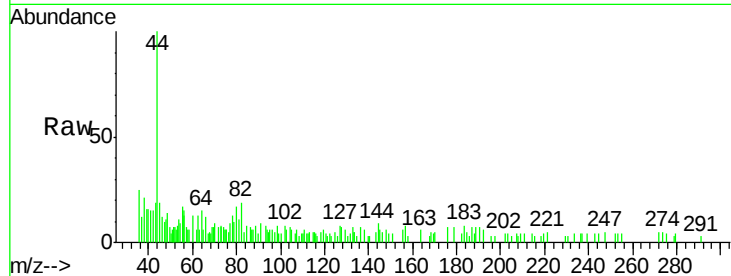
VX0225WBL01

Tot Ion: 56 Resp: 251

Ion Ratio Lower Upper

56 100

55 157.4 56.9 85.3#



#15

Acrylonitrile

Concen: 0.651 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007669.D

Acq: 25 Feb 2019 13:13

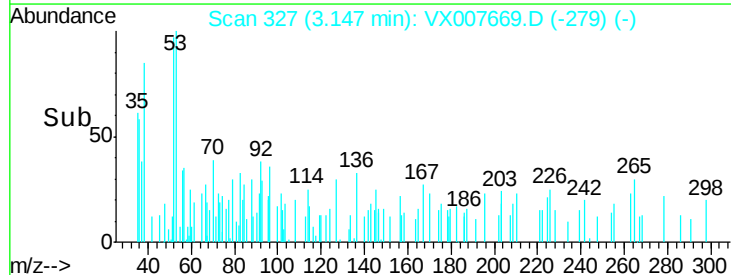
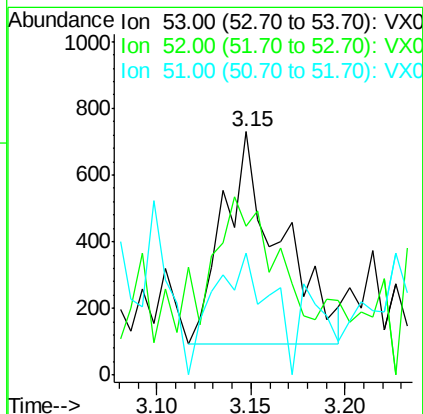
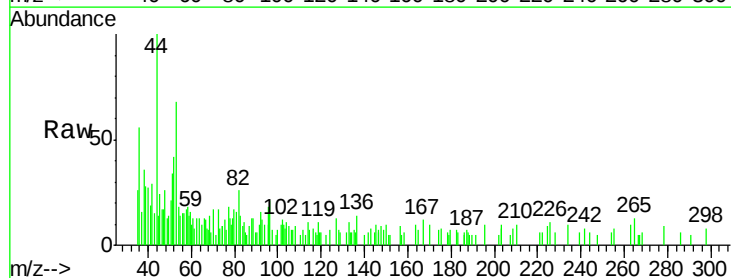
Tgt Ion: 53 Resp: 1341

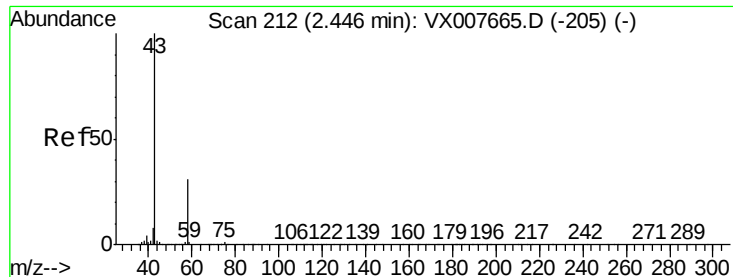
Ion Ratio Lower Upper

53 100

52 67.2 66.4 99.6

51 56.2 28.4 42.6#





#16

Acetone

Concen: 0.498 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX007669.D

Acq: 25 Feb 2019 13:13

Instrument :

MSVOA_X

ClientSampled :

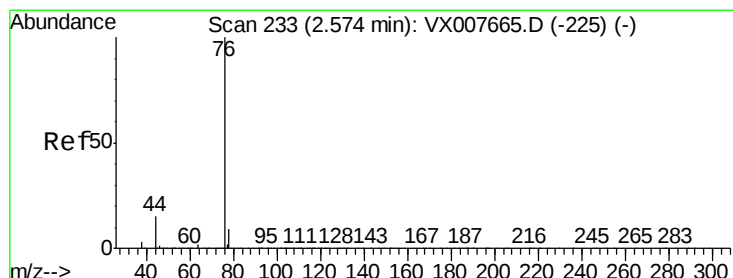
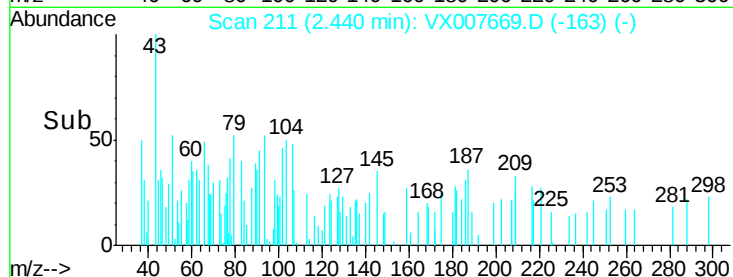
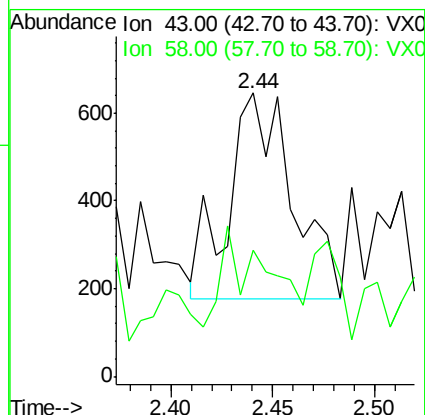
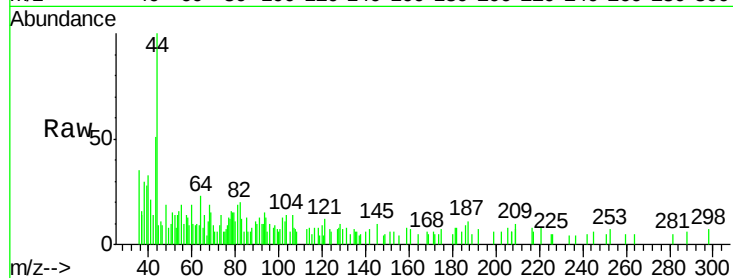
VX0225WBL01

Tot Ion: 43 Resp: 1022

Ion Ratio Lower Upper

43 100

58 30.9 24.9 37.3



#17

Carbon Disulfide

Concen: 0.578 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX007669.D

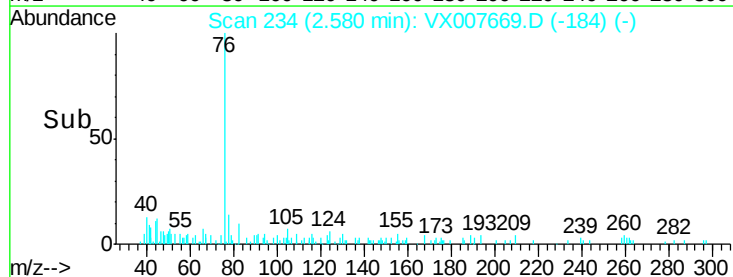
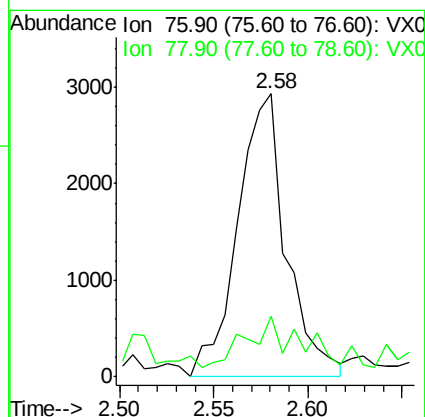
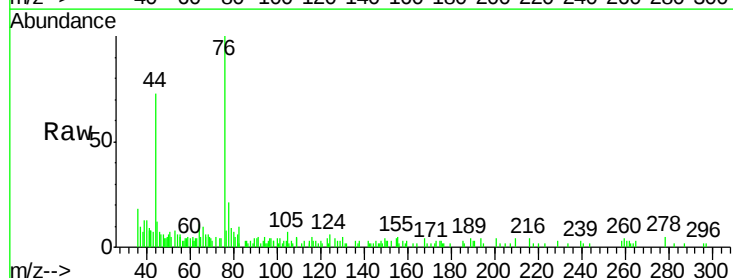
Acq: 25 Feb 2019 13:13

