

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032819\
 Data File : VX008520.D
 Acq On : 28 Mar 2019 15:27
 Operator : JC/SP
 Sample : K2115-03 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-MW26S-GW

Quant Time: Mar 29 02:28:04 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	232665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	387204	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	338666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	148618	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	160496	45.50	ug/l	0.00
Spiked Amount			Recovery	=	91.00%	
35) Dibromofluoromethane	5.50	113	118887	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
50) Toluene-d8	8.71	98	493061	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.13	95	170669	45.62	ug/l	0.00
Spiked Amount			Recovery	=	91.24%	

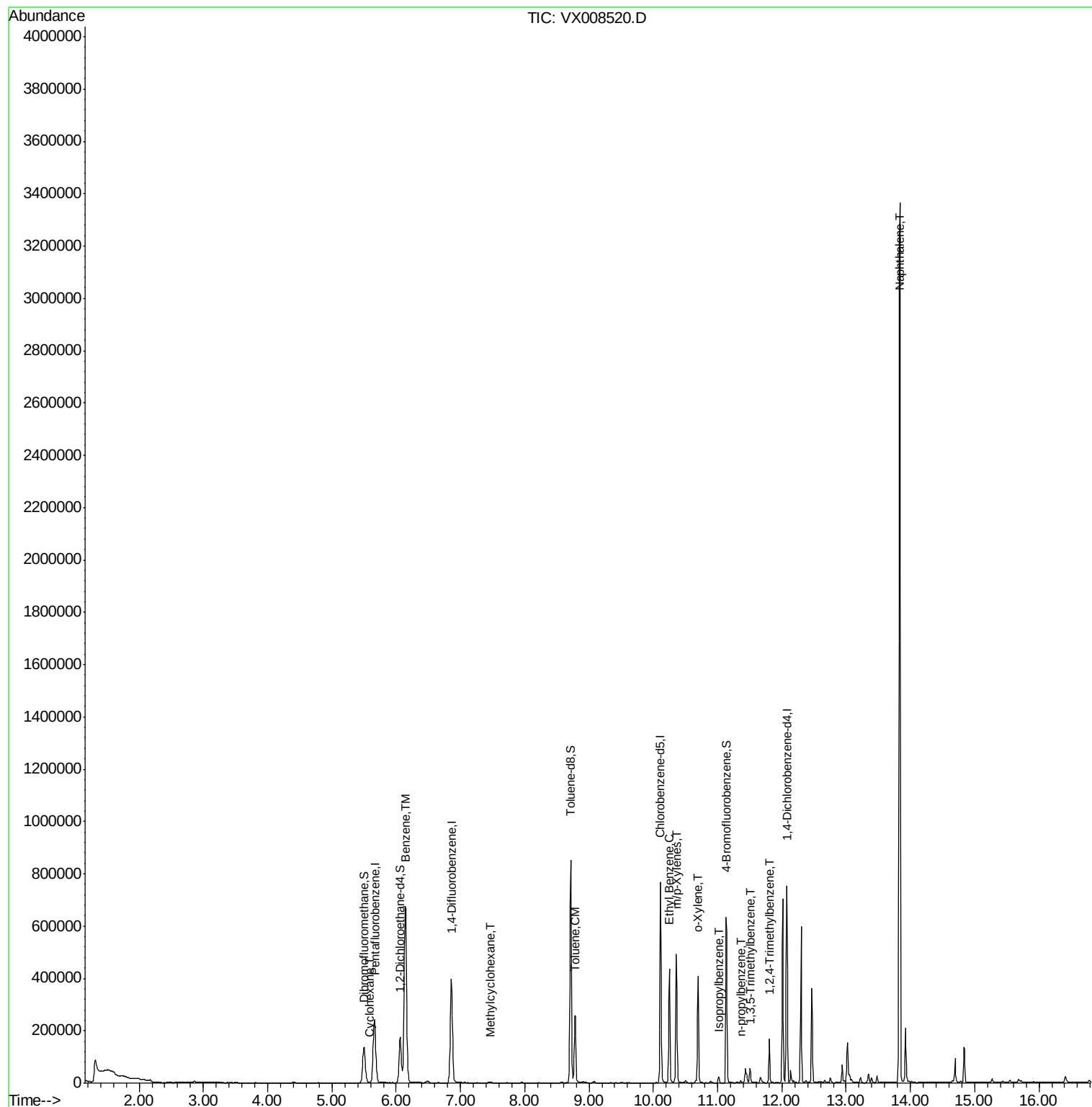
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.58	56	1647	0.291	ug/l	93
39) Methylcyclohexane	7.46	83	1664	0.337	ug/l #	83
40) Benzene	6.14	78	805095	65.139	ug/l	99
52) Toluene	8.79	92	97760	13.228	ug/l	97
67) Ethyl Benzene	10.25	91	247302	17.792	ug/l	100
68) m/p-Xylenes	10.36	106	112549	22.257	ug/l	98
69) o-Xylene	10.69	106	86012	17.528	ug/l	99
73) Isopropylbenzene	11.02	105	11252	0.931	ug/l	100
78) n-propylbenzene	11.36	91	5110	0.361	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	22204	2.172	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	70130	6.783	ug/l	99
95) Naphthalene	13.83	128	1999658	165.000	ug/l	100

