

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061419\
 Data File : VX010298.D
 Acq On : 14 Jun 2019 14:19
 Operator : JC/SP
 Sample : K3315-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-20190611

Quant Time: Jun 15 01:20:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	330858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	501760	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	447964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	213156	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	151164	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	
35) Dibromofluoromethane	5.50	113	151387	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
50) Toluene-d8	8.71	98	589305	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
62) 4-Bromofluorobenzene	11.13	95	199365	46.02	ug/l	0.00
Spiked Amount			Recovery	=	92.04%	

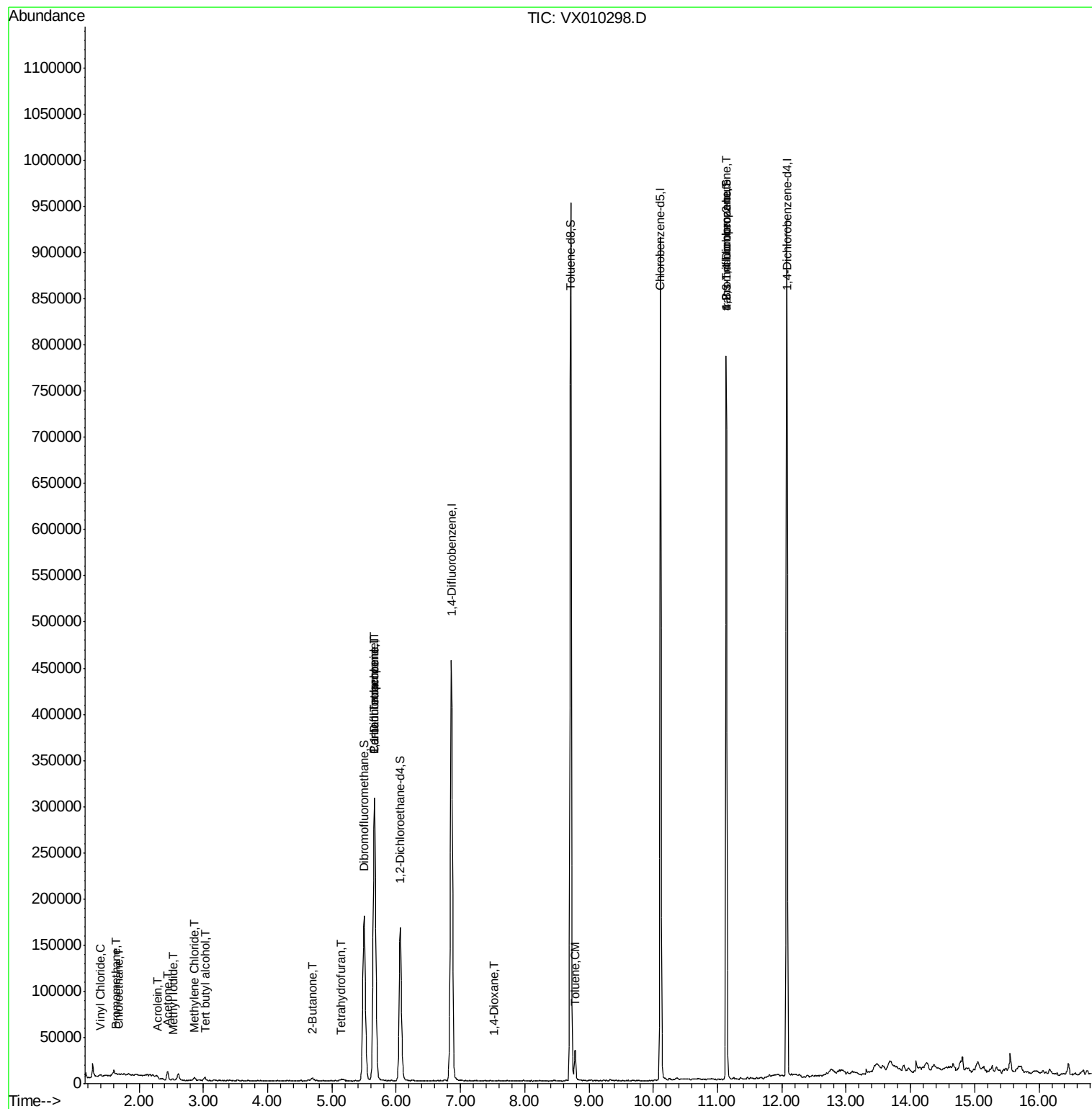
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	717	0.252	ug/l	100
5) Bromomethane	1.65	94	340	0.317	ug/l #	24
6) Chloroethane	1.68	64	3277	2.287	ug/l #	58
10) Methyl Iodide	2.52	142	1050	0.233	ug/l	97
11) Tert butyl alcohol	3.02	59	2450	3.097	ug/l #	83
13) Acrolein	2.29	56	67	0.464	ug/l #	14
16) Acetone	2.45	43	10886	7.167	ug/l #	82
20) Methylene Chloride	2.86	84	1584	0.475	ug/l #	70
25) 2-Butanone	4.69	43	971	0.429	ug/l	92
29) Tetrahydrofuran	5.15	42	1755	1.235	ug/l #	88
36) 1,1-Dichloropropene	5.66	75	20144	4.921	ug/l #	52
38) Carbon Tetrachloride	5.66	117	28821	6.220	ug/l #	16
49) 1,4-Dioxane	7.52	88	22	0.232	ug/l #	1
52) Toluene	8.79	92	12014	1.444	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	92642	21.729	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	92642	48.009	ug/l #	10

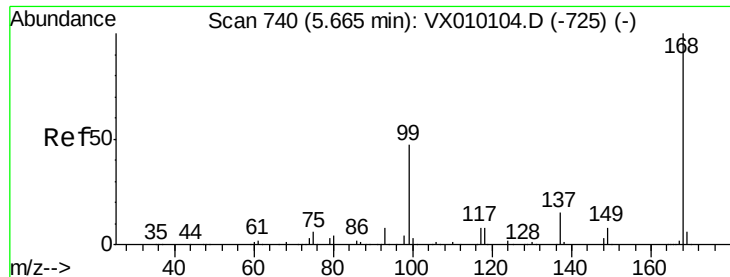
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 08 02:12:13 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: VX010298.D

Acq: 14 Jun 2019 14:19

Instrument :

MSVOA_X

ClientSampleId :

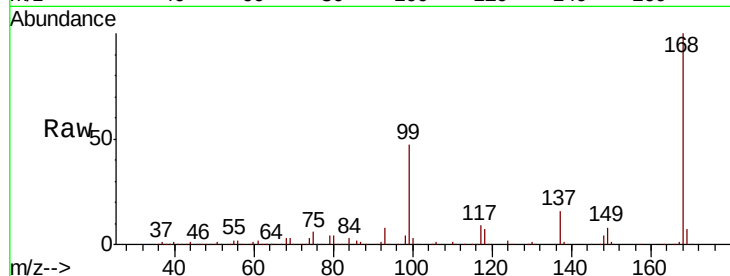
EB02-20190611

Tot Ion:168 Resp: 330858

Ion Ratio Lower Upper

168 100

99 46.5 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

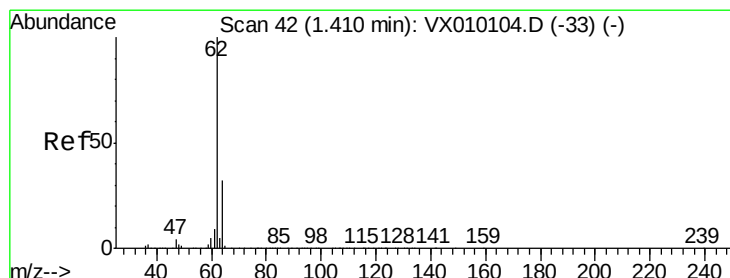
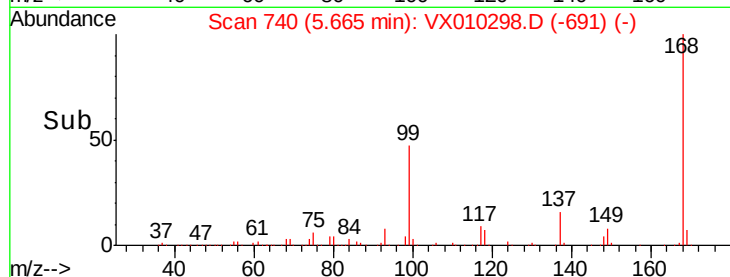
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.252 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010298.D

