

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070819\
 Data File : VX010712.D
 Acq On : 08 Jul 2019 22:26
 Operator : JC/SP
 Sample : VX0708WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0708WBL02

Quant Time: Jul 09 01:14:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	238392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	370712	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	339054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	158174	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	120034	53.70	ug/l	0.00
Spiked Amount			Recovery	=	107.40%	
35) Dibromofluoromethane	5.50	113	116379	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
50) Toluene-d8	8.71	98	450135	51.87	ug/l	0.00
Spiked Amount			Recovery	=	103.74%	
62) 4-Bromofluorobenzene	11.13	95	155055	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	

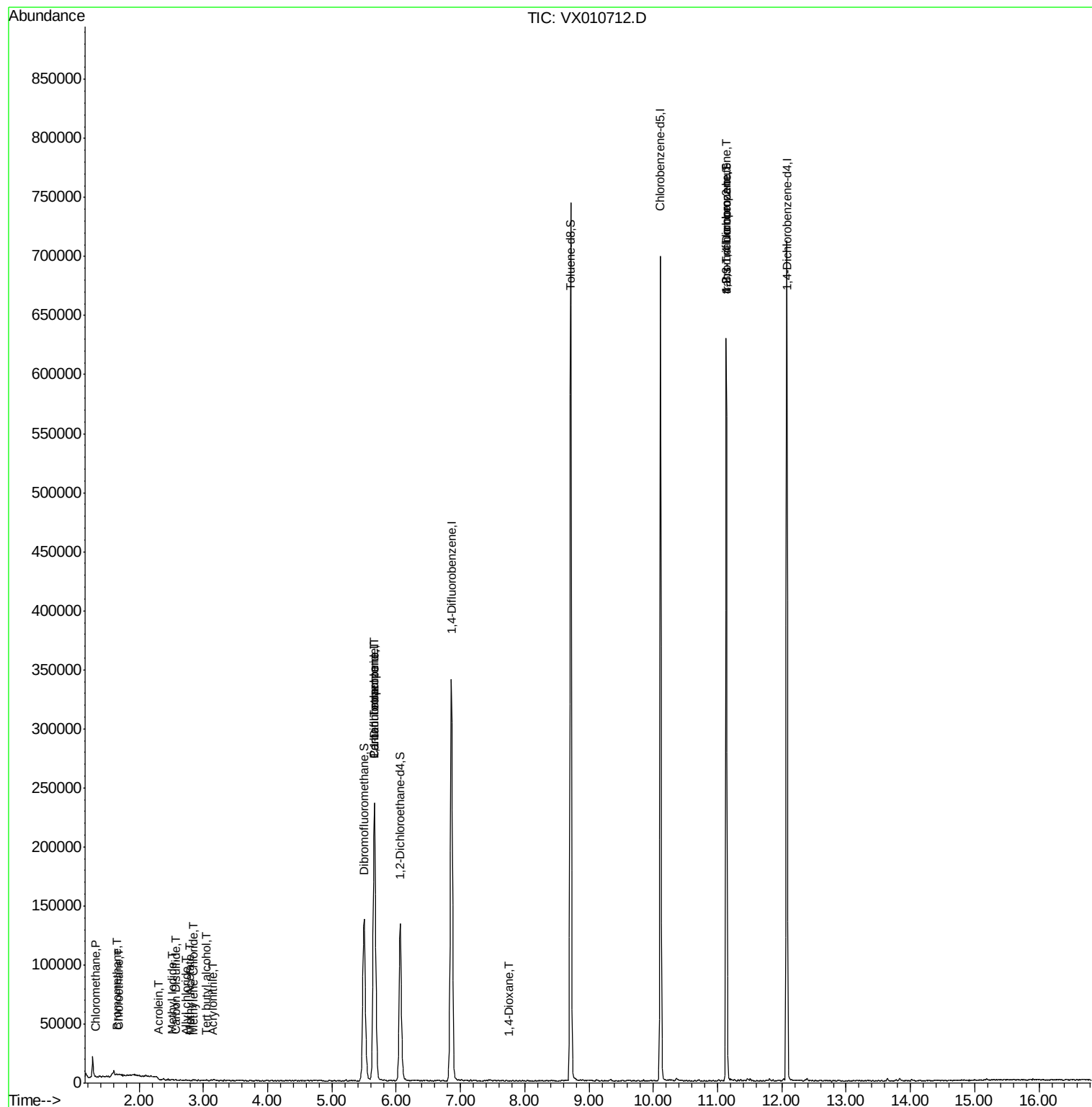
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	393	0.204	ug/l #	62
5) Bromomethane	1.65	94	360	0.350	ug/l	85
6) Chloroethane	1.68	64	592	0.475	ug/l #	41
10) Methyl Iodide	2.51	142	839	0.290	ug/l	90
11) Tert butyl alcohol	3.05	59	486	0.831	ug/l	99
13) Acrolein	2.31	56	251	0.647	ug/l #	23
14) Allyl chloride	2.73	41	687	0.234	ug/l #	34
15) Acrylonitrile	3.15	53	239	0.206	ug/l #	12
17) Carbon Disulfide	2.57	76	1302	0.235	ug/l #	81
18) Methyl Acetate	2.78	43	694	0.311	ug/l #	88
20) Methylene Chloride	2.85	84	497	0.216	ug/l #	79
36) 1,1-Dichloropropene	5.66	75	15411	5.231	ug/l #	47
38) Carbon Tetrachloride	5.66	117	21830	6.843	ug/l #	15
49) 1,4-Dioxane	7.76	88	21	0.313	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	74949	26.003	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	74949	60.662	ug/l #	16

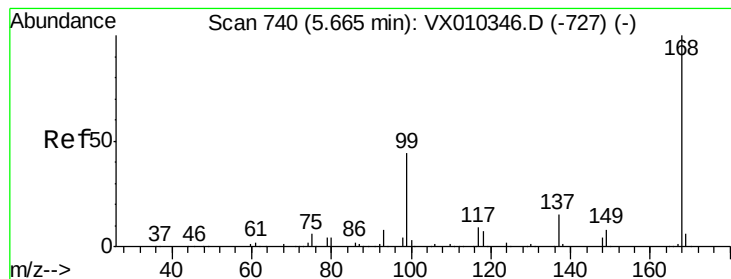
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 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: VX010712.D

Acq: 08 Jul 2019 22:26

Instrument :

MSVOA_X

ClientSampleID :

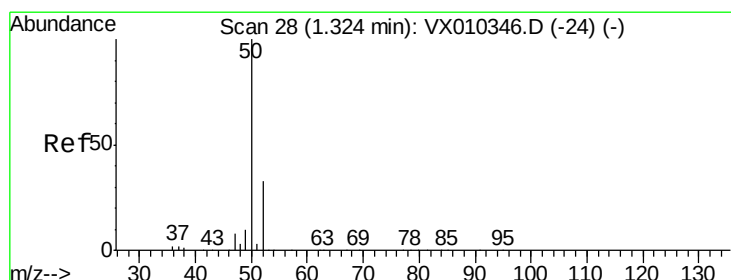
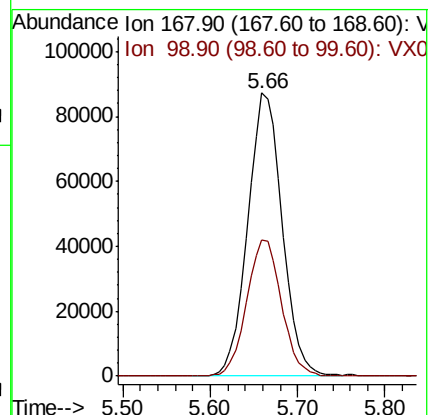
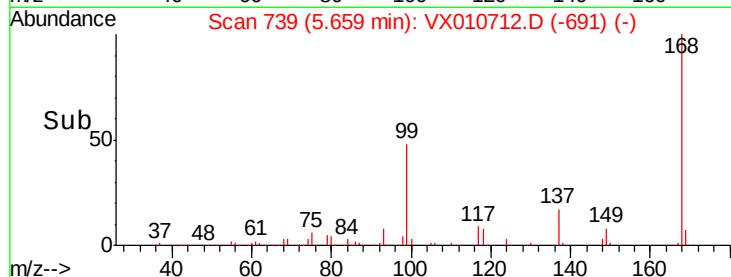
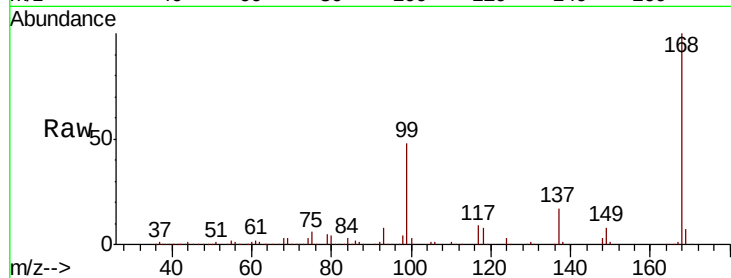
VX0708WBL02

