

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032819\
 Data File : VX008522.D
 Acq On : 28 Mar 2019 16:13
 Operator : JC/SP
 Sample : K2115-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-MW25S-GW

Quant Time: Mar 29 01:30:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	226351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	382489	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	326936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135029	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	160898	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	
35) Dibromofluoromethane	5.50	113	118804	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
50) Toluene-d8	8.71	98	479549	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
62) 4-Bromofluorobenzene	11.13	95	159136	43.06	ug/l	0.00
Spiked Amount			Recovery	=	86.12%	

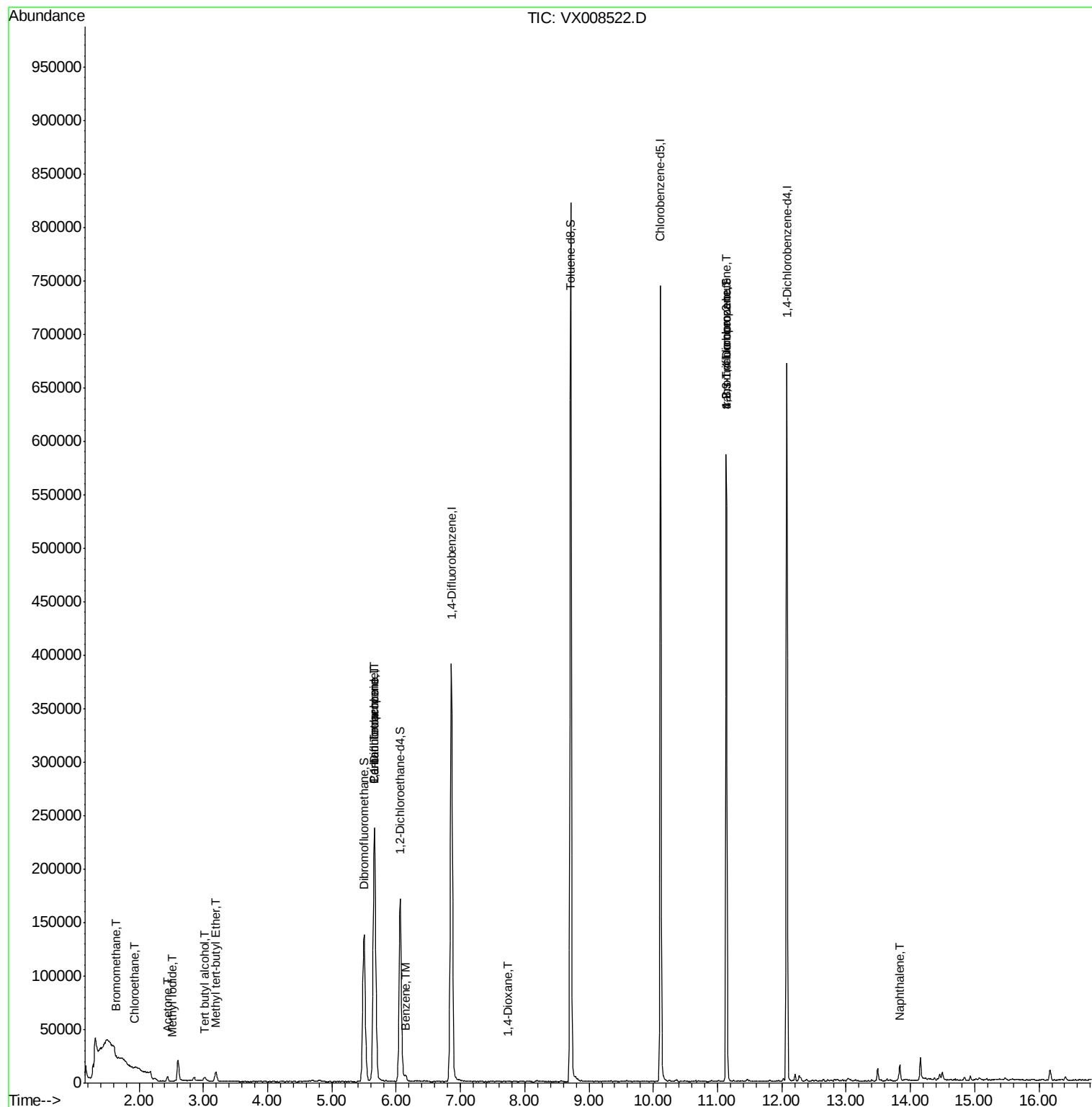
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1922	Below Cal	#	75
5) Bromomethane	1.64	94	247	1.930	ug/l #	66
6) Chloroethane	1.92	64	732	0.332	ug/l #	43
10) Methyl Iodide	2.51	142	92	4.163	ug/l #	67
11) Tert butyl alcohol	3.01	59	2297	3.021	ug/l #	72
16) Acetone	2.44	43	5157	2.875	ug/l	95
17) Carbon Disulfide	2.57	76	1225	Below Cal	#	80
19) Methyl tert-butyl Ether	3.20	73	9428	0.994	ug/l	93
20) Methylene Chloride	2.85	84	1224	Below Cal	#	86
21) trans-1,2-Dichloroethene	2.99	96	45	Below Cal	#	1
36) 1,1-Dichloropropene	5.66	75	19250	4.720	ug/l #	51
38) Carbon Tetrachloride	5.66	117	22624	6.648	ug/l #	15
40) Benzene	6.14	78	6017	0.493	ug/l	99
49) 1,4-Dioxane	7.74	88	413	4.912	ug/l #	80
76) 1,2,3-Trichloropropane	11.13	75	81975	20.421	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	81975	65.405	ug/l #	9
95) Naphthalene	13.83	128	7773	0.706	ug/l	98

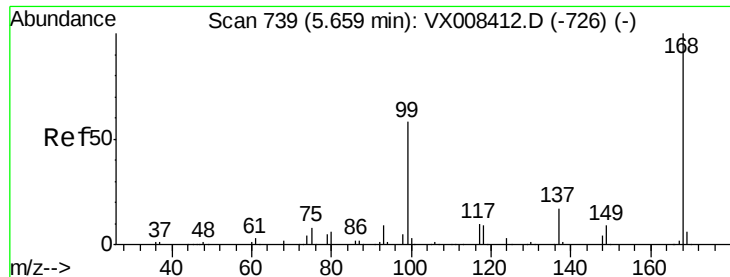
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032819\
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Quant Title : SW846 8260
QLast Update : Tue Mar 26 07:57:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008522.D

Acq: 28 Mar 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

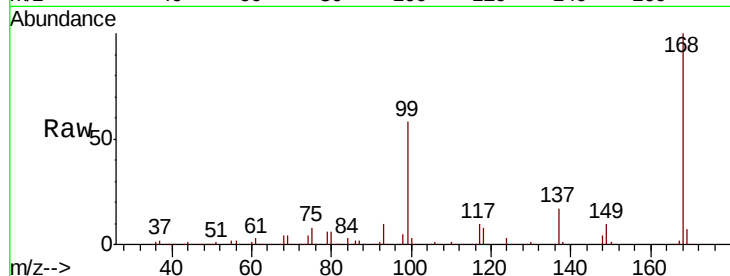
QNWP8-MW25S-GW

Tot Ion:168 Resp: 226351

Ion Ratio Lower Upper

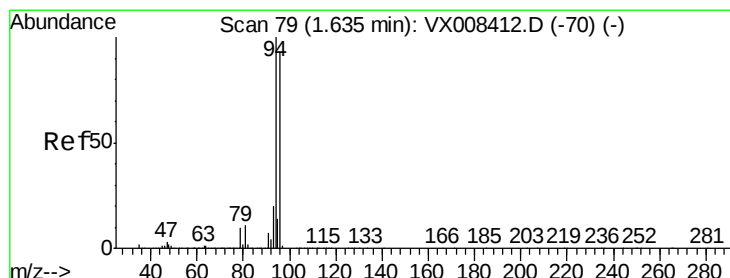
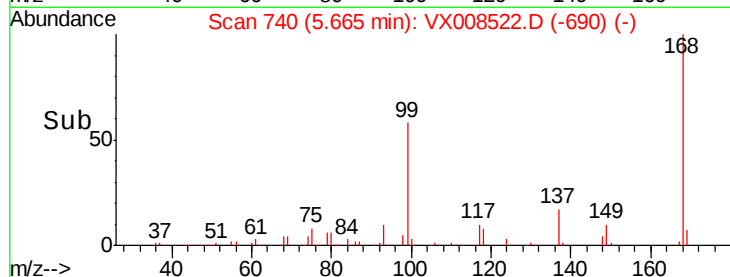
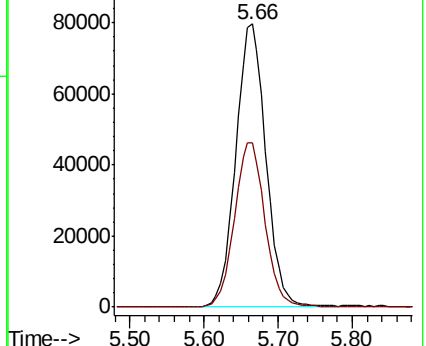
168 100