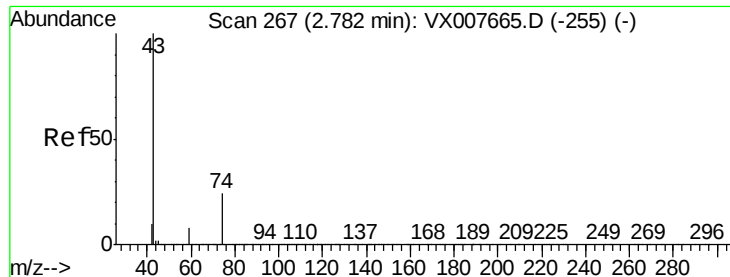
Tgt Ion: 76 Resp: 5235

Ion Ratio Lower Upper

76 100

78 16.8 7.1 10.7#

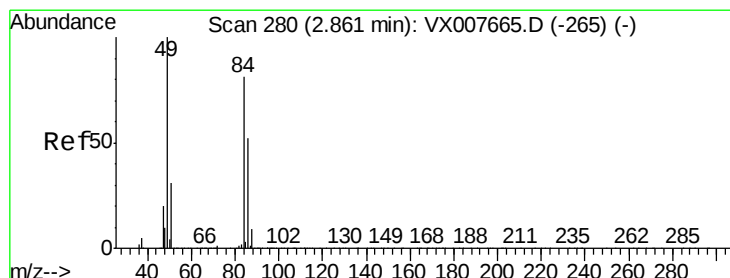
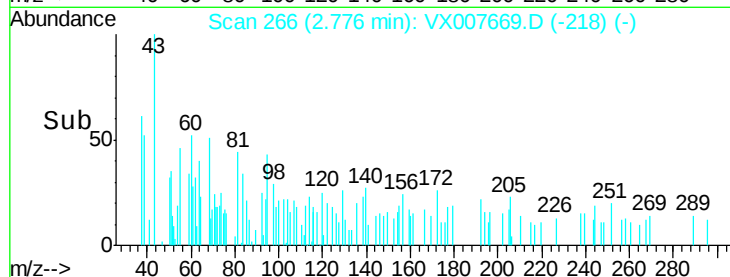
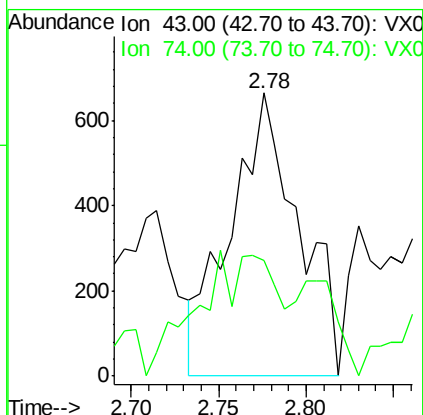
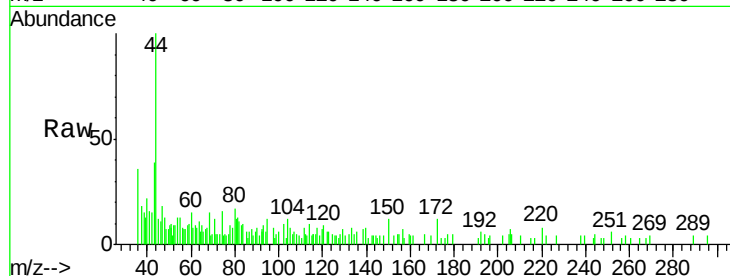




#18
Methyl Acetate
Concen: 0.403 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007669.D
Acq: 25 Feb 2019 13:13

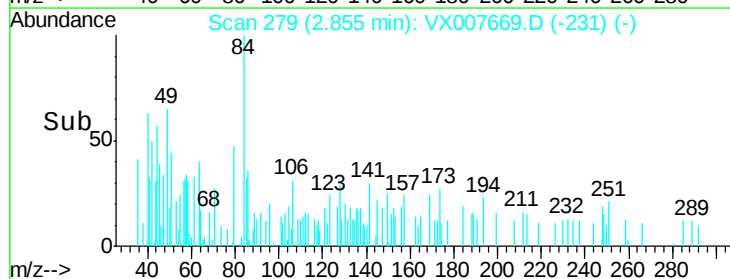
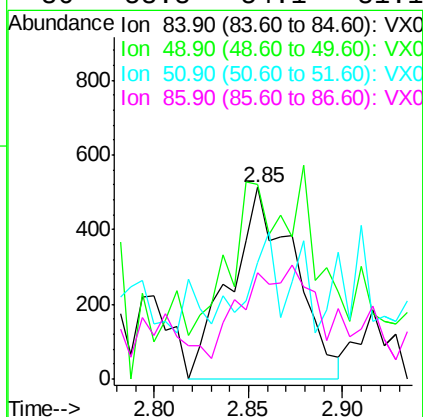
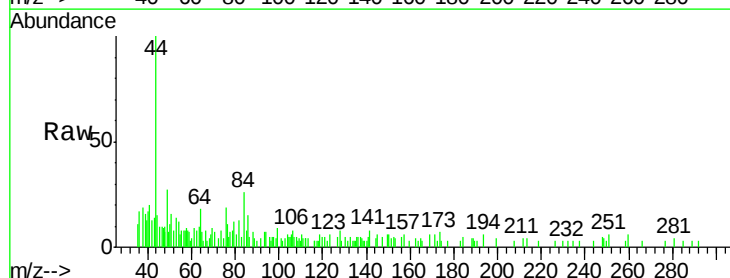
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBL01

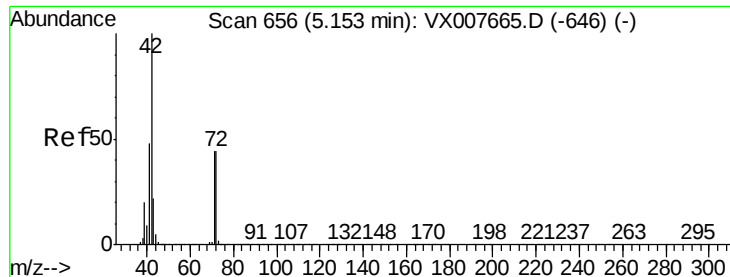
Tot Ion: 43 Resp: 1804
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: 0.320 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007669.D
Acq: 25 Feb 2019 13:13

Tgt Ion: 84 Resp: 1211
Ion Ratio Lower Upper
84 100
49 103.3 94.8 142.2
51 8.4 29.8 44.8#
86 58.8 54.1 81.1





#29

Tetrahydrofuran

Concen: 0.230 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX007669.D

Acq: 25 Feb 2019 13:13

Instrument :

MSVOA_X

ClientSampled :