Tot Ion:168 Resp: 238392

Ion Ratio Lower Upper

168 100

99 48.2 35.5 53.3



#3

Chloromethane

Concen: 0.204 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010712.D

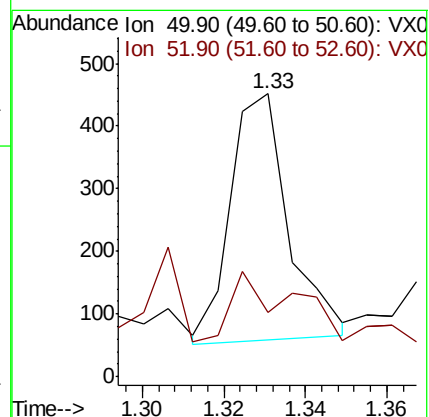
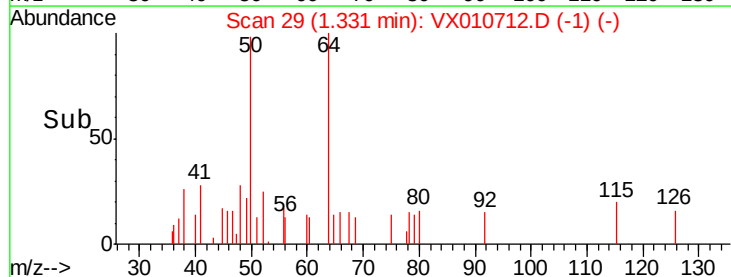
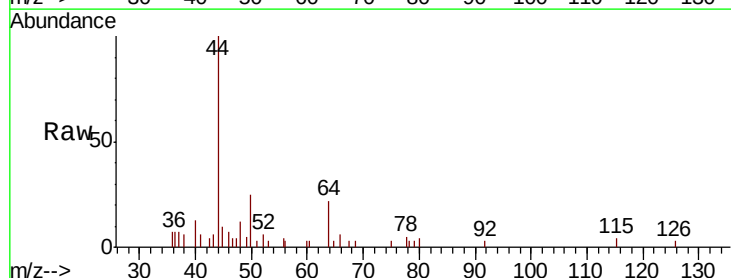
Acq: 08 Jul 2019 22:26

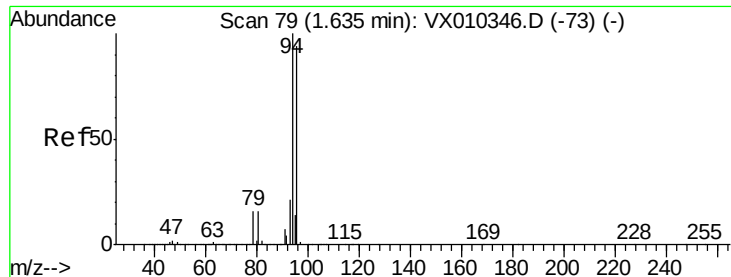
Tgt Ion: 50 Resp: 393

Ion Ratio Lower Upper

50 100

52 11.4 26.5 39.7#





#5

Bromomethane

Concen: 0.350 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010712.D

Acq: 08 Jul 2019 22:26

Instrument :

MSVOA_X

ClientSampled :

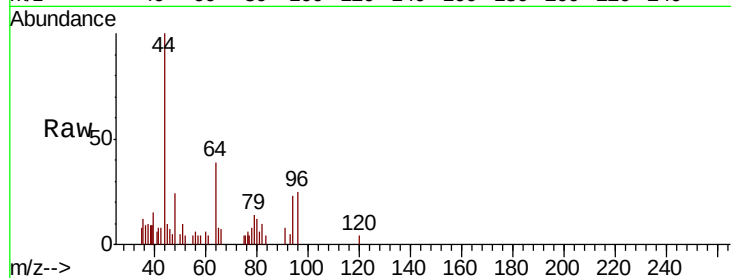
VX0708WBL02

Tot Ion: 94 Resp: 360

Ion Ratio Lower Upper

94 100

96 109.1 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

500

400

300

200

100

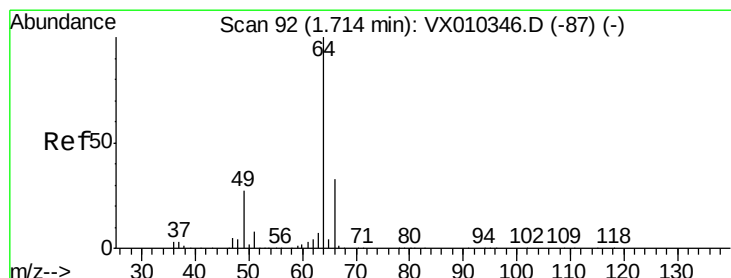
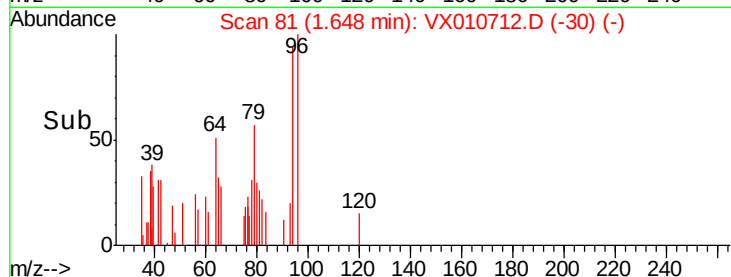
0