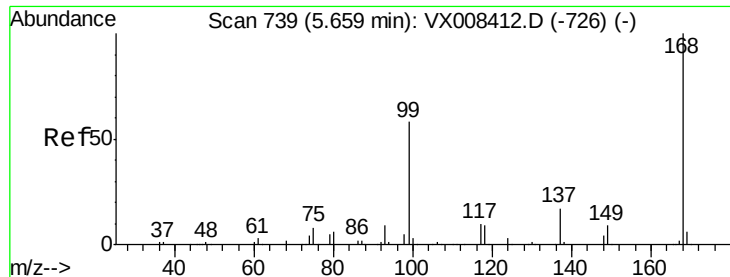
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008520.D

Acq: 28 Mar 2019 15:27

Instrument :

MSVOA_X

ClientSampleId :

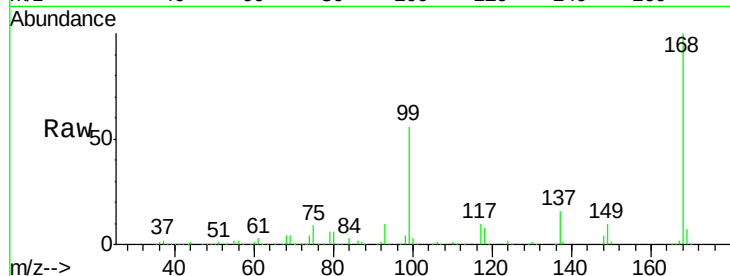
QNWP8-MW26S-GW

Tot Ion:168 Resp: 232665

Ion Ratio Lower Upper

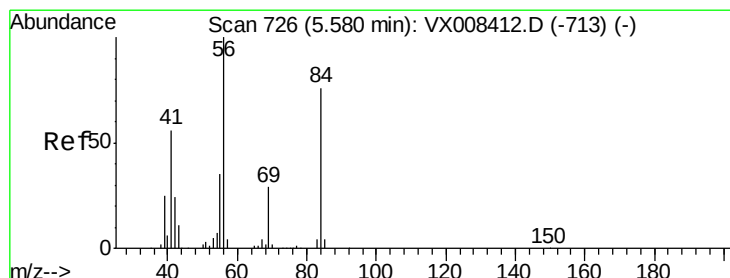
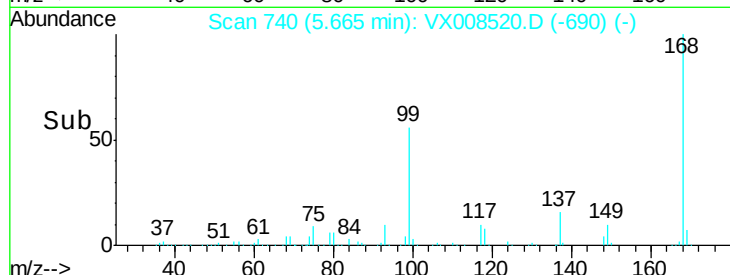
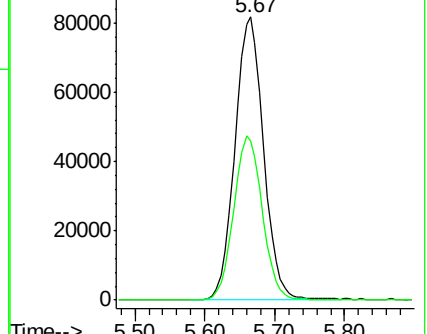
168 100

