

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051119\
 Data File : VX009514.D
 Acq On : 11 May 2019 10:48
 Operator : JC/SP
 Sample : VX0511MBL01
 Misc : 5.00uL/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBL01

Quant Time: May 12 01:56:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	196157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	311347	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	266275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113476	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	127634	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
35) Dibromofluoromethane	5.49	113	94024	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
50) Toluene-d8	8.71	98	383786	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	11.13	95	124628	43.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.82%	

Target Compounds

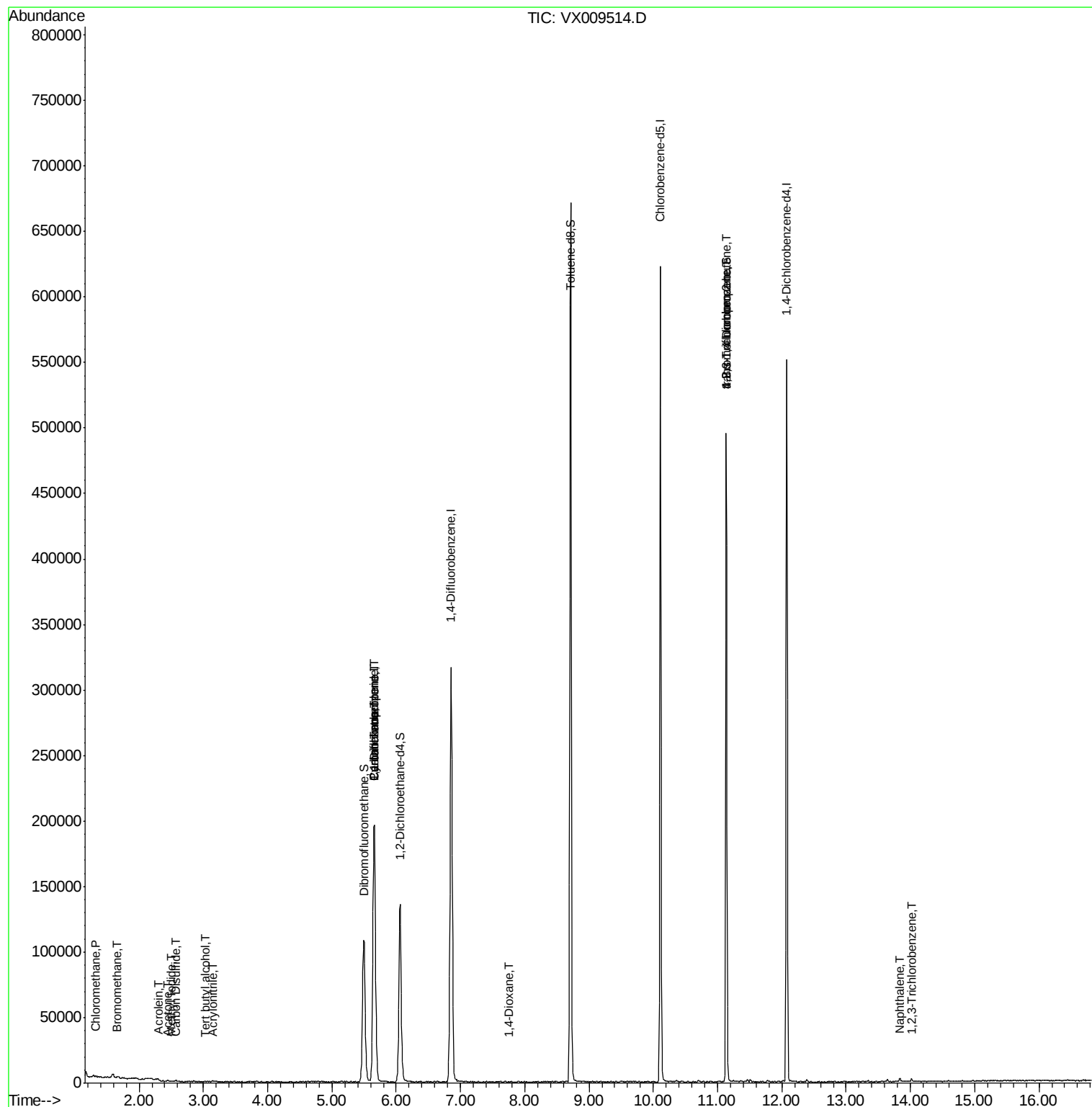
						Qvalue
3) Chloromethane	1.33	50	578	0.234	ug/l #	85
5) Bromomethane	1.65	94	630	0.436	ug/l	86
10) Methyl Iodide	2.51	142	430	4.777	ug/l #	70
11) Tert butyl alcohol	3.02	59	139	0.224	ug/l #	73
13) Acrolein	2.29	56	396	0.705	ug/l	87
15) Acrylonitrile	3.14	53	616	0.406	ug/l #	82
16) Acetone	2.44	43	691	0.481	ug/l	93
17) Carbon Disulfide	2.57	76	1178	0.228	ug/l	100
28) Bromochloromethane	5.01	49	169	Below Cal	#	20
31) Cyclohexane	5.65	56	4582	1.157	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14600	5.046	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18341	6.977	ug/l #	15
49) 1,4-Dioxane	7.75	88	48	0.740	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	65792	24.995	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	65792	63.953	ug/l #	10
95) Naphthalene	13.83	128	1730	0.209	ug/l	97
96) 1,2,3-Trichlorobenzene	14.02	180	540	0.209	ug/l	99

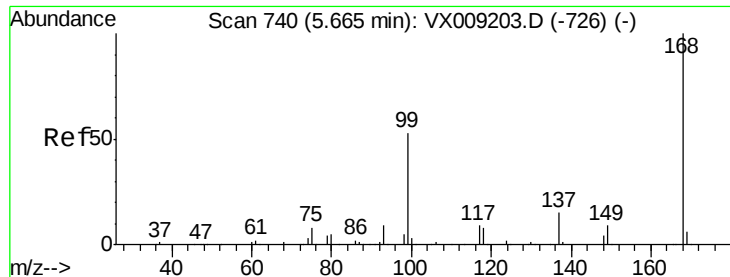
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051119\
Data File : VX009514.D
Acq On : 11 May 2019 10:48
Operator : JC/SP
Sample : VX0511MBL01
Misc : 5.00µ/10mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBL01

Quant Time: May 12 01:56:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 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: VX009514.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

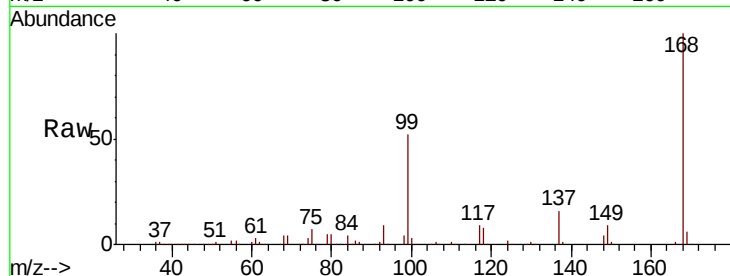
VX0511MBL01

Tot Ion:168 Resp: 196157

Ion Ratio Lower Upper

168 100

99 51.8 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

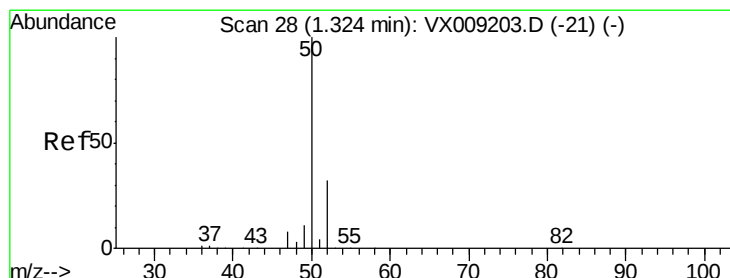
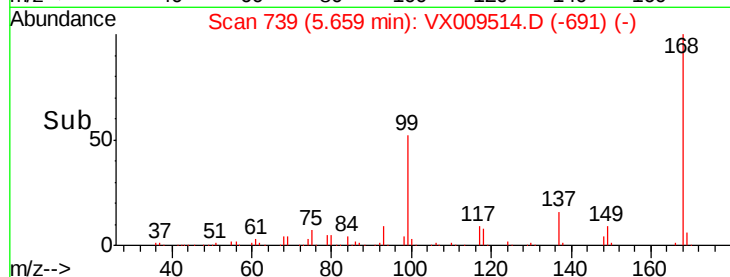
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.234 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009514.D