1.62

1.64

1.66

Time-->



#6

Chloroethane

Concen: 0.475 ug/l

RT: 1.68 min Scan# 87

Delta R.T. -0.03 min

Lab File: VX010712.D

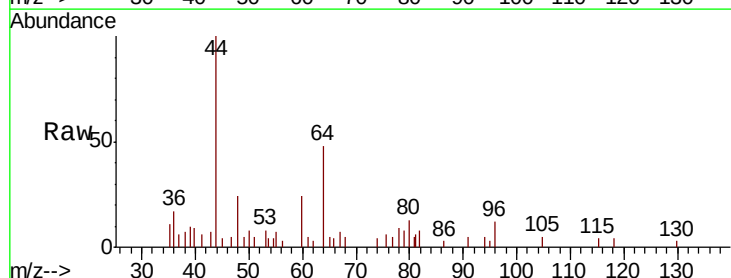
Acq: 08 Jul 2019 22:26

Tgt Ion: 64 Resp: 592

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

800

600

400

200

0

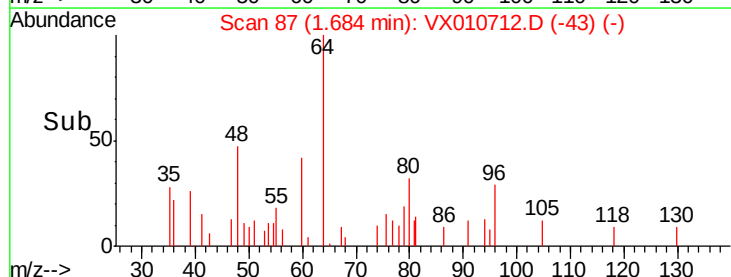
1.66

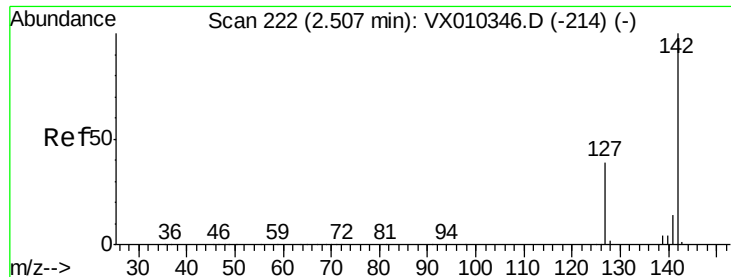
1.68

1.70

1.72

Time-->

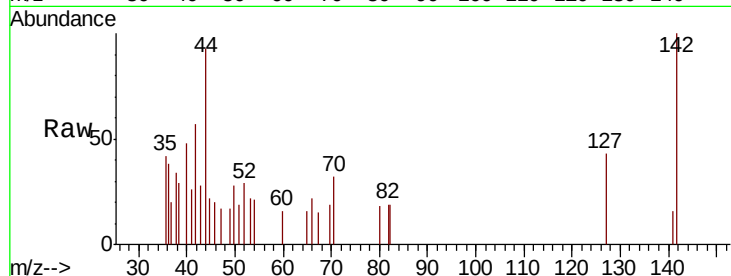




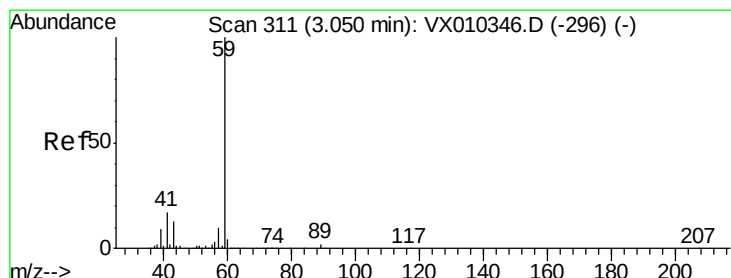
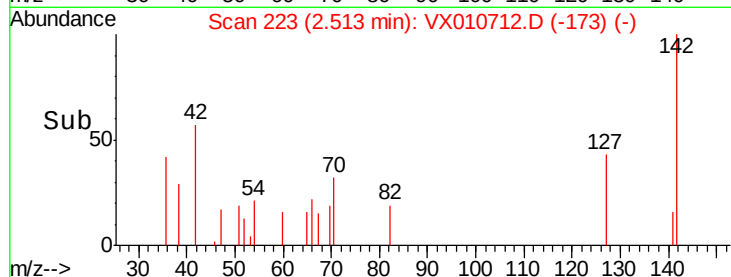
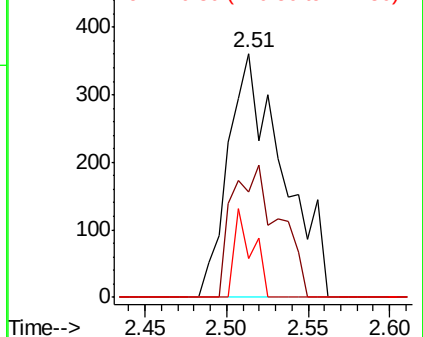
#10
Methyl Iodide
Concen: 0.290 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX010712.D
Acq: 08 Jul 2019 22:26

Instrument :
MSVOA_X
ClientSampleId :
VX0708WBL02

Tot Ion:142 Resp: 839
Ion Ratio Lower Upper
142 100
127 46.5 31.1 46.7
141 12.0 11.2 16.8

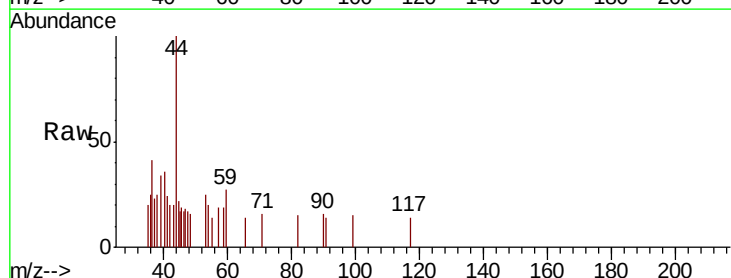


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

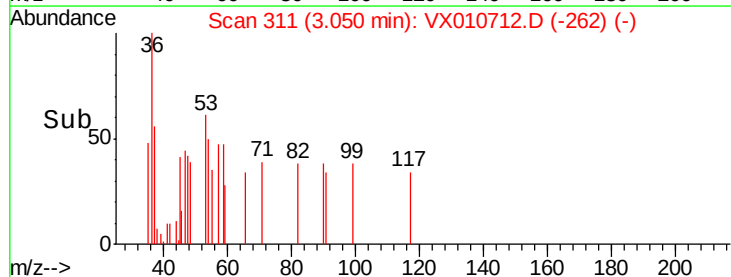
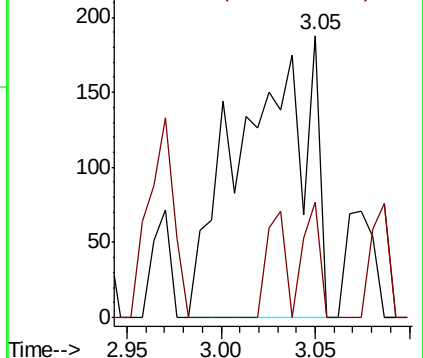


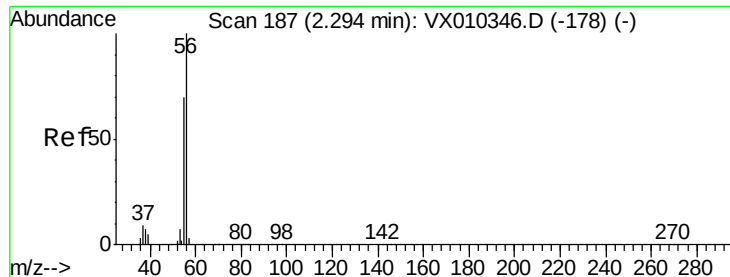
#11
Tert butyl alcohol
Concen: 0.831 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010712.D
Acq: 08 Jul 2019 22:26

Tgt Ion: 59 Resp: 486
Ion Ratio Lower Upper
59 100
57 9.9 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.647 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX010712.D

Acq: 08 Jul 2019 22:26

Instrument :

MSVOA_X

ClientSampleId :

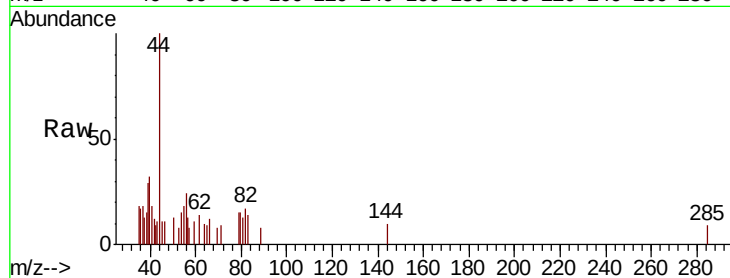
VX0708WBL02

Tot Ion: 56 Resp: 251

Ion Ratio Lower Upper

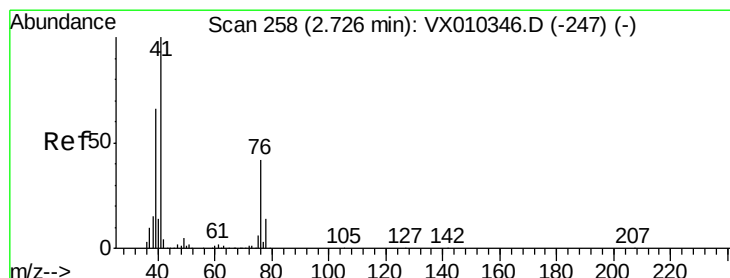
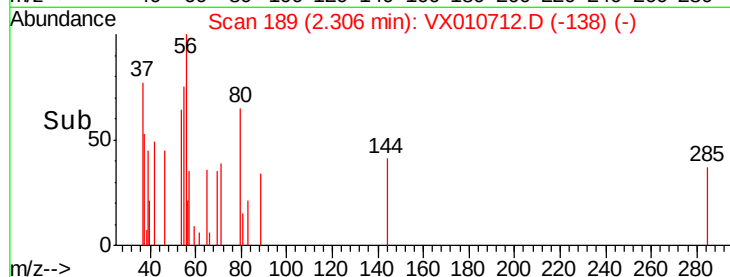
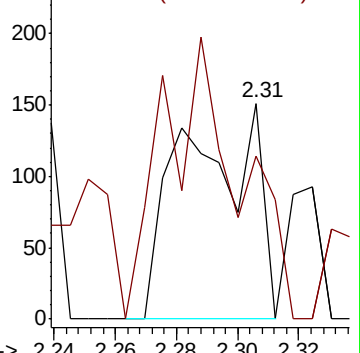
56 100

55 134.7 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 0.234 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010712.D

Acq: 08 Jul 2019 22:26

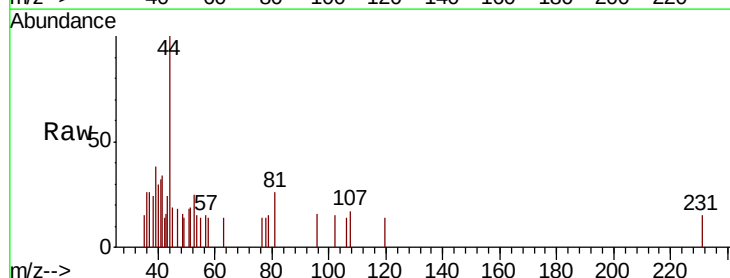
Tgt Ion: 41 Resp: 687

Ion Ratio Lower Upper

41 100

39 0.0 50.3 75.5#

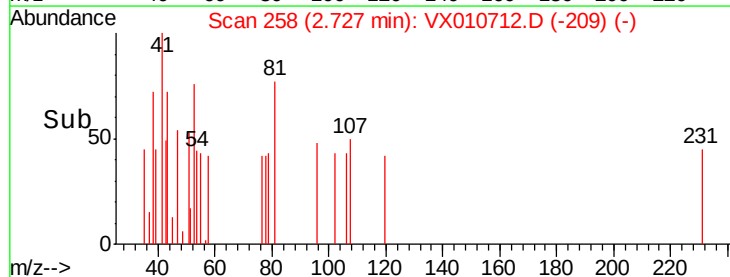
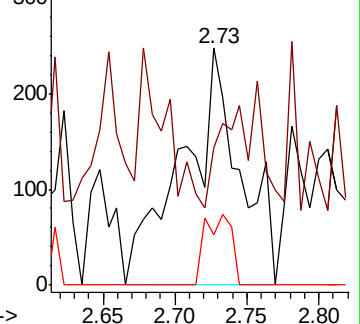
76 13.7 31.3 46.9#