99 56.3 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 0.291 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008520.D

Acq: 28 Mar 2019 15:27

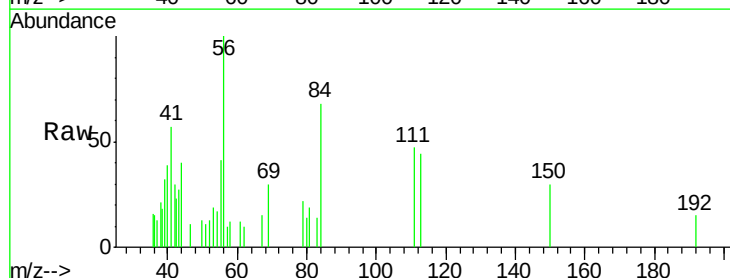
Tgt Ion: 56 Resp: 1647

Ion Ratio Lower Upper

56 100

69 29.9 23.2 34.8

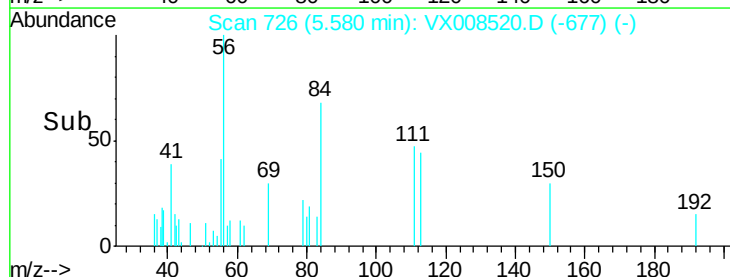
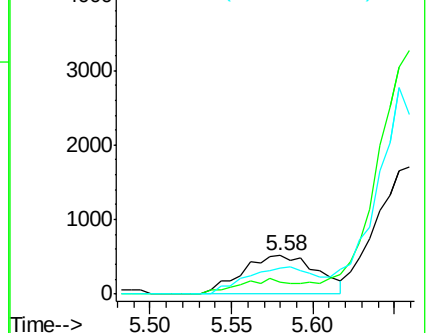
84 68.3 60.7 91.1

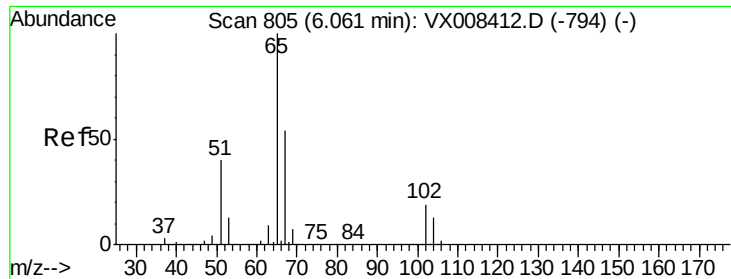


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 45.502 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008520.D

Acq: 28 Mar 2019 15:27

Instrument :

MSVOA_X

ClientSampleId :