VX0225WBL01

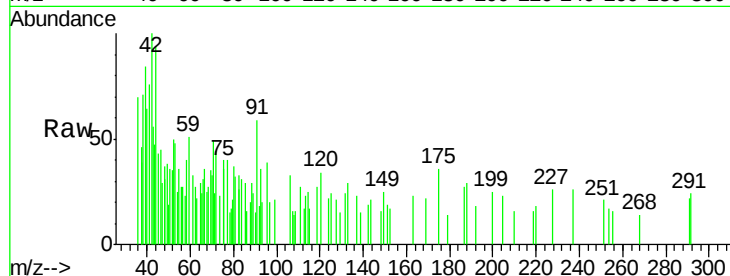
Tot Ion: 42 Resp: 474

Ion Ratio Lower Upper

42 100

72 123.4 37.6 56.4#

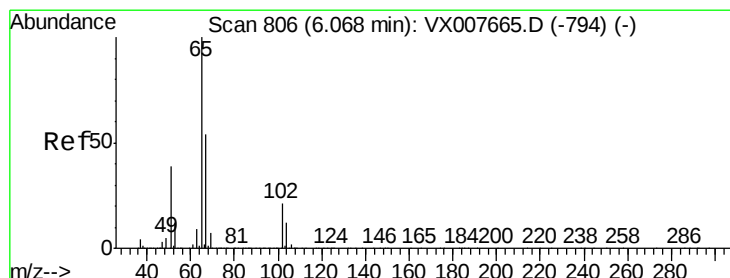
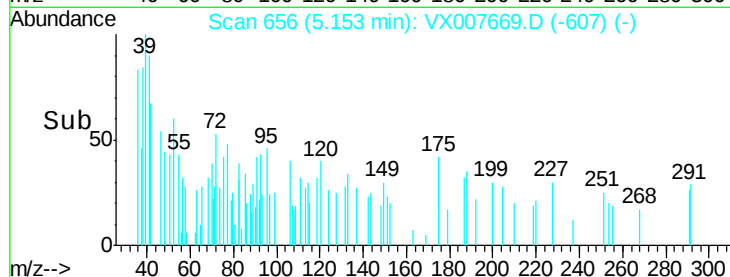
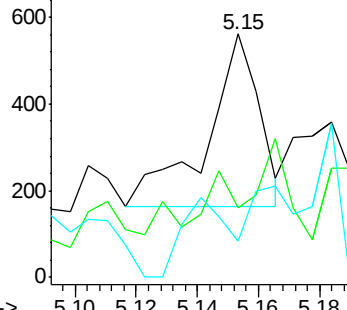
71 23.2 34.6 51.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.584 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007669.D

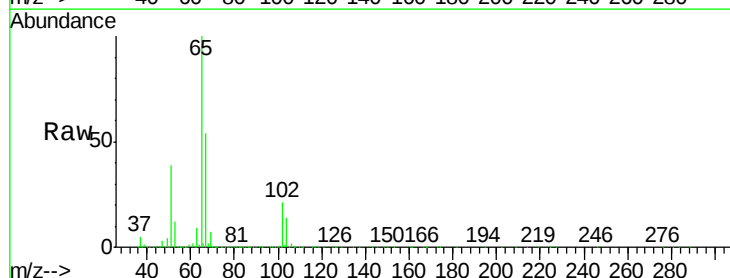
Acq: 25 Feb 2019 13:13

Tgt Ion: 65 Resp: 228783

Ion Ratio Lower Upper

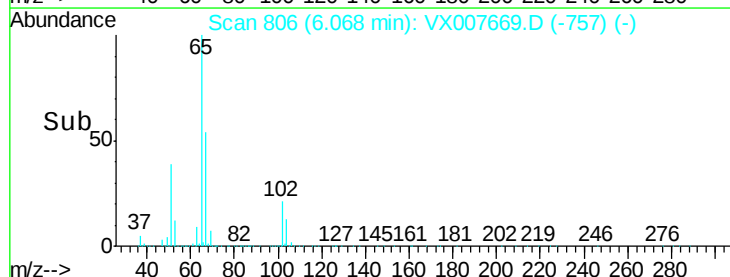
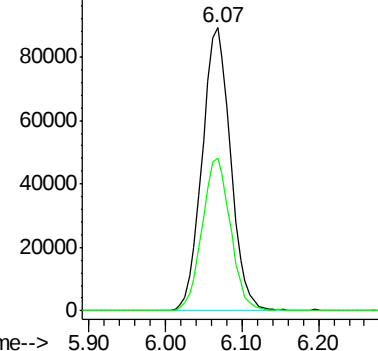
65 100

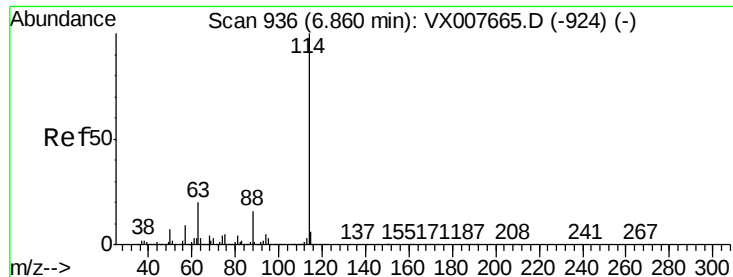
67 53.3 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007669.D

Acq: 25 Feb 2019 13:13

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ClientSampleId :

VX0225WBL01

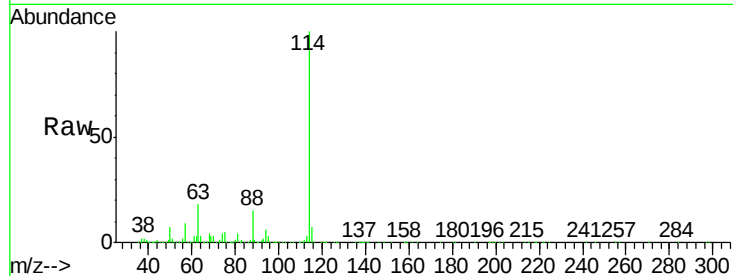
Tot Ion:114 Resp: 641430

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.6

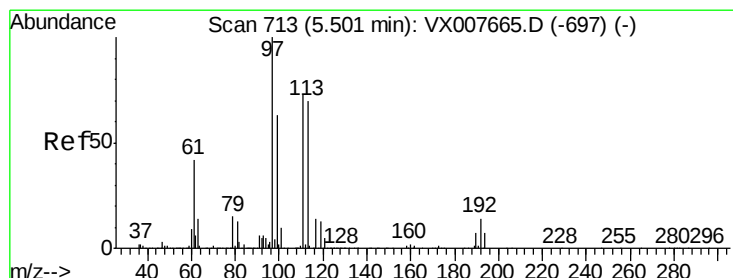
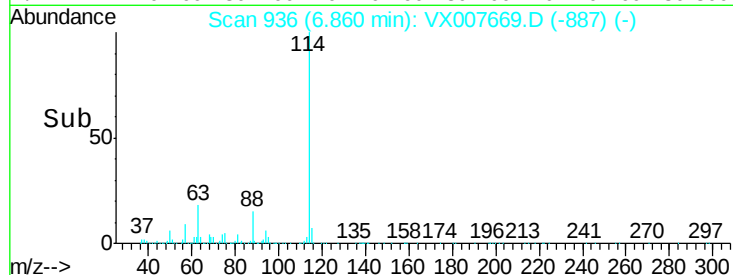
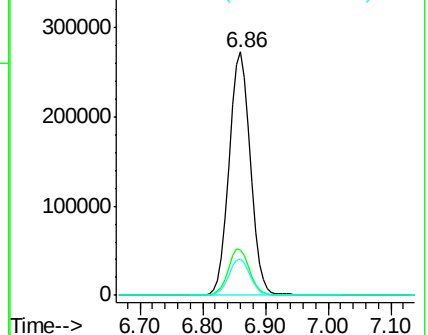
88 15.0 0.0 29.6



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: 48.659 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007669.D

Acq: 25 Feb 2019 13:13

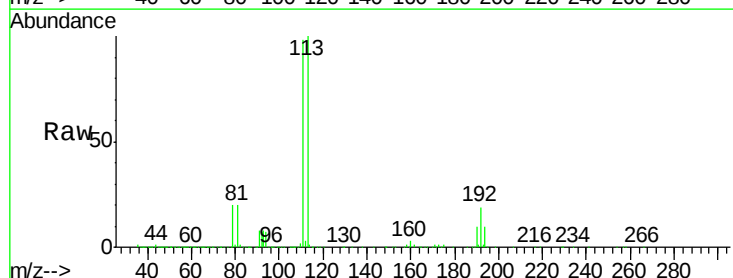
Tgt Ion:113 Resp: 208640

Ion Ratio Lower Upper

113 100

111 101.0 81.8 122.8

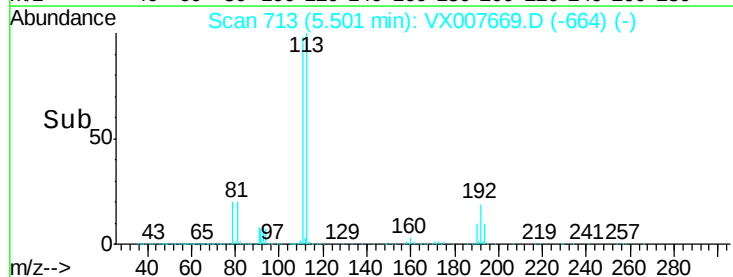
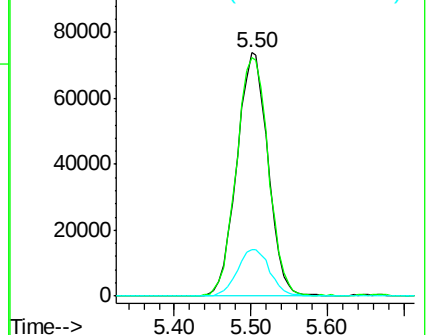
192 20.1 18.5 27.7