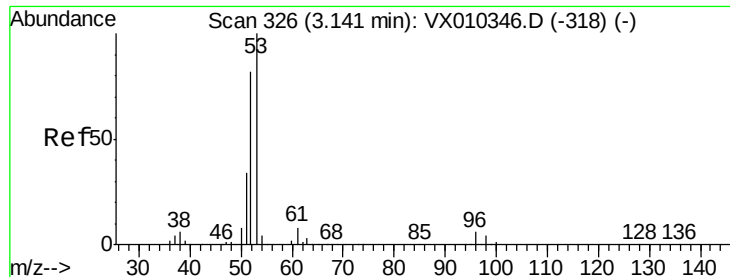


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 0.206 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX010712.D

Acq: 08 Jul 2019 22:26

Instrument :

MSVOA_X

ClientSampled :

VX0708WBL02

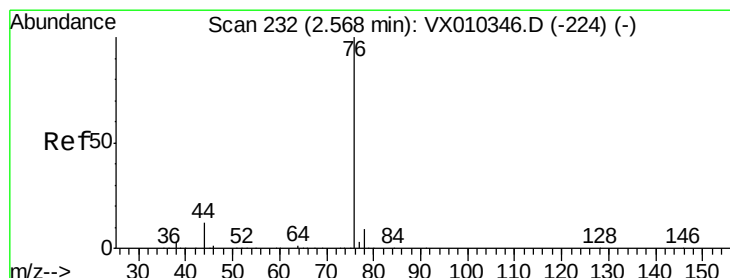
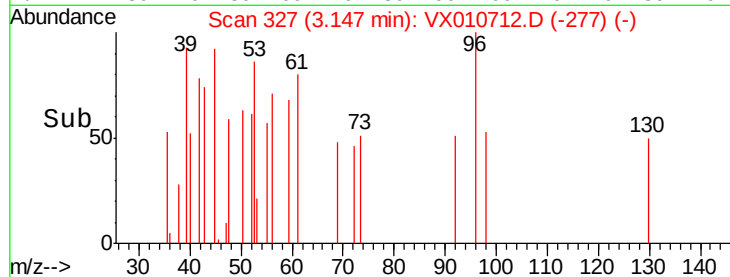
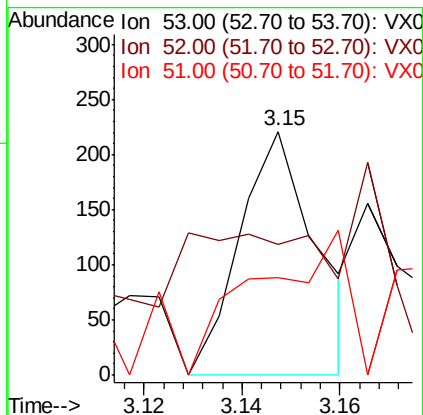
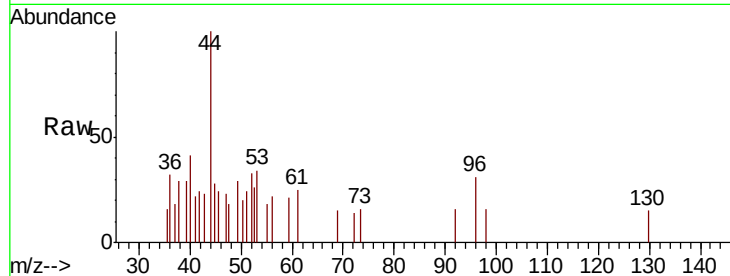
Tot Ion: 53 Resp: 239

Ion Ratio Lower Upper

53 100

52 0.0 65.5 98.3#

51 82.0 28.2 42.4#



#17

Carbon Disulfide

Concen: 0.235 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010712.D

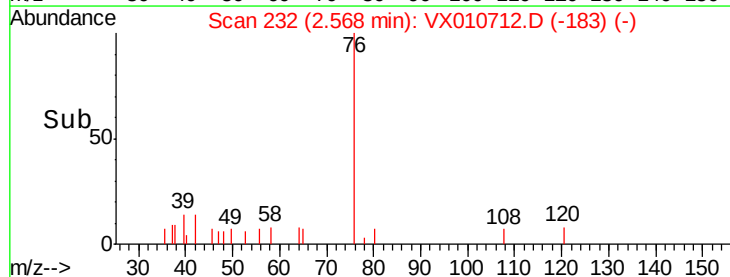
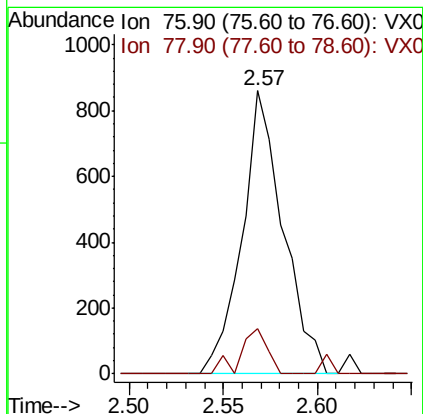
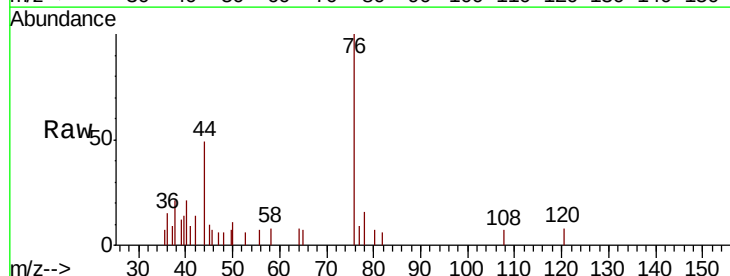
Acq: 08 Jul 2019 22:26

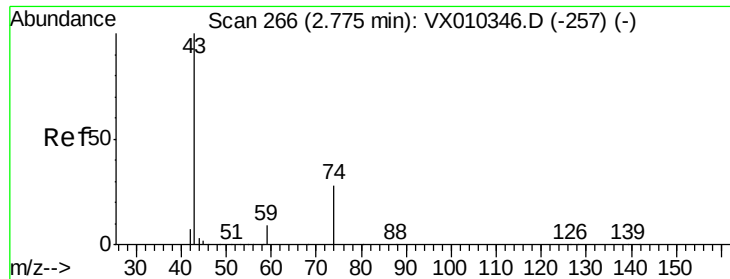
Tgt Ion: 76 Resp: 1302

Ion Ratio Lower Upper

76 100

78 15.9 7.3 10.9#

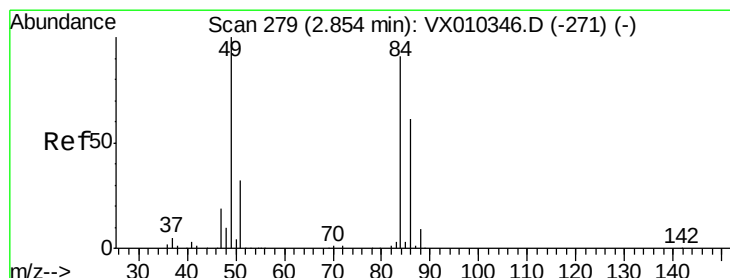
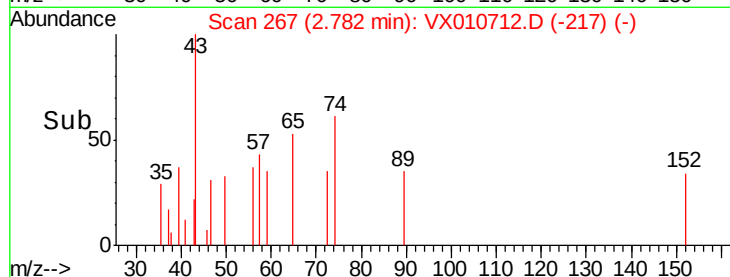
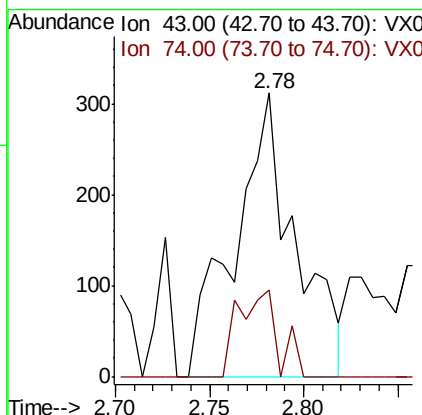
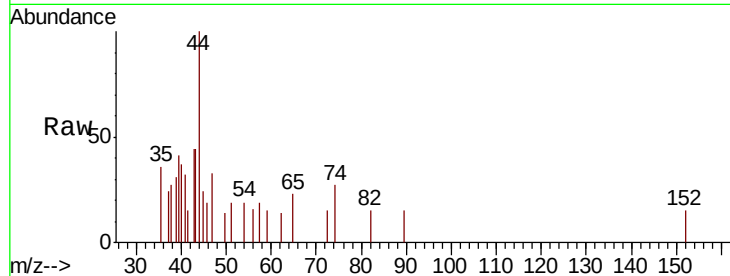