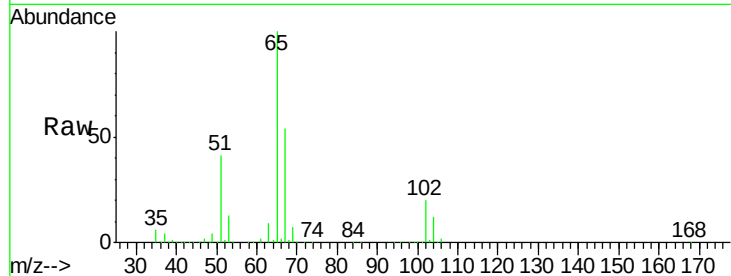
QNWP8-MW26S-GW

Tot Ion: 65 Resp: 160496

Ion Ratio Lower Upper

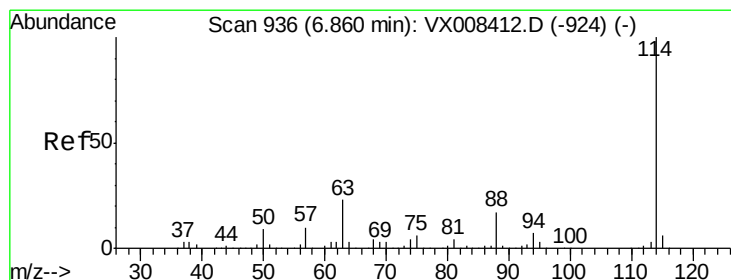
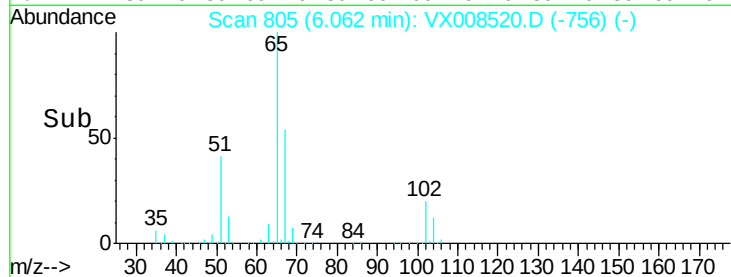
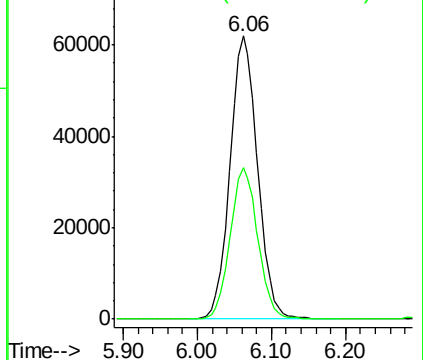
65 100

67 53.9 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: VX008520.D

Acq: 28 Mar 2019 15:27

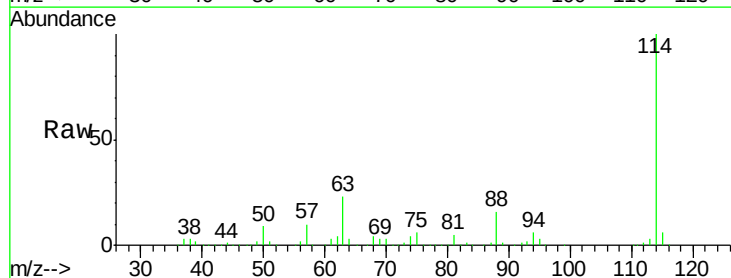
Tgt Ion: 114 Resp: 387204

Ion Ratio Lower Upper

114 100

63 23.2 0.0 46.4

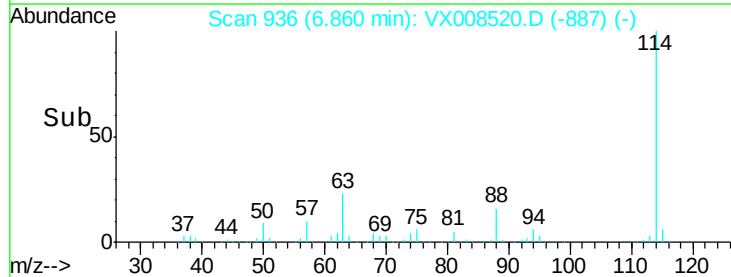
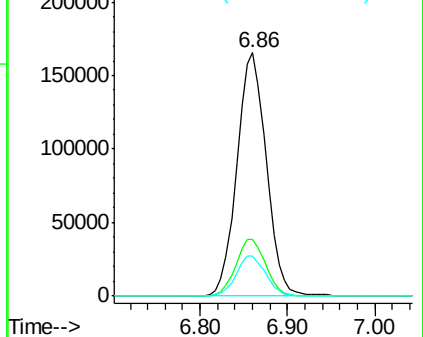
88 16.3 0.0 33.2