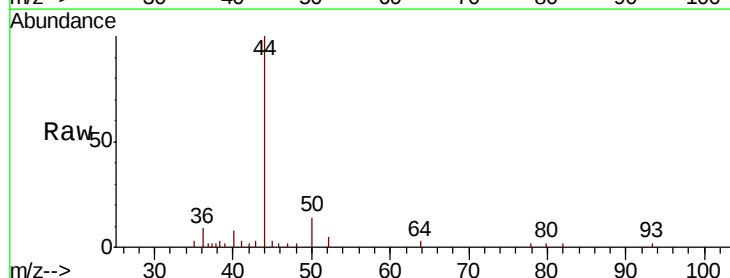
Acq: 11 May 2019 10:48

Tgt Ion: 50 Resp: 578

Ion Ratio Lower Upper

50 100

52 23.8 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

500

400

300

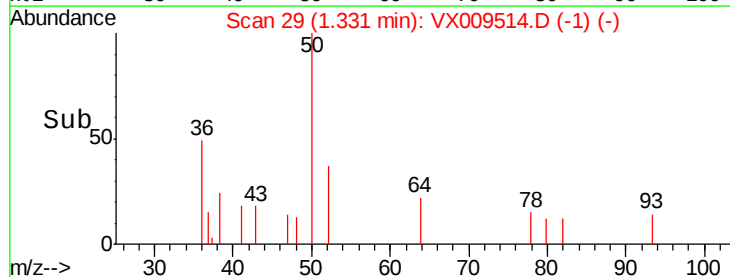
200

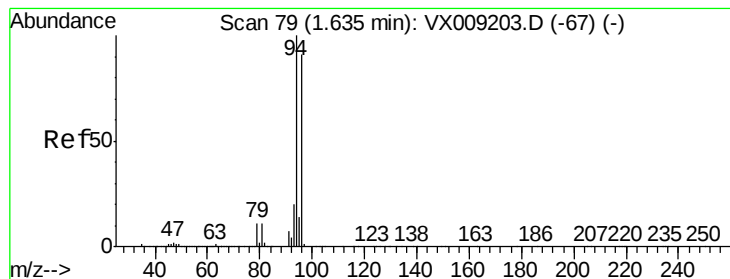
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.436 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX009514.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

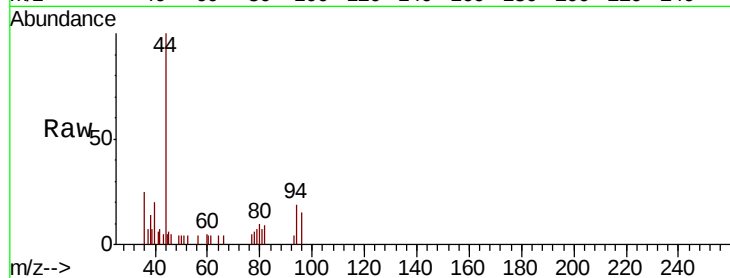
VX0511MBL01

Tot Ion: 94 Resp: 630

Ion Ratio Lower Upper

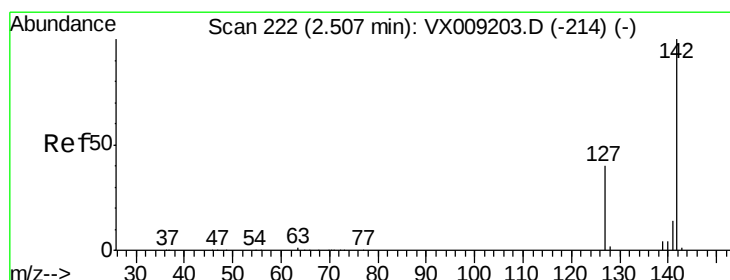
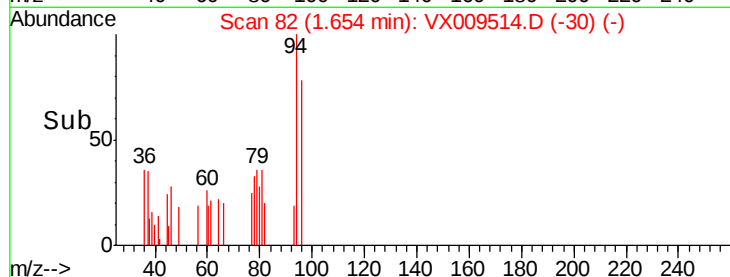
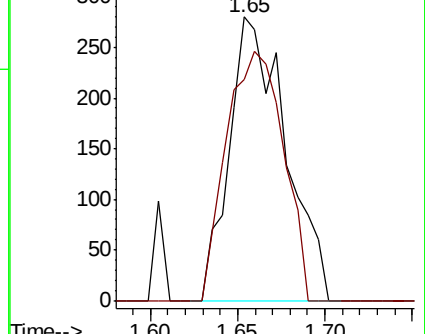
94 100

96 78.2 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.777 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009514.D

Acq: 11 May 2019 10:48

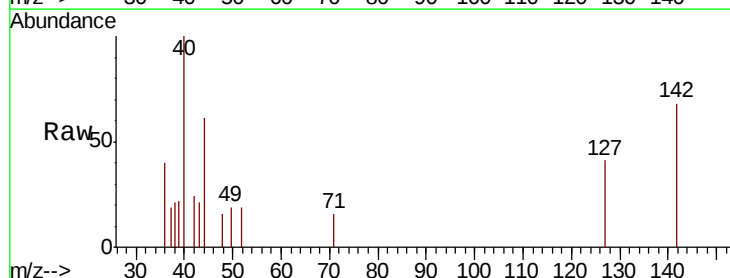
Tgt Ion: 142 Resp: 430

Ion Ratio Lower Upper

142 100

127 58.8 32.7 49.1#

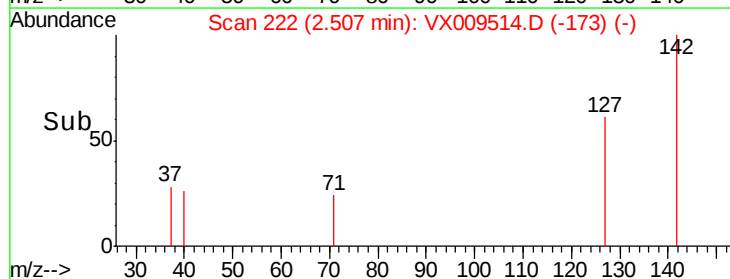
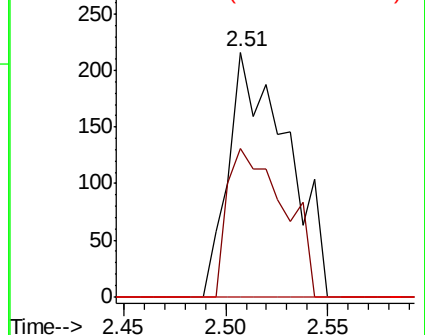
141 0.0 11.5 17.3#

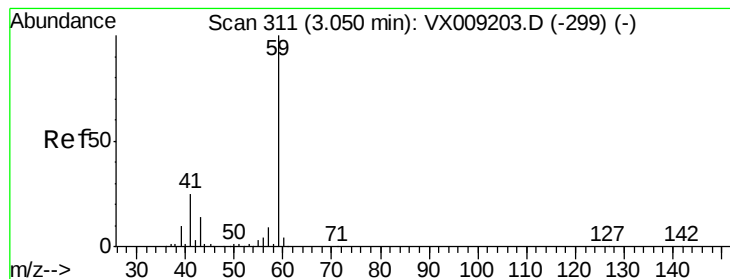


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



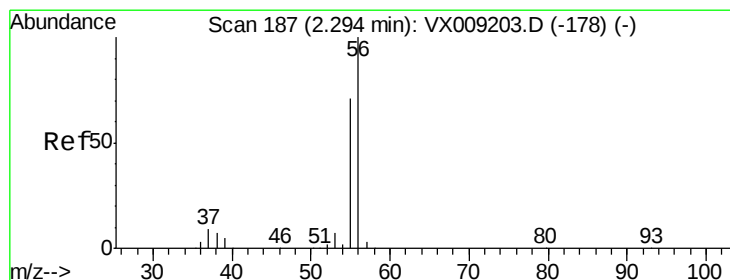
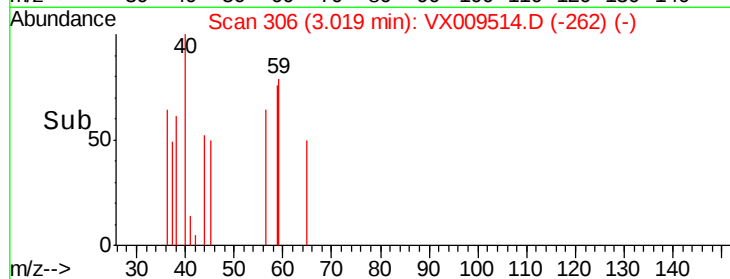
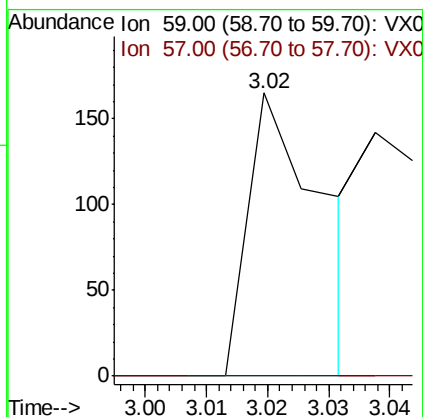
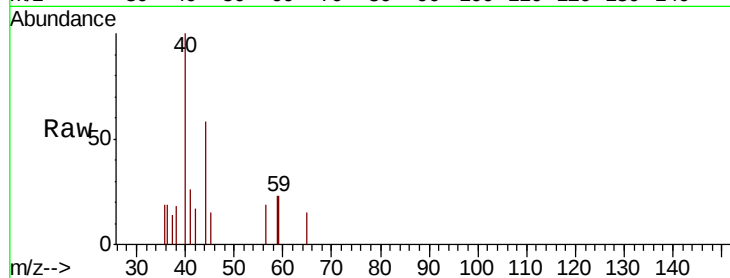