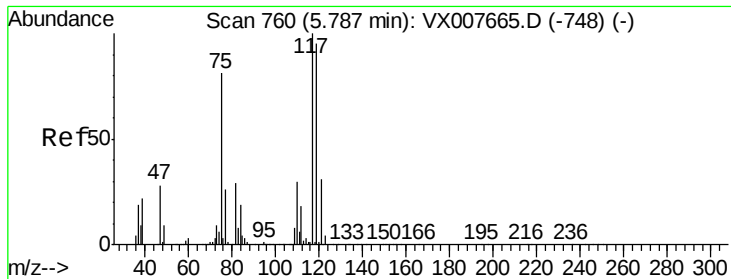


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 6.249 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007669.D

Acq: 25 Feb 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBL01

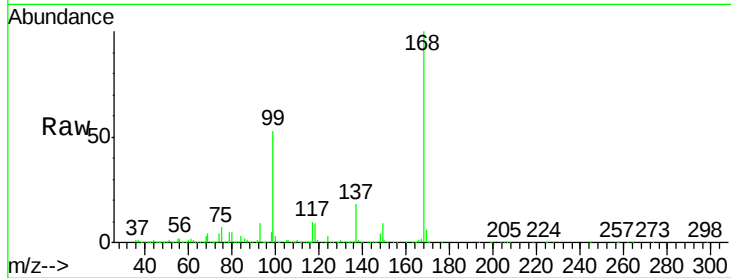
Tot Ion:117 Resp: 36200

Ion Ratio Lower Upper

117 100

119 5.5 75.3 112.9#

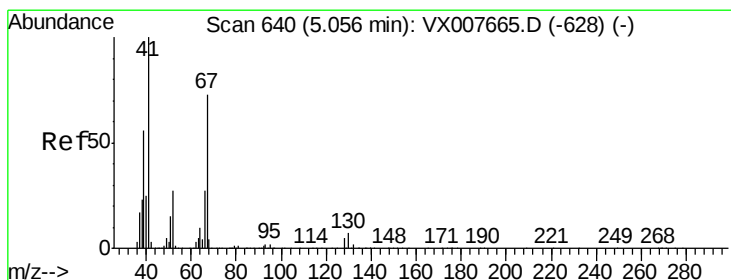
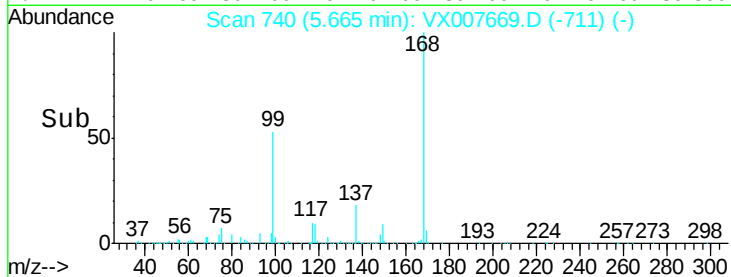
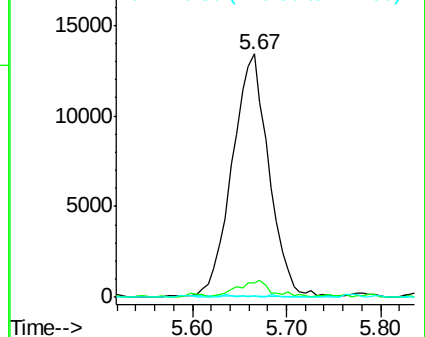
121 0.1 25.0 37.4#



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



#41

Methacrylonitrile

Concen: 0.226 ug/l

RT: 5.07 min Scan# 642

Delta R.T. 0.01 min

Lab File: VX007669.D

Acq: 25 Feb 2019 13:13

Tgt Ion: 41 Resp: 773

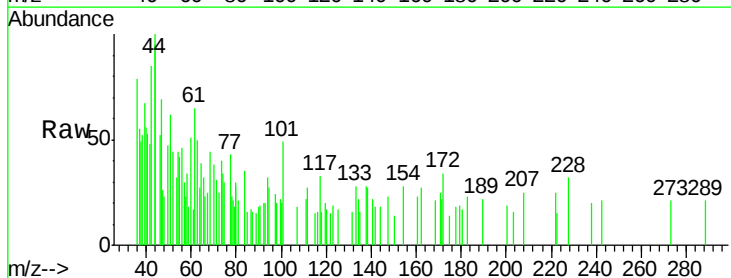
Ion Ratio Lower Upper

41 100

39 0.0 44.5 66.7#

67 0.0 60.4 90.6#

52 27.4 24.1 36.1

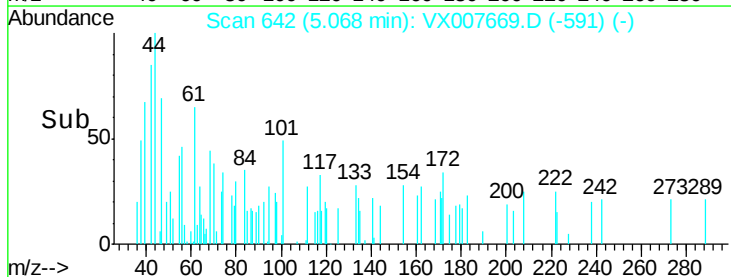
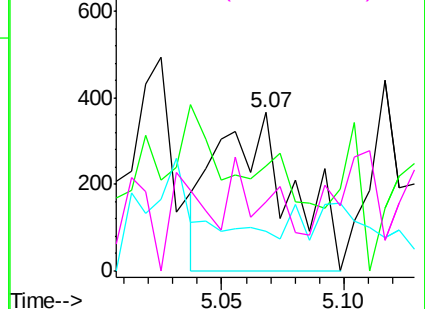


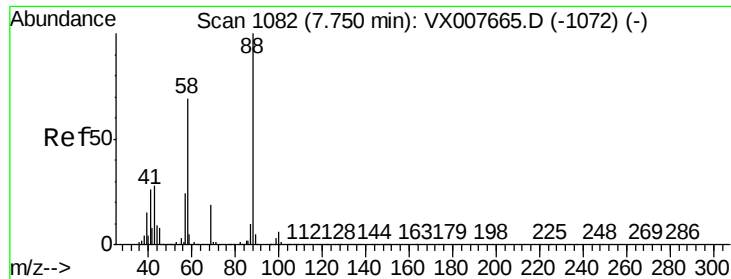
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#49