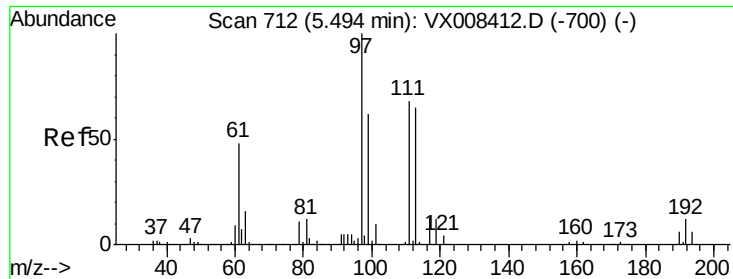


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

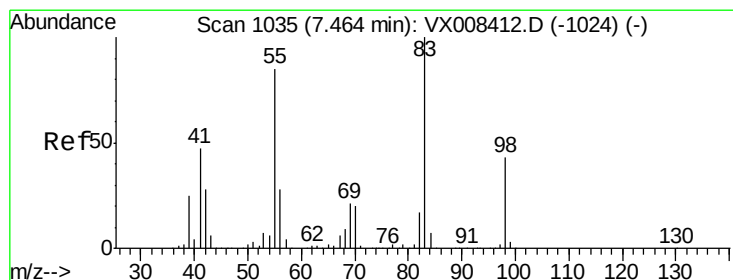
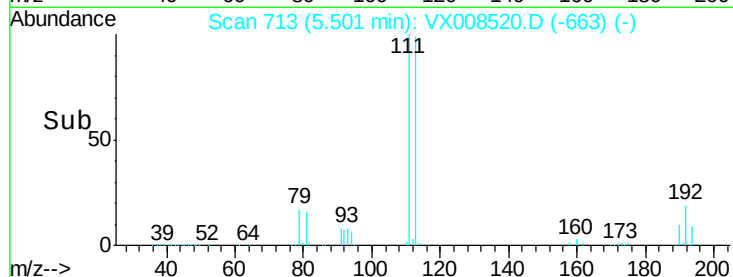
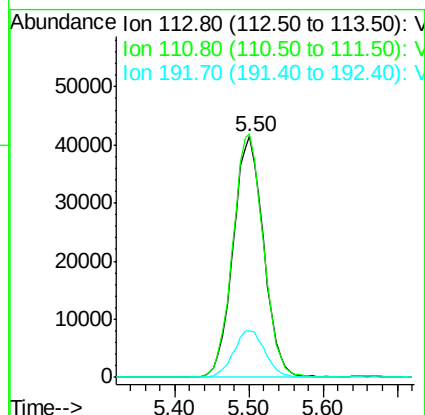
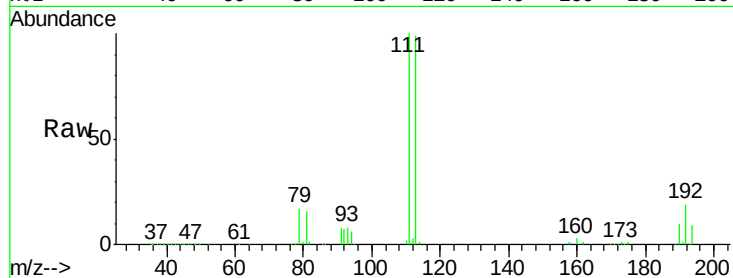




#35
 Dibromofluoromethane
 Concen: 47.089 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008520.D
 Acq: 28 Mar 2019 15:27