#18
Methyl Acetate
Concen: 0.311 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX010712.D
Acq: 08 Jul 2019 22:26

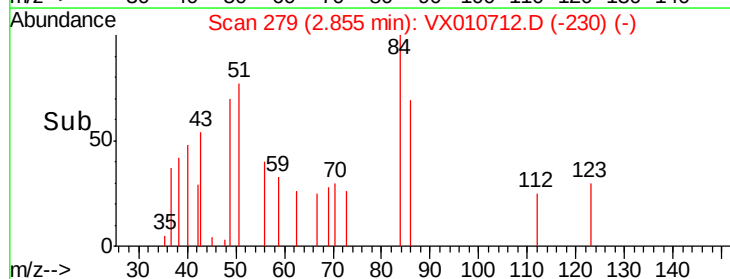
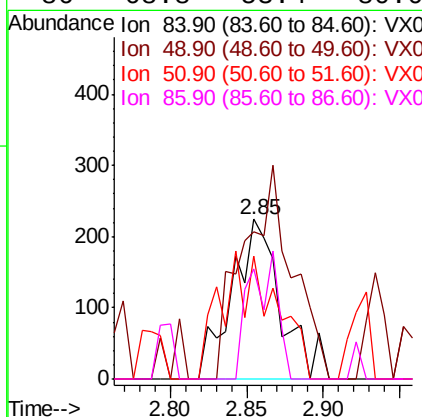
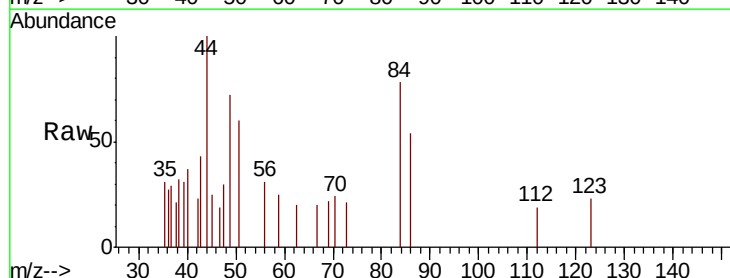
Instrument :
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ClientSampleId :
VX0708WBL02

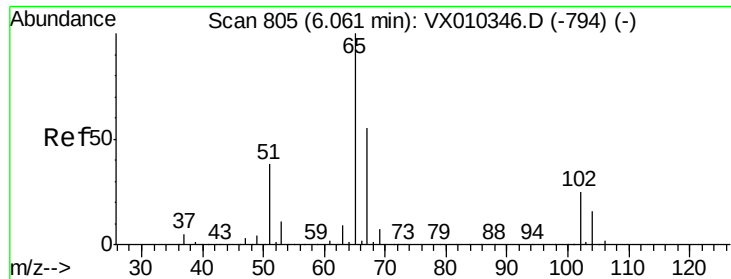
Tot Ion: 43 Resp: 694
Ion Ratio Lower Upper
43 100
74 20.2 21.3 31.9#



#20
Methylene Chloride
Concen: 0.216 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010712.D
Acq: 08 Jul 2019 22:26

Tgt Ion: 84 Resp: 497
Ion Ratio Lower Upper
84 100
49 92.4 87.5 131.3
51 77.2 27.7 41.5#
86 68.8 53.4 80.0

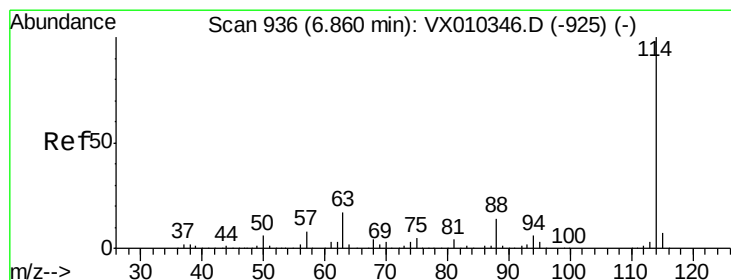
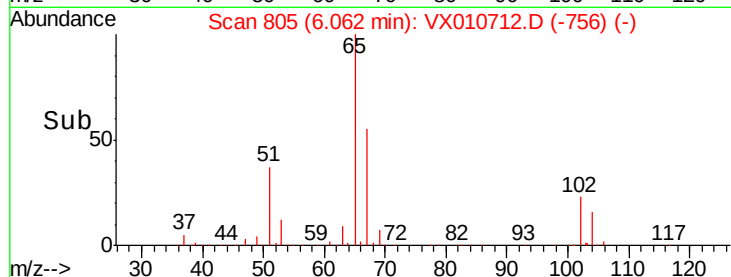
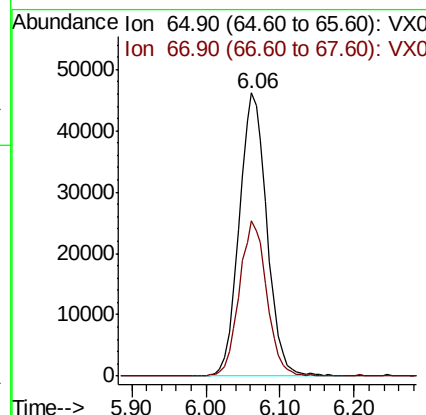
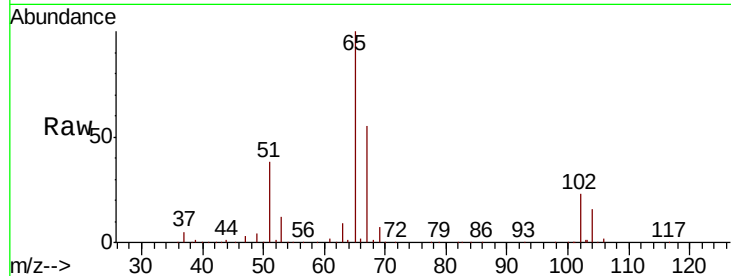




#33
 1,2-Dichloroethane-d4
 Concen: 53.703 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010712.D
 Acq: 08 Jul 2019 22:26

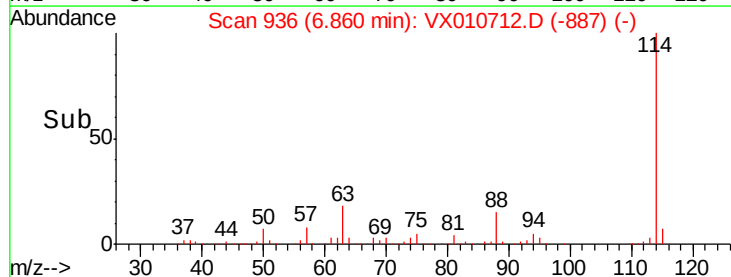
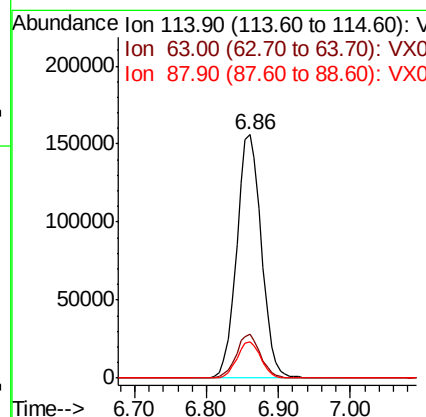
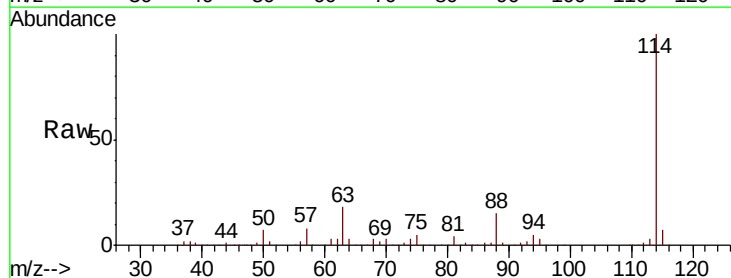
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 MSVOA_X
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 VX0708WBL02