99 58.0 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 1.930 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008522.D

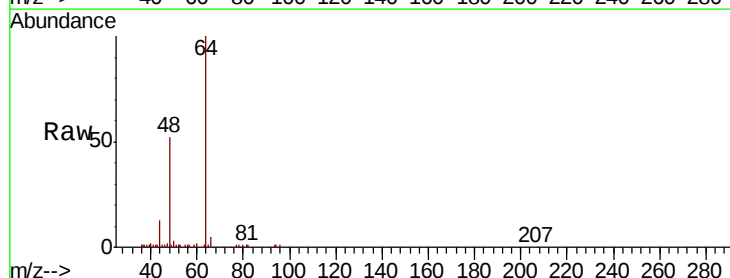
Acq: 28 Mar 2019 16:13

Tgt Ion: 94 Resp: 247

Ion Ratio Lower Upper

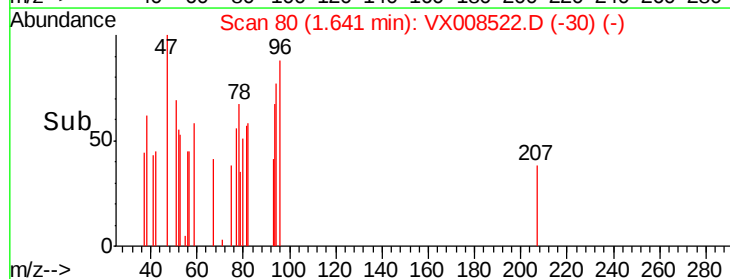
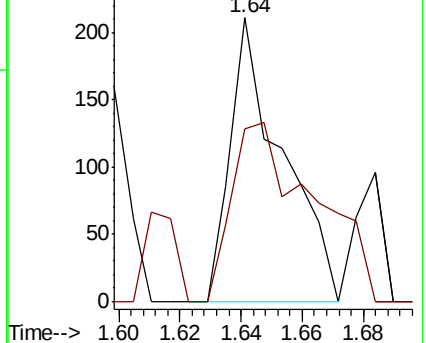
94 100

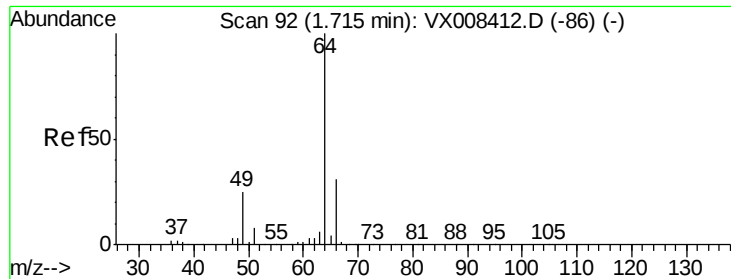
96 60.7 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.332 ug/l

RT: 1.92 min Scan# 126

Delta R.T. 0.21 min

Lab File: VX008522.D

Acq: 28 Mar 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

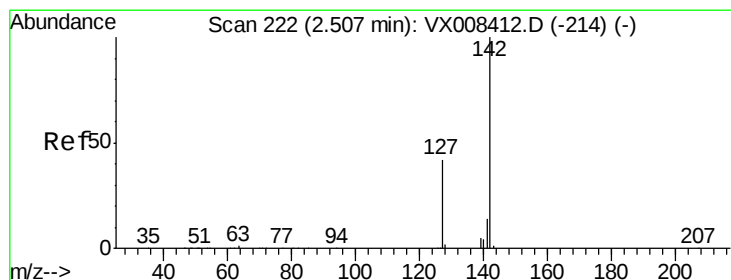
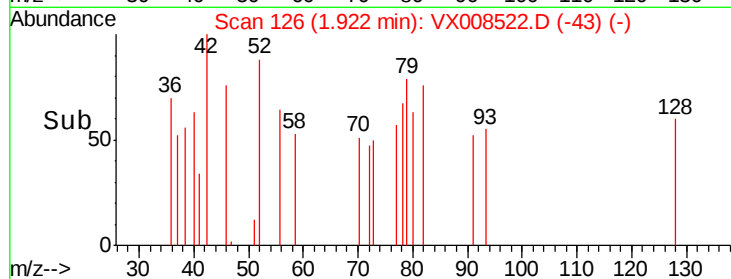
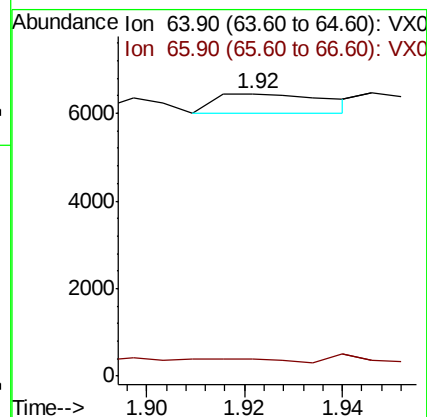
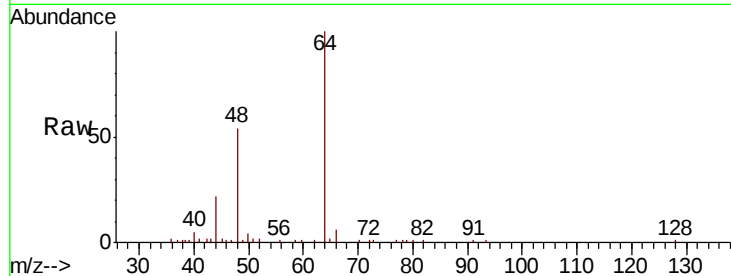
QNWP8-MW25S-GW

Tot Ion: 64 Resp: 732

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#10

Methyl Iodide

Concen: 4.163 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX008522.D

Acq: 28 Mar 2019 16:13

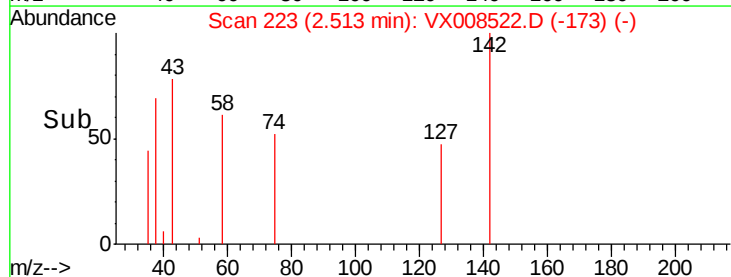
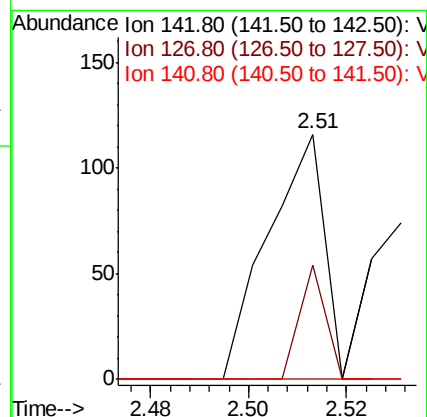
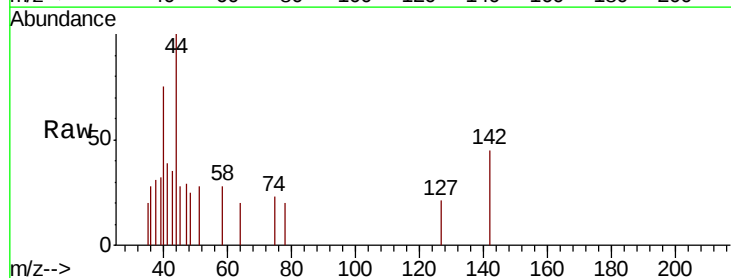
Tgt Ion: 142 Resp: 92

