

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032819\
 Data File : VX008523.D
 Acq On : 28 Mar 2019 16:37
 Operator : JC/SP
 Sample : K2115-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-MW25D-GW

Quant Time: Mar 29 01:30:17 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	5.67	168	230477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	389246	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	333018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	137703	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	162153	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	
35) Dibromofluoromethane	5.49	113	118465	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	
50) Toluene-d8	8.71	98	483491	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
62) 4-Bromofluorobenzene	11.13	95	163568	43.49	ug/l	0.00
Spiked Amount			Recovery	=	86.98%	

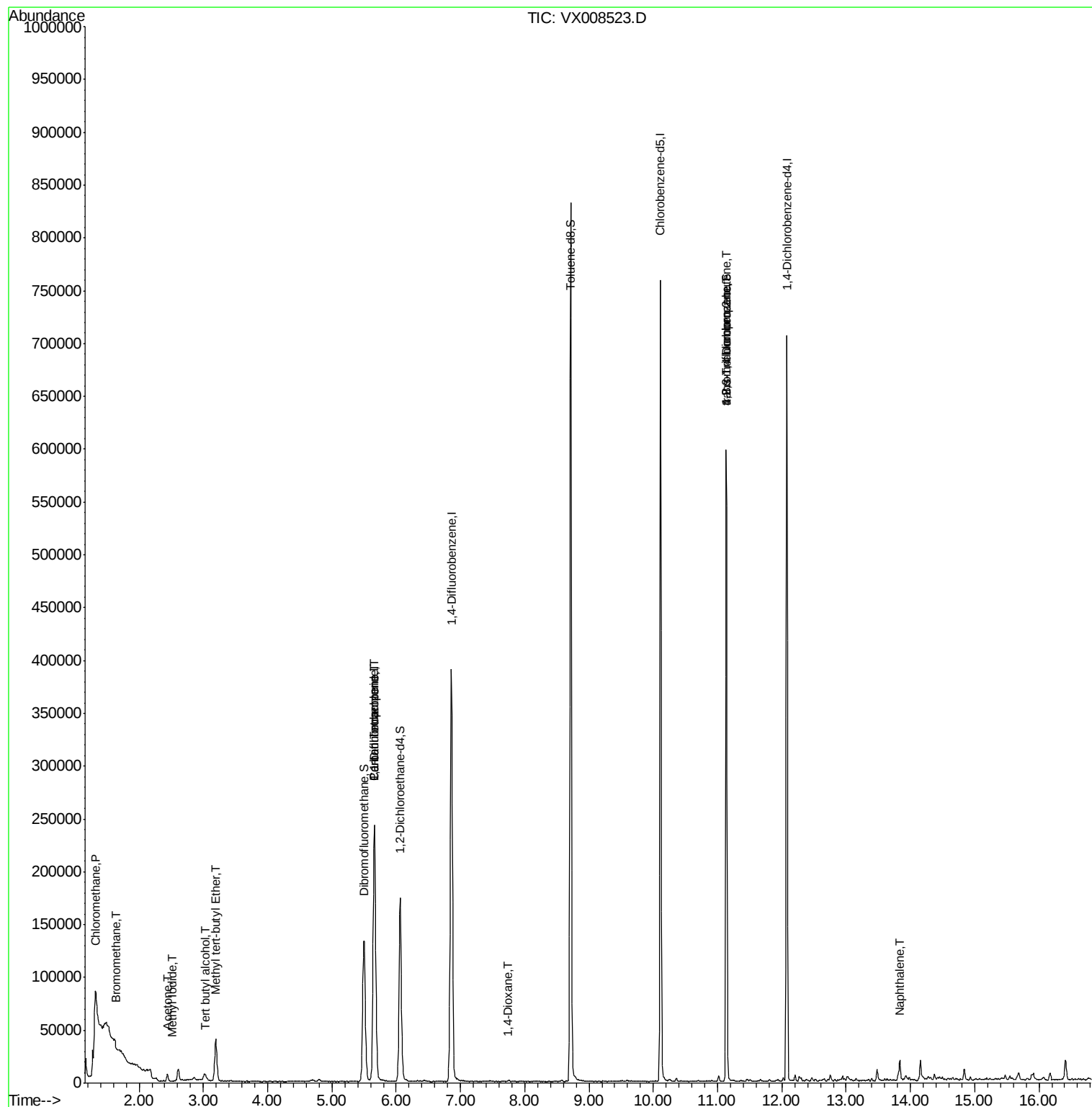
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	3248	0.307	ug/l #	58
5) Bromomethane	1.64	94	330	1.968	ug/l #	54
10) Methyl Iodide	2.52	142	110	4.169	ug/l #	42
11) Tert butyl alcohol	3.03	59	5844	7.549	ug/l	97
16) Acetone	2.44	43	7381	4.042	ug/l	98
17) Carbon Disulfide	2.57	76	1581	Below Cal	#	86
19) Methyl tert-butyl Ether	3.20	73	43466	4.498	ug/l	98
20) Methylene Chloride	2.86	84	1121	Below Cal		88
21) trans-1,2-Dichloroethene	3.17	96	25	Below Cal	#	55
36) 1,1-Dichloropropene	5.66	75	19973	4.813	ug/l #	51
38) Carbon Tetrachloride	5.66	117	23125	6.677	ug/l #	16
49) 1,4-Dioxane	7.74	88	977	11.419	ug/l #	68
76) 1,2,3-Trichloropropane	11.13	75	83422	20.378	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	83422	65.267	ug/l #	9
95) Naphthalene	13.83	128	9781	0.871	ug/l	98

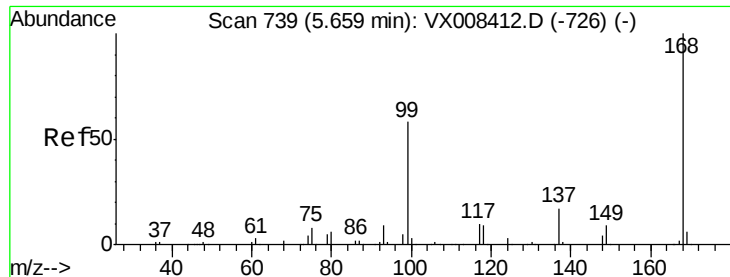
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008523.D

Acq: 28 Mar 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

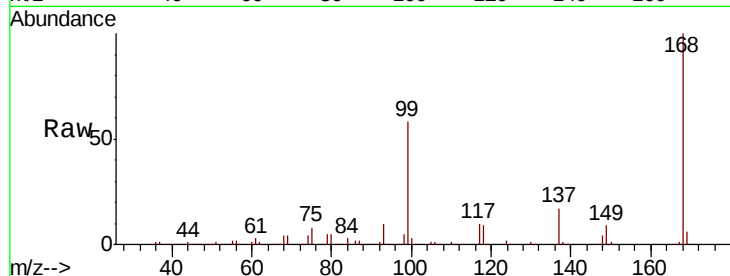
QNWP8-MW25D-GW

Tot Ion:168 Resp: 230477

Ion Ratio Lower Upper

168 100

99 57.7 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

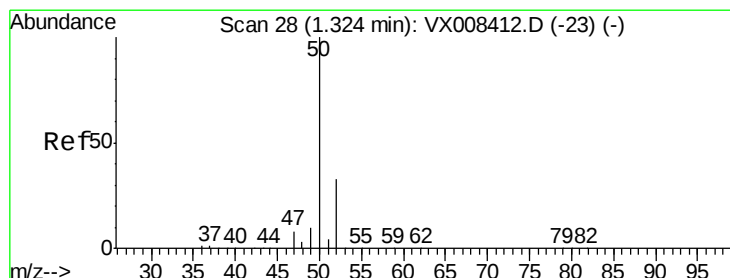
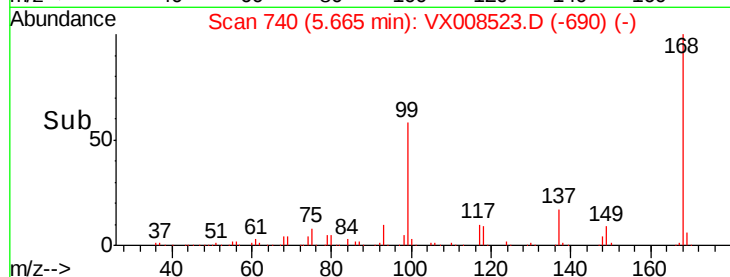
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.307 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.01 min