1,4-Dioxane

Concen: 4.354 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX007669.D

Acq: 25 Feb 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBL01

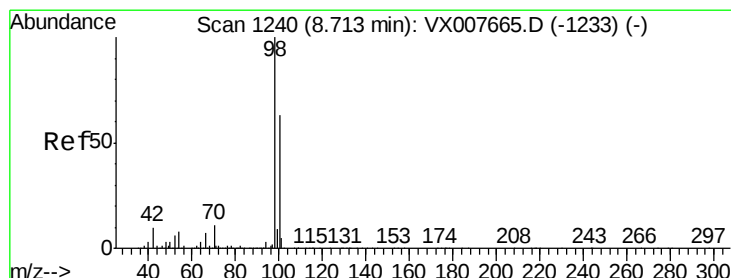
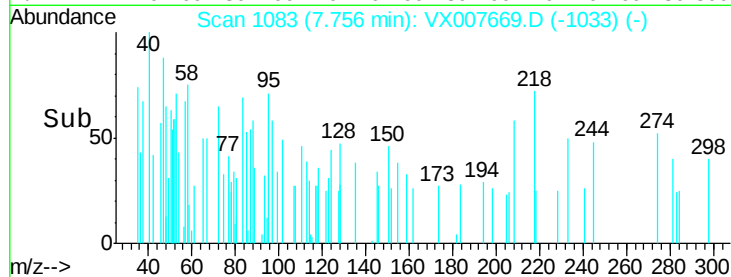
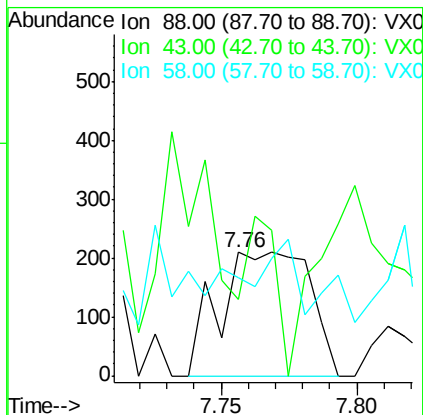
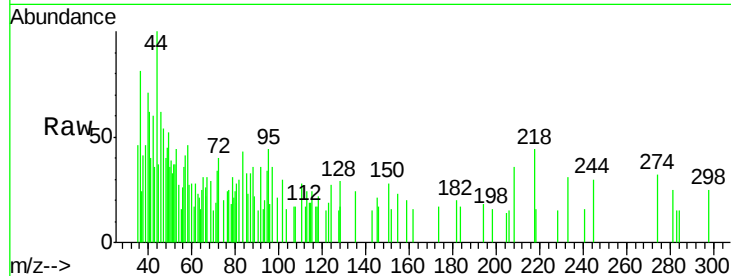
Tot Ion: 88 Resp: 486

Ion Ratio Lower Upper

88 100

43 39.1 24.2 36.4#

58 0.0 53.0 79.4#



#50

Toluene-d8

Concen: 47.205 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007669.D

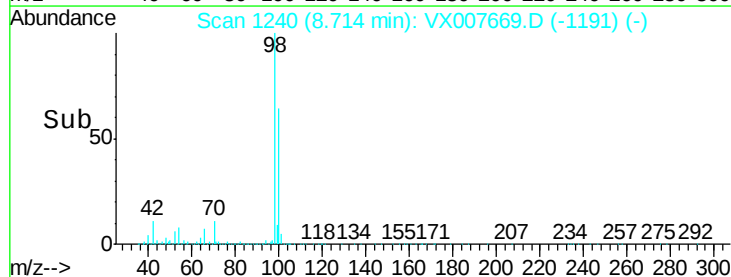
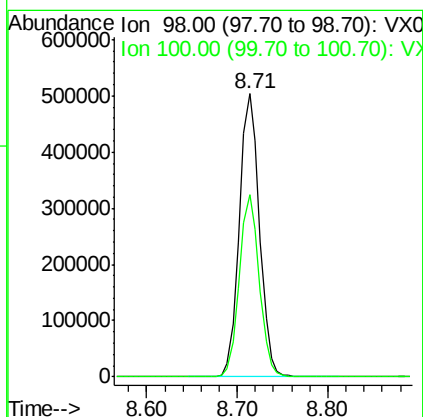
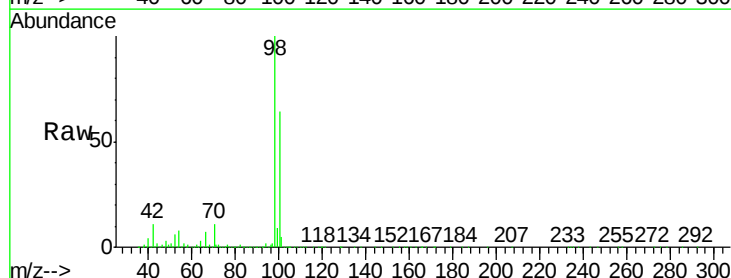
Acq: 25 Feb 2019 13:13

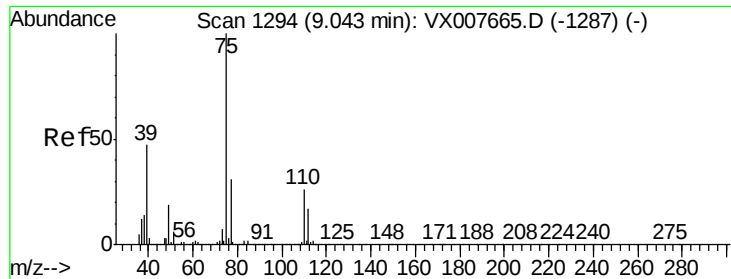
Tgt Ion: 98 Resp: 774886

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4





#53

t-1,3-Dichloropropene

Concen: 2.916 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007669.D

Acq: 25 Feb 2019 13:13

Instrument :

MSVOA_X

ClientSampled :

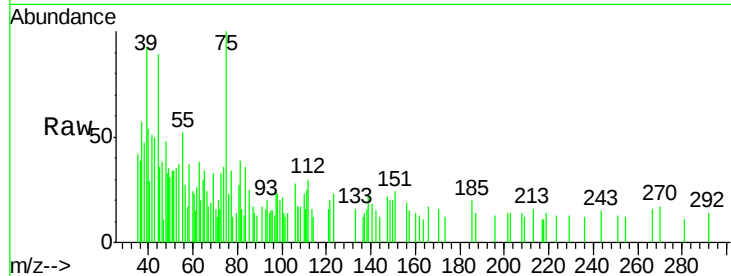
VX0225WBL01

Tot Ion: 75 Resp: 835

Ion Ratio Lower Upper

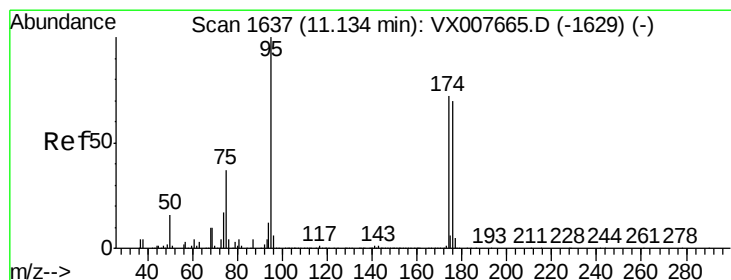
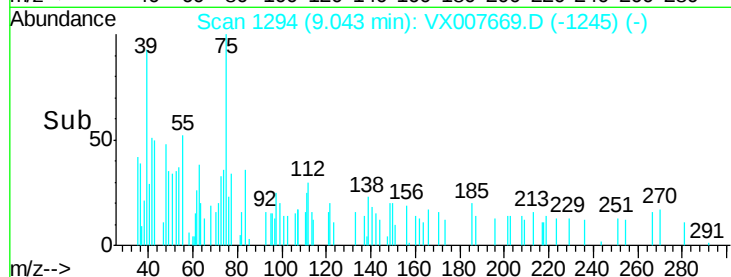
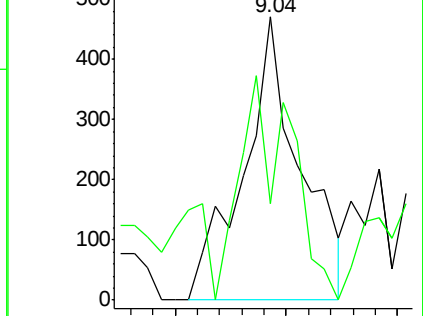
75 100