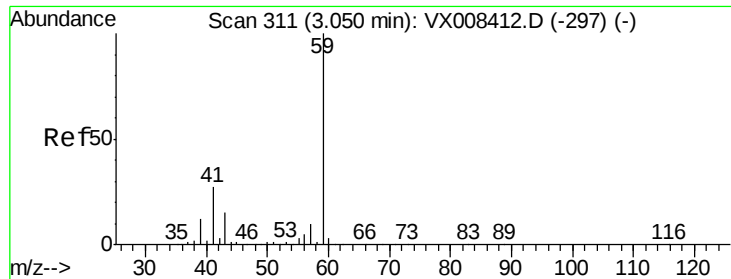
Ion Ratio Lower Upper

142 100

127 21.7 33.6 50.4#

141 0.0 11.3 16.9#

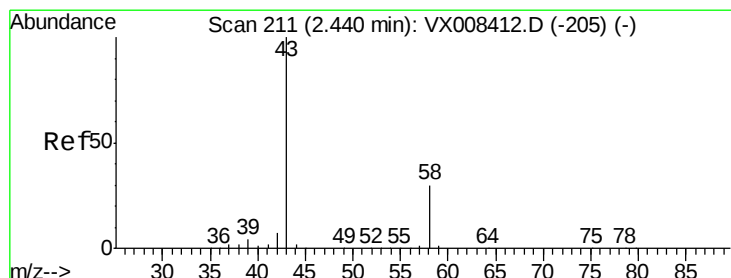
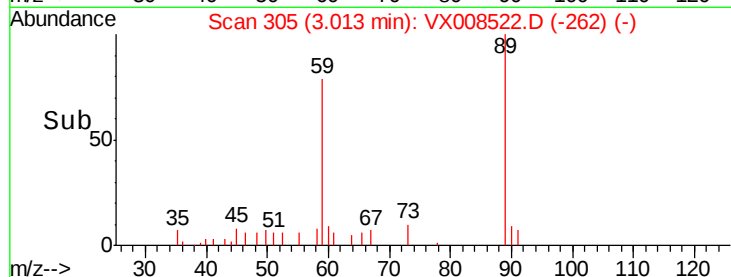
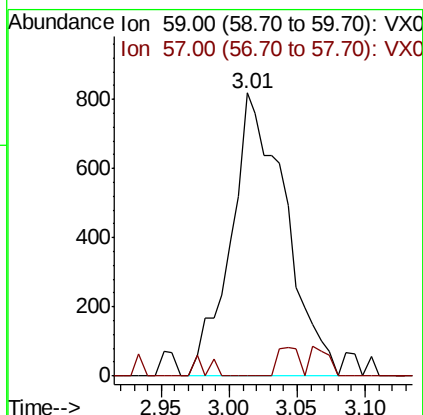
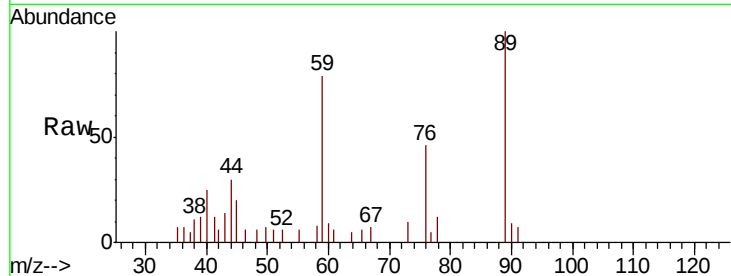




#11
Tert butyl alcohol
Concen: 3.021 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX008522.D
Acq: 28 Mar 2019 16:13

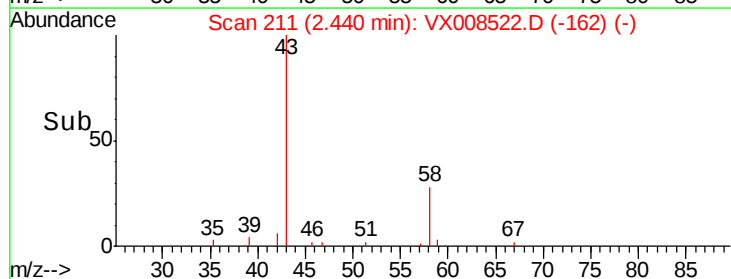
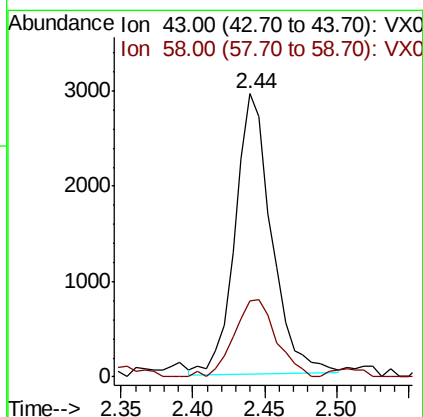
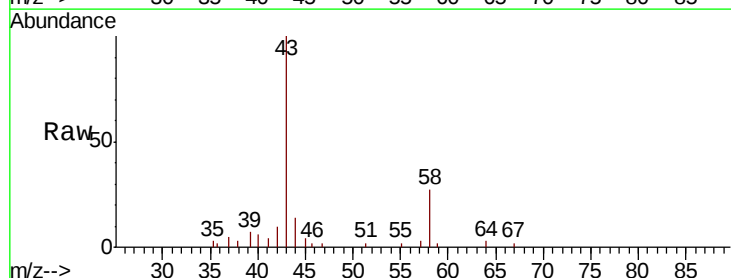
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-MW25S-GW

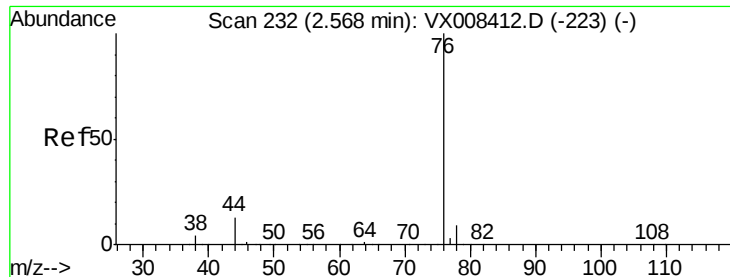
Tot Ion: 59 Resp: 2297
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 2.875 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX008522.D
Acq: 28 Mar 2019 16:13

Tgt Ion: 43 Resp: 5157
Ion Ratio Lower Upper
43 100
58 27.7 24.2 36.2

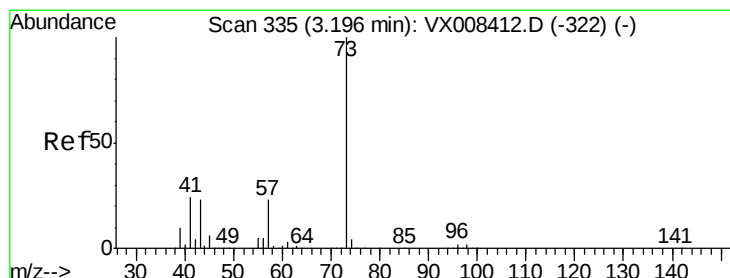
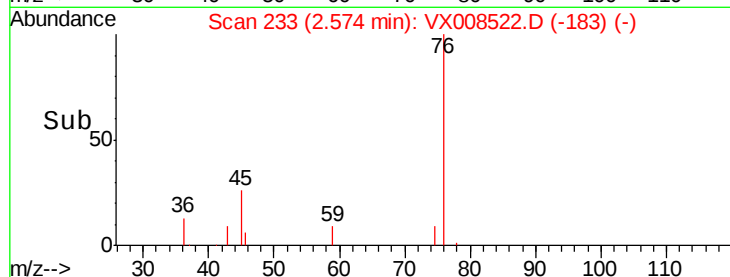
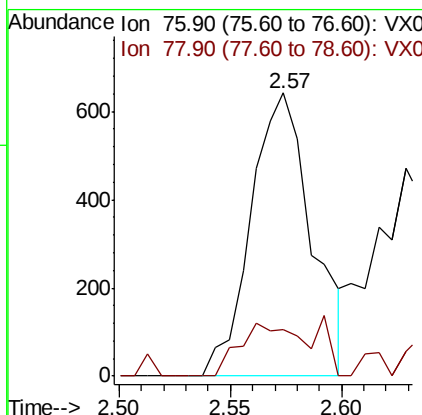
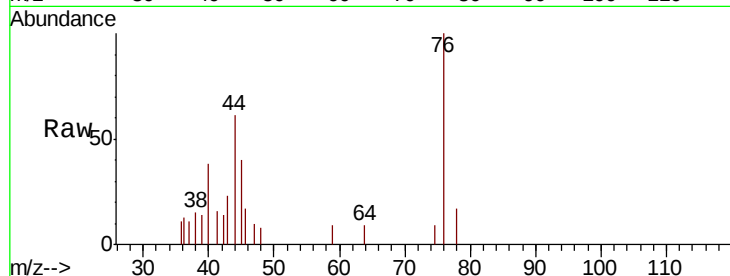




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX008522.D
Acq: 28 Mar 2019 16:13