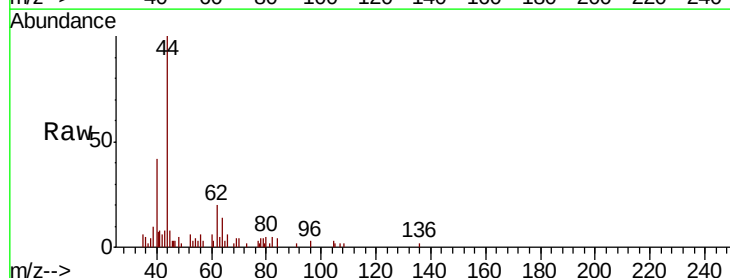
Acq: 14 Jun 2019 14:19

Tgt Ion: 62 Resp: 717

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

500

400

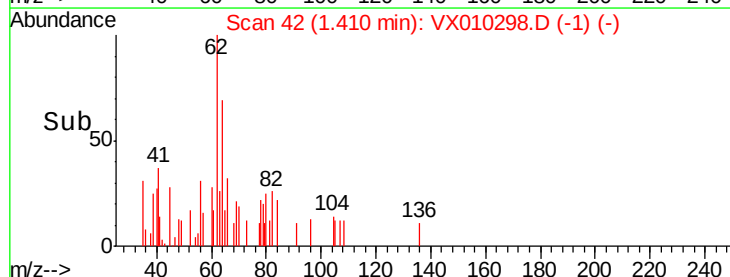
300

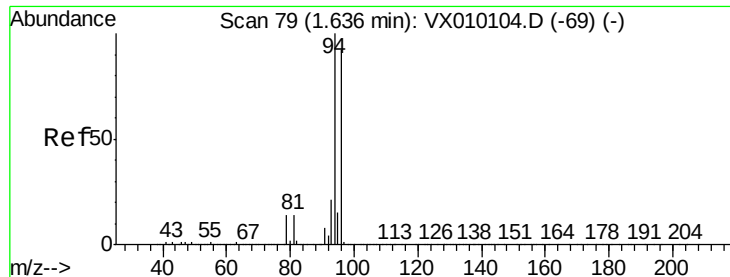
200

100

0

Time--> 1.40 1.45





#5

Bromomethane

Concen: 0.317 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010298.D

Acq: 14 Jun 2019 14:19

Instrument :

MSVOA_X

ClientSampleId :

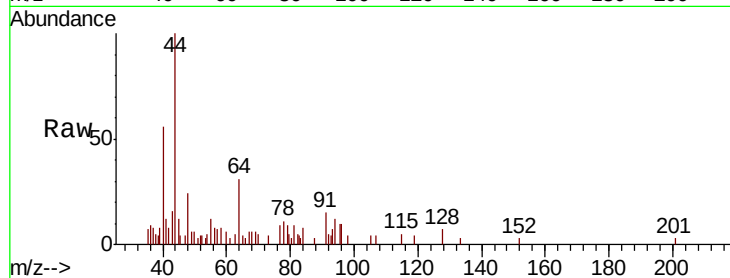
EB02-20190611

Tot Ion: 94 Resp: 340

Ion Ratio Lower Upper

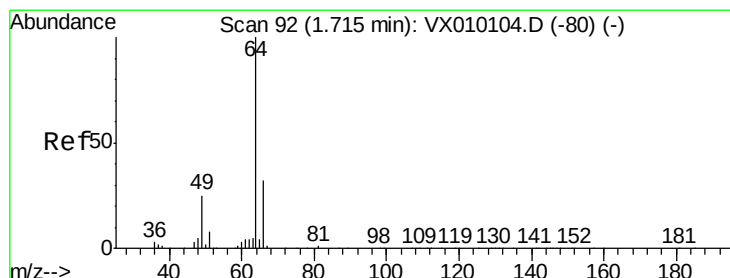
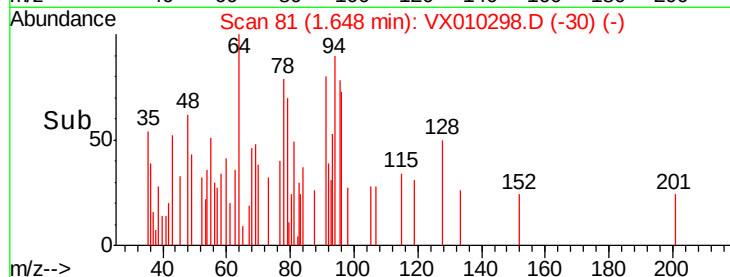
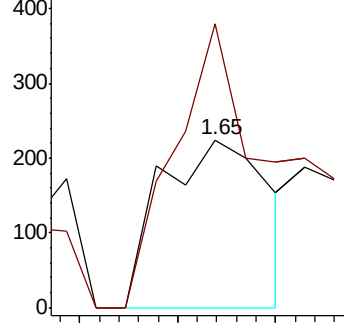
94 100

96 169.2 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 2.287 ug/l

RT: 1.68 min Scan# 86

Delta R.T. -0.04 min

Lab File: VX010298.D

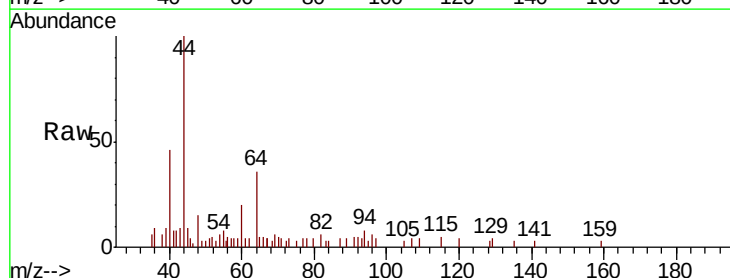
Acq: 14 Jun 2019 14:19

Tgt Ion: 64 Resp: 3277

Ion Ratio Lower Upper

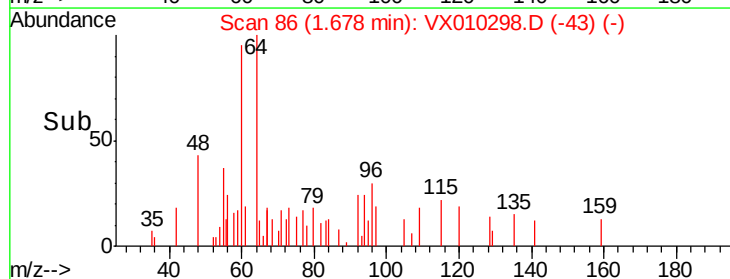
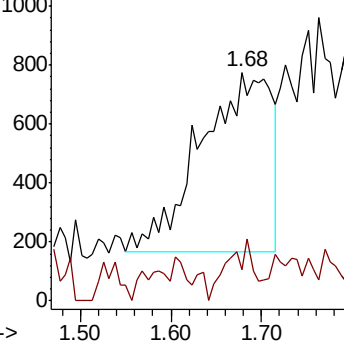
64 100

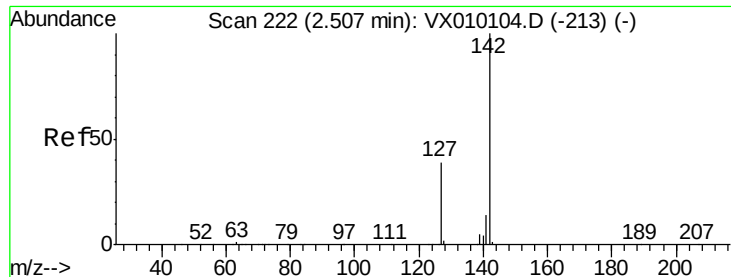
66 8.1 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

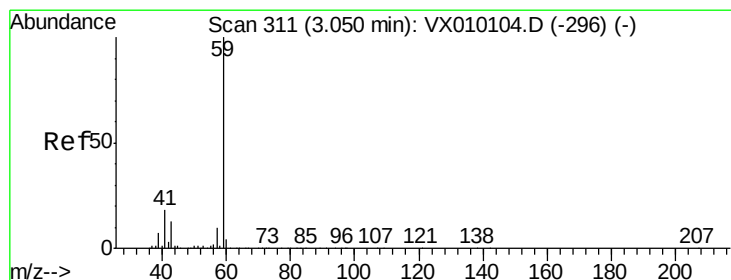
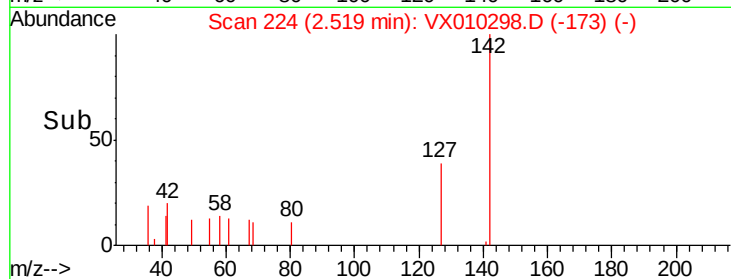
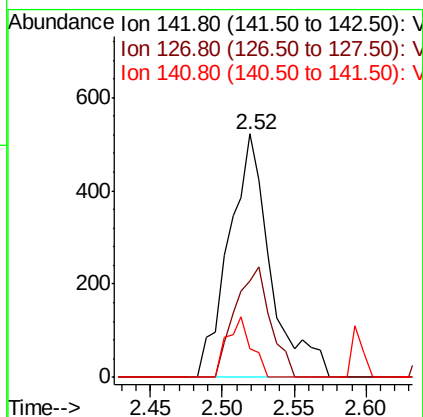
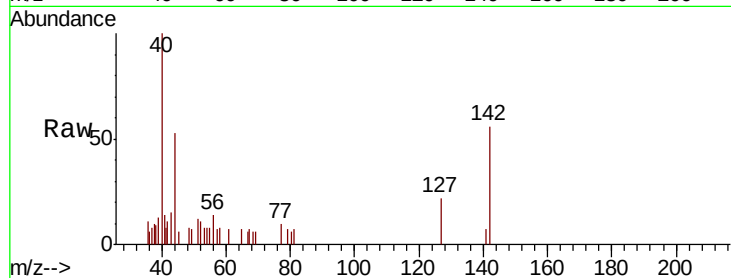