Lab File: VX008523.D

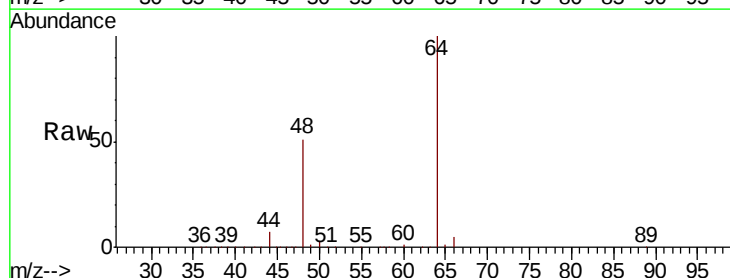
Acq: 28 Mar 2019 16:37

Tgt Ion: 50 Resp: 3248

Ion Ratio Lower Upper

50 100

52 9.1 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

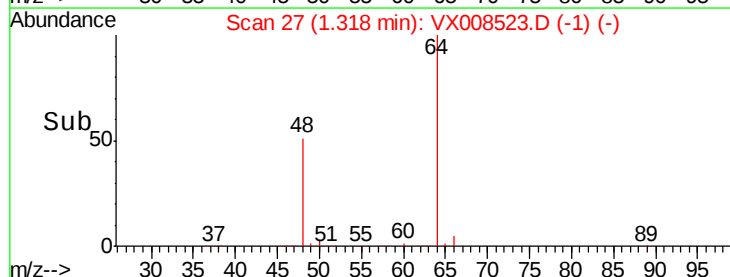
1500

1000

500

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 1.968 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008523.D

Acq: 28 Mar 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

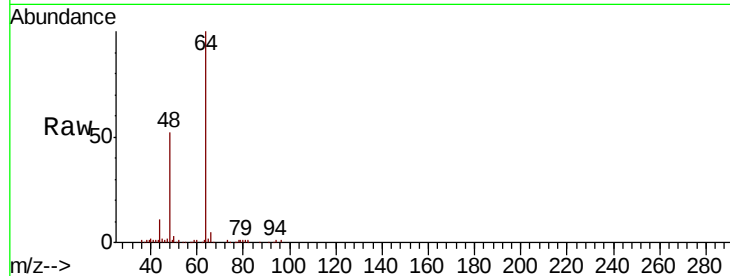
QNWP8-MW25D-GW

Tot Ion: 94 Resp: 330

Ion Ratio Lower Upper

94 100

96 49.1 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

150

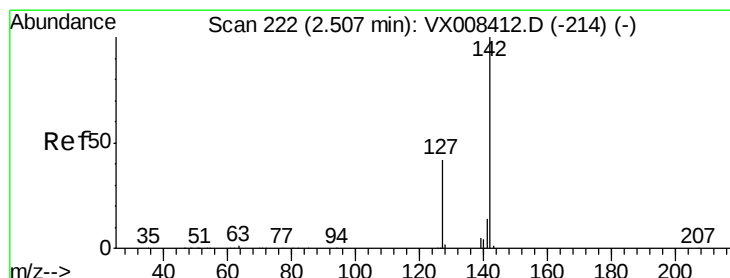
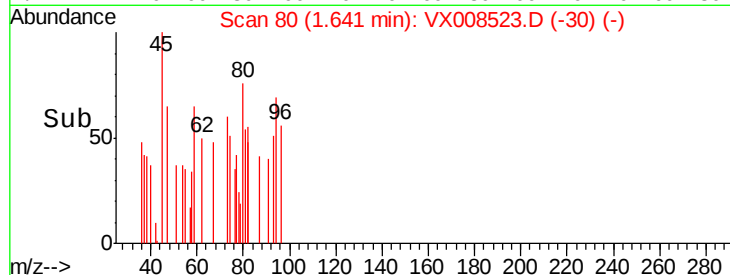
100