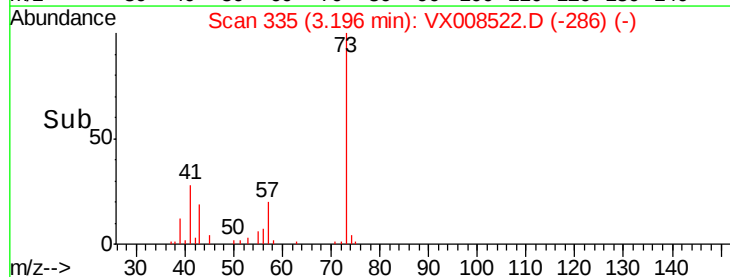
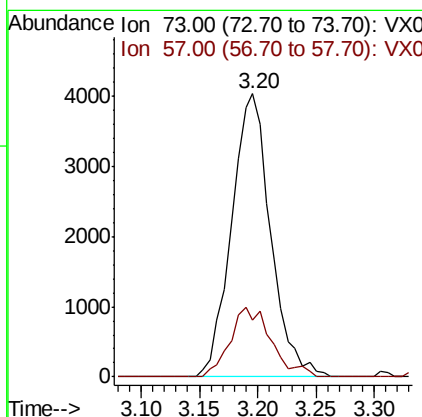
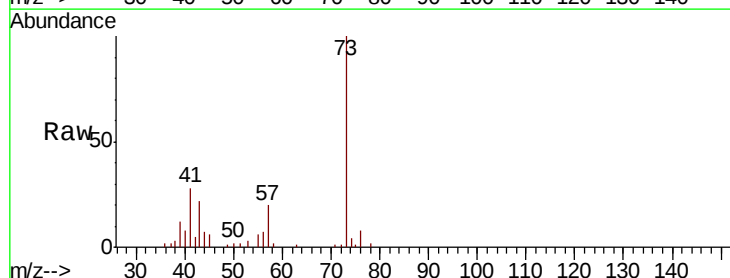
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-MW25S-GW

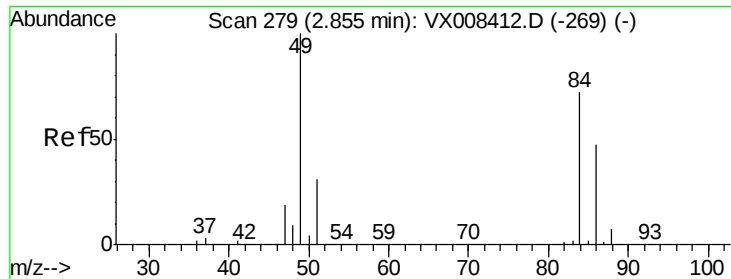
Tot Ion: 76 Resp: 1225
Ion Ratio Lower Upper
76 100
78 16.7 7.4 11.2#



#19
Methyl tert-butyl Ether
Concen: 0.994 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008522.D
Acq: 28 Mar 2019 16:13

Tgt Ion: 73 Resp: 9428
Ion Ratio Lower Upper
73 100
57 19.9 18.6 28.0





#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX008522.D

Acq: 28 Mar 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-MW25S-GW

Tot Ion: 84 Resp: 1224

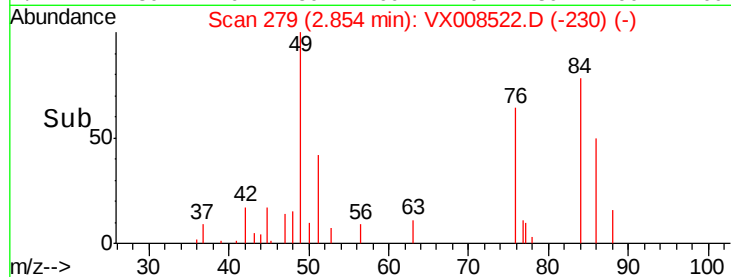
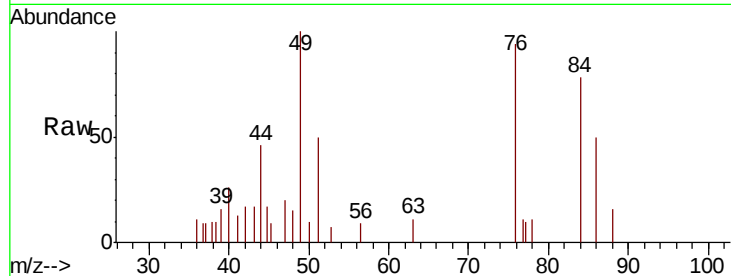
Ion Ratio Lower Upper

84 100

49 120.5 110.6 165.8

51 63.9 33.9 50.9#

86 64.8 52.2 78.2

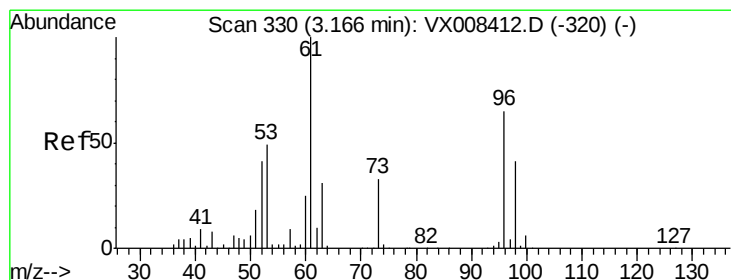
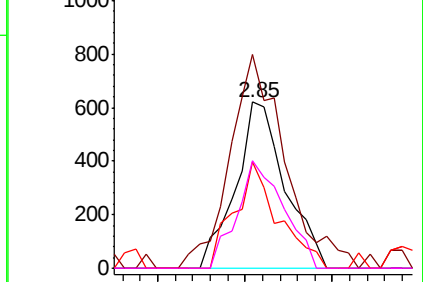


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 2.99 min Scan# 302

Delta R.T. -0.17 min

Lab File: VX008522.D

Acq: 28 Mar 2019 16:13

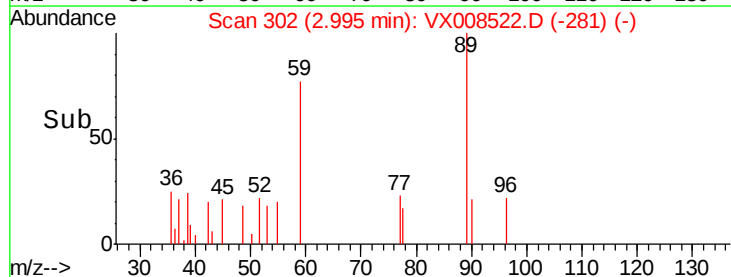
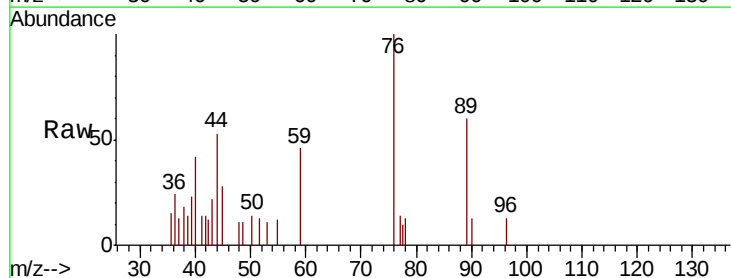
Tgt Ion: 96 Resp: 45

Ion Ratio Lower Upper

96 100

61 0.0 122.6 184.0#

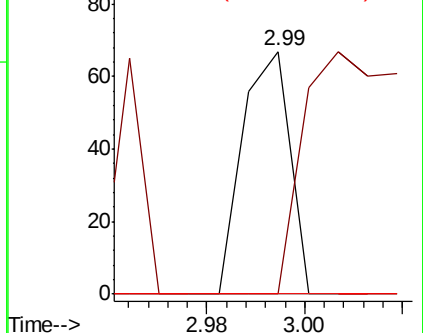
98 0.0 50.9 76.3#

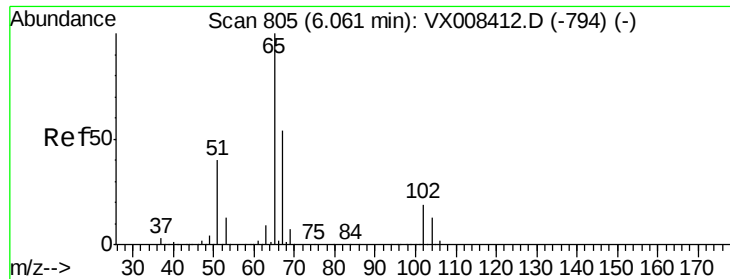


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.888 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008522.D