77 34.0 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#62

4-Bromofluorobenzene

Concen: 44.086 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007669.D

Acq: 25 Feb 2019 13:13

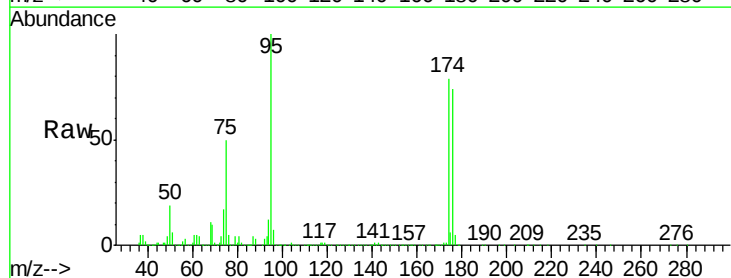
Tgt Ion: 95 Resp: 265616

Ion Ratio Lower Upper

95 100

174 83.1 0.0 189.2

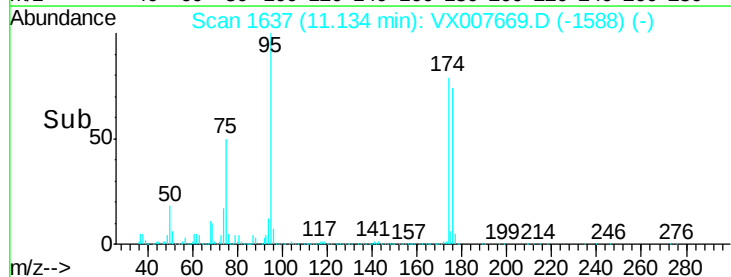
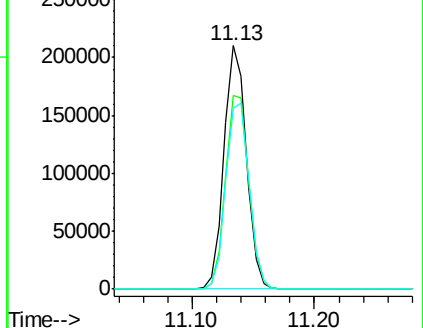
176 80.4 0.0 186.2

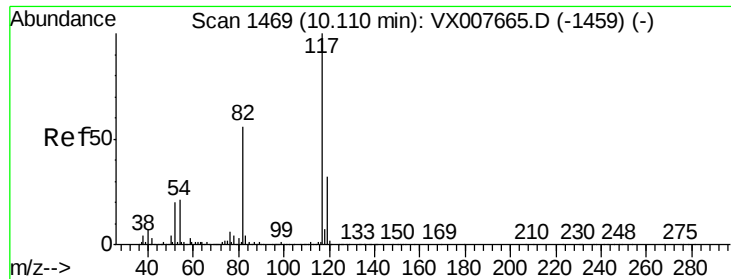


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

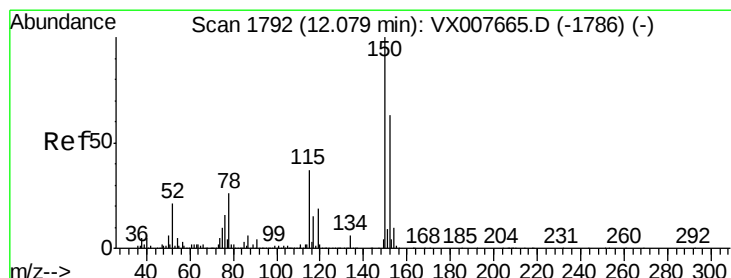
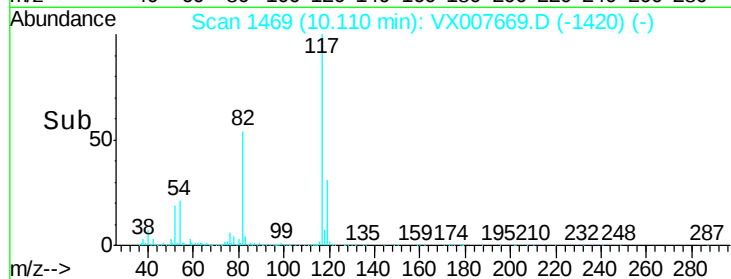
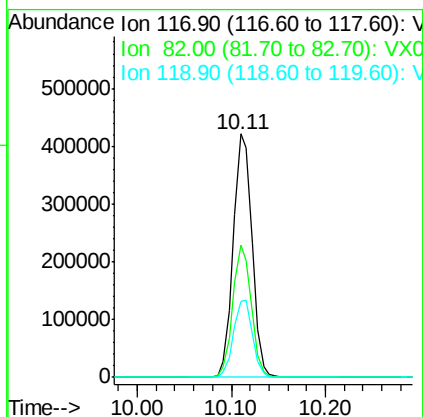
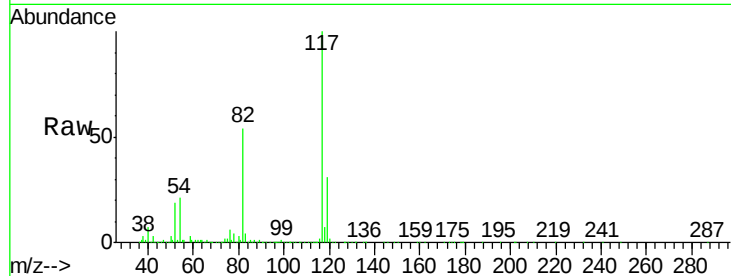




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007669.D
Acq: 25 Feb 2019 13:13

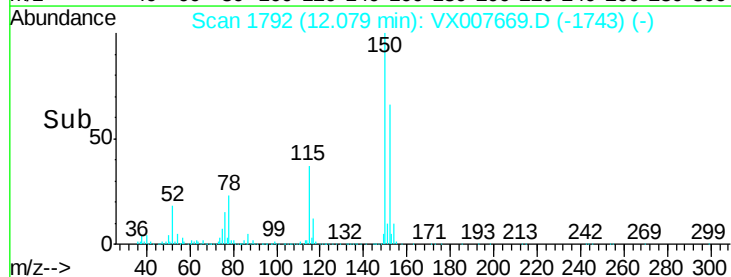
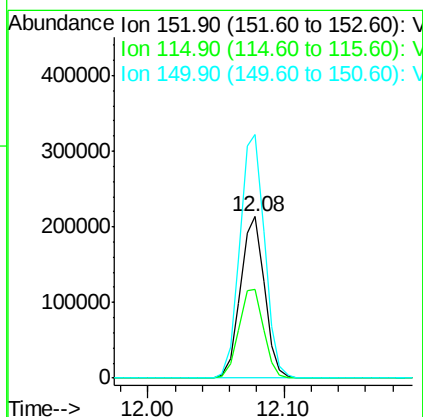
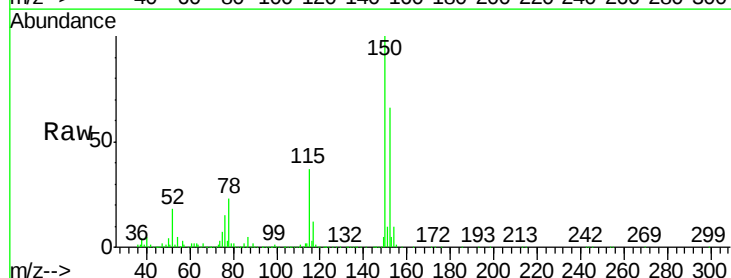
Instrument :
MSVOA_X
ClientSampled :
VX0225WBL01

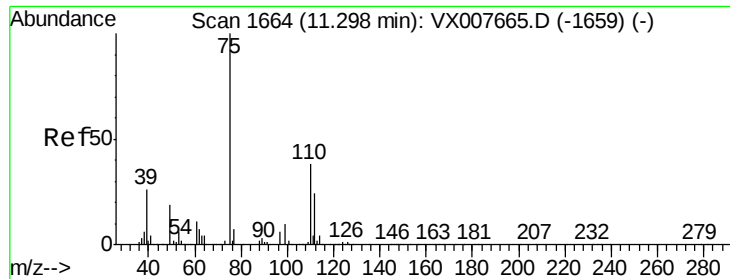
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.1	63.1
119	31.1	26.5	39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007669.D
Acq: 25 Feb 2019 13:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	38.0	114.0
150	155.1	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 23.230 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007669.D