#11

Tert butvl alcohol
 Concen: 0.224 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX009514.D
 Acq: 11 May 2019 10:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBL01

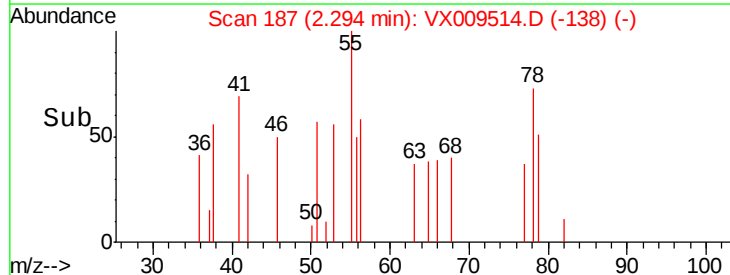
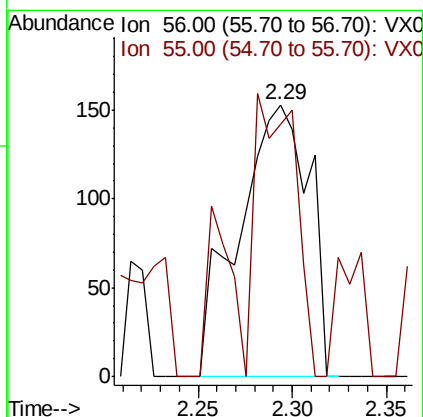
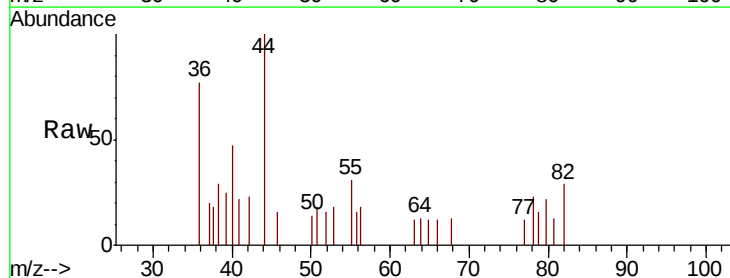
Tot Ion: 59 Resp: 139
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

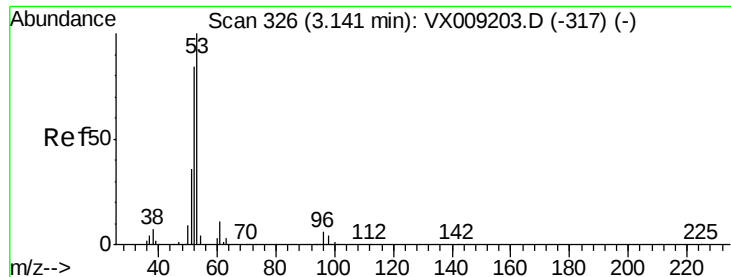


#13

Acrolein
 Concen: 0.705 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX009514.D
 Acq: 11 May 2019 10:48

Tgt Ion: 56 Resp: 396
 Ion Ratio Lower Upper
 56 100
 55 59.8 56.6 85.0





#15

Acrylonitrile

Concen: 0.406 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009514.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_X

ClientSampled :

VX0511MBL01

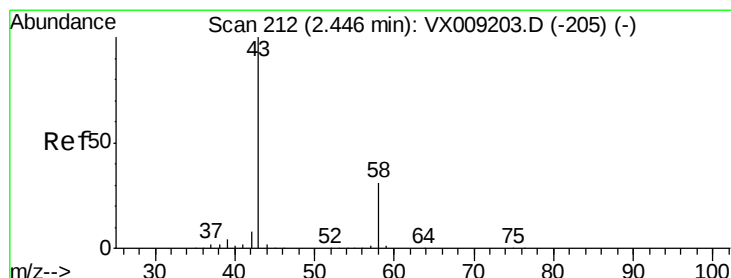
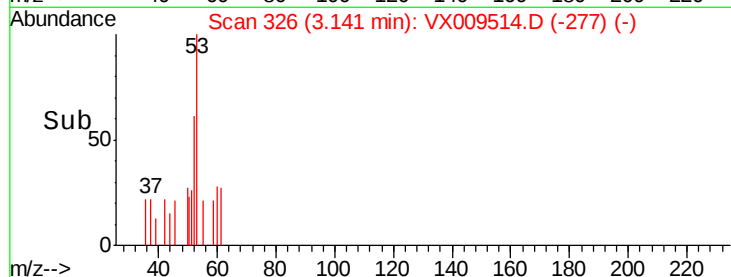
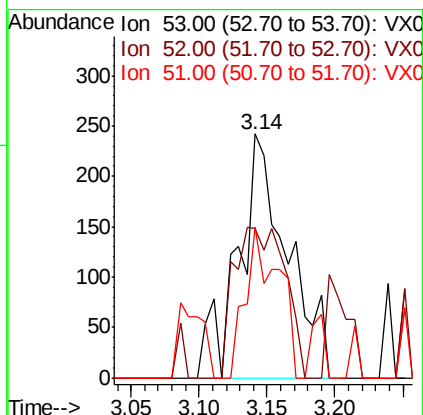
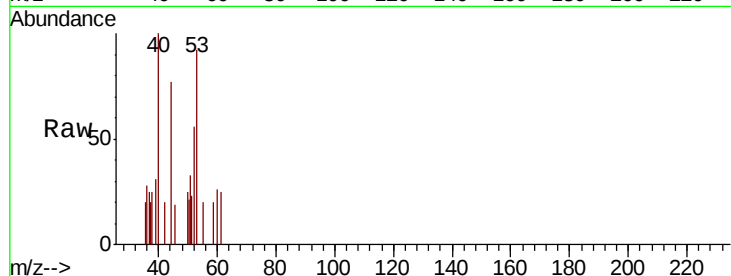
Tot Ion: 53 Resp: 616

Ion Ratio Lower Upper

53 100

52 64.1 66.9 100.3#

51 41.6 28.2 42.2



#16

Acetone

Concen: 0.481 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009514.D

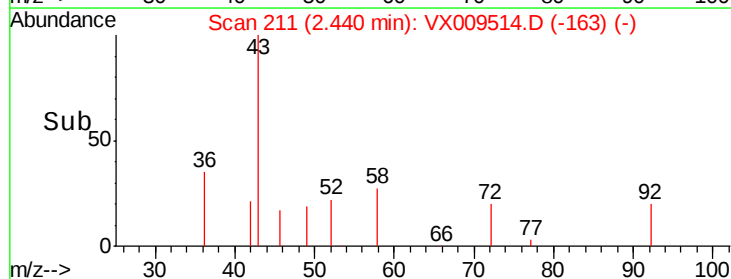
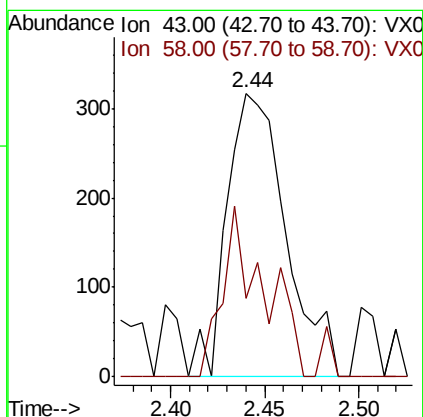
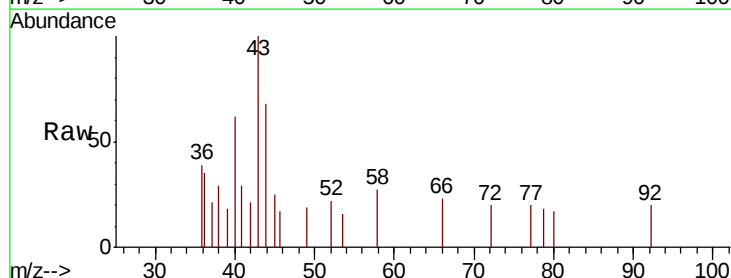
Acq: 11 May 2019 10:48