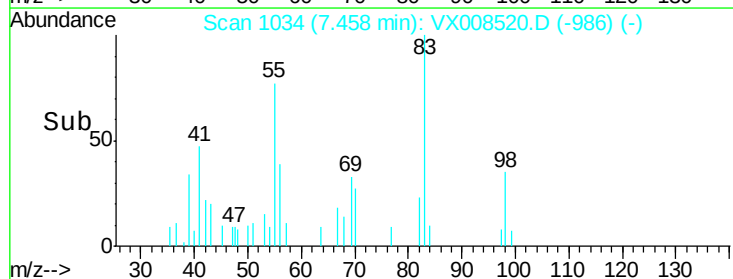
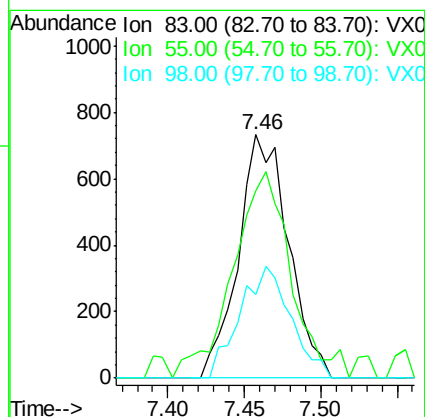
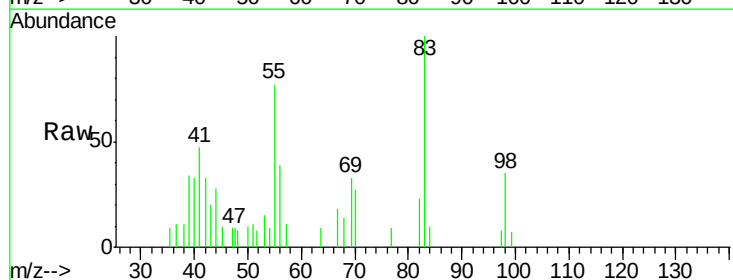
Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-MW26S-GW

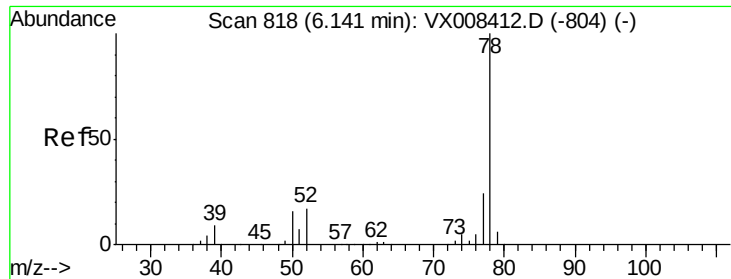
Tot Ion:113 Resp: 118887
 Ion Ratio Lower Upper
 113 100
 111 101.6 83.0 124.4
 192 20.0 15.6 23.4



#39
 Methylcyclohexane
 Concen: 0.337 ug/l
 RT: 7.46 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: VX008520.D
 Acq: 28 Mar 2019 15:27

Tgt Ion: 83 Resp: 1664
 Ion Ratio Lower Upper
 83 100
 55 67.9 68.2 102.4#
 98 34.5 34.2 51.4





#40

Benzene

Concen: 65.139 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX008520.D

Acq: 28 Mar 2019 15:27

Instrument :

MSVOA_X

ClientSampleId :