Acq: 25 Feb 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

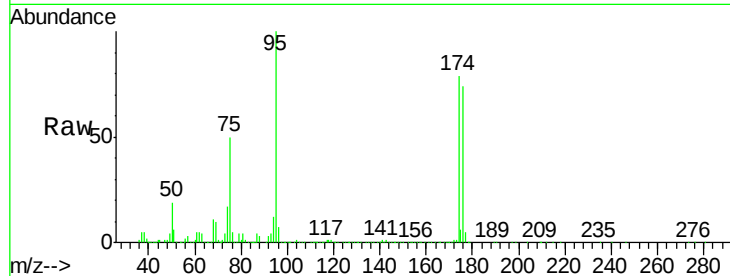
VX0225WBL01

Tot Ion: 75 Resp: 130300

Ion Ratio Lower Upper

75 100

77 1.7 23.0 69.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

120000

100000

80000

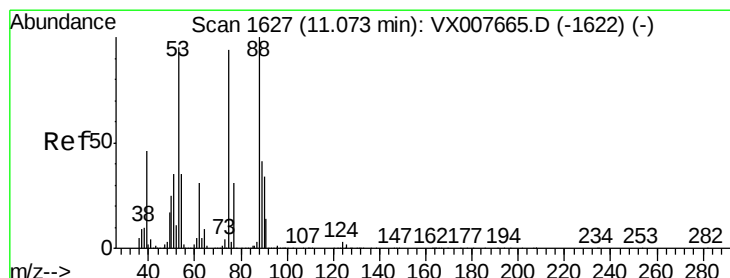
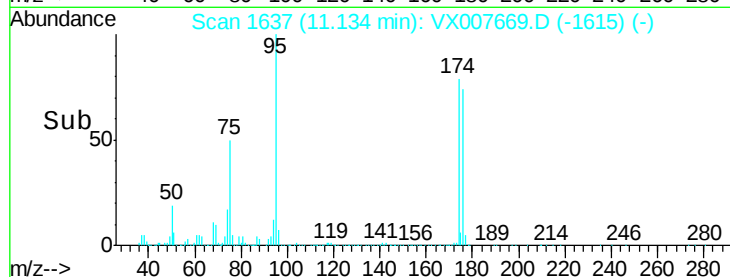
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 61.513 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007669.D

Acq: 25 Feb 2019 13:13

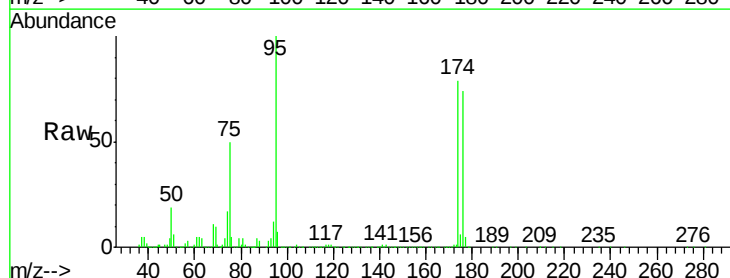
Tgt Ion: 75 Resp: 130300

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.0 41.4 62.0#



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

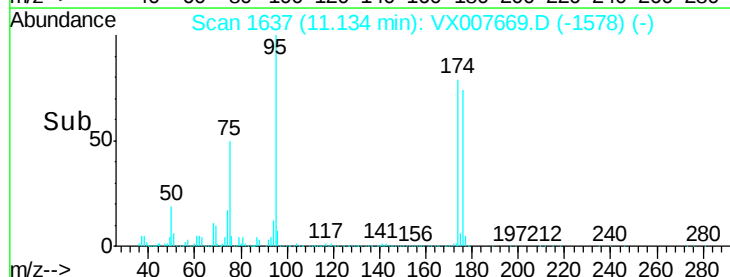
11.13

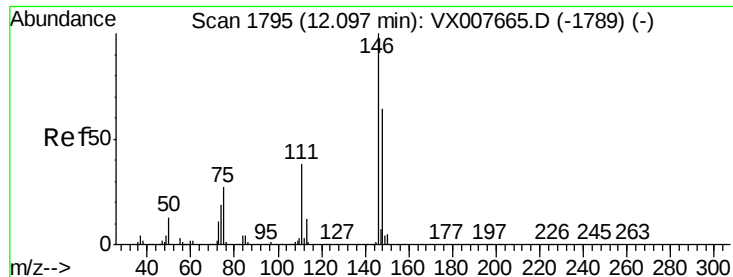
100000

50000

0

Time-->





#88

1,4-Dichlorobenzene

Concen: 0.249 ug/l

RT: 12.09 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VX007669.D

Acq: 25 Feb 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBL01

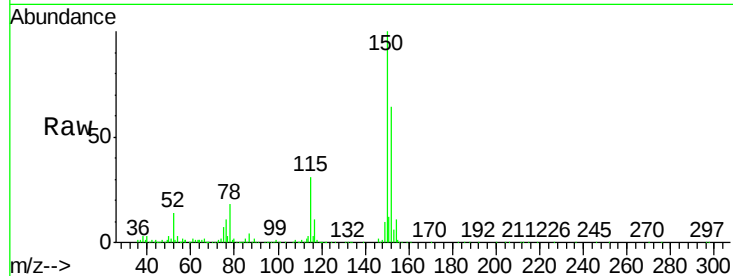
Tot Ion:146 Resp: 2230

Ion Ratio Lower Upper

146 100

111 207.3 18.1 54.1#

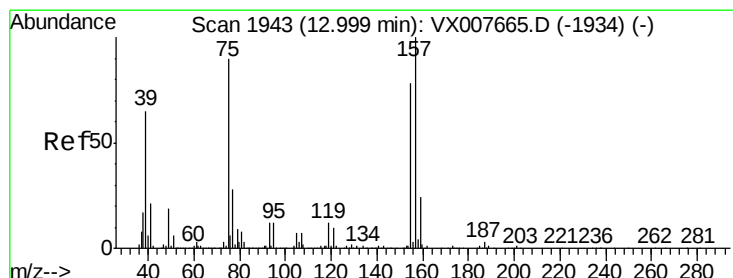
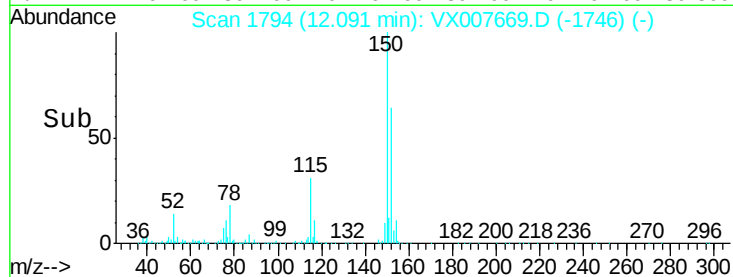
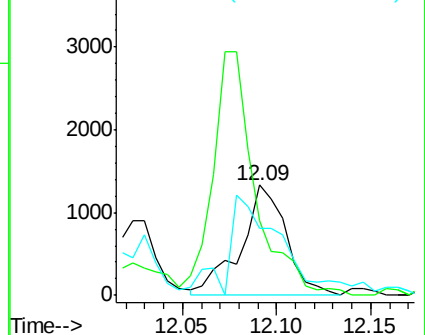
148 115.0 32.3 96.9#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.267 ug/l

RT: 12.99 min Scan# 1942

Delta R.T. -0.01 min

Lab File: VX007669.D

Acq: 25 Feb 2019 13:13

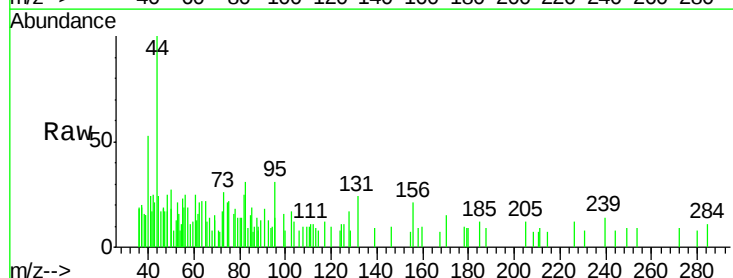
Tgt Ion: 75 Resp: 378

Ion Ratio Lower Upper

75 100

155 0.0 49.6 149.0#

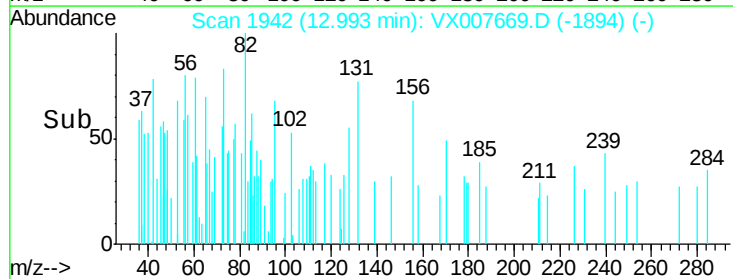
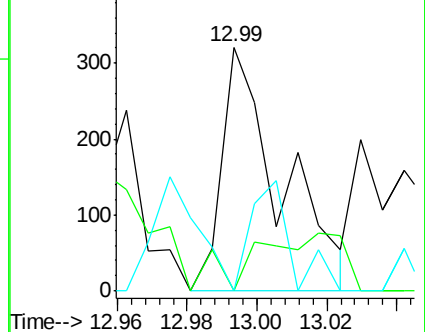
157 36.0 65.1 195.3#