50

0

1.60 1.65

Time-->



#10

Methyl Iodide

Concen: 4.169 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX008523.D

Acq: 28 Mar 2019 16:37

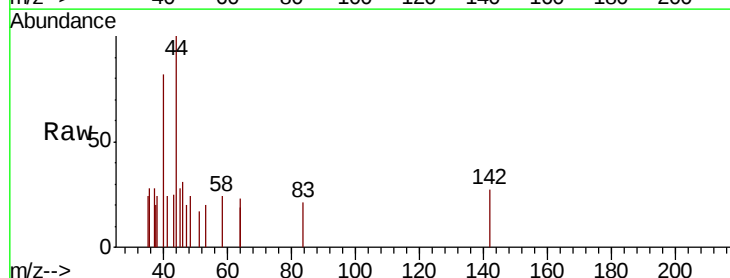
Tgt Ion: 142 Resp: 110

Ion Ratio Lower Upper

142 100

127 0.0 33.6 50.4#

141 0.0 11.3 16.9#



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

100

80

60

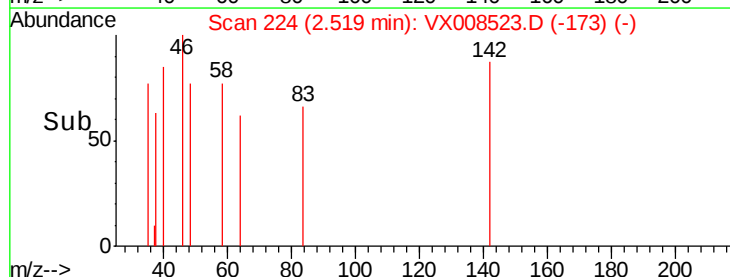
40

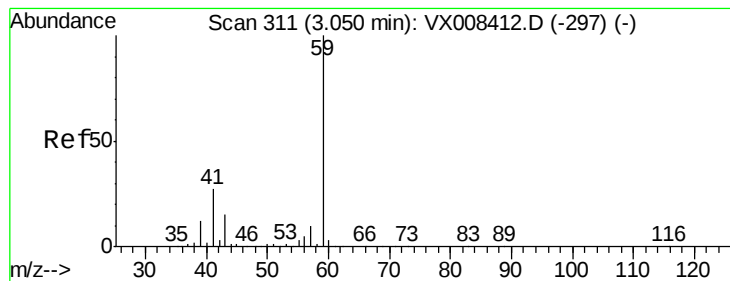
20

0

2.48 2.50 2.52 2.54

Time-->



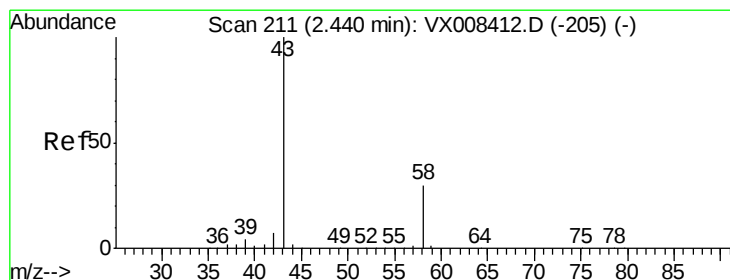
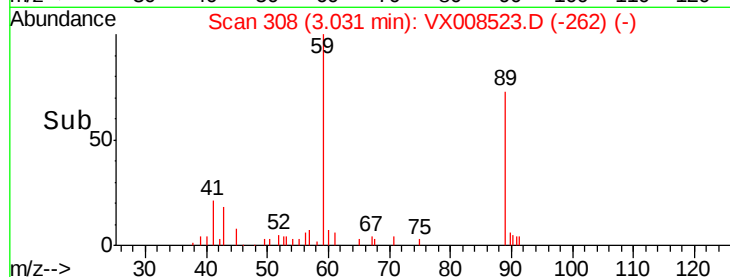
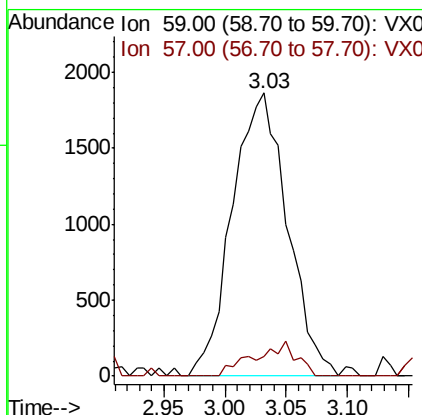
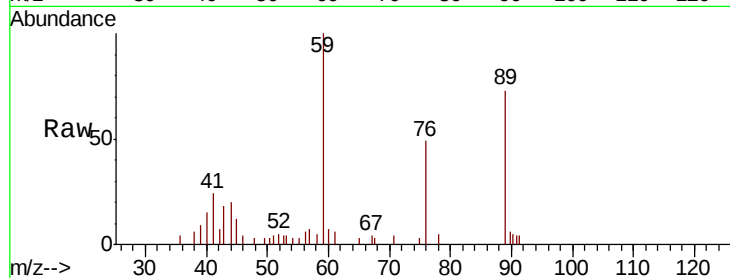


#11

Tert butyl alcohol
 Concen: 7.549 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.02 min
 Lab File: VX008523.D
 Acq: 28 Mar 2019 16:37

Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-MW25D-GW

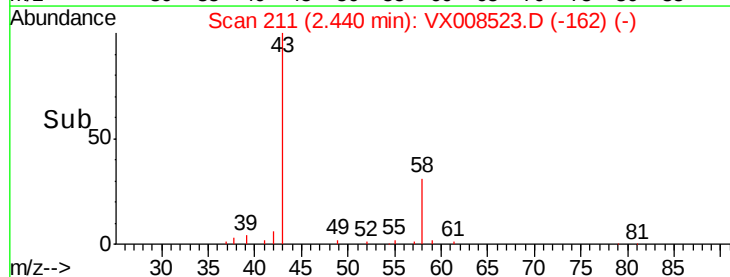
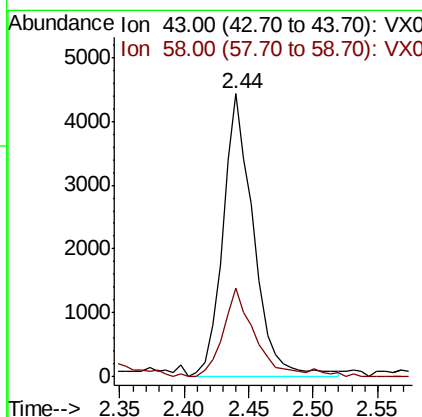
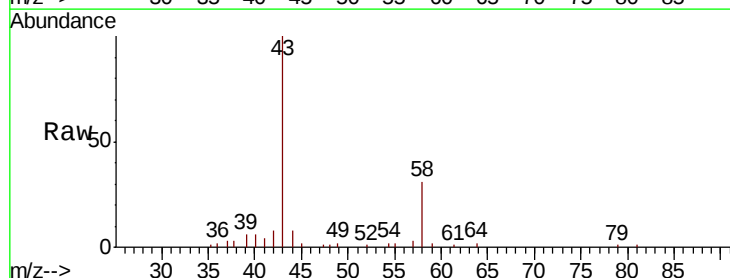
Tot Ion: 59 Resp: 5844
 Ion Ratio Lower Upper
 59 100
 57 9.3 8.2 12.4

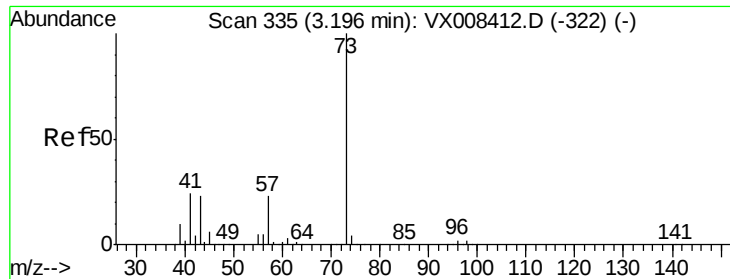


#16

Acetone
 Concen: 4.042 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX008523.D
 Acq: 28 Mar 2019 16:37

Tgt Ion: 43 Resp: 7381
 Ion Ratio Lower Upper
 43 100
 58 31.2 24.2 36.2



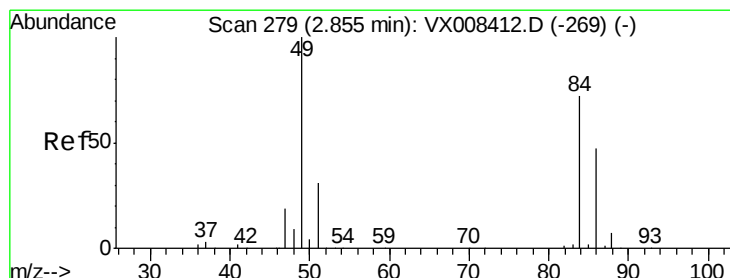
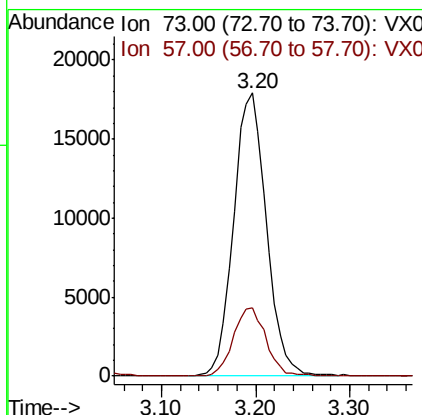
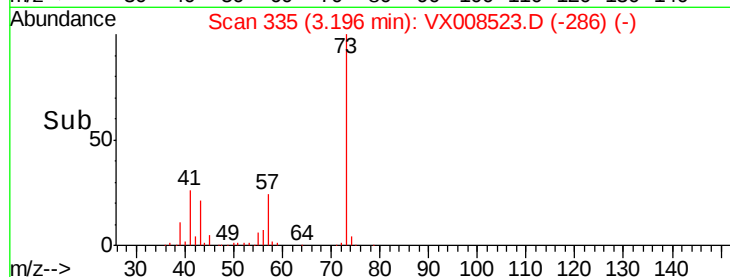
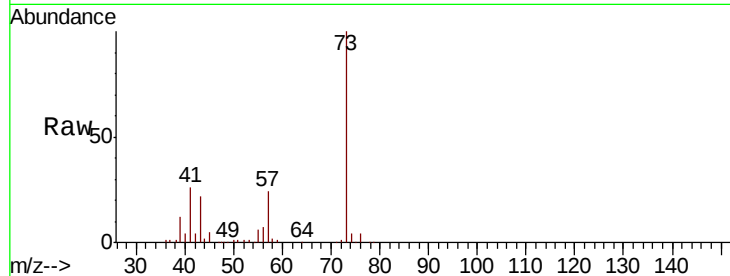


#19

Methyl tert-butyl Ether
 Concen: 4.498 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX008523.D
 Acq: 28 Mar 2019 16:37

Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-MW25D-GW

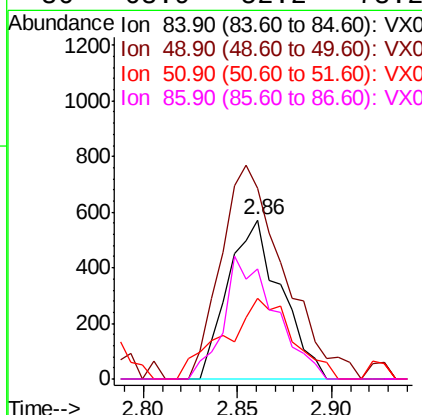
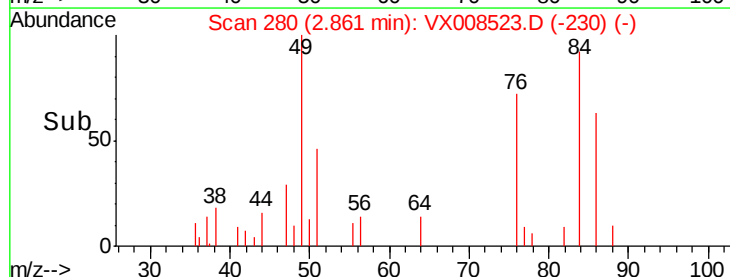
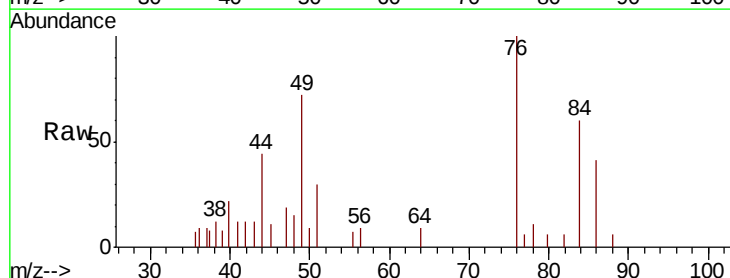
Tot Ion: 73 Resp: 43466
 Ion Ratio Lower Upper
 73 100
 57 24.3 18.6 28.0

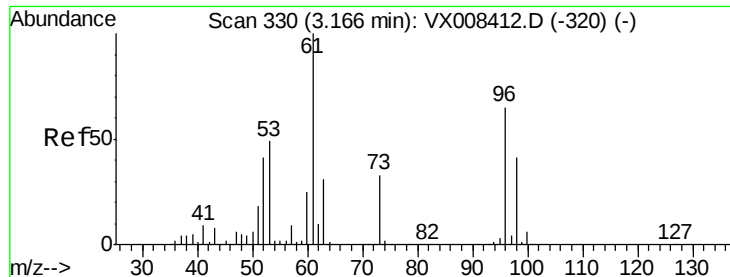


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.86 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VX008523.D
 Acq: 28 Mar 2019 16:37

Tgt Ion: 84 Resp: 1121
 Ion Ratio Lower Upper
 84 100
 49 119.7 110.6 165.8
 51 50.6 33.9 50.9
 86 68.9 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008523.D

Acq: 28 Mar 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-MW25D-GW

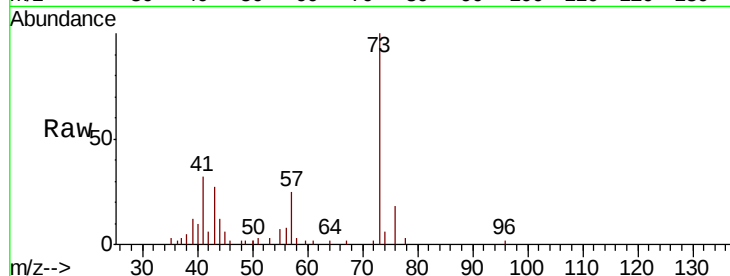
Tot Ion: 96 Resp: 25

Ion Ratio Lower Upper

96 100

61 114.7 122.6 184.0#

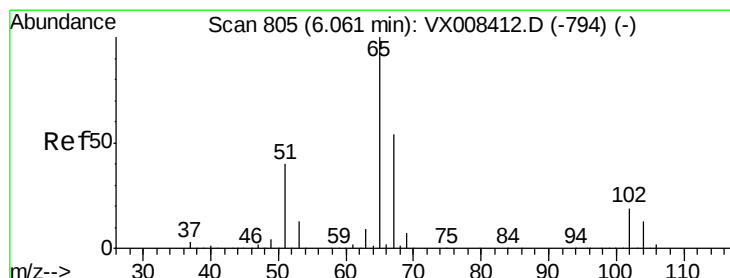
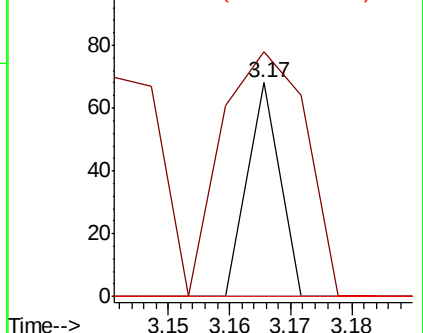
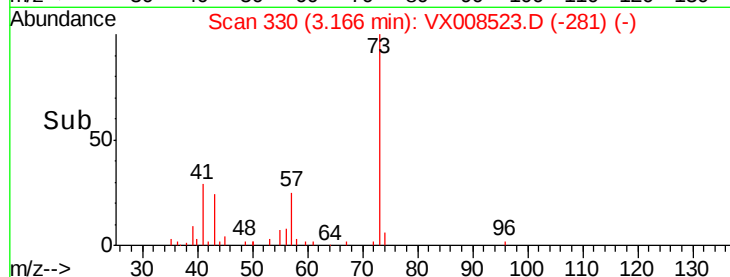
98 0.0 50.9 76.3#



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: 46.408 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008523.D

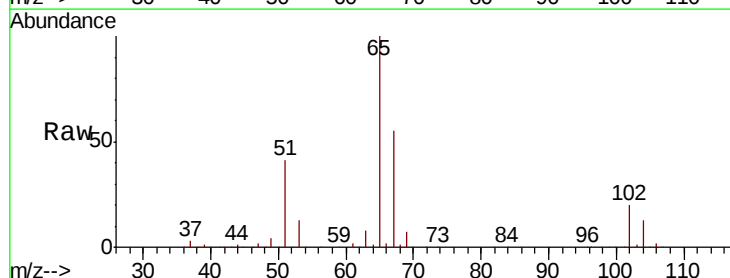
Acq: 28 Mar 2019 16:37

Tgt Ion: 65 Resp: 162153

Ion Ratio Lower Upper

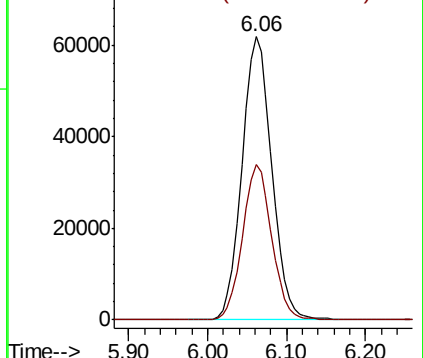
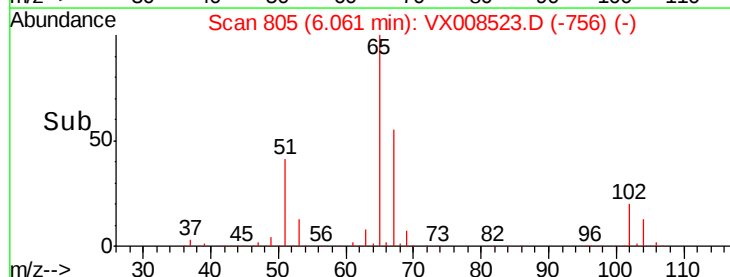
65 100