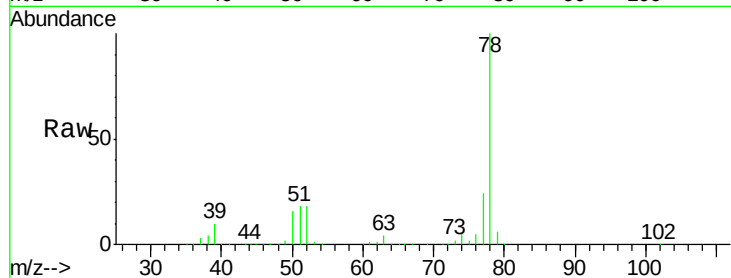
QNWP8-MW26S-GW

Tot Ion: 78 Resp: 805095

Ion Ratio Lower Upper

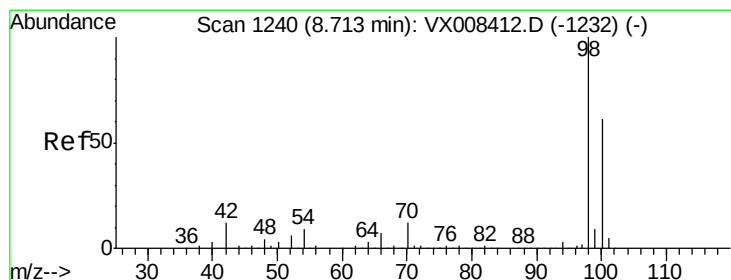
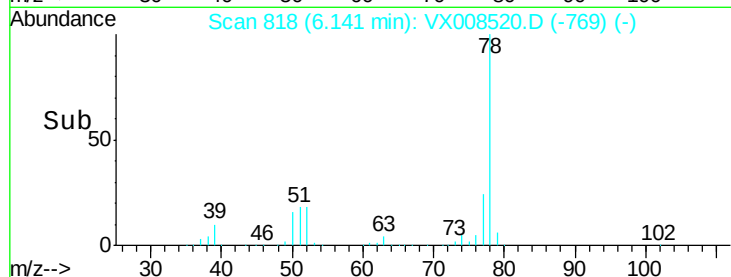
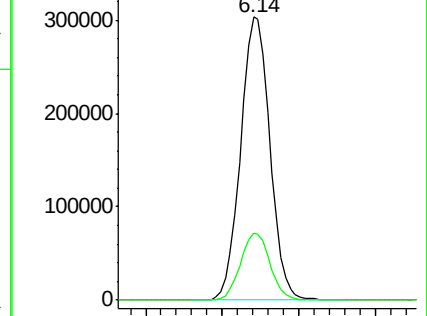
78 100

77 23.7 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 48.840 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008520.D

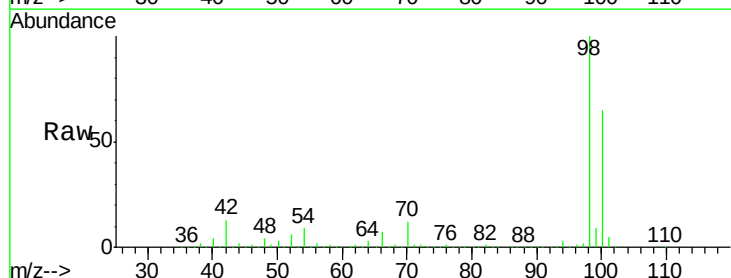
Acq: 28 Mar 2019 15:27

Tgt Ion: 98 Resp: 493061

Ion Ratio Lower Upper

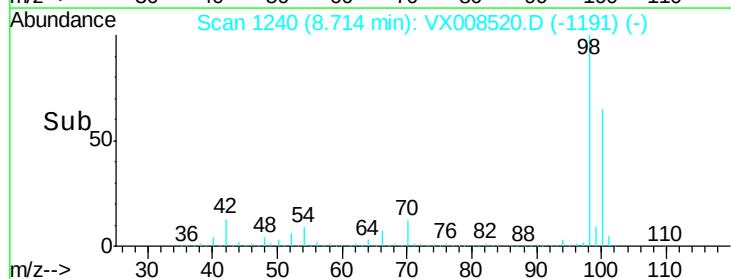
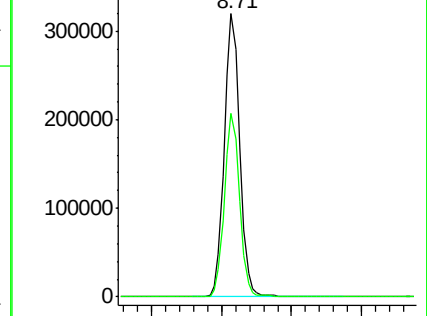
98 100

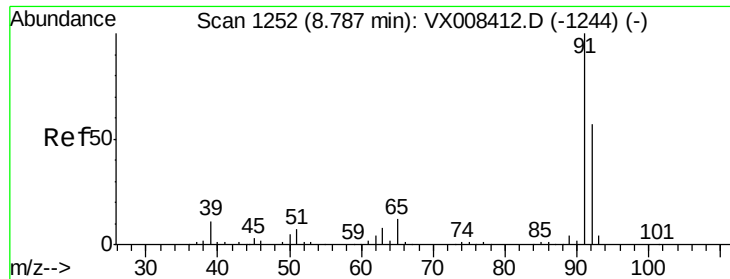
100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 13.228 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008520.D