Acq: 28 Mar 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

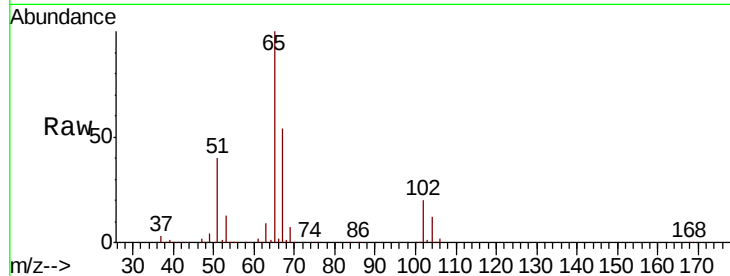
QNWP8-MW25S-GW

Tot Ion: 65 Resp: 160898

Ion Ratio Lower Upper

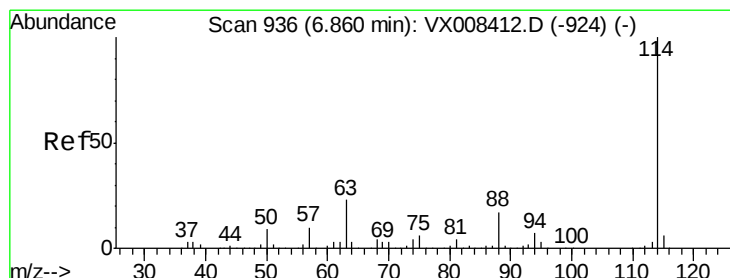
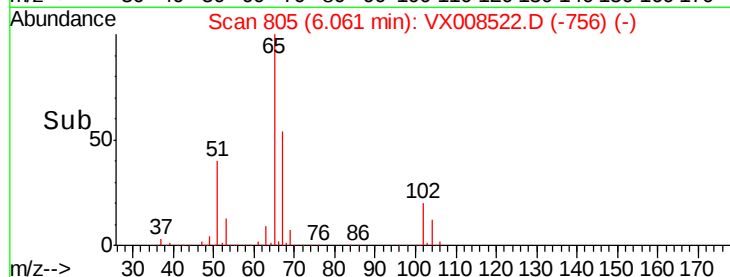
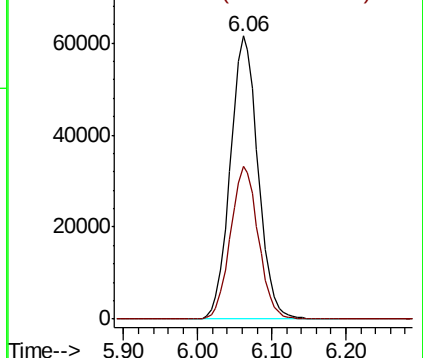
65 100

67 54.1 0.0 109.4



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: VX008522.D

Acq: 28 Mar 2019 16:13

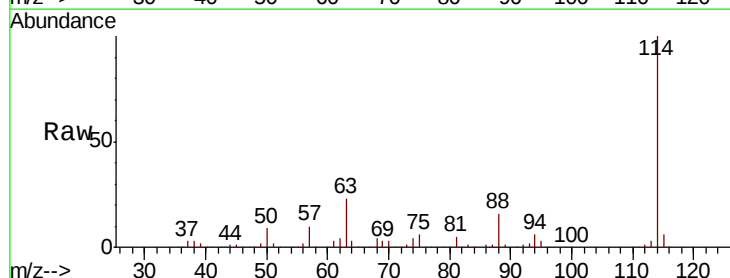
Tgt Ion: 114 Resp: 382489

Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.4

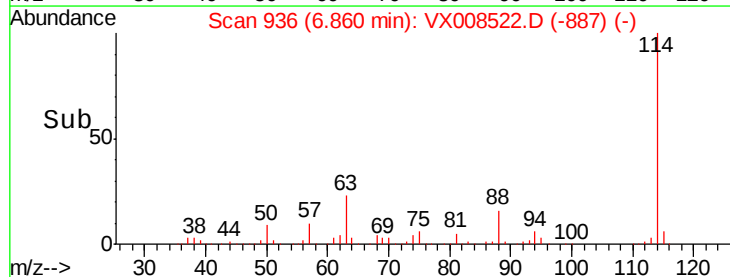
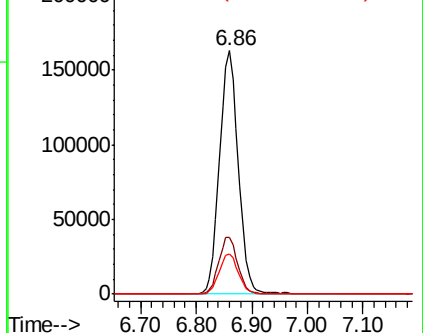
88 16.4 0.0 33.2

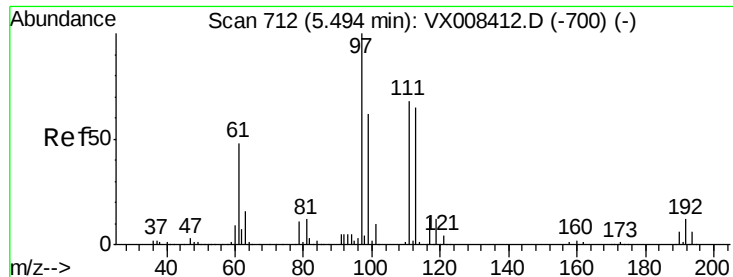


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

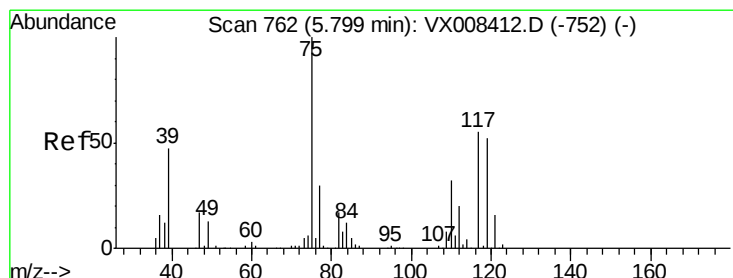
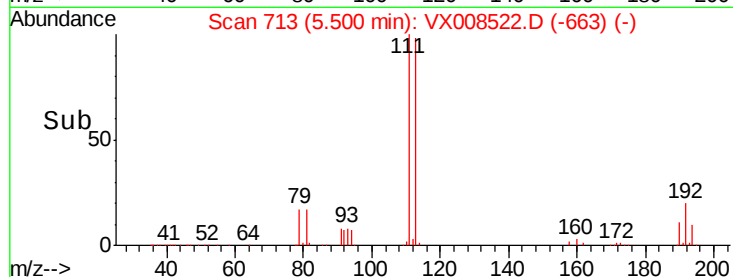
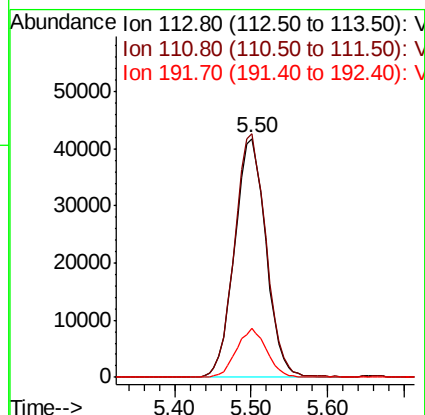
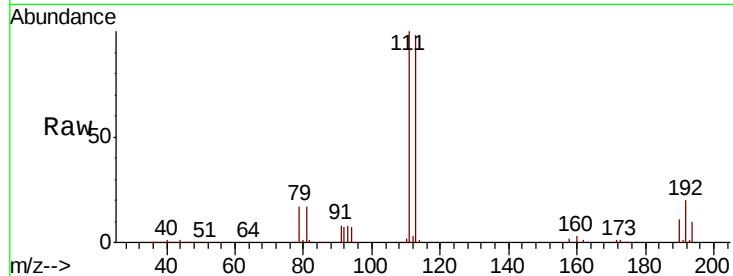




#35
 Dibromofluoromethane
 Concen: 47.636 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008522.D
 Acq: 28 Mar 2019 16:13

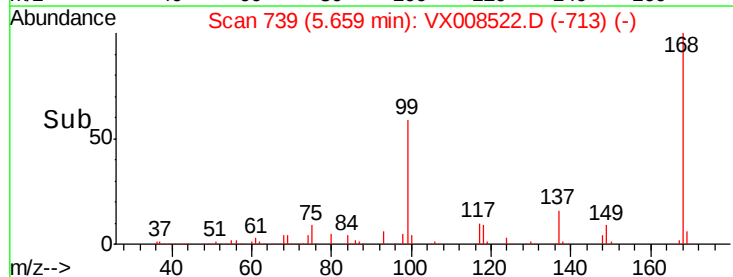
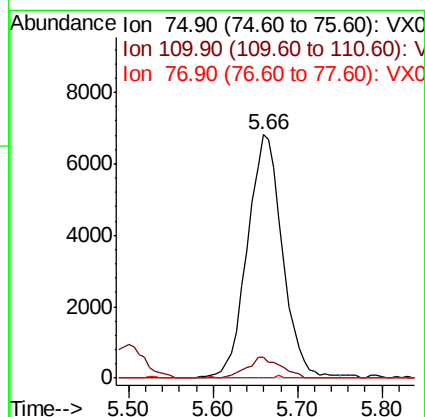
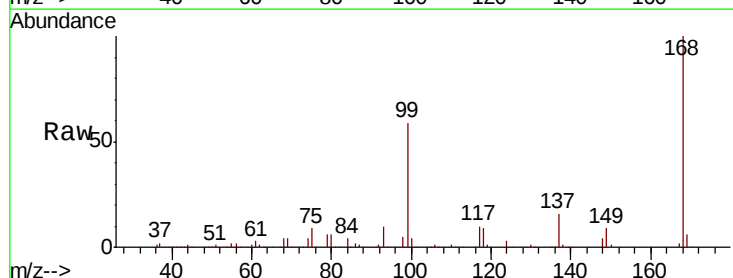
Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-MW25S-GW