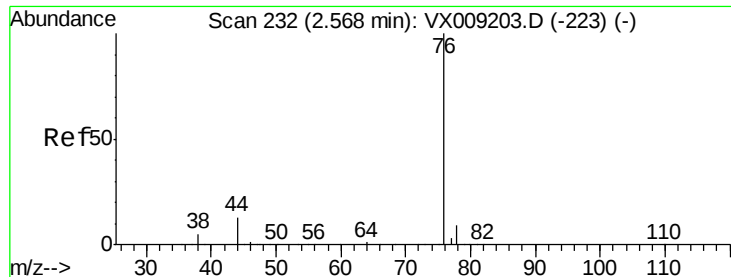
Tgt Ion: 43 Resp: 691

Ion Ratio Lower Upper

43 100

58 27.4 24.9 37.3





#17

Carbon Disulfide

Concen: 0.228 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009514.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

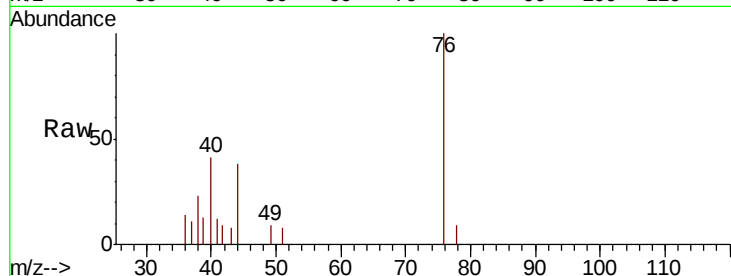
VX0511MBL01

Tot Ion: 76 Resp: 1178

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

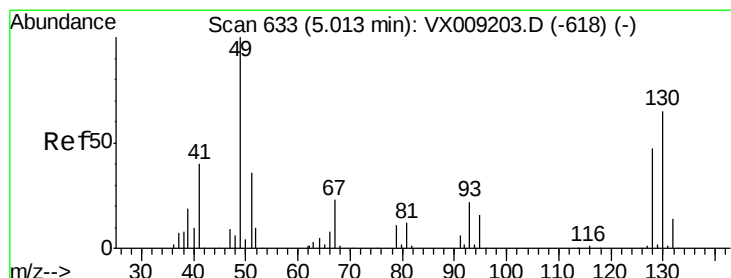
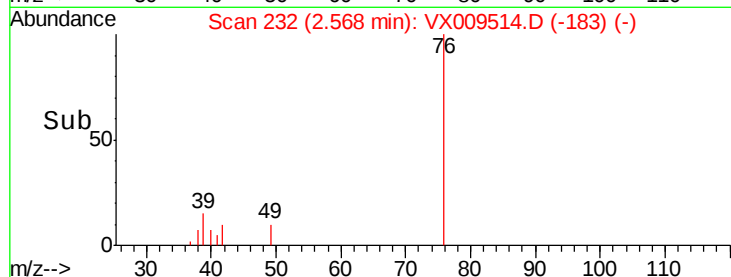
600

400

200

0

Time-->



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX009514.D

Acq: 11 May 2019 10:48

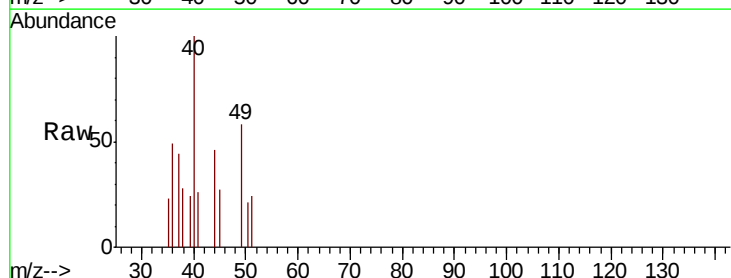
Tgt Ion: 49 Resp: 169

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#



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

200

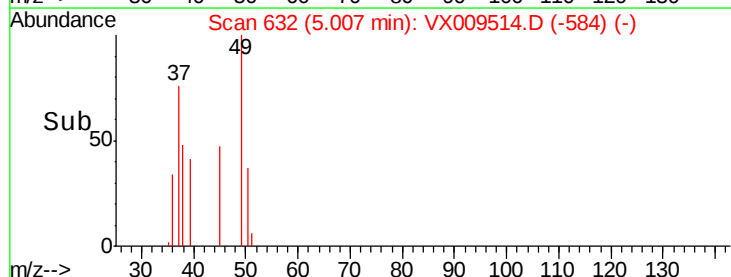
150

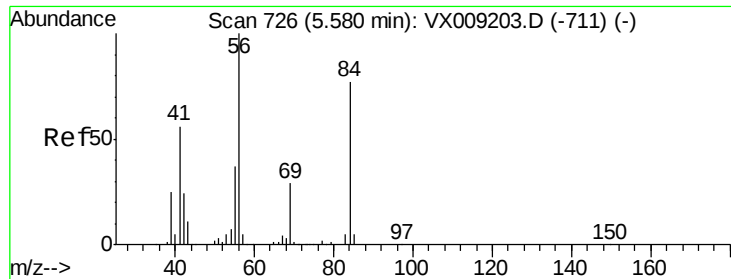
100

50

0

Time-->

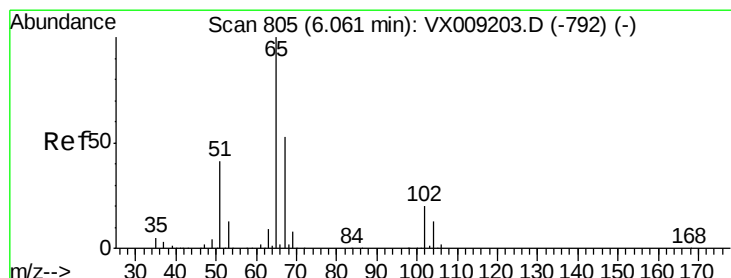
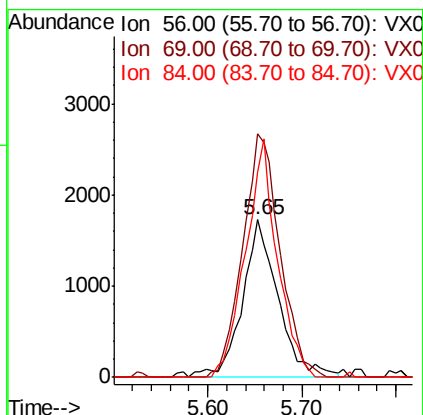
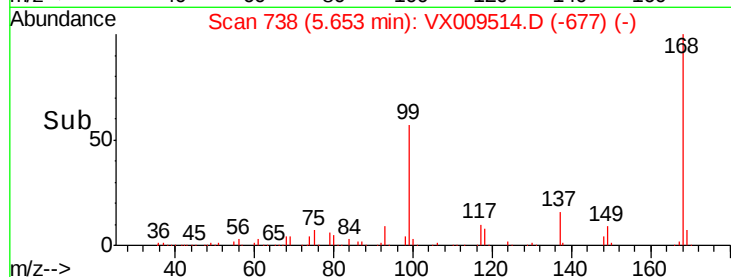
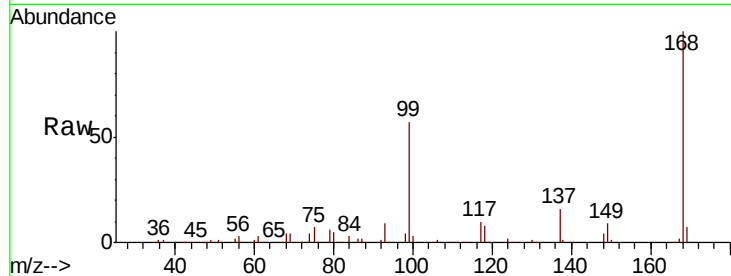




#31
Cyclohexane
Concen: 1.157 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX009514.D
Acq: 11 May 2019 10:48