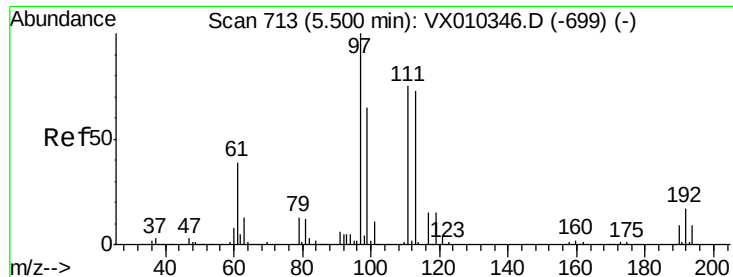
Tot Ion: 65 Resp: 120034
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010712.D
 Acq: 08 Jul 2019 22:26

Tgt Ion: 114 Resp: 370712
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 33.8
 88 15.0 0.0 27.6

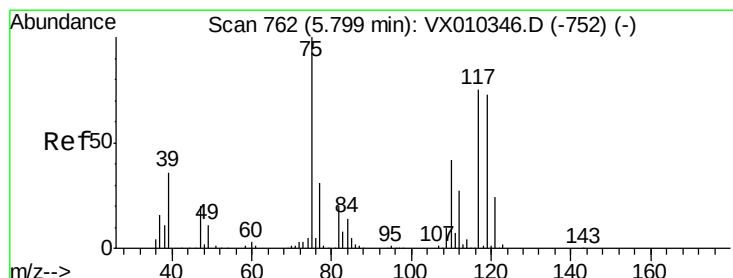
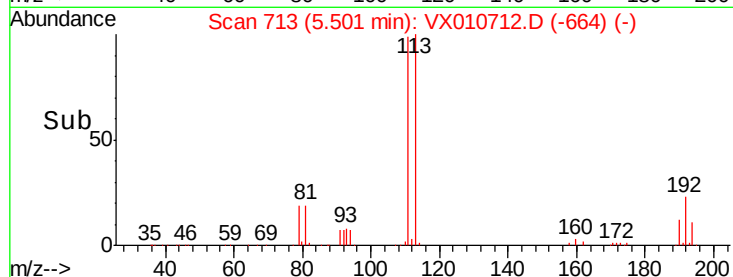
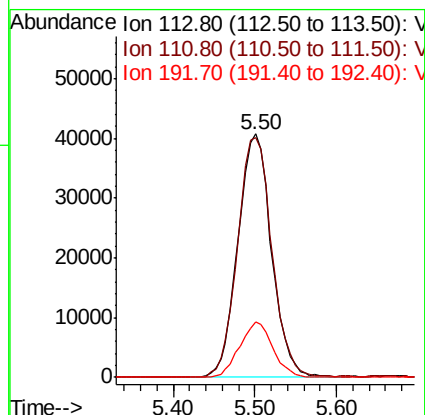
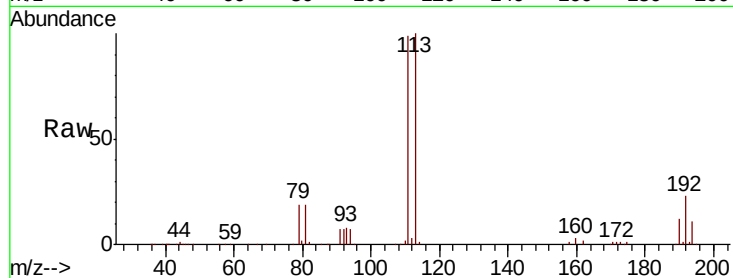




#35
 Dibromofluoromethane
 Concen: 51.310 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010712.D
 Acq: 08 Jul 2019 22:26

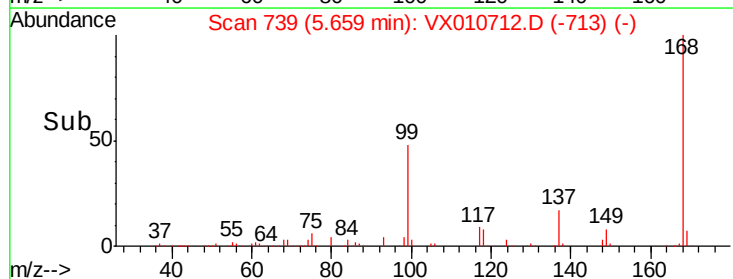
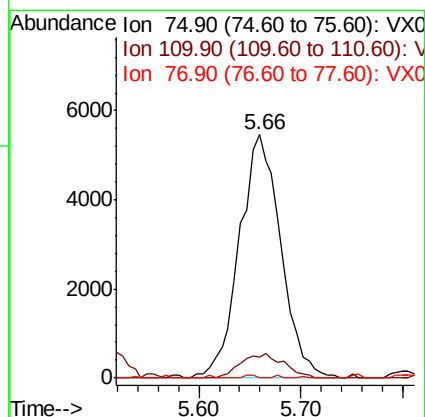
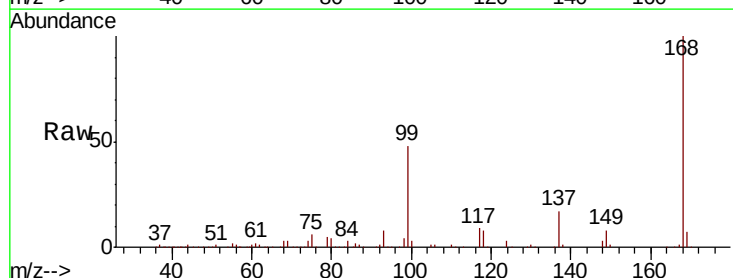
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0708WBL02

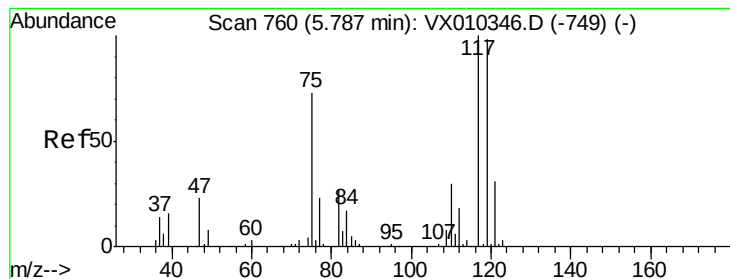
Tot Ion:113 Resp: 116379
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.2 121.8
 192 22.4 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 5.231 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010712.D
 Acq: 08 Jul 2019 22:26

Tgt Ion: 75 Resp: 15411
 Ion Ratio Lower Upper
 75 100
 110 10.4 20.8 62.2#
 77 0.1 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.843 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010712.D

Acq: 08 Jul 2019 22:26

Instrument :

MSVOA_X

ClientSampled :

VX0708WBL02

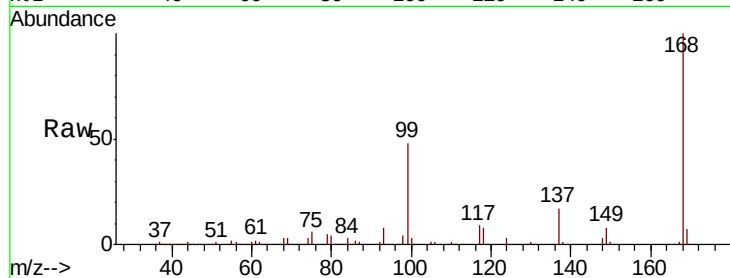
Tot Ion:117 Resp: 21830

Ion Ratio Lower Upper

117 100

119 5.5 78.2 117.4#

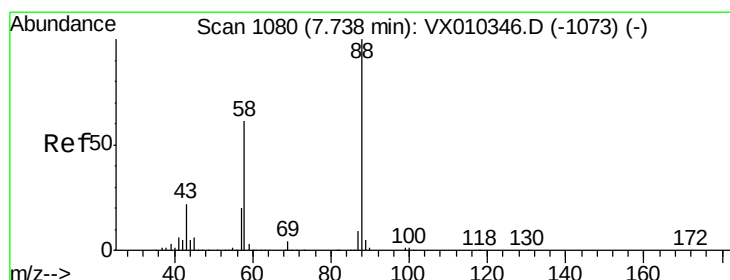
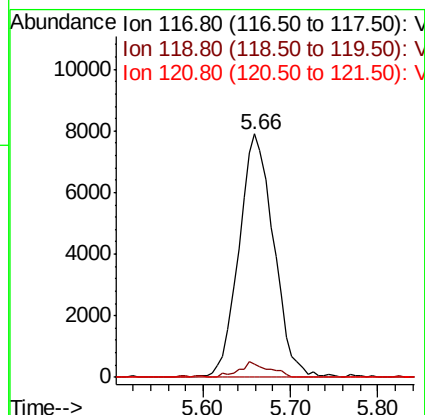
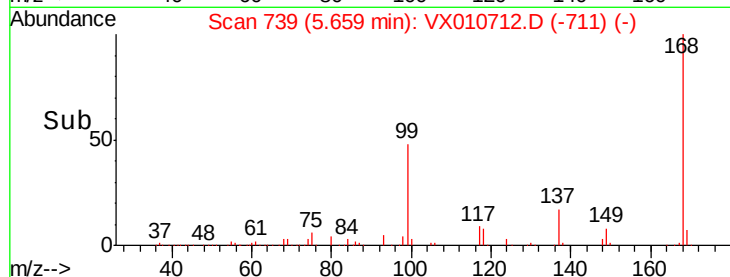
121 0.0 24.7 37.1#