#10
Methvl Iodide
Concen: 0.233 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX010298.D
Acq: 14 Jun 2019 14:19

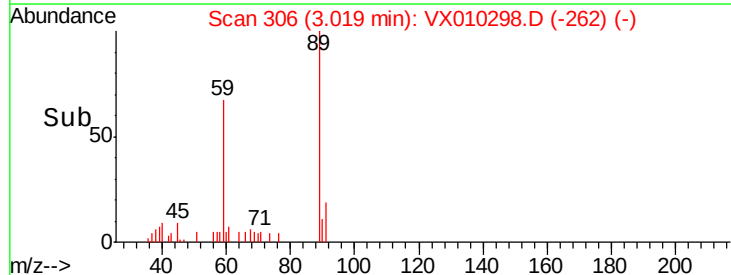
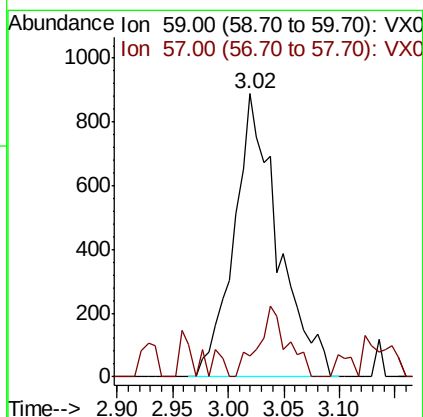
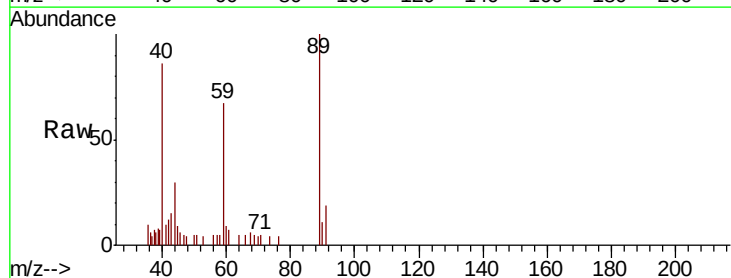
Instrument :
MSVOA_X
ClientSampleId :
EB02-20190611

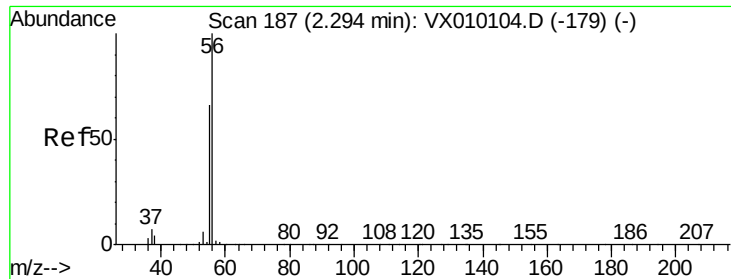
Tot Ion:142 Resp: 1050
Ion Ratio Lower Upper
142 100
127 38.7 33.0 49.4
141 14.6 11.4 17.0



#11
Tert butyl alcohol
Concen: 3.097 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010298.D
Acq: 14 Jun 2019 14:19

Tgt Ion: 59 Resp: 2450
Ion Ratio Lower Upper
59 100
57 16.5 8.2 12.2#





#13

Acrolein

Concen: 0.464 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010298.D

Acq: 14 Jun 2019 14:19

Instrument :

MSVOA_X

ClientSampleId :

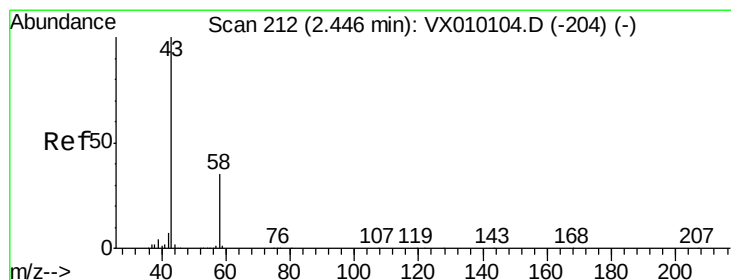
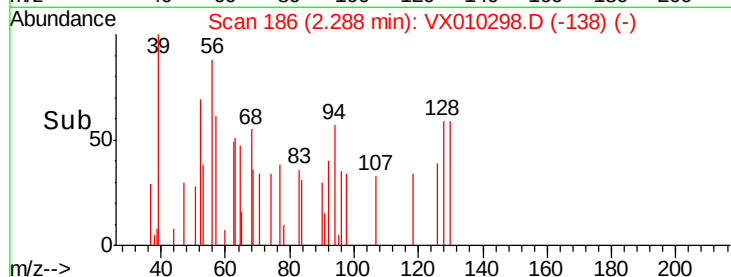
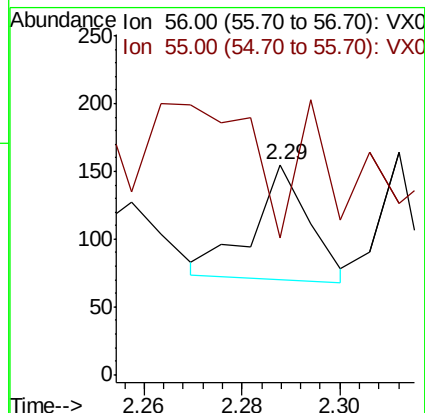
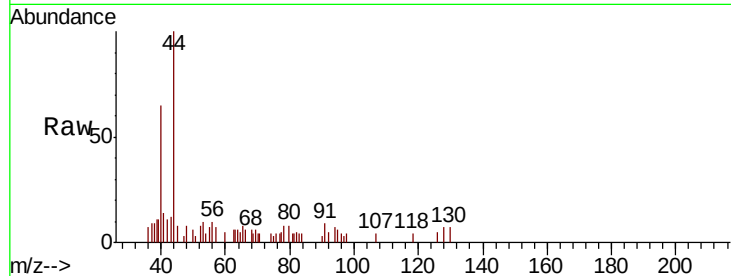
EB02-20190611

Tot Ion: 56 Resp: 67

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#16

Acetone

Concen: 7.167 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010298.D

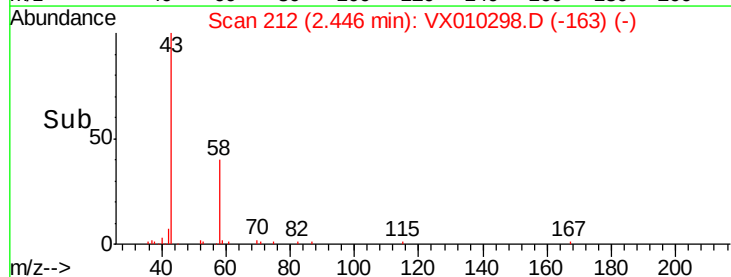
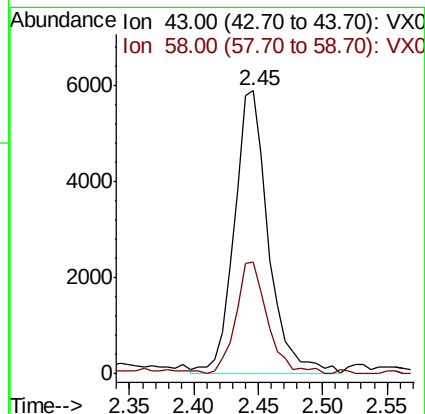
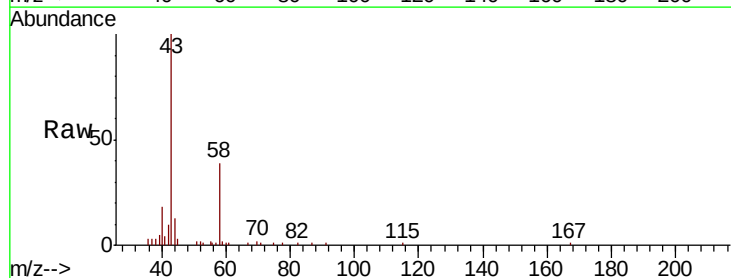
Acq: 14 Jun 2019 14:19