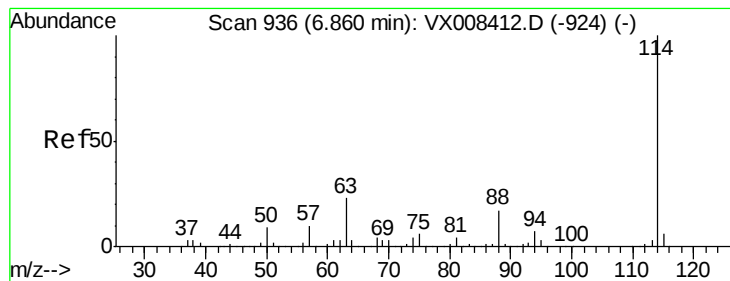
67 54.0 0.0 109.4



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: VX008523.D

Acq: 28 Mar 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-MW25D-GW

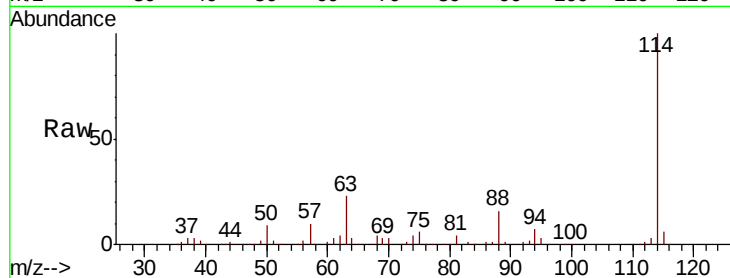
Tot Ion:114 Resp: 389246

Ion Ratio Lower Upper

114 100

63 23.5 0.0 46.4

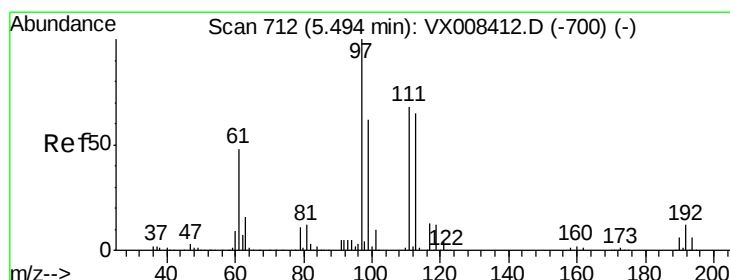
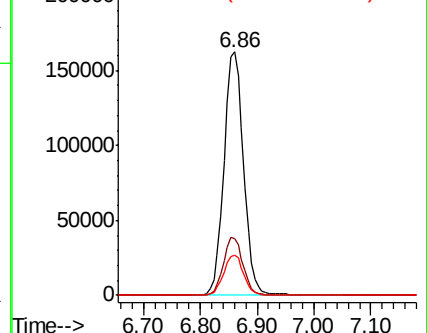
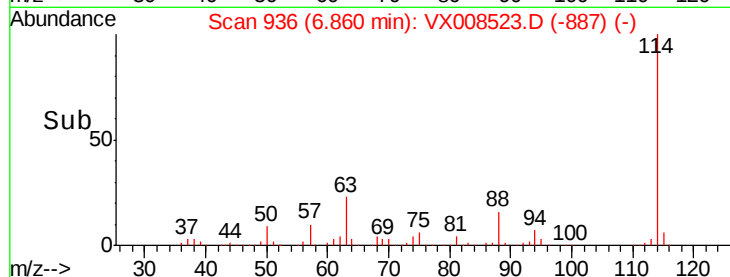
88 16.3 0.0 33.2



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: 46.675 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008523.D

Acq: 28 Mar 2019 16:37

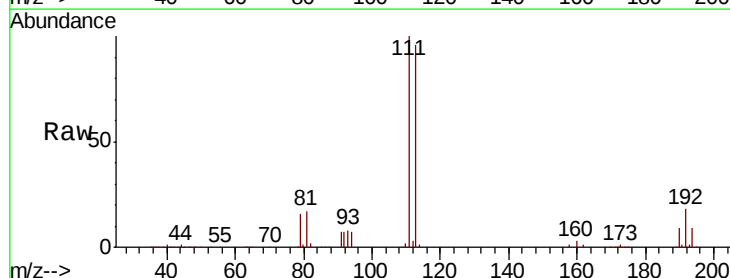
Tgt Ion:113 Resp: 118465

Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.4

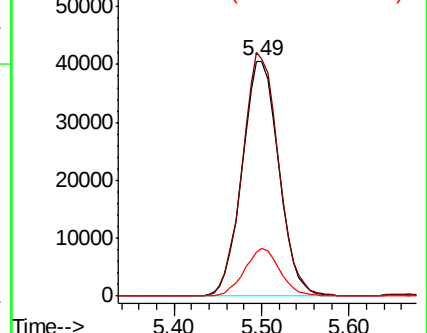
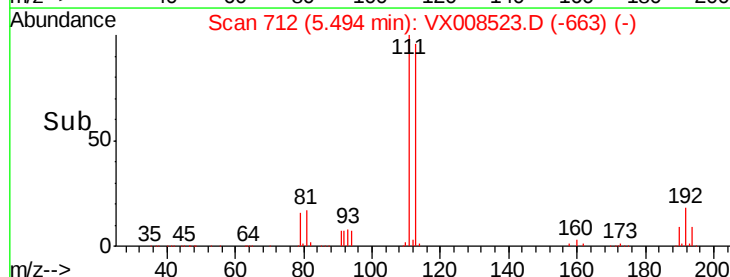
192 19.6 15.6 23.4

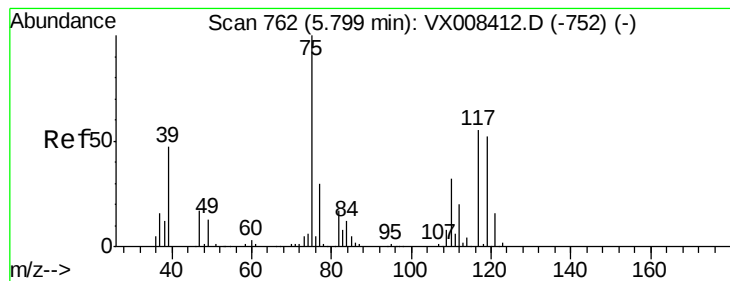


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.813 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008523.D

Acq: 28 Mar 2019 16:37

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ClientSampleId :

QNWP8-MW25D-GW

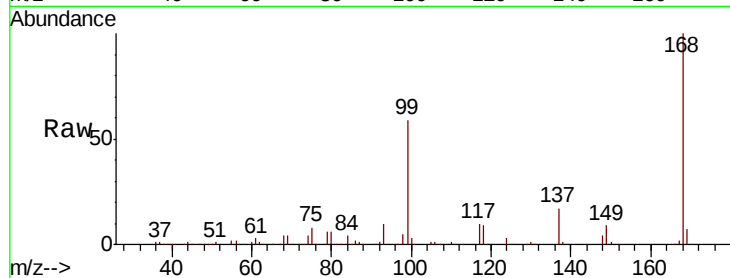
Tot Ion: 75 Resp: 19973

Ion Ratio Lower Upper

75 100

110 8.2 16.6 49.7#

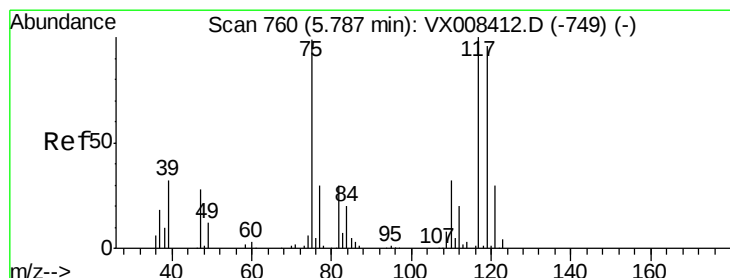
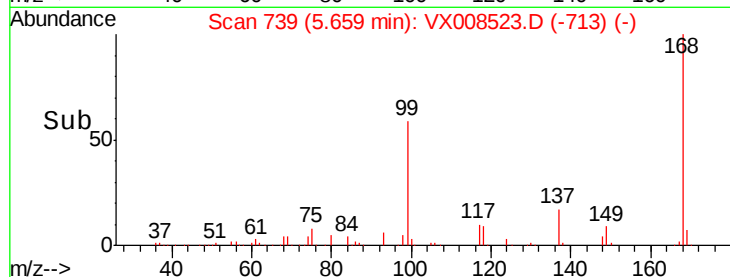
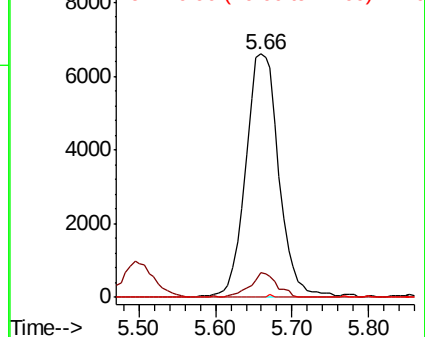
77 0.1 24.2 36.2#