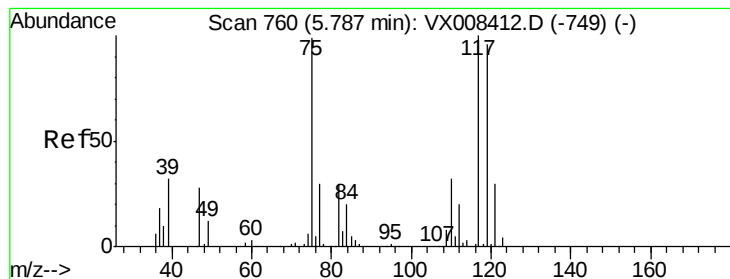
Tot Ion:113 Resp: 118804
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.0 124.4
 192 19.7 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 4.720 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008522.D
 Acq: 28 Mar 2019 16:13

Tgt Ion: 75 Resp: 19250
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.6 49.7#
 77 0.1 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.648 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008522.D

Acq: 28 Mar 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-MW25S-GW

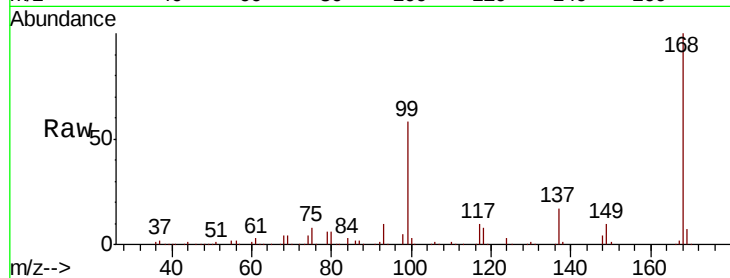
Tot Ion:117 Resp: 22624

Ion Ratio Lower Upper

117 100

119 4.4 76.7 115.1#

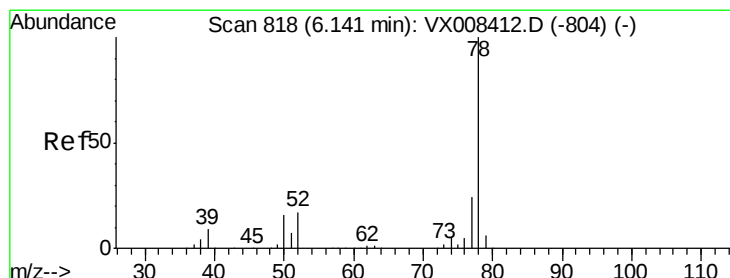
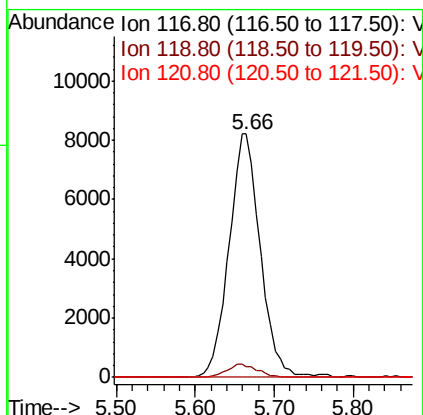
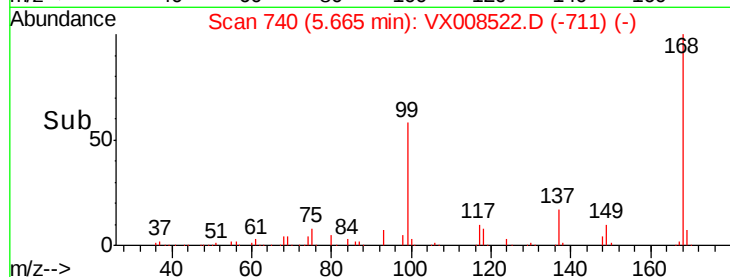
121 0.0 24.3 36.5#



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



#40

Benzene

Concen: 0.493 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX008522.D

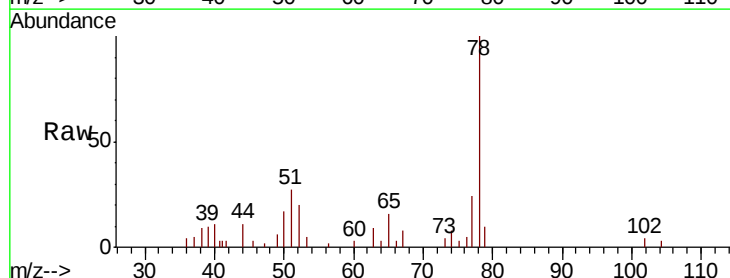
Acq: 28 Mar 2019 16:13

Tgt Ion: 78 Resp: 6017

Ion Ratio Lower Upper

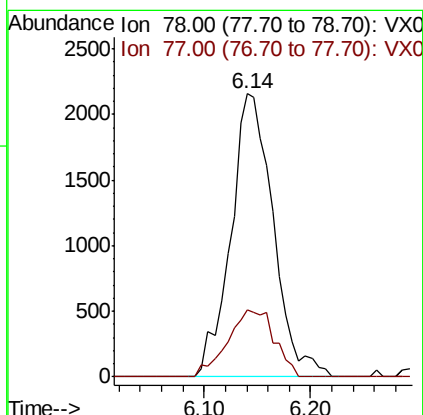
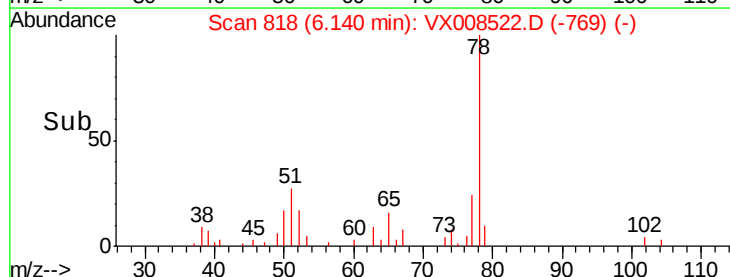
78 100

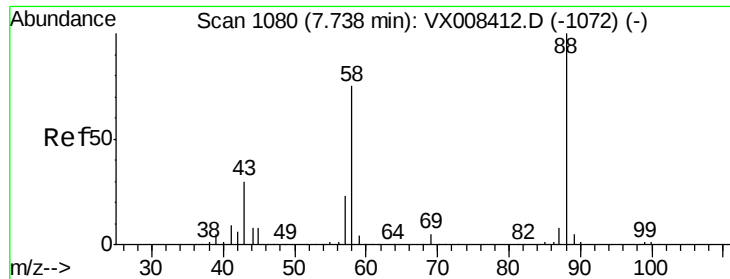
77 23.8 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#49

1,4-Dioxane

Concen: 4.912 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX008522.D

Acq: 28 Mar 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-MW25S-GW

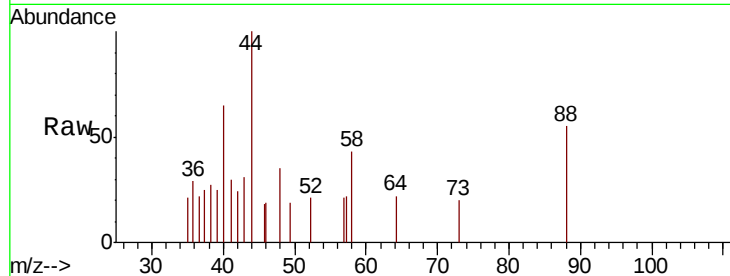
Tot Ion: 88 Resp: 413

Ion Ratio Lower Upper

88 100

43 0.0 28.6 43.0#

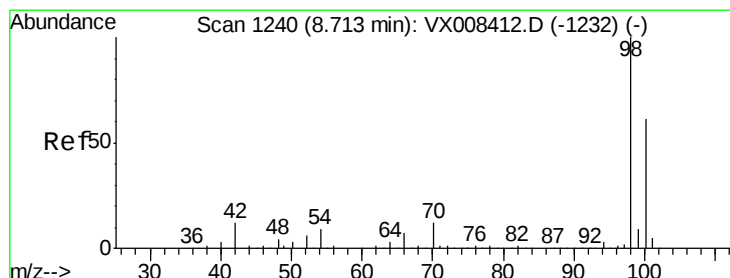
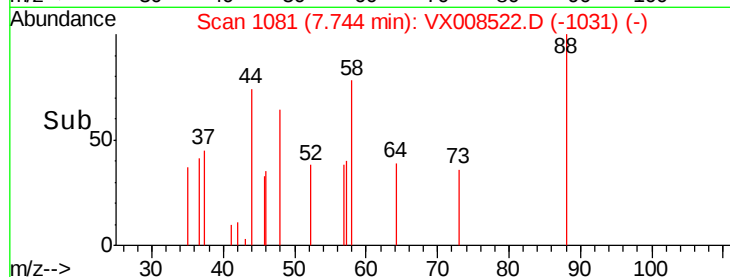
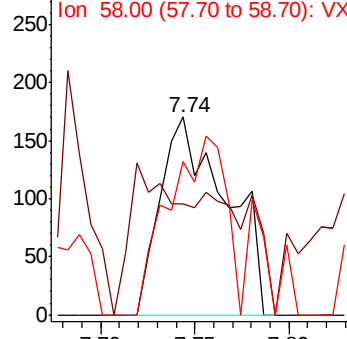
58 78.0 63.0 94.4