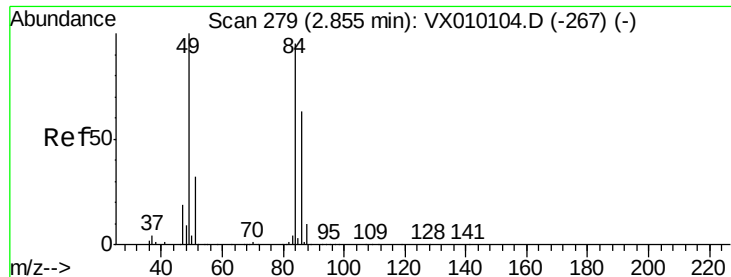
Tgt Ion: 43 Resp: 10886

Ion Ratio Lower Upper

43 100

58 38.4 23.2 34.8#

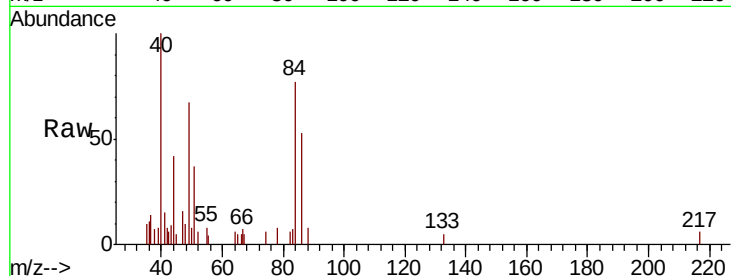




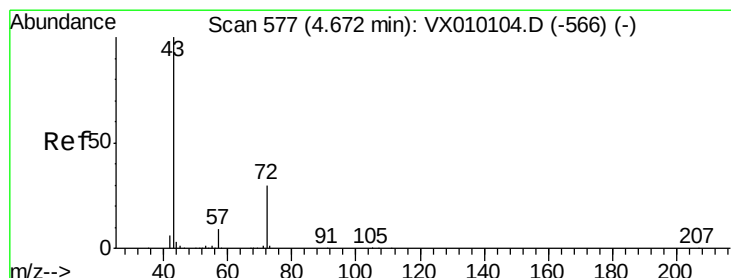
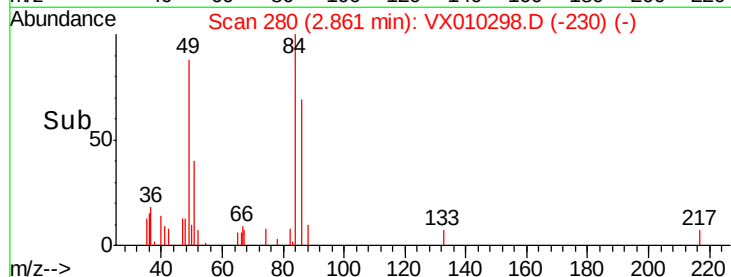
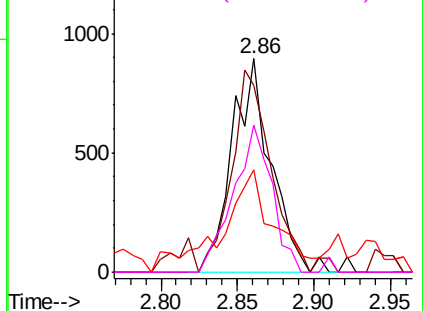
#20
Methylene Chloride
Concen: 0.475 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010298.D
Acq: 14 Jun 2019 14:19

Instrument :
MSVOA_X
ClientSampled :
EB02-20190611

Tot Ion: 84 Resp: 1584
Ion Ratio Lower Upper
84 100
49 87.7 115.8 173.6#
51 37.7 34.4 51.6
86 68.9 49.7 74.5

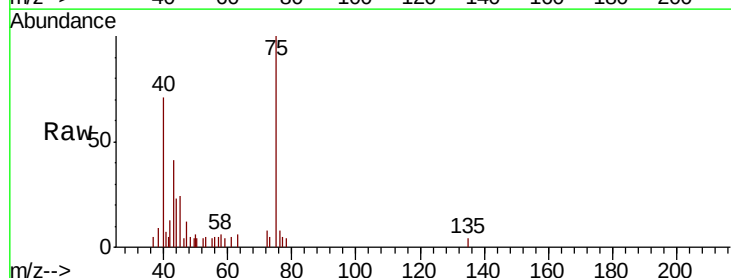


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

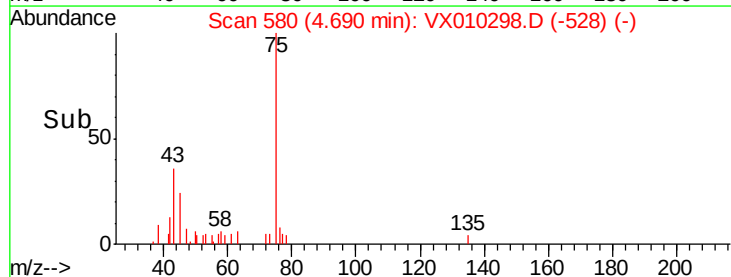
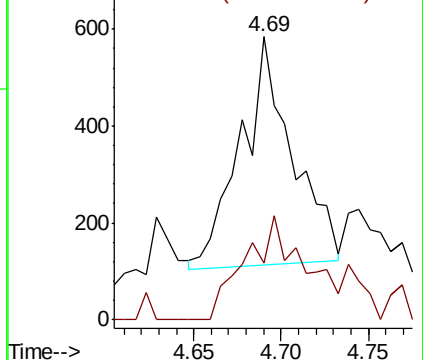


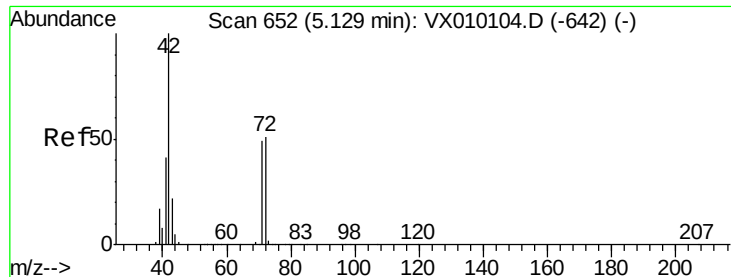
#25
2-Butanone
Concen: 0.429 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX010298.D
Acq: 14 Jun 2019 14:19

Tgt Ion: 43 Resp: 971
Ion Ratio Lower Upper
43 100
72 25.6 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 1.235 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX010298.D

Acq: 14 Jun 2019 14:19

Instrument :

MSVOA_X

ClientSampleId :

EB02-20190611

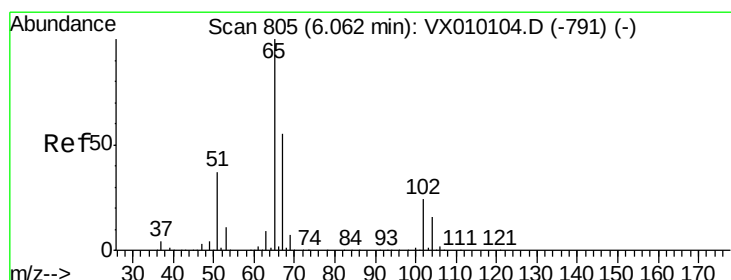
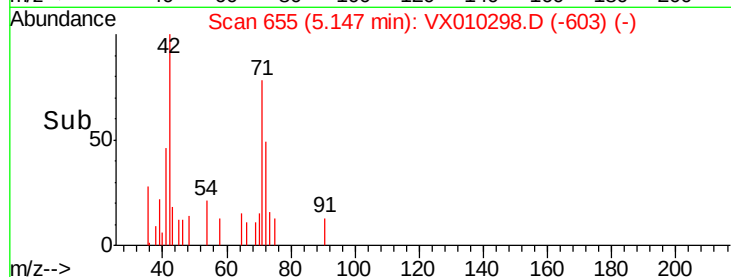
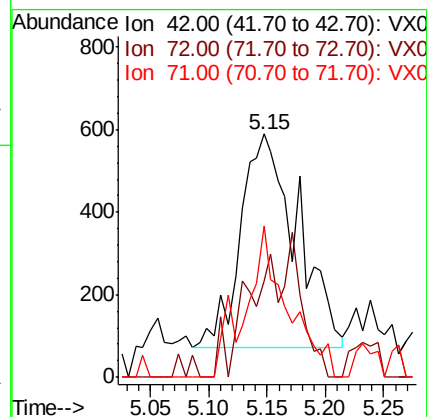
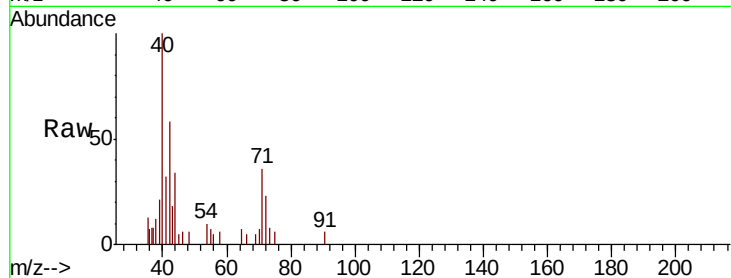
Tot Ion: 42 Resp: 1755