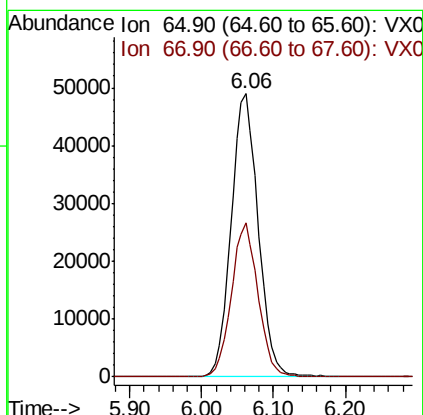
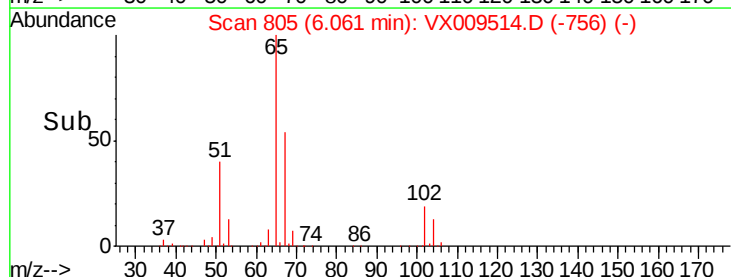
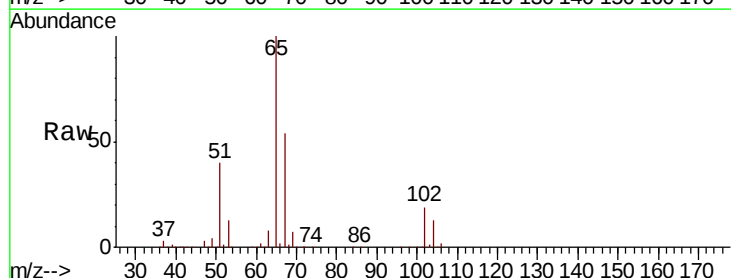
Instrument :
MSVOA_X
ClientSampleId :
VX0511MBL01

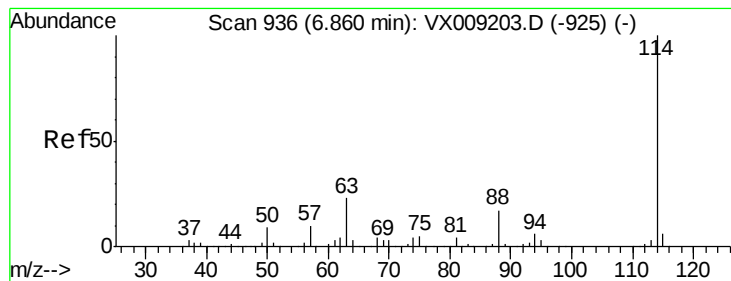
Tot Ion: 56 Resp: 4582
Ion Ratio Lower Upper
56 100
69 154.8 23.4 35.0#
84 130.9 61.9 92.9#



#33
1,2-Dichloroethane-d4
Concen: 47.664 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009514.D
Acq: 11 May 2019 10:48

Tgt Ion: 65 Resp: 127634
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009514.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBL01

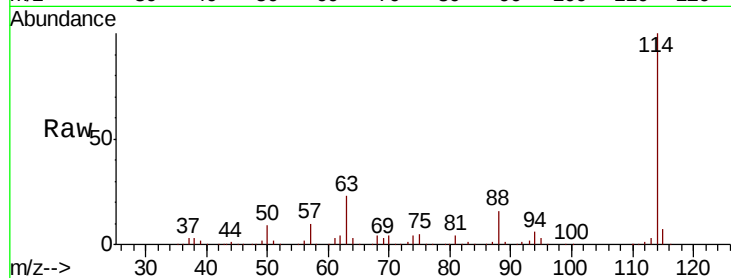
Tot Ion:114 Resp: 311347

Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.6

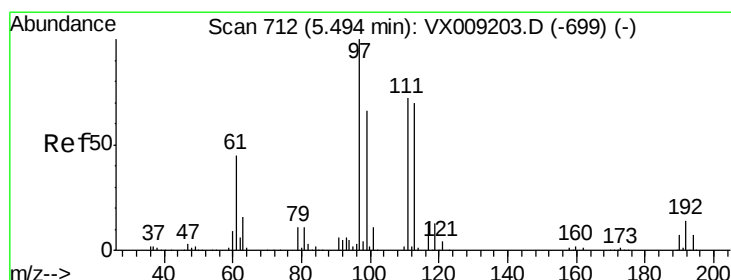
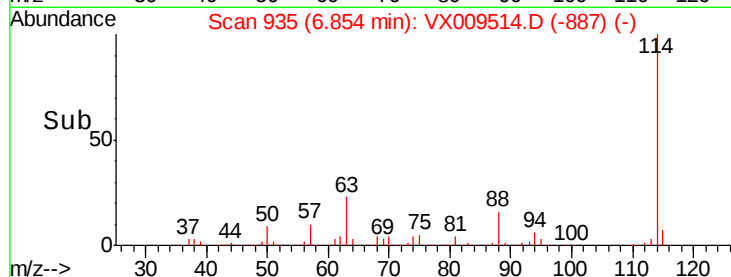
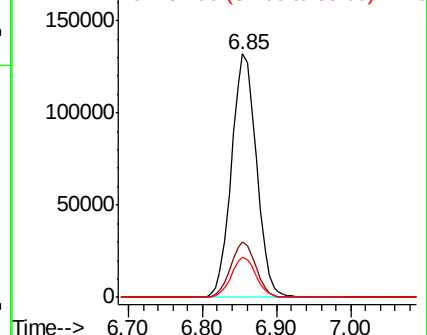
88 16.4 0.0 33.2



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: 48.039 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009514.D

Acq: 11 May 2019 10:48

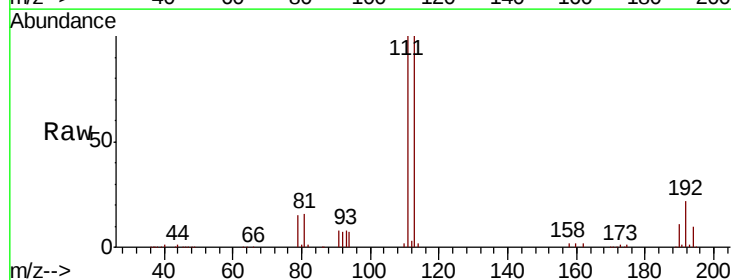
Tgt Ion:113 Resp: 94024

Ion Ratio Lower Upper

113 100

111 103.1 82.8 124.2

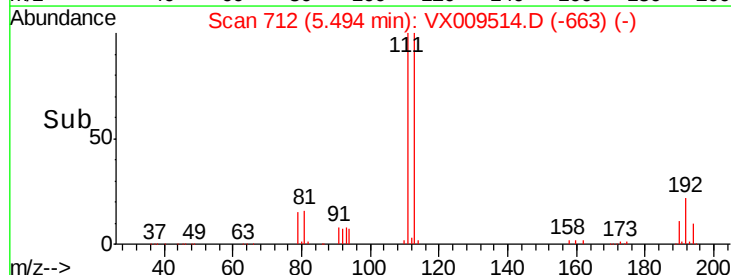
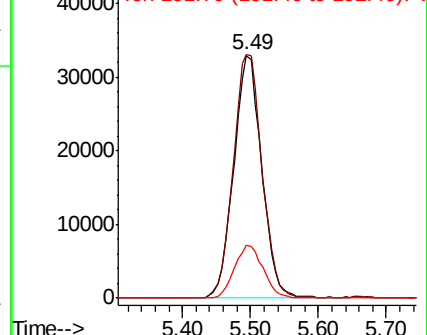
192 22.1 17.0 25.6

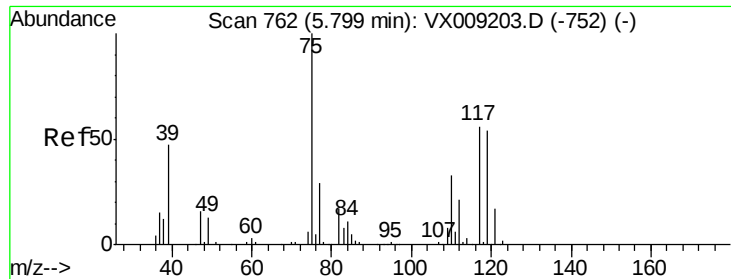


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.046 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009514.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBL01