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: 6.677 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008523.D

Acq: 28 Mar 2019 16:37

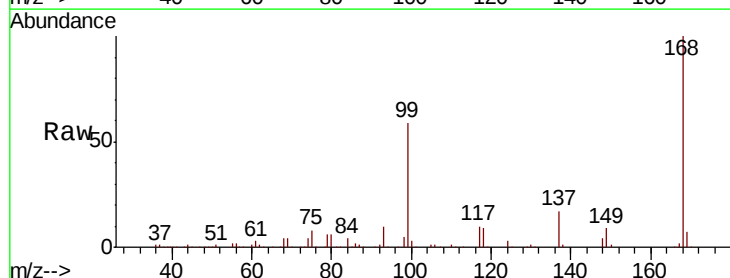
Tgt Ion:117 Resp: 23125

Ion Ratio Lower Upper

117 100

119 4.7 76.7 115.1#

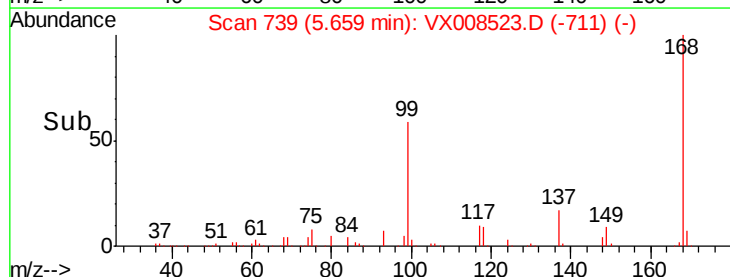
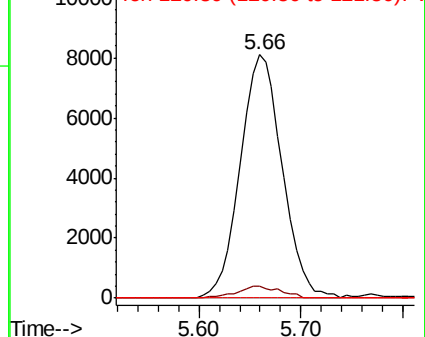
121 0.0 24.3 36.5#

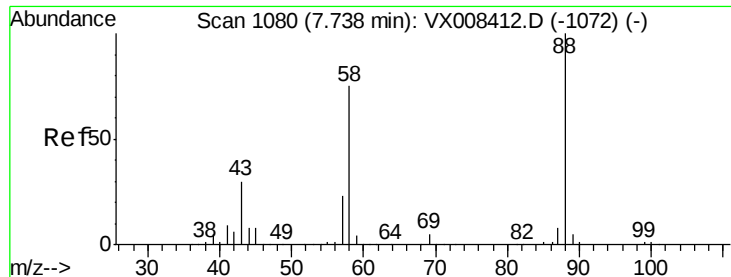


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

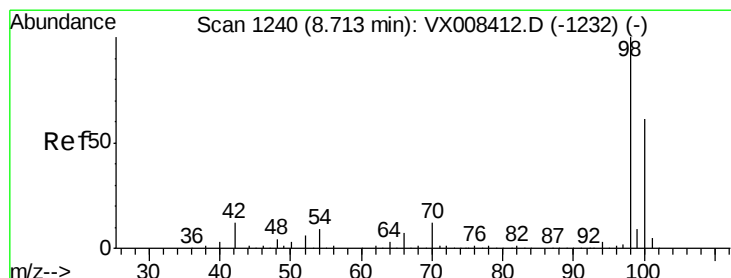
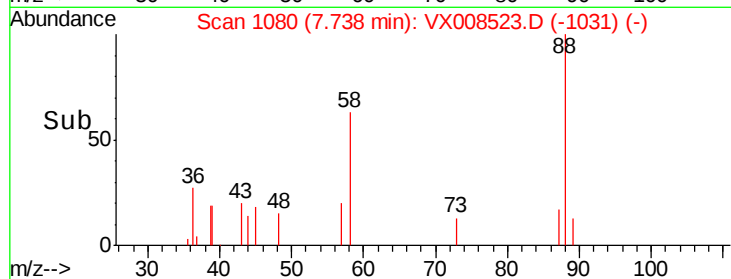
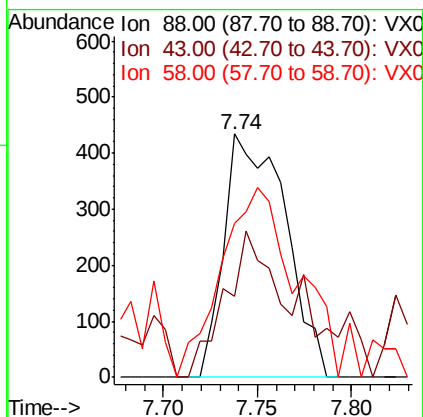
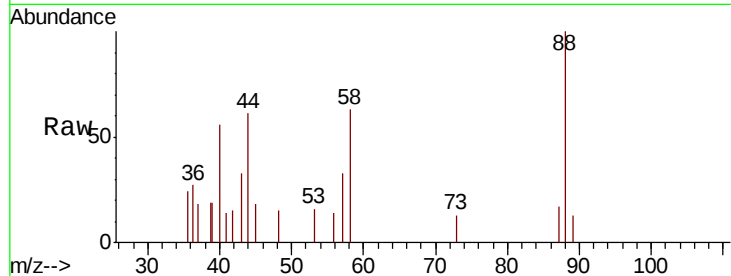




#49
1,4-Dioxane
Concen: 11.419 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX008523.D
Acq: 28 Mar 2019 16:37

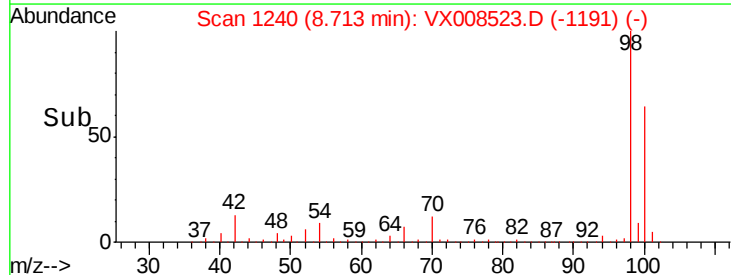
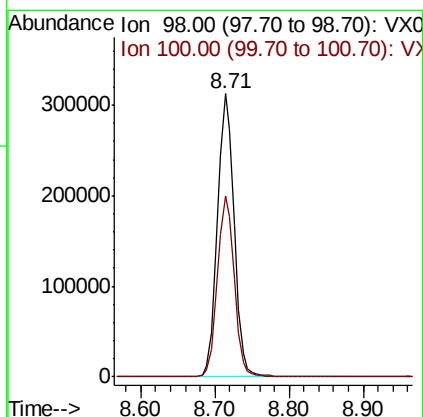
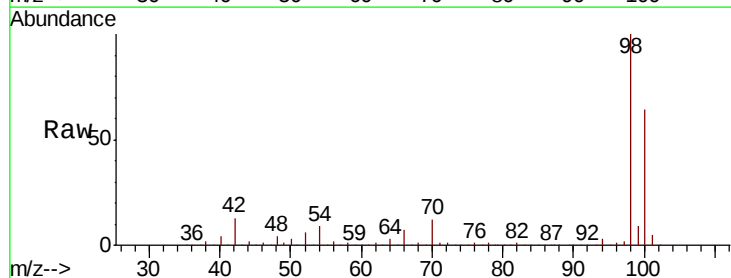
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-MW25D-GW