Ion Ratio Lower Upper

42 100

72 33.2 29.2 43.8

71 44.8 27.6 41.4#



#33

1,2-Dichloroethane-d4

Concen: 46.807 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010298.D

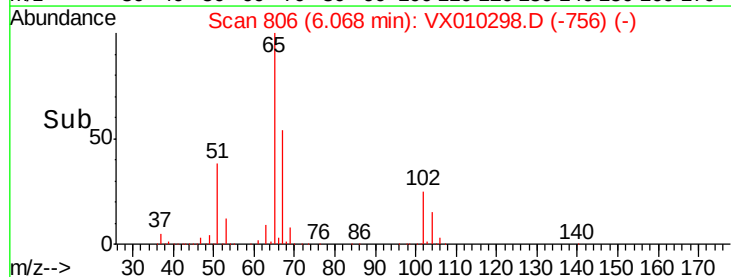
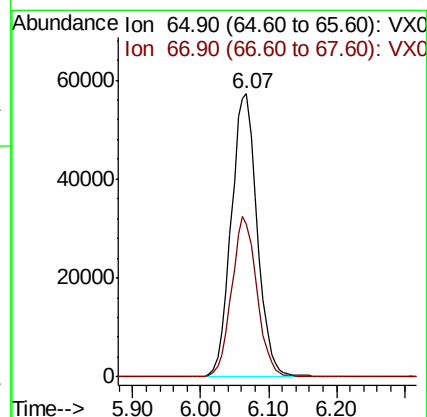
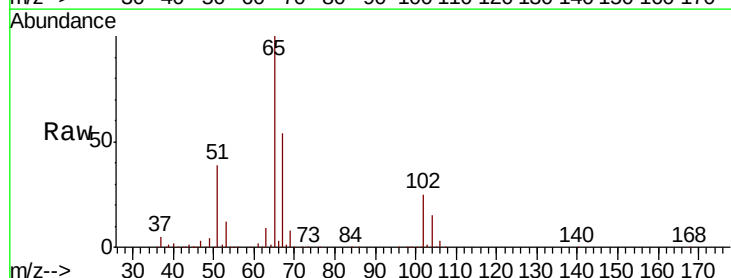
Acq: 14 Jun 2019 14:19

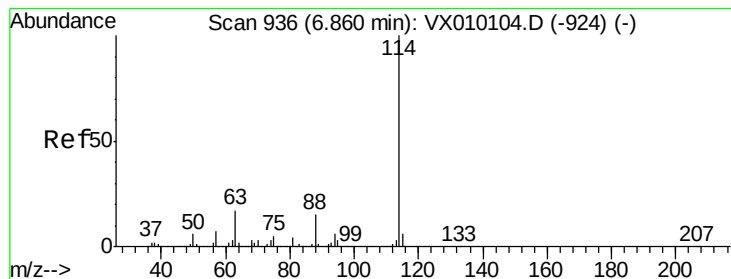
Tgt Ion: 65 Resp: 151164

Ion Ratio Lower Upper

65 100

67 55.2 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010298.D

Acq: 14 Jun 2019 14:19

Instrument :

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ClientSampleId :

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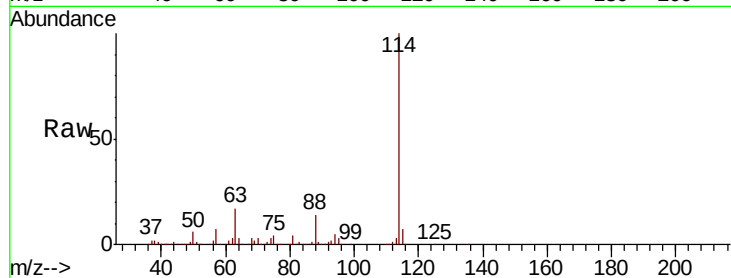
Tot Ion:114 Resp: 501760

Ion Ratio Lower Upper

114 100

63 16.6 0.0 47.4

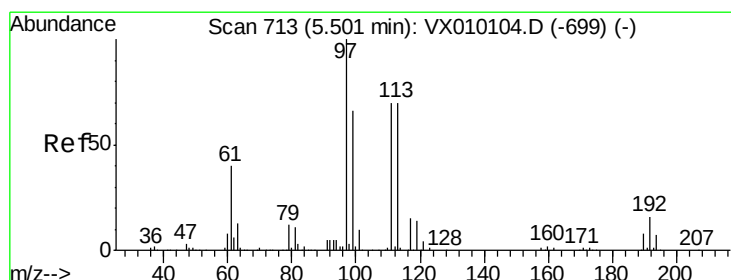
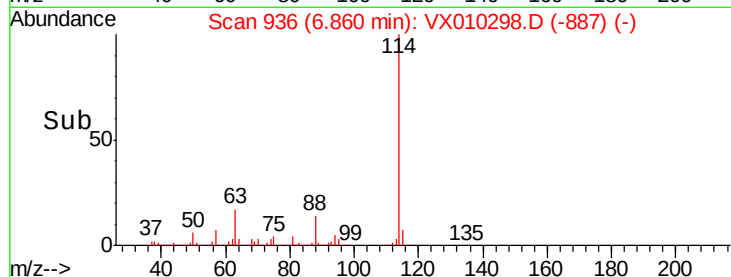
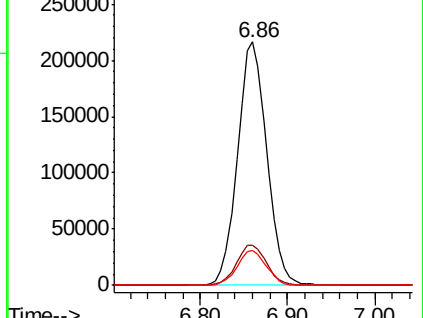
88 14.4 0.0 33.0



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: 48.914 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010298.D

Acq: 14 Jun 2019 14:19

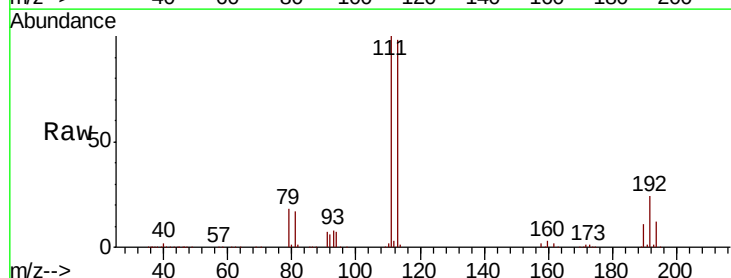
Tgt Ion:113 Resp: 151387

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.2

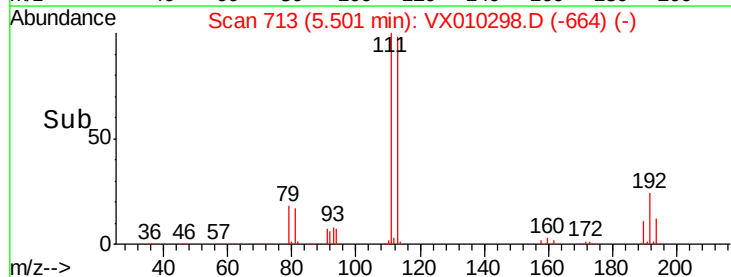
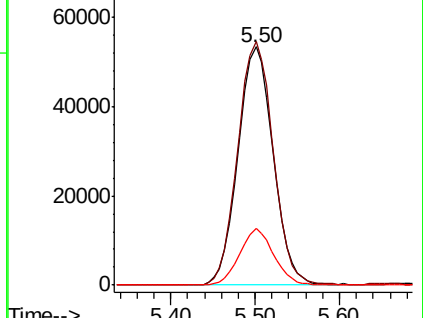
192 23.0 17.1 25.7