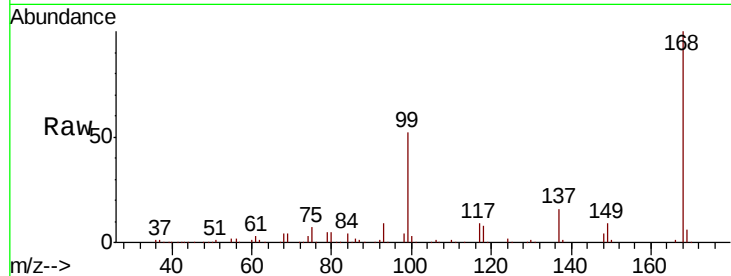
Tot Ion: 75 Resp: 14600

Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.6#

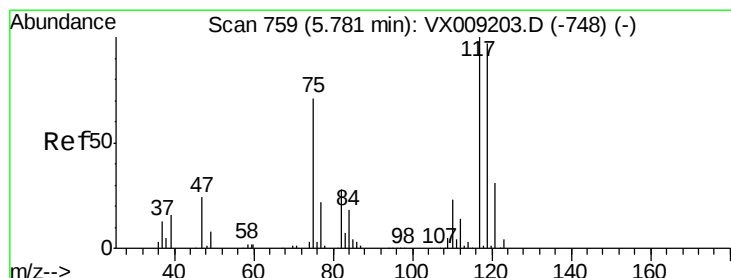
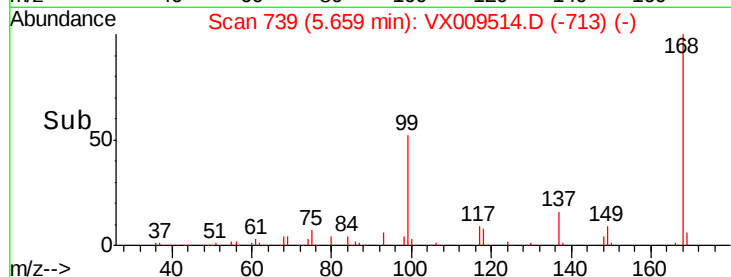
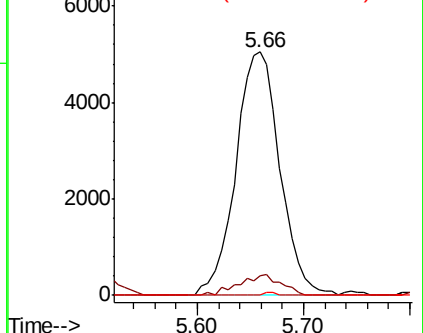
77 0.3 24.8 37.2#



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: 6.977 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX009514.D

Acq: 11 May 2019 10:48

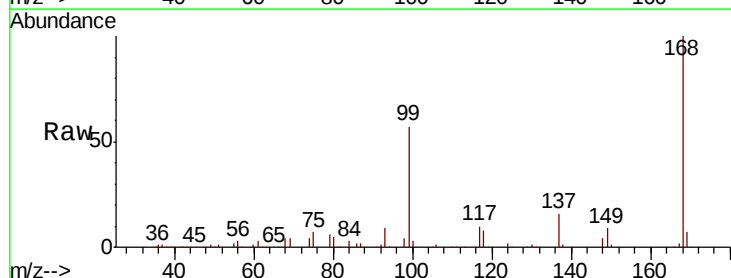
Tgt Ion: 117 Resp: 18341

Ion Ratio Lower Upper

117 100

119 4.6 77.5 116.3#

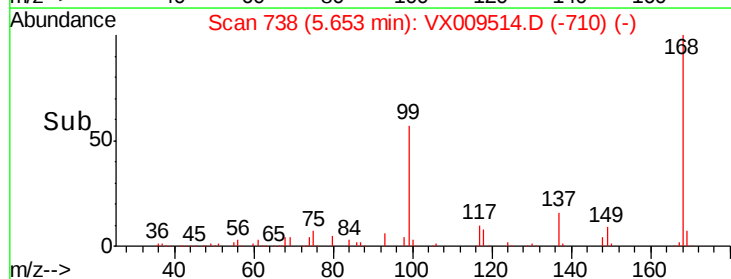
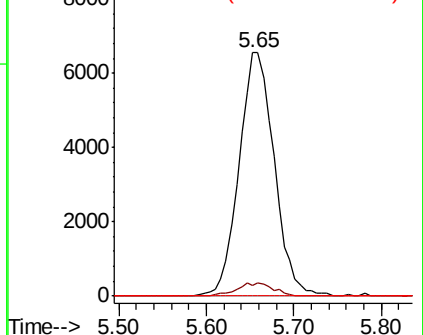
121 0.0 24.7 37.1#

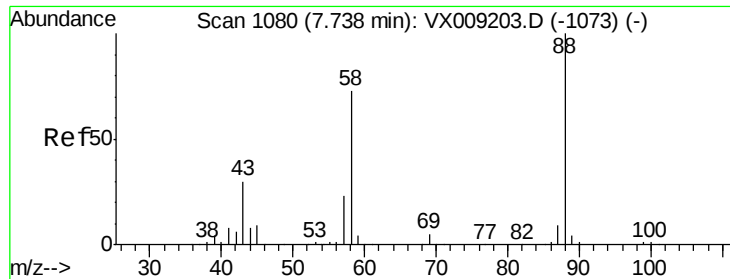


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.740 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VX009514.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBL01

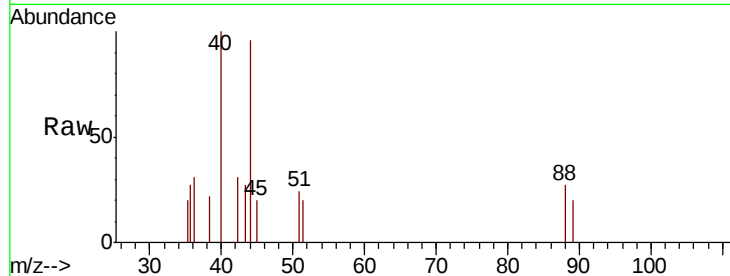
Tot Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 56.3 28.6 42.8#

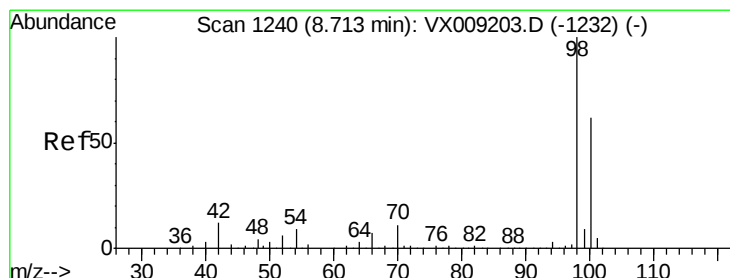
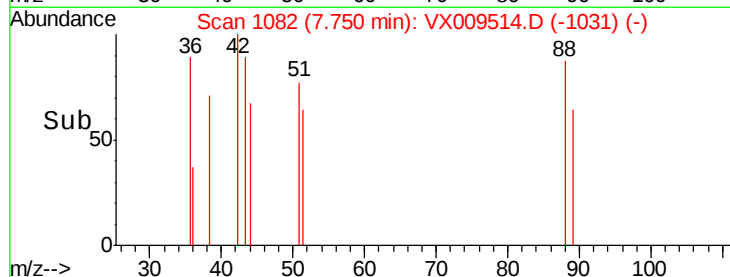
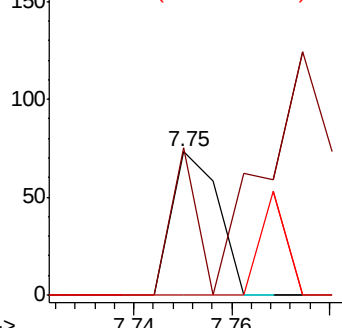
58 0.0 61.7 92.5#



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: 48.569 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009514.D

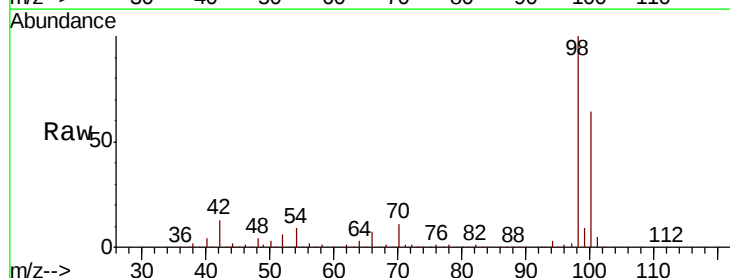
Acq: 11 May 2019 10:48

Tgt Ion: 98 Resp: 383786

Ion Ratio Lower Upper

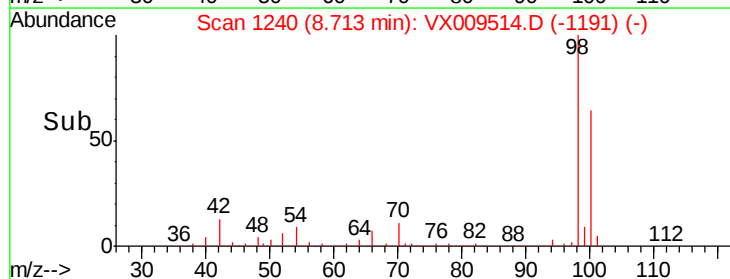
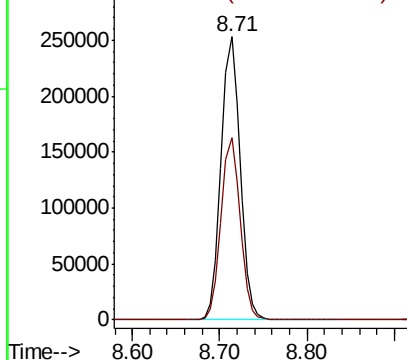
98 100