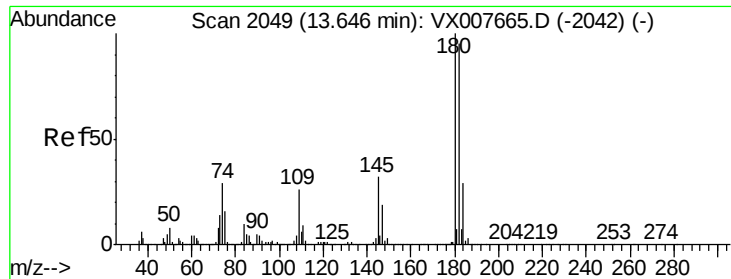


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

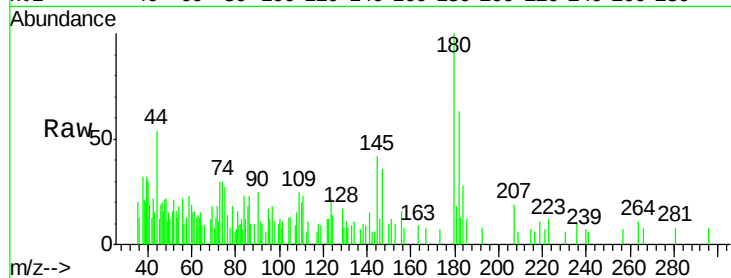




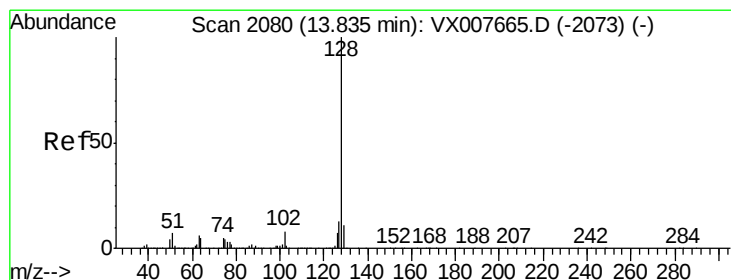
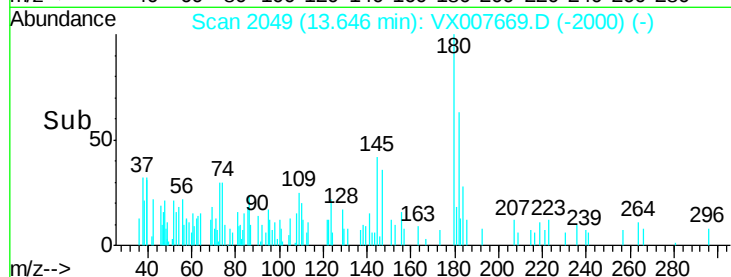
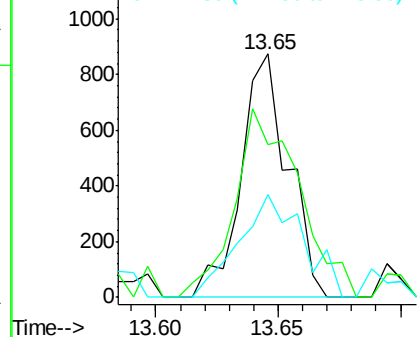
#93
 1,2,4-Trichlorobenzene
 Concen: 0.218 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007669.D
 Acq: 25 Feb 2019 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBL01

Tot Ion:180 Resp: 1163
 Ion Ratio Lower Upper
 180 100
 182 106.2 47.8 143.3
 145 57.8 14.1 42.2#

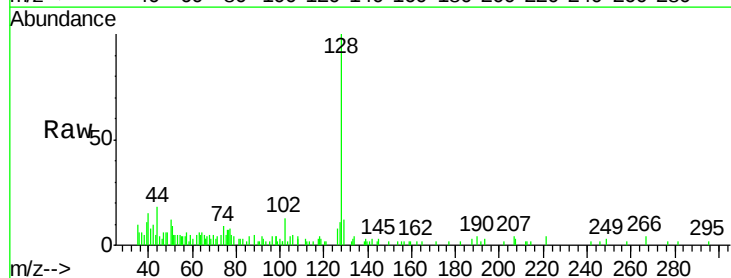


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

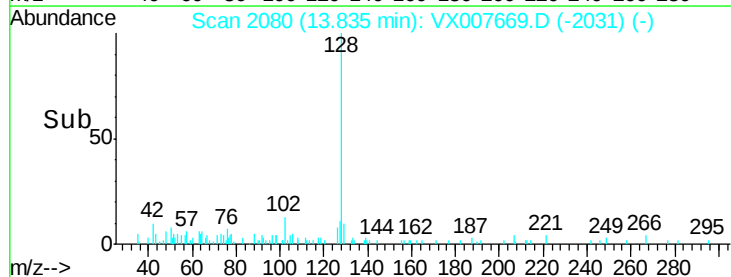
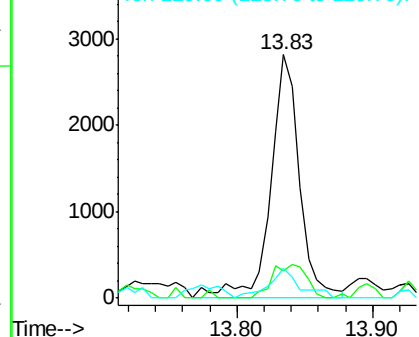


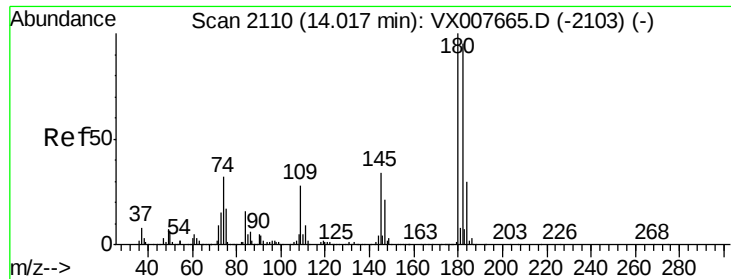
#95
 Naphthalene
 Concen: 0.242 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX007669.D
 Acq: 25 Feb 2019 13:13

Tgt Ion:128 Resp: 4189
 Ion Ratio Lower Upper
 128 100
 127 16.5 10.5 15.7#
 129 13.3 8.7 13.1#



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





#96

1,2,3-Trichlorobenzene

Concen: 0.213 ug/l

RT: 14.01 min Scan# 2109

Delta R.T. -0.01 min

Lab File: VX007669.D

Acq: 25 Feb 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBL01

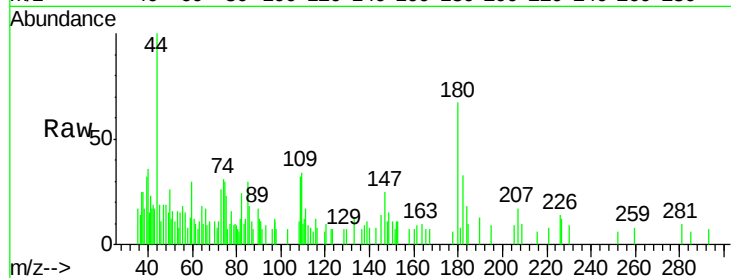
Tot Ion:180 Resp: 1141

Ion Ratio Lower Upper

180 100

182 97.2 47.5 142.6

145 36.2 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