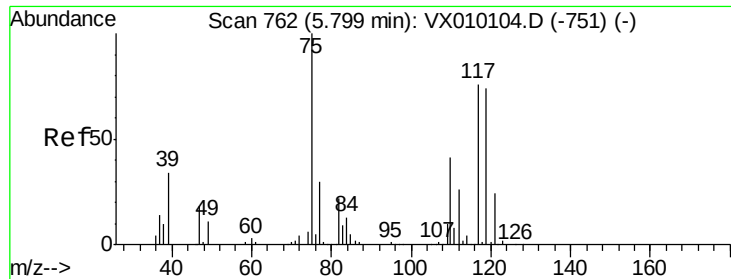


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

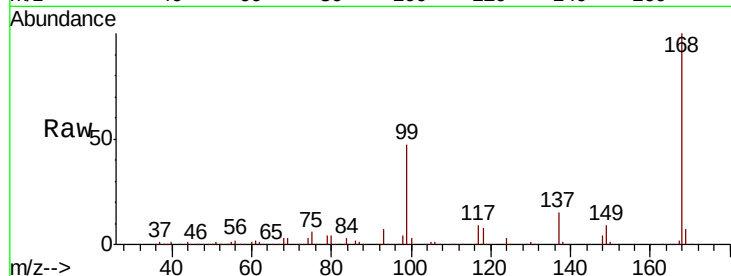




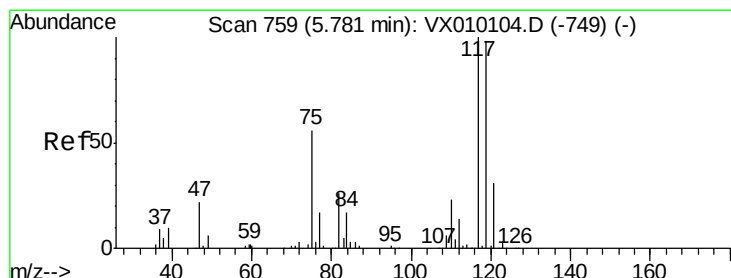
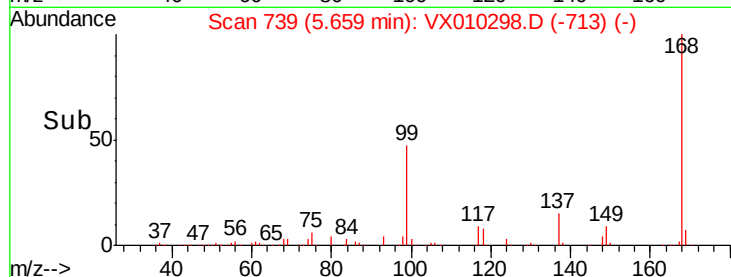
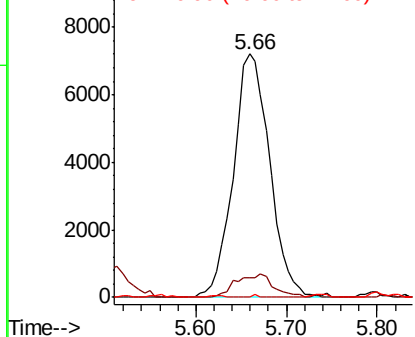
#36
 1,1-Dichloropropene
 Concen: 4.921 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010298.D
 Acq: 14 Jun 2019 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-20190611

Tot Ion: 75 Resp: 20144
 Ion Ratio Lower Upper
 75 100
 110 10.0 16.7 50.1#
 77 0.2 25.0 37.4#

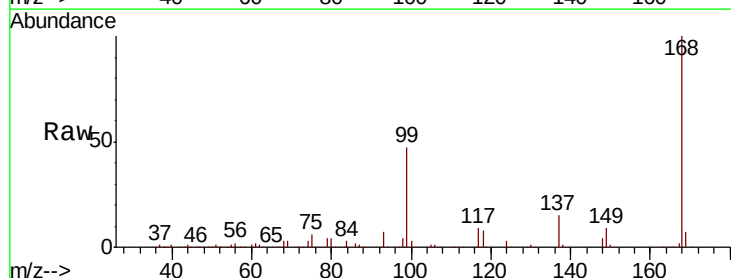


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

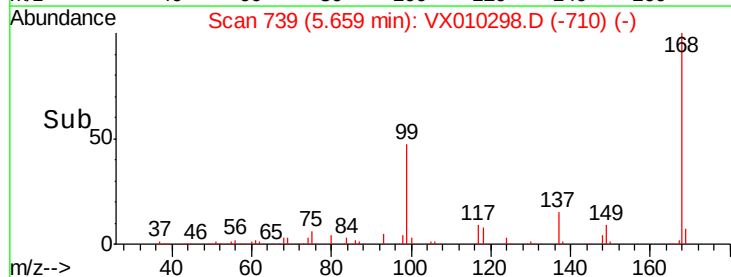
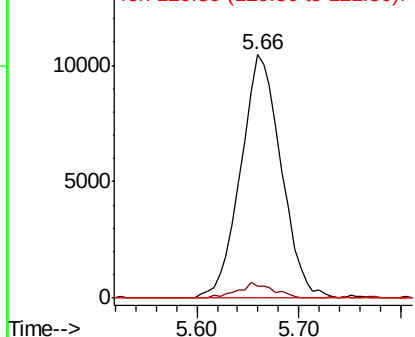


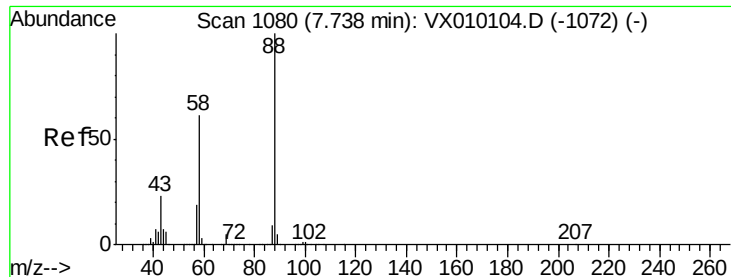
#38
 Carbon Tetrachloride
 Concen: 6.220 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX010298.D
 Acq: 14 Jun 2019 14:19

Tgt Ion: 117 Resp: 28821
 Ion Ratio Lower Upper
 117 100
 119 5.0 77.3 115.9#
 121 0.0 25.4 38.0#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

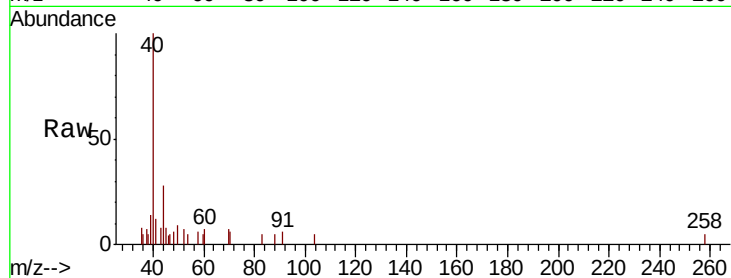




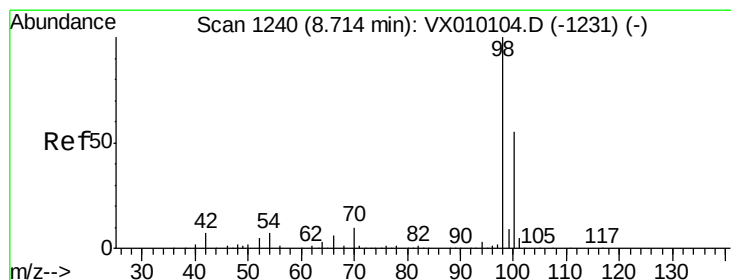
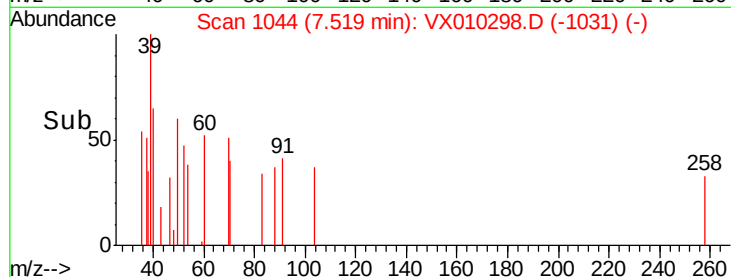
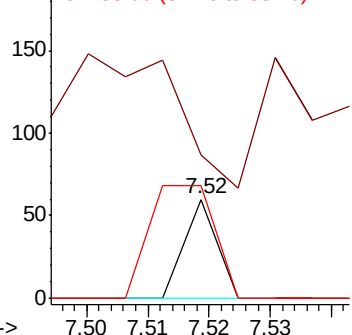
#49
1,4-Dioxane
Concen: 0.232 ug/l
RT: 7.52 min Scan# 1044
Delta R.T. -0.22 min
Lab File: VX010298.D
Acq: 14 Jun 2019 14:19