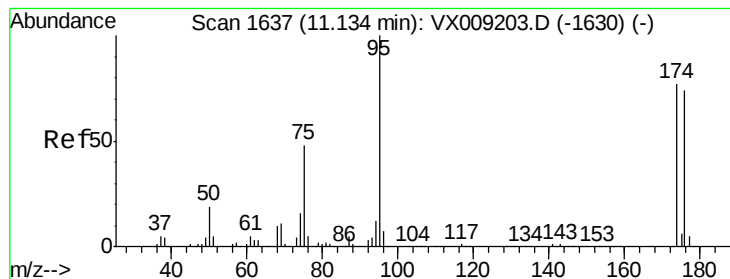
100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.405 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009514.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_X

ClientSampled :

VX0511MBL01

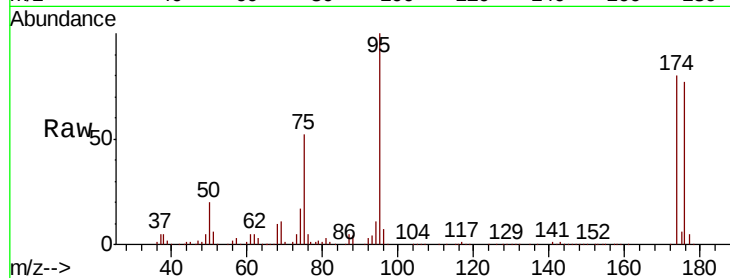
Tot Ion: 95 Resp: 124628

Ion Ratio Lower Upper

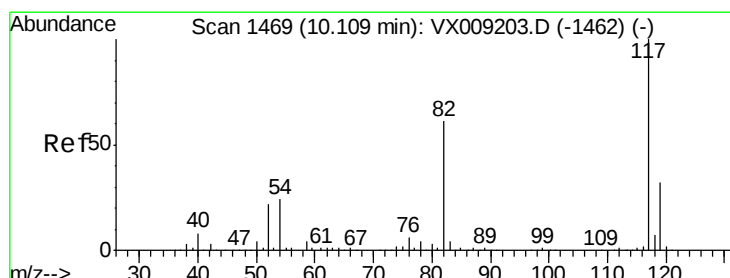
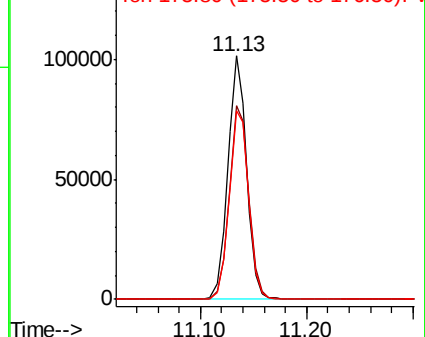
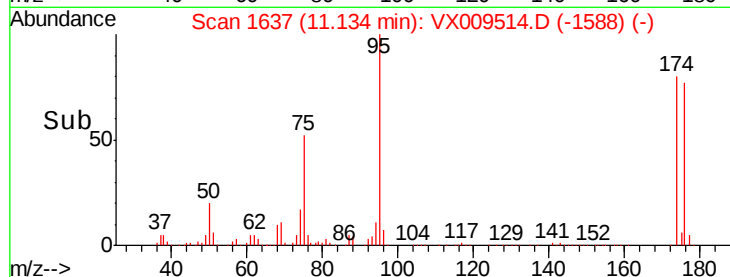
95 100

174 82.8 0.0 161.6

176 80.7 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009514.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009514.D

Acq: 11 May 2019 10:48

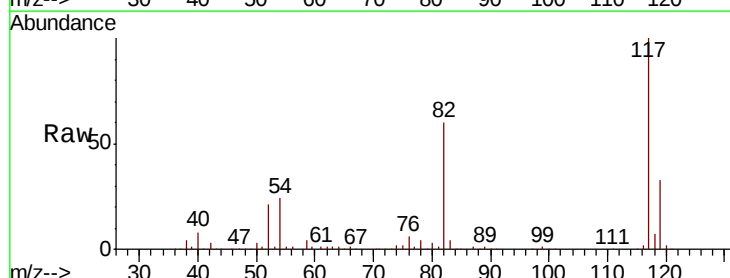
Tgt Ion: 117 Resp: 266275

Ion Ratio Lower Upper

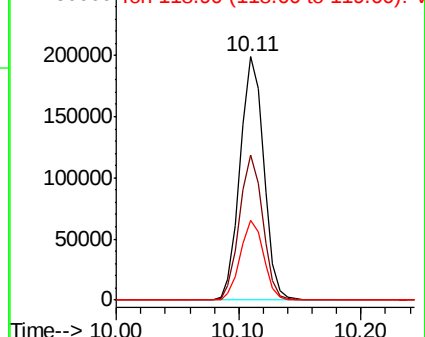
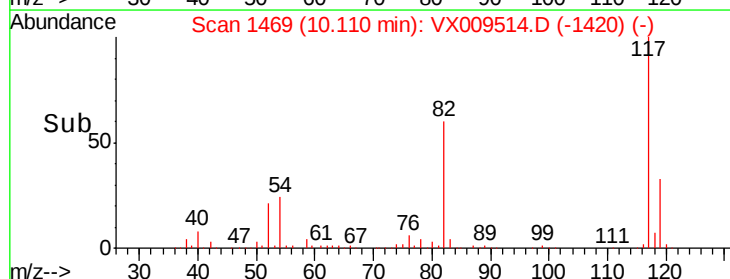
117 100

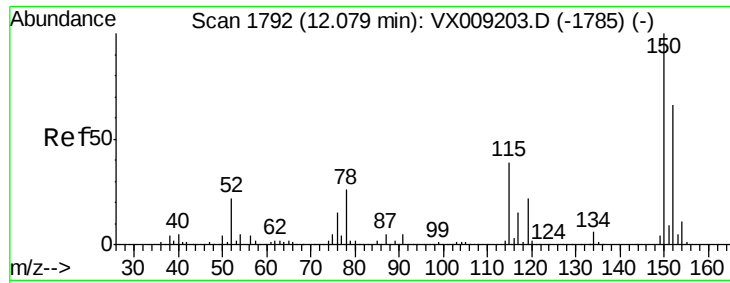
82 59.6 48.8 73.2

119 32.7 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX009514.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009514.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBL01

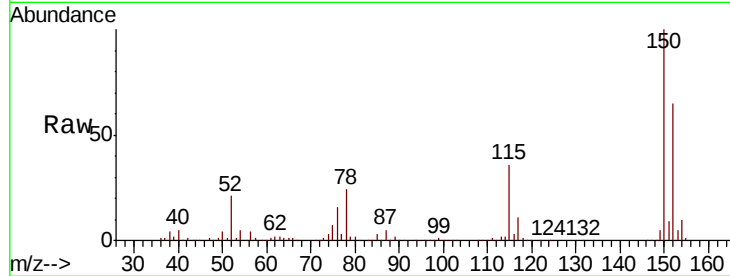
Tot Ion:152 Resp: 113476

Ion Ratio Lower Upper

152 100

115 57.8 41.2 123.6

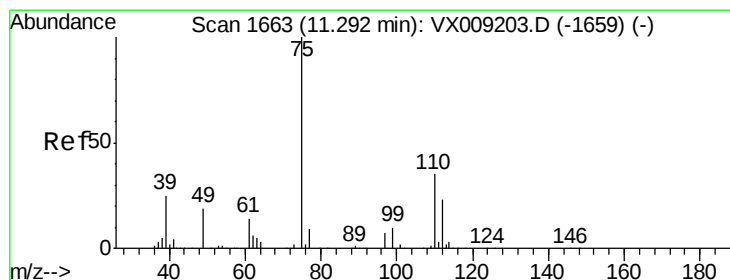
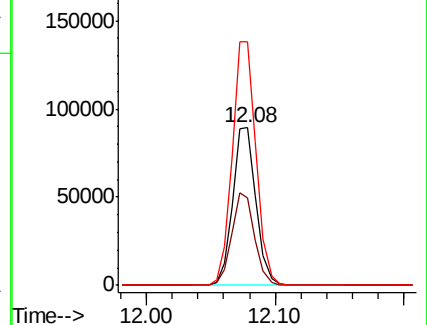
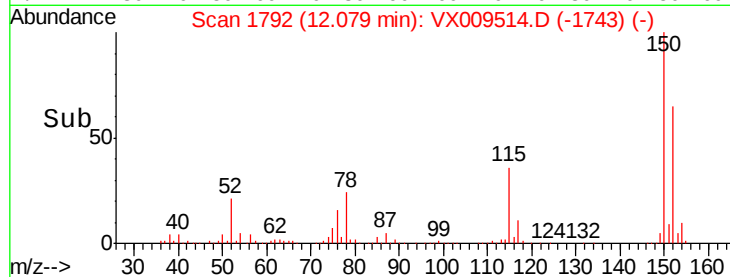
150 157.8 0.0 346.4