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: 48.087 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008522.D

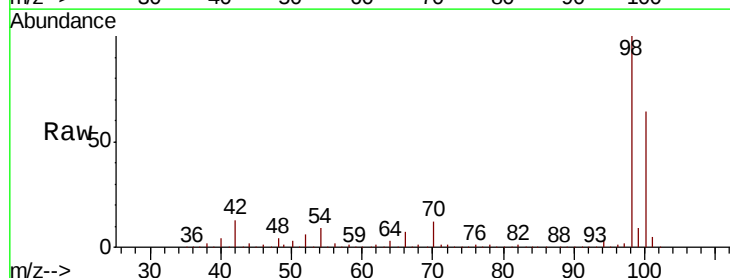
Acq: 28 Mar 2019 16:13

Tgt Ion: 98 Resp: 479549

Ion Ratio Lower Upper

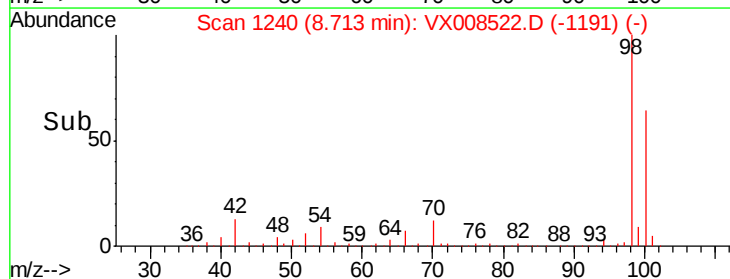
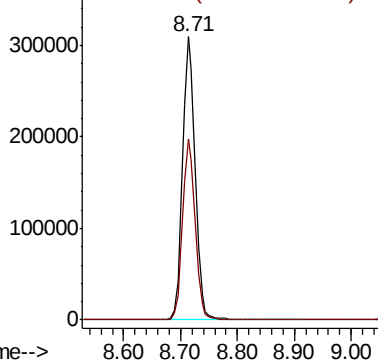
98 100

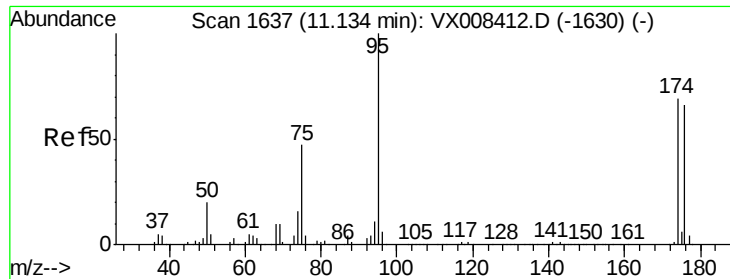
100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.063 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008522.D

Acq: 28 Mar 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-MW25S-GW

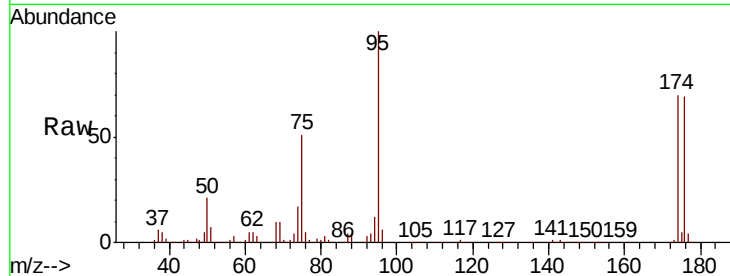
Tot Ion: 95 Resp: 159136

Ion Ratio Lower Upper

95 100

174 75.5 0.0 147.2

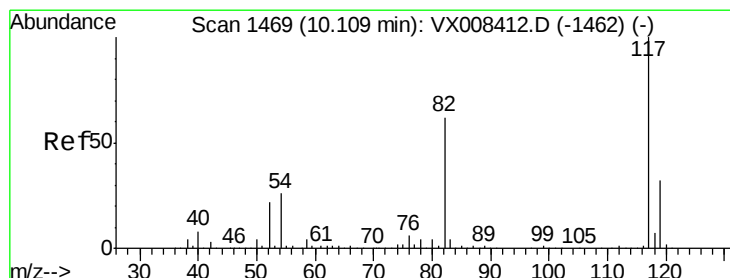
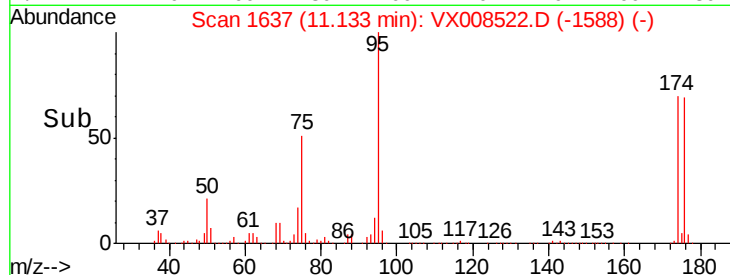
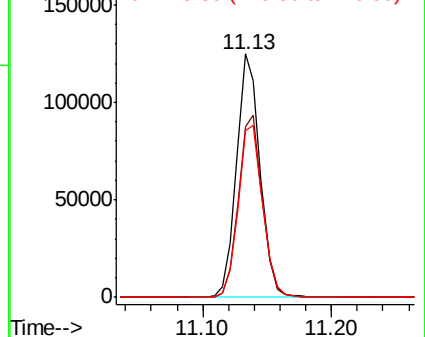
176 73.4 0.0 142.4



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: VX008522.D

Acq: 28 Mar 2019 16:13

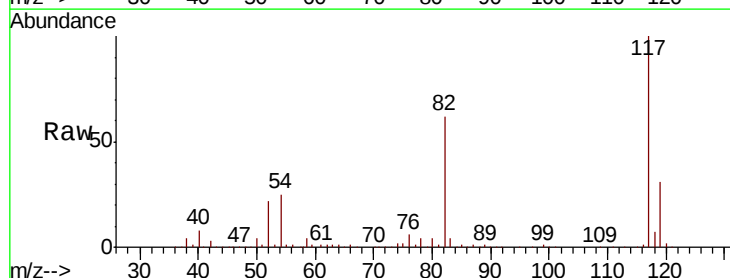
Tgt Ion: 117 Resp: 326936

Ion Ratio Lower Upper

117 100

82 61.8 49.4 74.2

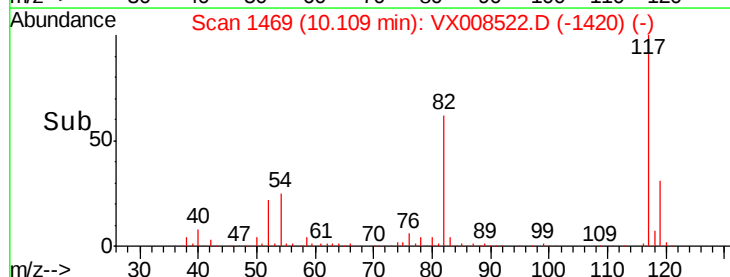
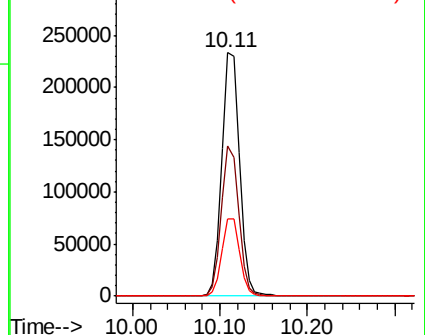
119 31.5 25.4 38.0