Instrument :
MSVOA_X
ClientSampleId :
EB02-20190611

Tot Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 30.2 45.4#
58 227.3 64.0 96.0#

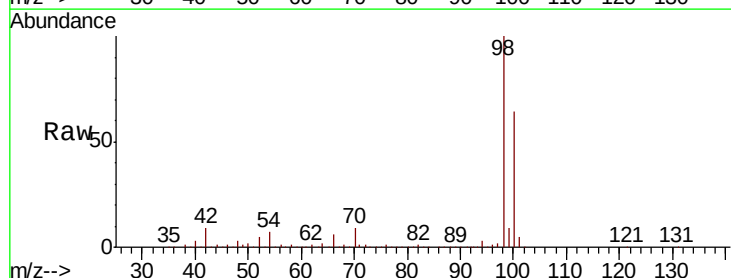


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

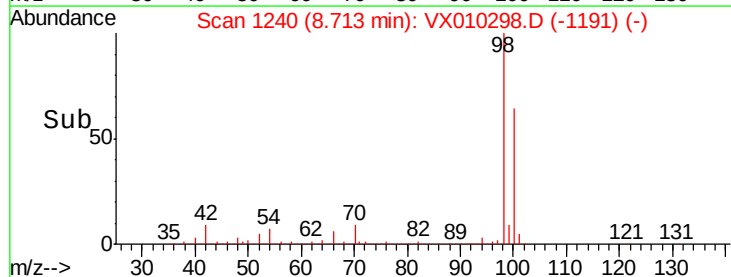
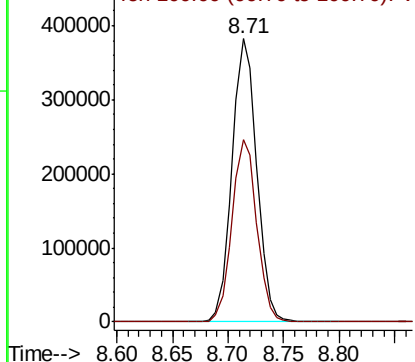


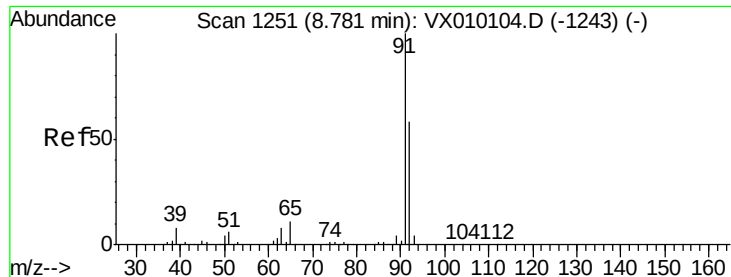
#50
Toluene-d8
Concen: 50.804 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010298.D
Acq: 14 Jun 2019 14:19

Tgt Ion: 98 Resp: 589305
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 1.444 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010298.D

Acq: 14 Jun 2019 14:19

Instrument :

MSVOA_X

ClientSampleId :

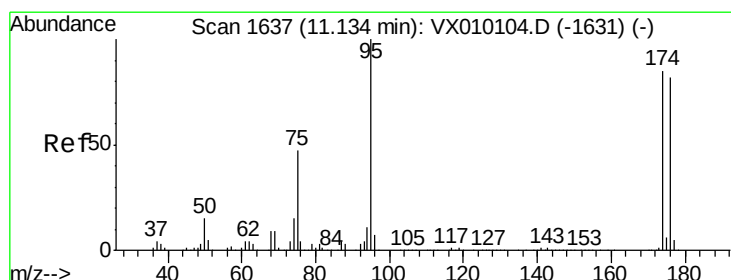
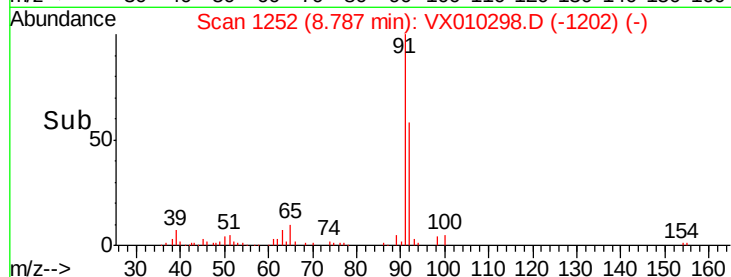
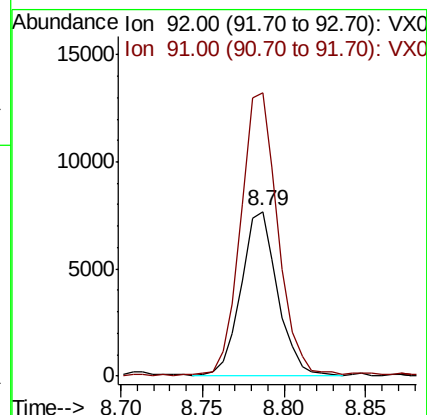
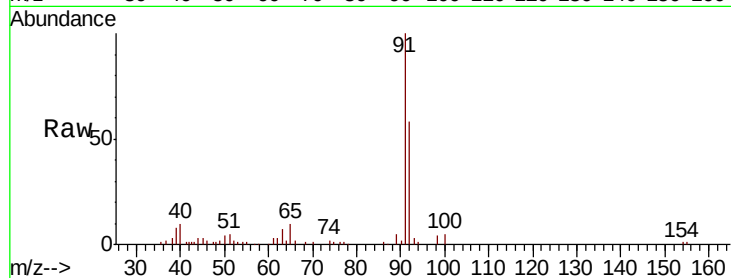
EB02-20190611

Tot Ion: 92 Resp: 12014

Ion Ratio Lower Upper

92 100

91 175.8 139.9 209.9



#62

4-Bromofluorobenzene

Concen: 46.022 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010298.D

Acq: 14 Jun 2019 14:19

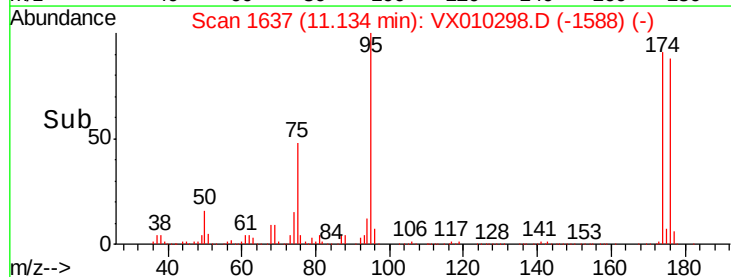
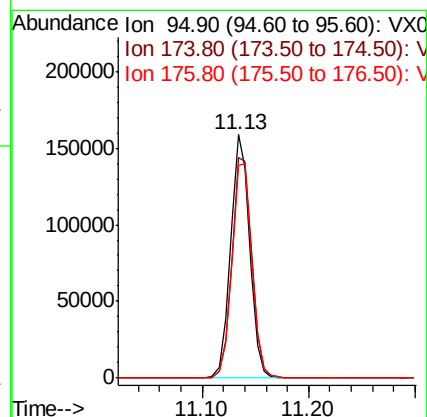
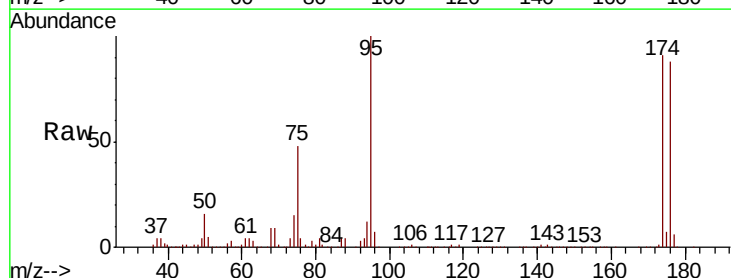
Tgt Ion: 95 Resp: 199365