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: 24.995 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009514.D

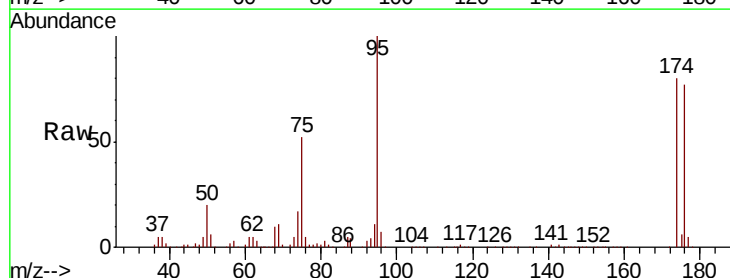
Acq: 11 May 2019 10:48

Tgt Ion: 75 Resp: 65792

Ion Ratio Lower Upper

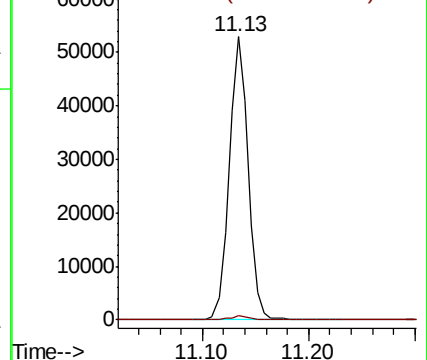
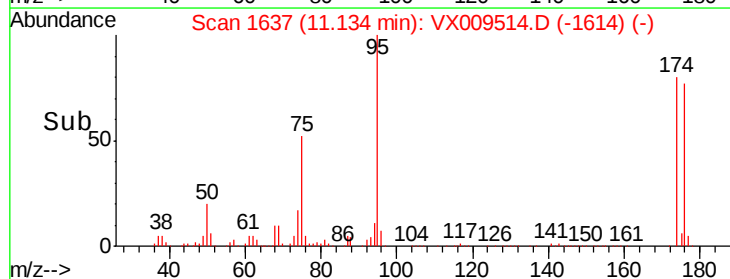
75 100

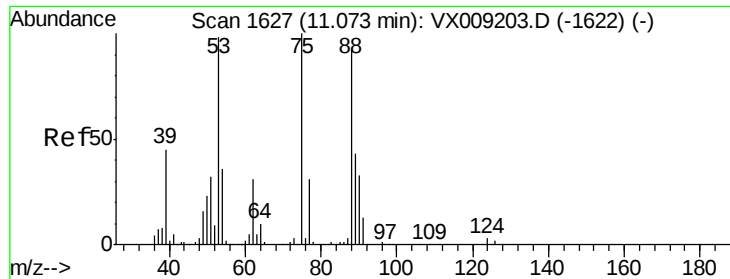
77 1.2 22.1 66.1#



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: 63.953 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009514.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBL01

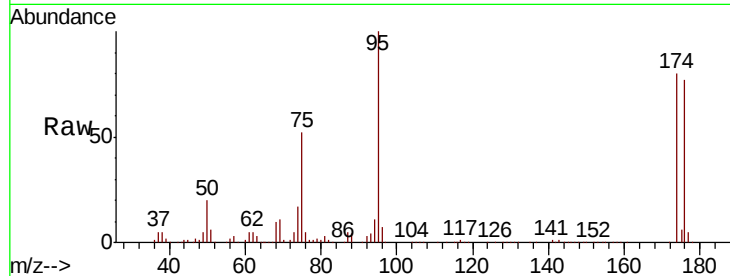
Tot Ion: 75 Resp: 65792

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

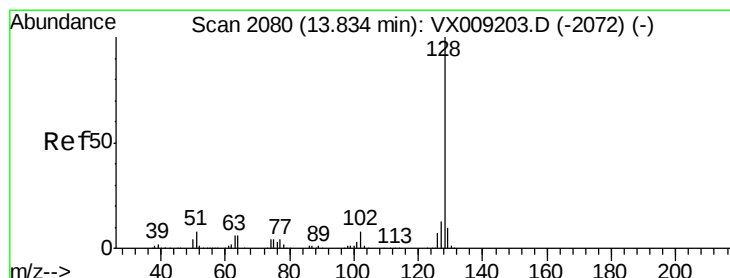
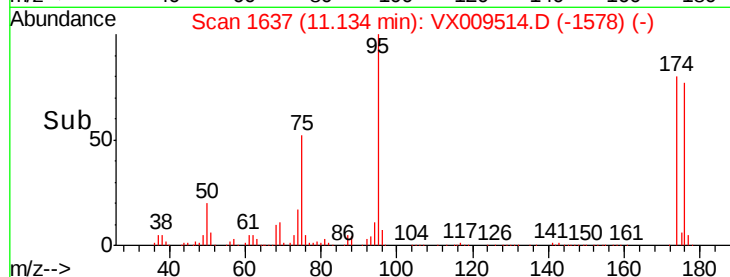
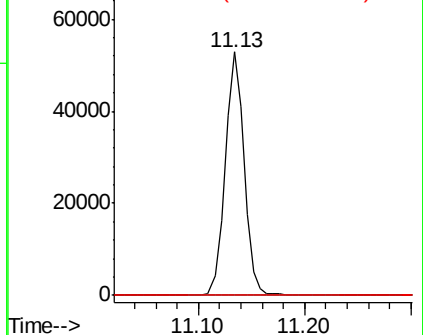
89 0.0 34.7 52.1#



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



#95

Naphthalene

Concen: 0.209 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX009514.D

Acq: 11 May 2019 10:48

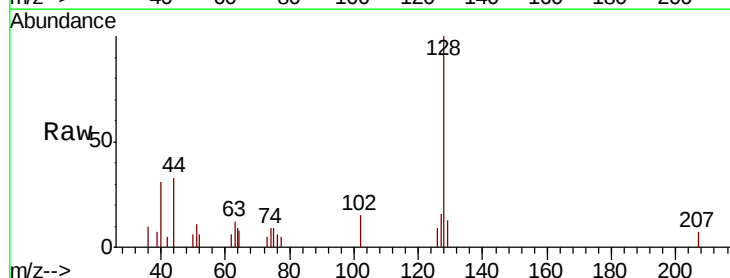
Tgt Ion: 128 Resp: 1730

Ion Ratio Lower Upper

128 100

127 14.5 10.4 15.6

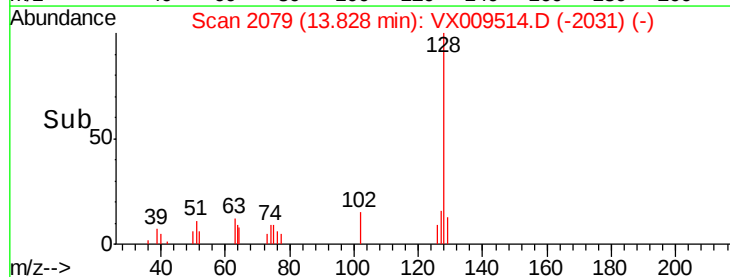
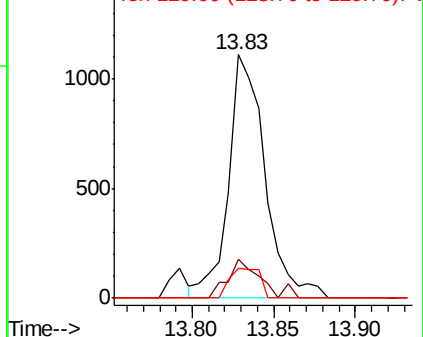
129 10.2 8.6 13.0

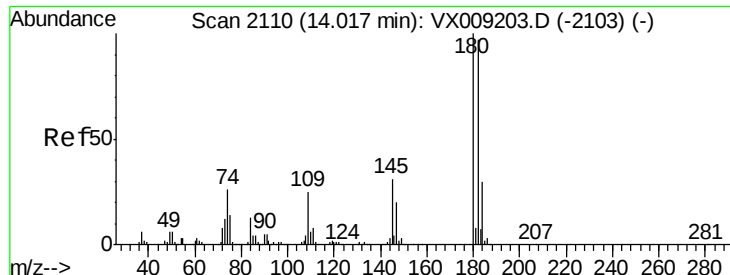


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.209 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX009514.D
 Acq: 11 May 2019 10:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.8	143.4
145	31.5	15.4	46.4