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: 0.313 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX010712.D

Acq: 08 Jul 2019 22:26

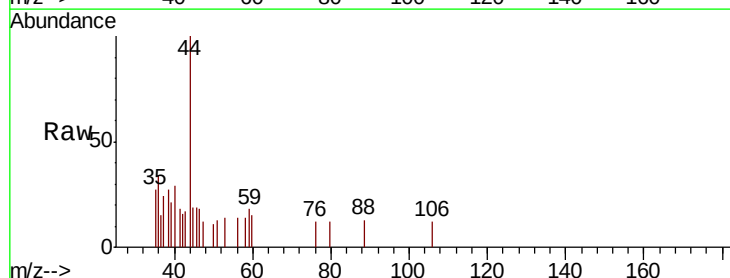
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 276.2 20.2 30.2#

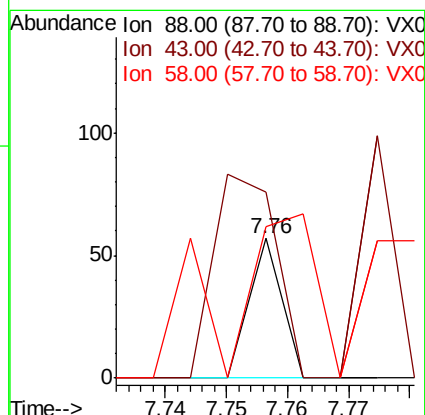
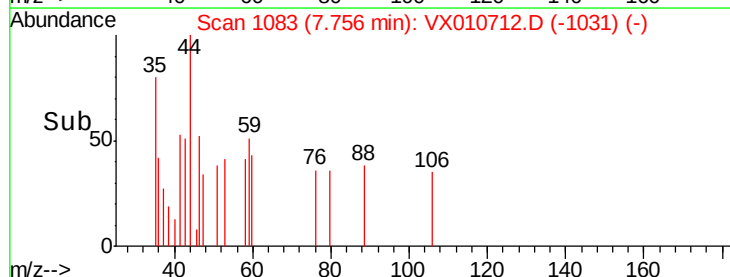
58 323.8 49.5 74.3#

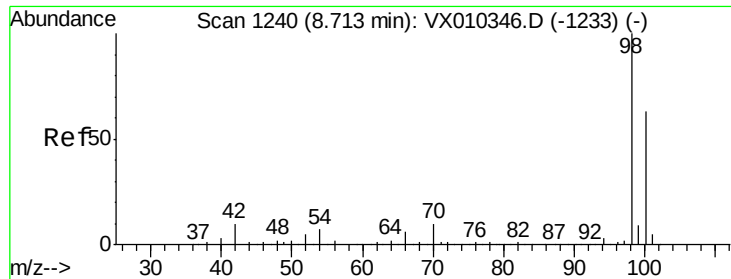


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.874 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010712.D

Acq: 08 Jul 2019 22:26

Instrument :

MSVOA_X

ClientSampleId :

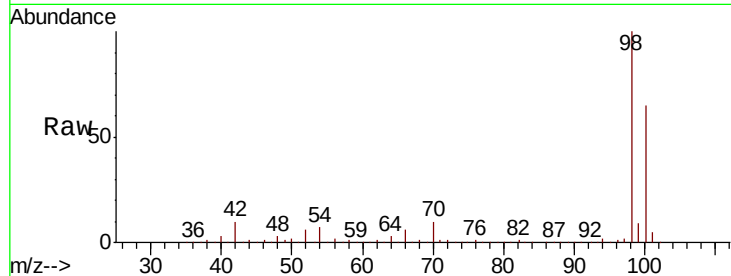
VX0708WBL02

Tot Ion: 98 Resp: 450135

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

300000

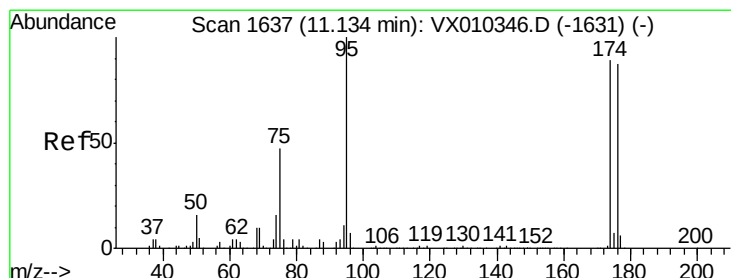
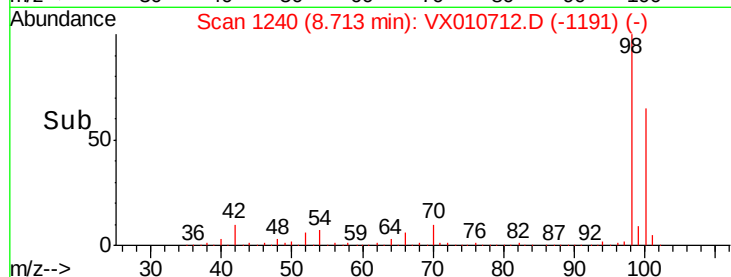
200000