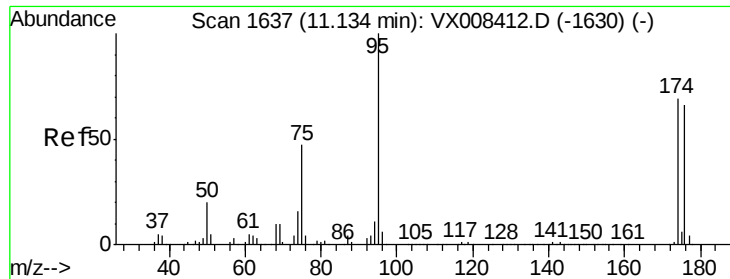
Tot Ion: 88 Resp: 977
Ion Ratio Lower Upper
88 100
43 65.5 28.6 43.0#
58 98.7 63.0 94.4#



#50
Toluene-d8
Concen: 47.641 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008523.D
Acq: 28 Mar 2019 16:37

Tgt Ion: 98 Resp: 483491
Ion Ratio Lower Upper
98 100
100 64.4 51.1 76.7





#62

4-Bromofluorobenzene

Concen: 43.494 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008523.D

Acq: 28 Mar 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-MW25D-GW

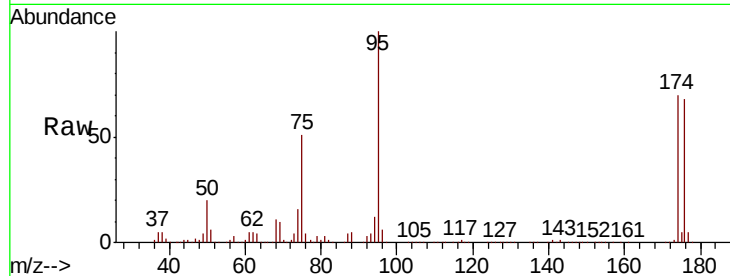
Tot Ion: 95 Resp: 163568

Ion Ratio Lower Upper

95 100

174 74.6 0.0 147.2

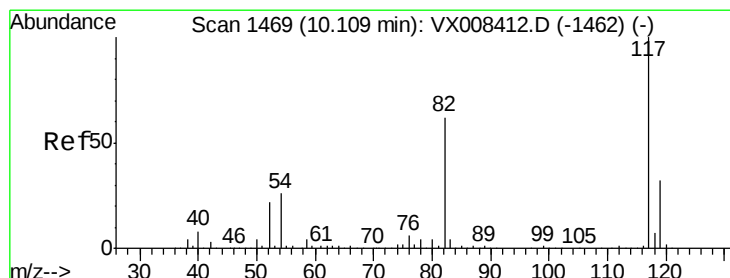
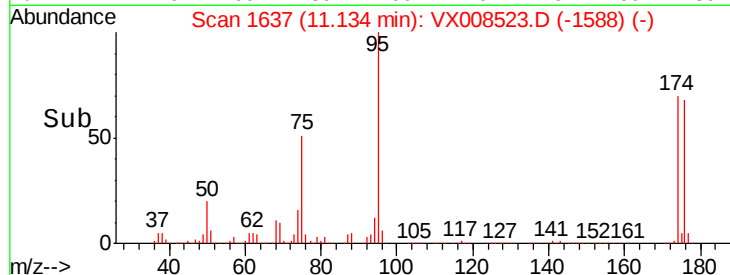
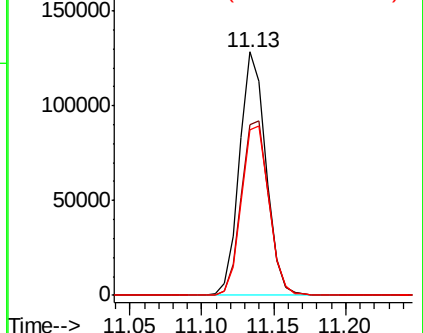
176 72.5 0.0 142.4



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: VX008523.D

Acq: 28 Mar 2019 16:37

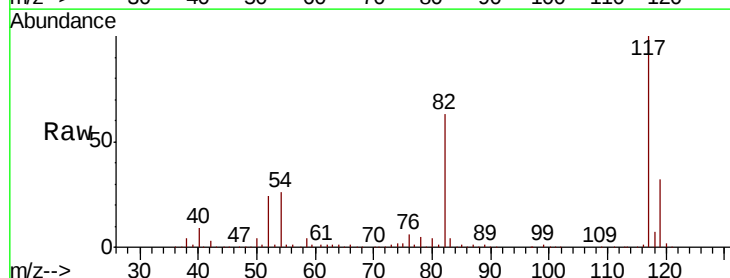
Tgt Ion: 117 Resp: 333018

Ion Ratio Lower Upper

117 100

82 63.1 49.4 74.2

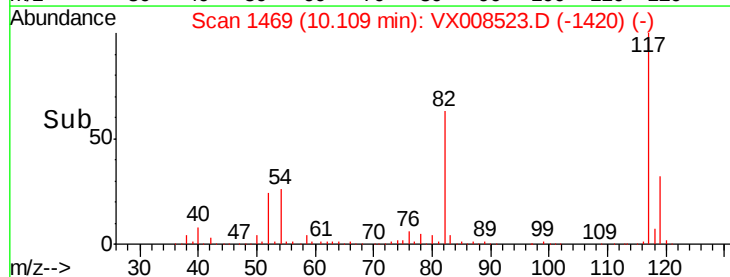
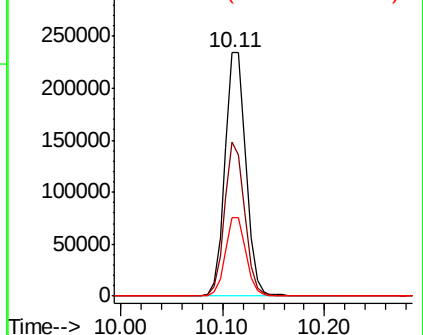
119 32.0 25.4 38.0