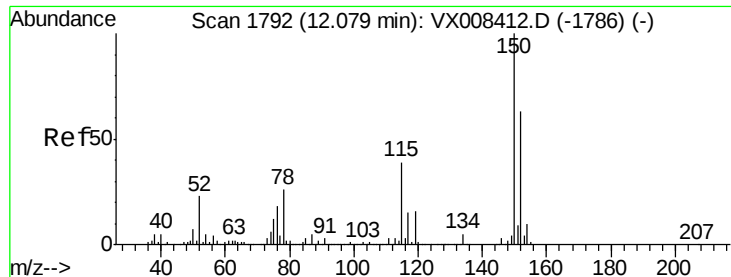


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008522.D

Acq: 28 Mar 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-MW25S-GW

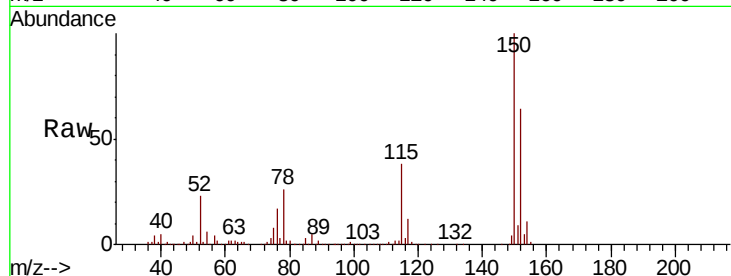
Tot Ion:152 Resp: 135029

Ion Ratio Lower Upper

152 100

115 60.8 43.5 130.5

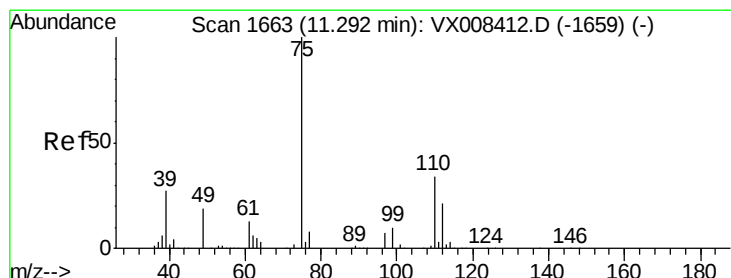
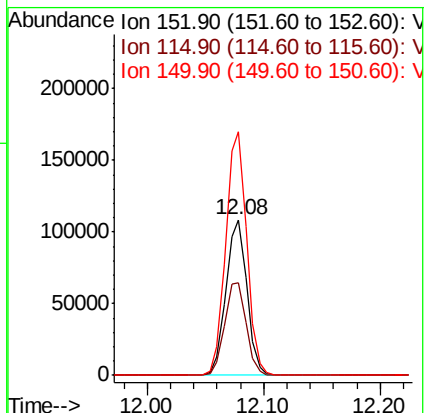
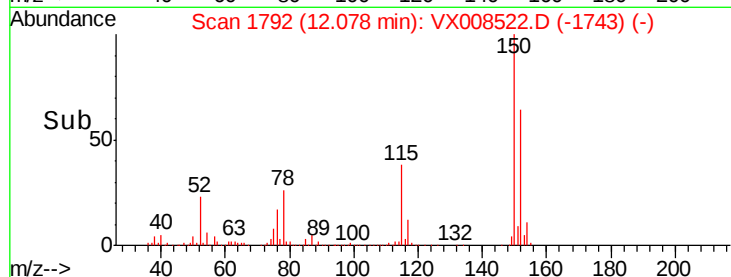
150 156.3 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 20.421 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008522.D

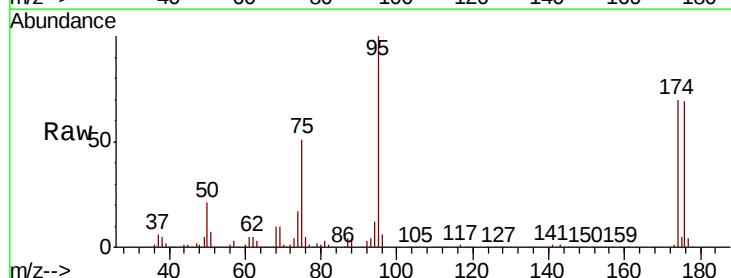
Acq: 28 Mar 2019 16:13

Tgt Ion: 75 Resp: 81975

Ion Ratio Lower Upper

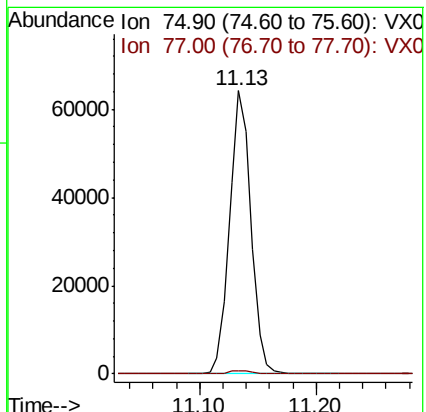
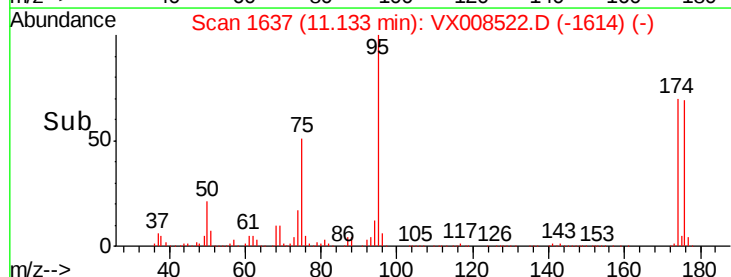
75 100

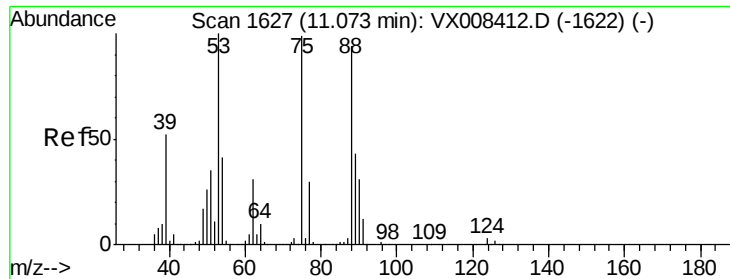
77 1.4 21.9 65.7#



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: 65.405 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008522.D

Acq: 28 Mar 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-MW25S-GW

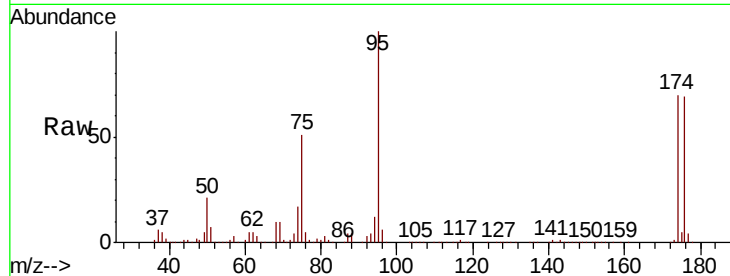
Tot Ion: 75 Resp: 81975

Ion Ratio Lower Upper

75 100

53 0.1 82.1 123.1#

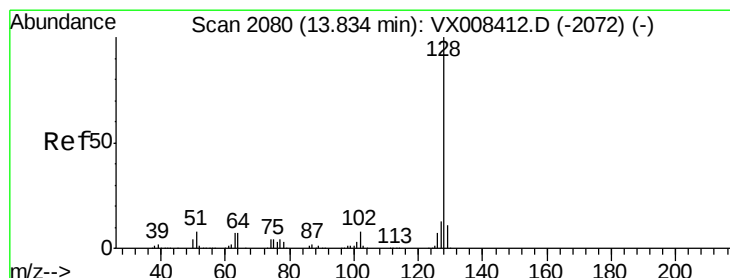
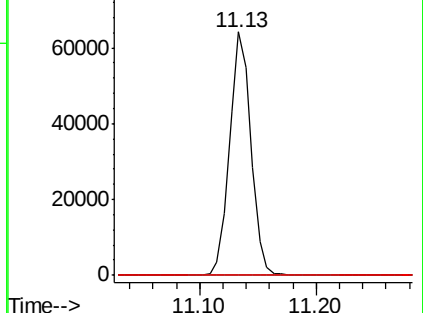
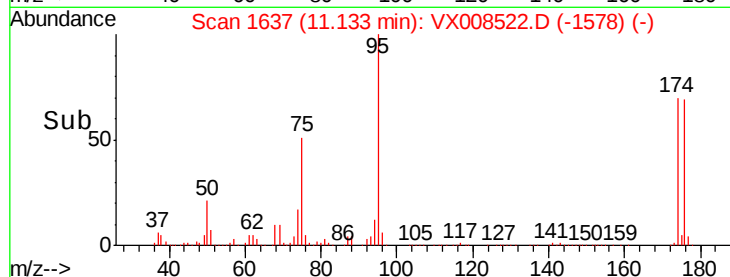
89 0.0 34.6 52.0#



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



#95

Naphthalene

Concen: 0.706 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008522.D

Acq: 28 Mar 2019 16:13

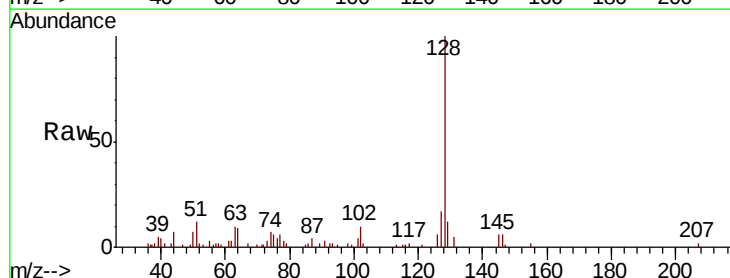
Tgt Ion: 128 Resp: 7773

Ion Ratio Lower Upper

128 100

127 14.4 10.4 15.6

129 11.1 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