100000

0

Time-->

8.60 8.65 8.70 8.75 8.80



#62

4-Bromofluorobenzene

Concen: 49.494 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010712.D

Acq: 08 Jul 2019 22:26

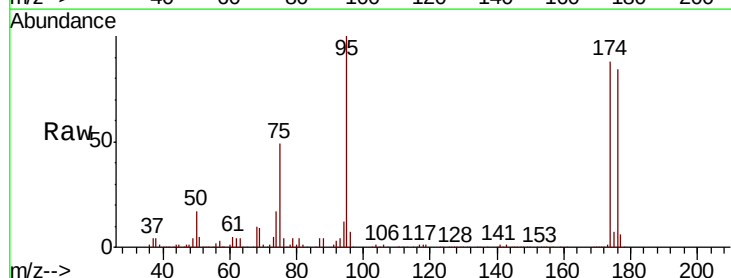
Tgt Ion: 95 Resp: 155055

Ion Ratio Lower Upper

95 100

174 93.8 0.0 187.6

176 89.3 0.0 184.0



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

11.13

150000

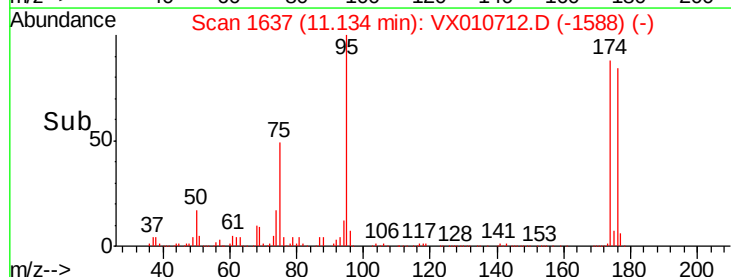
100000

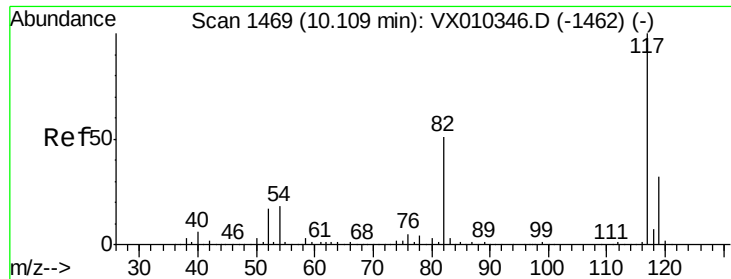
50000

0

Time-->

11.10 11.20

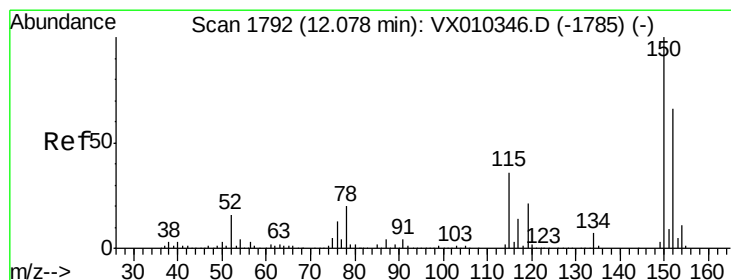
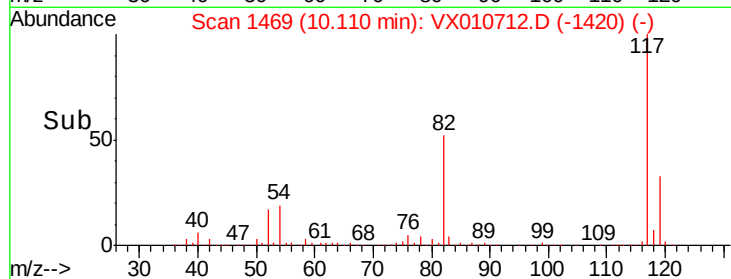
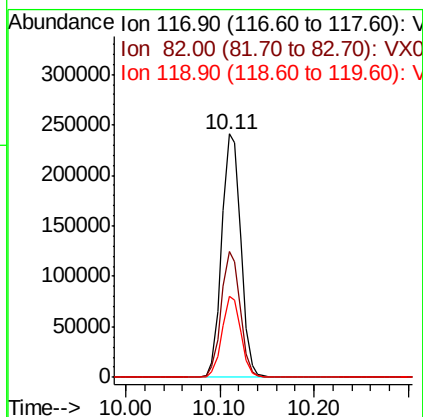
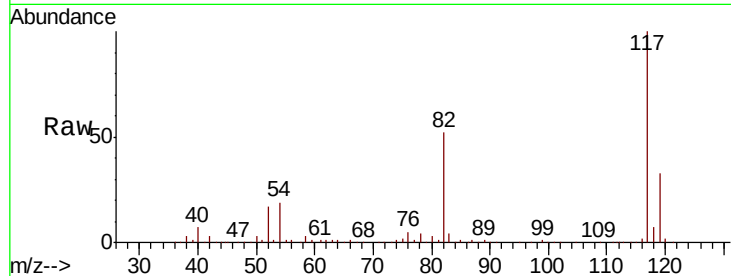




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010712.D
Acq: 08 Jul 2019 22:26

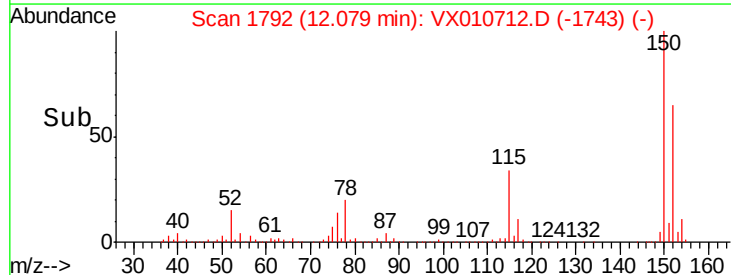
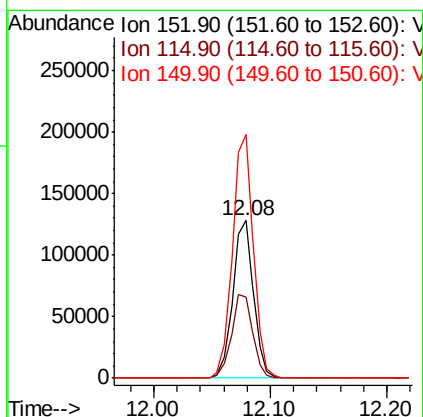
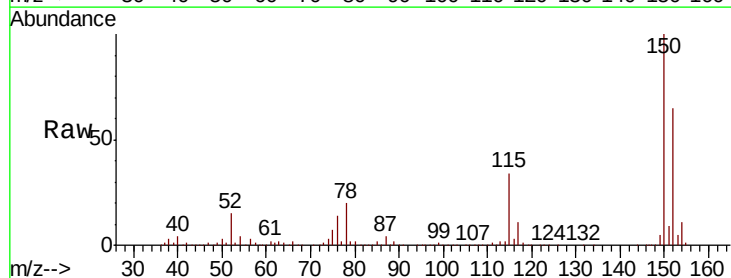
Instrument :
MSVOA_X
ClientSampled :
VX0708WBL02

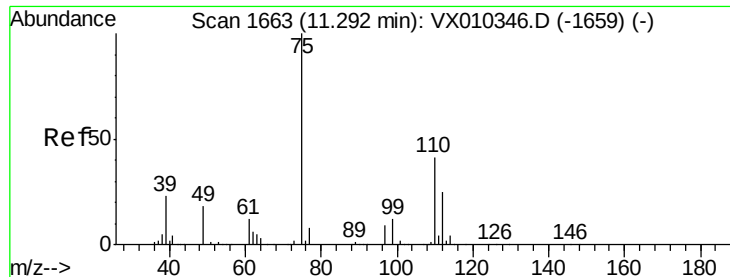
Tot Ion:117 Resp: 339054
Ion Ratio Lower Upper
117 100
82 51.9 41.2 61.8
119 33.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010712.D
Acq: 08 Jul 2019 22:26

Tgt Ion:152 Resp: 158174
Ion Ratio Lower Upper
152 100
115 55.1 38.6 115.7
150 156.4 0.0 347.4

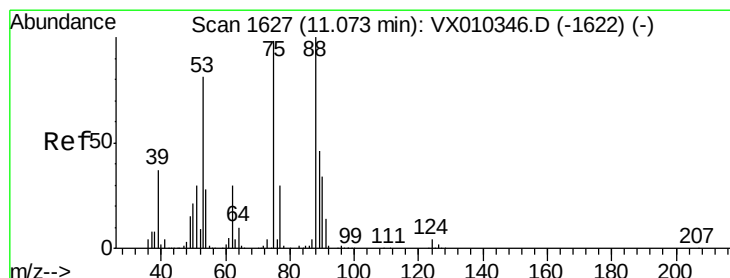
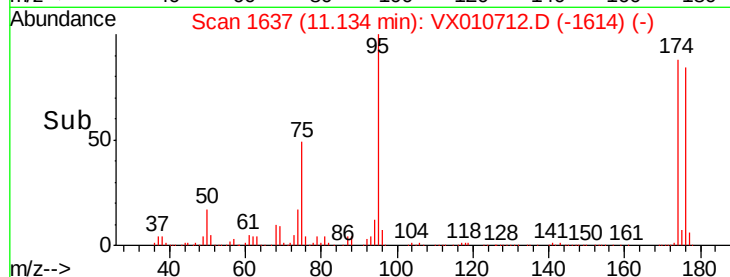
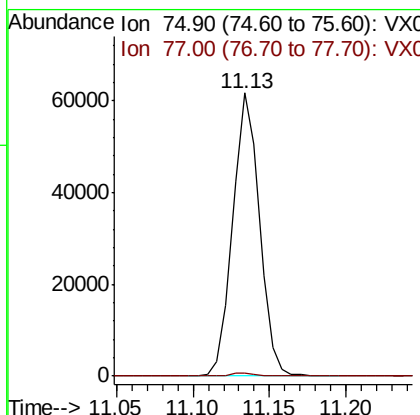
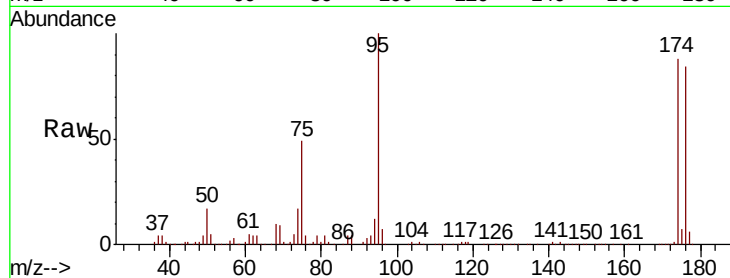




#76
 1,2,3-Trichloropropane
 Concen: 26.003 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010712.D
 Acq: 08 Jul 2019 22:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0708WBL02

Tot Ion: 75 Resp: 74949
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.662 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010712.D
 Acq: 08 Jul 2019 22:26

Tgt Ion: 75 Resp: 74949
 Ion Ratio Lower Upper
 75 100
 53 0.3 66.1 99.1#
 89 0.0 37.8 56.6#