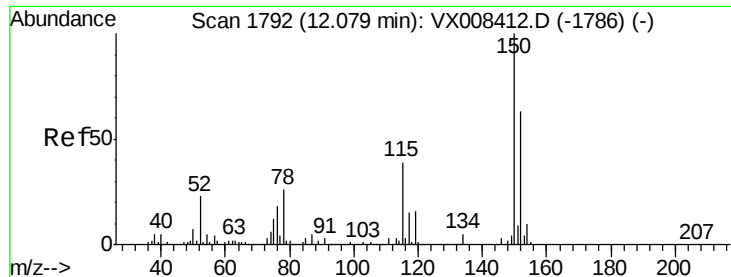


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX008523.D

Acq: 28 Mar 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-MW25D-GW

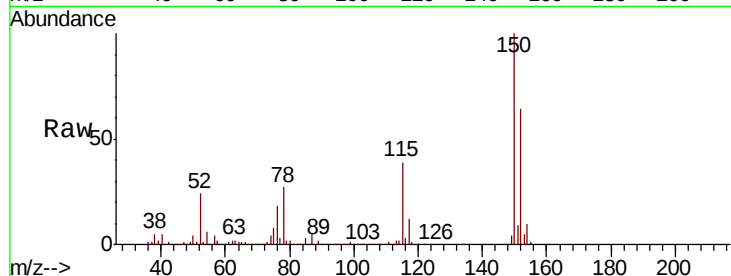
Tot Ion:152 Resp: 137703

Ion Ratio Lower Upper

152 100

115 61.9 43.5 130.5

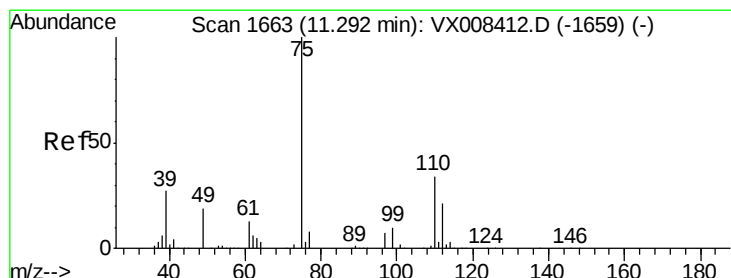
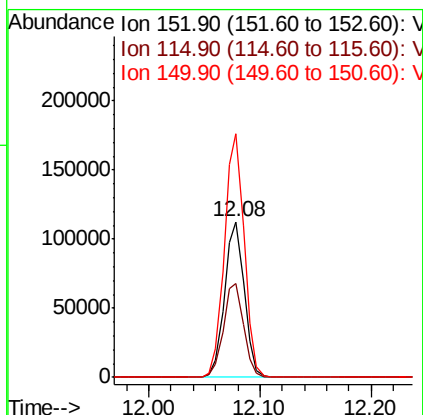
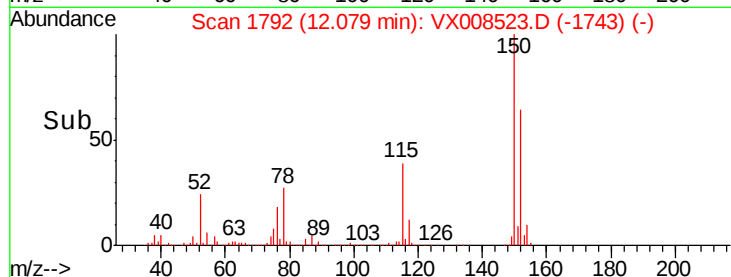
150 156.5 0.0 348.8



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: 20.378 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008523.D

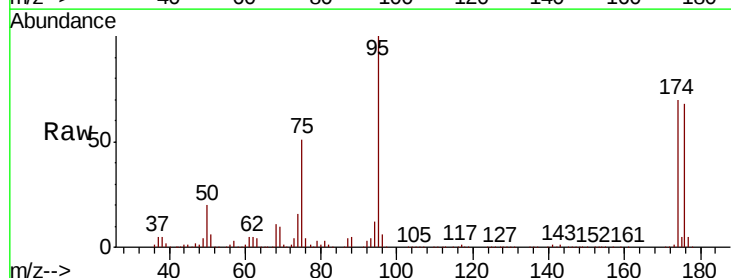
Acq: 28 Mar 2019 16:37

Tgt Ion: 75 Resp: 83422

Ion Ratio Lower Upper

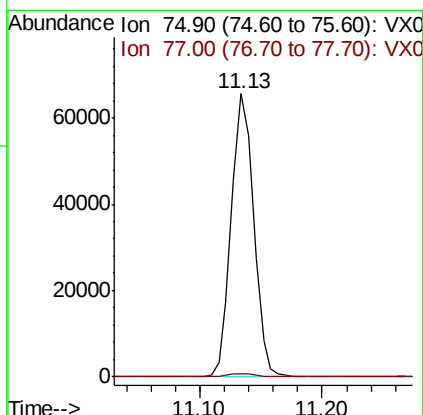
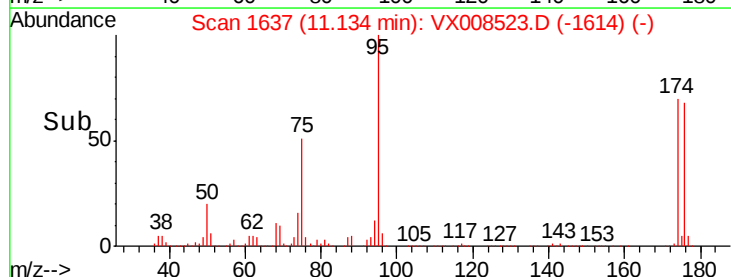
75 100

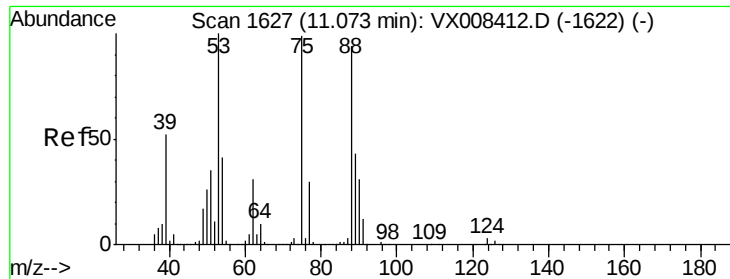
77 1.5 21.9 65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

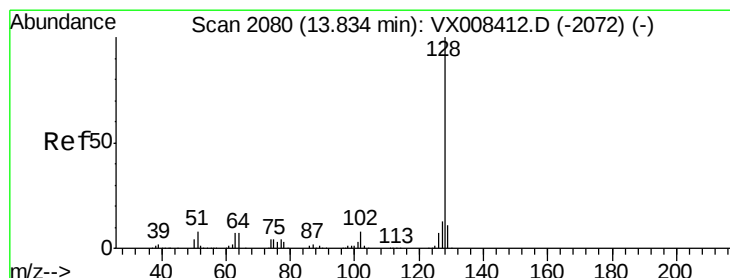
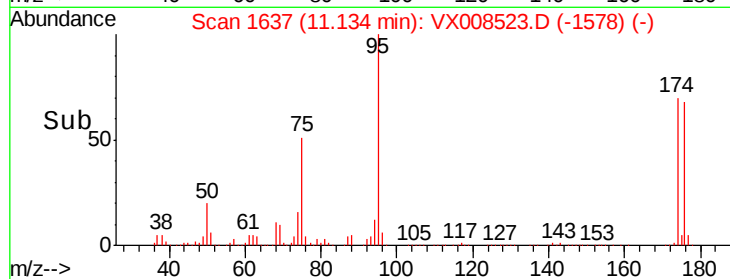
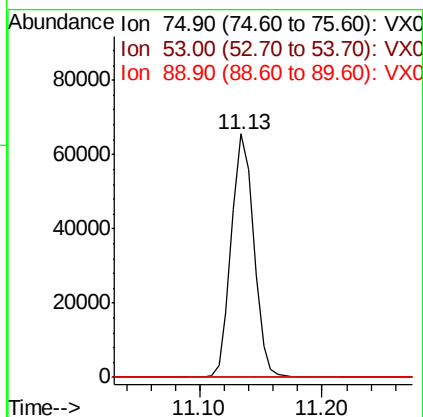
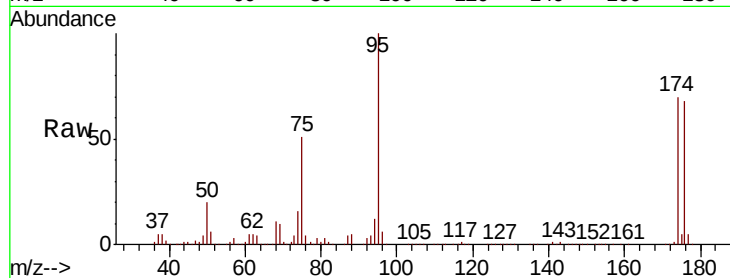




#81
trans-1,4-Dichloro-2-butene
Concen: 65.267 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX008523.D
Acq: 28 Mar 2019 16:37

Instrument :
MSVOA_X
ClientSampleId :
QNWP8-MW25D-GW

Tot Ion: 75 Resp: 83422
Ion Ratio Lower Upper
75 100
53 0.2 82.1 123.1#
89 0.0 34.6 52.0#



#95
Naphthalene
Concen: 0.871 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008523.D
Acq: 28 Mar 2019 16:37

Tgt Ion: 128 Resp: 9781
Ion Ratio Lower Upper
128 100
127 14.3 10.4 15.6
129 11.4 8.7 13.1