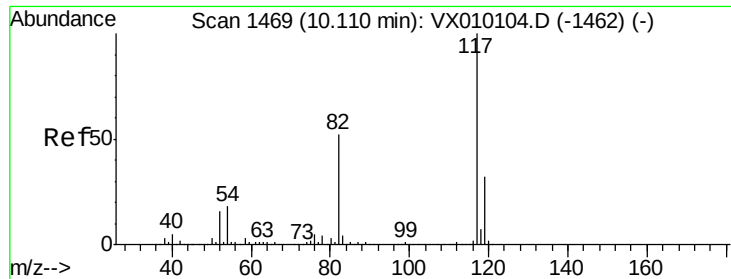
Ion Ratio Lower Upper

95 100

174 94.7 0.0 160.4

176 92.3 0.0 154.6

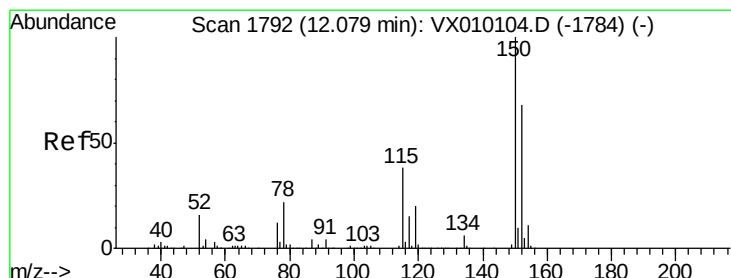
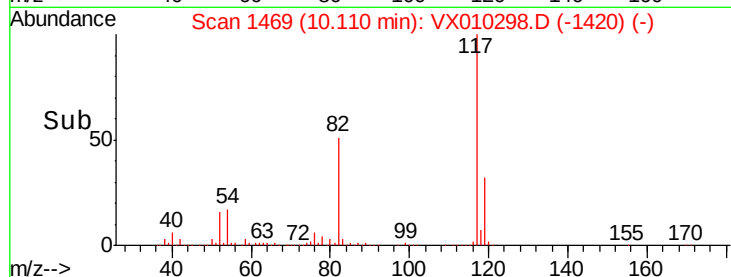
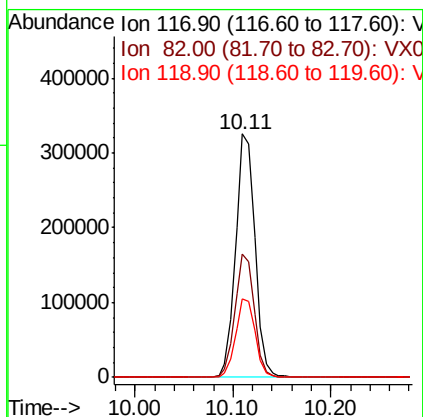
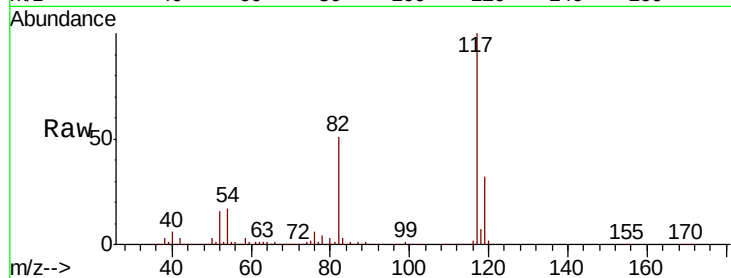




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010298.D
Acq: 14 Jun 2019 14:19

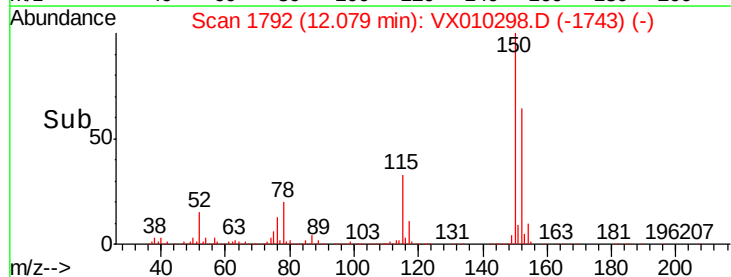
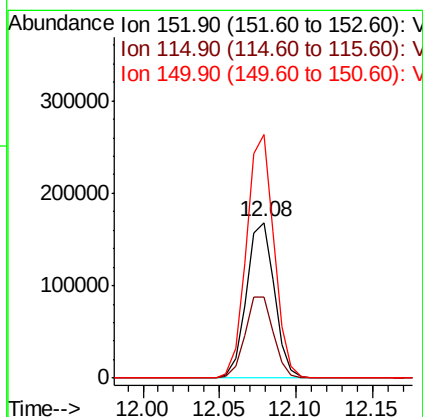
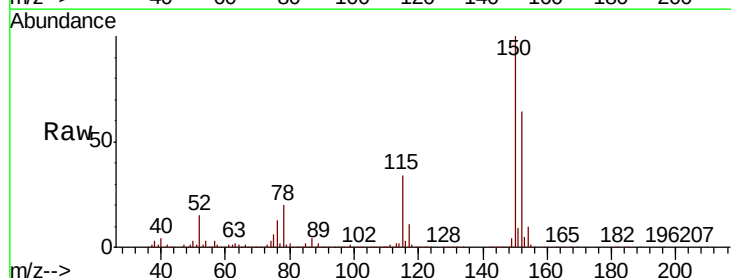
Instrument :
MSVOA_X
ClientSampleId :
EB02-20190611

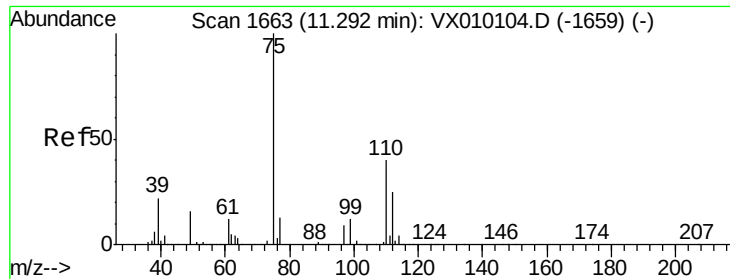
Tot Ion:117 Resp: 447964
Ion Ratio Lower Upper
117 100
82 50.7 49.2 73.8
119 32.2 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010298.D
Acq: 14 Jun 2019 14:19

Tgt Ion:152 Resp: 213156
Ion Ratio Lower Upper
152 100
115 53.3 41.4 124.2
150 154.6 0.0 345.2

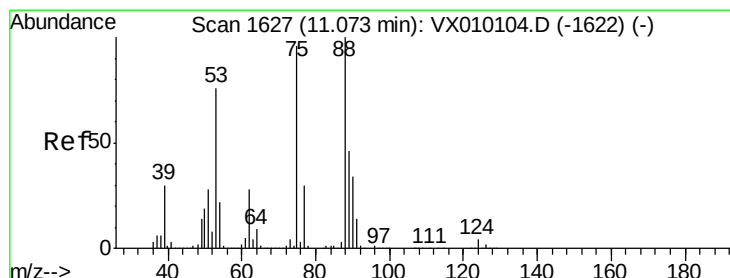
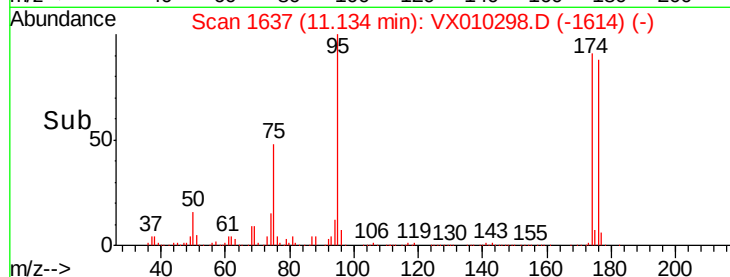
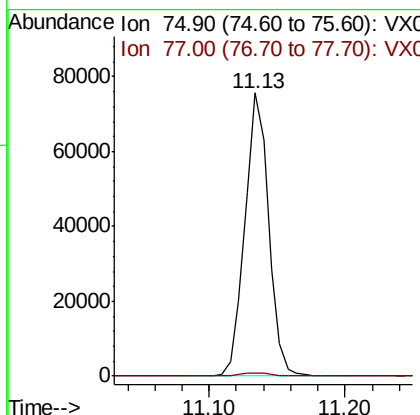
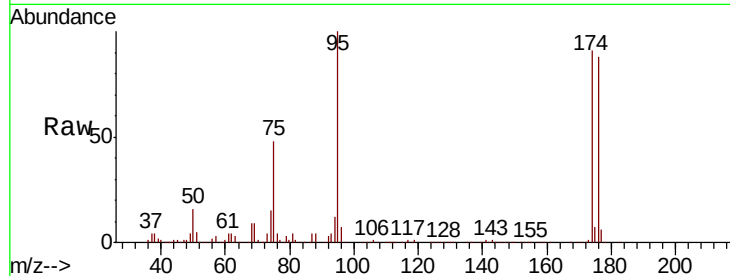




#76
 1,2,3-Trichloropropane
 Concen: 21.729 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010298.D
 Acq: 14 Jun 2019 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-20190611

Tot Ion: 75 Resp: 92642
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.009 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010298.D
 Acq: 14 Jun 2019 14:19

Tgt Ion: 75 Resp: 92642
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.8 119.6#
 89 0.0 34.2 51.4#