Acq: 28 Mar 2019 15:27

Instrument :

MSVOA_X

ClientSampleId :

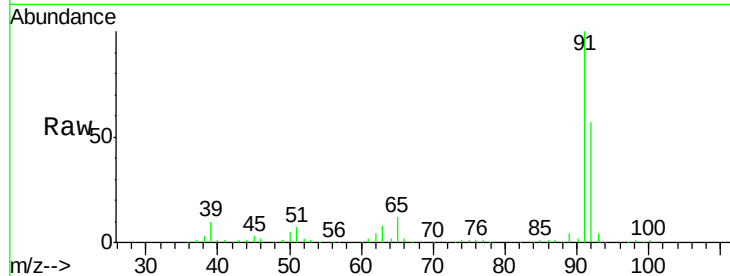
QNWP8-MW26S-GW

Tot Ion: 92 Resp: 97760

Ion Ratio Lower Upper

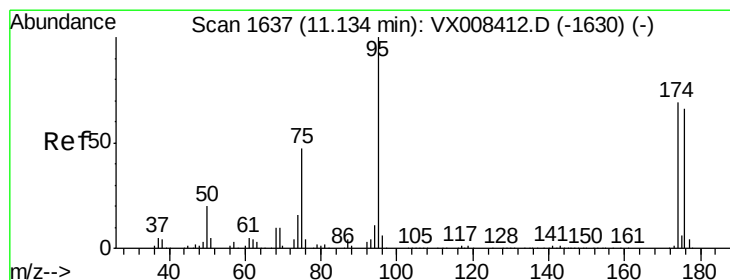
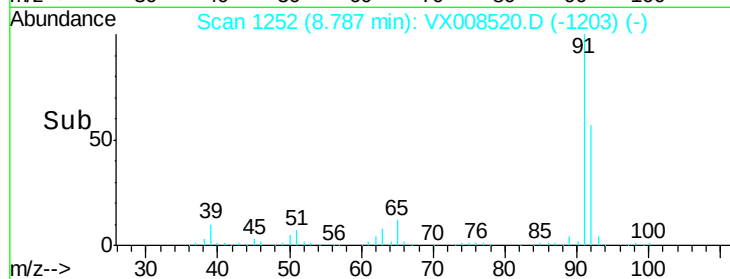
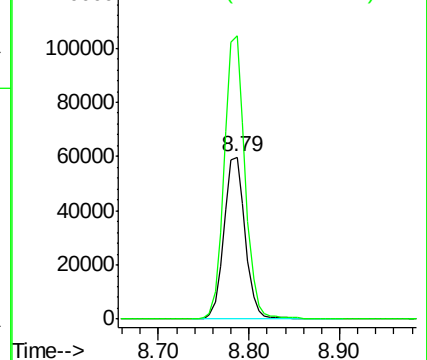
92 100

91 171.6 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.621 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008520.D

Acq: 28 Mar 2019 15:27

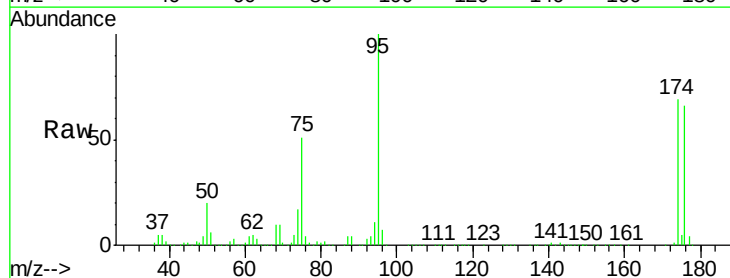
Tgt Ion: 95 Resp: 170669

Ion Ratio Lower Upper

95 100

174 74.2 0.0 147.2

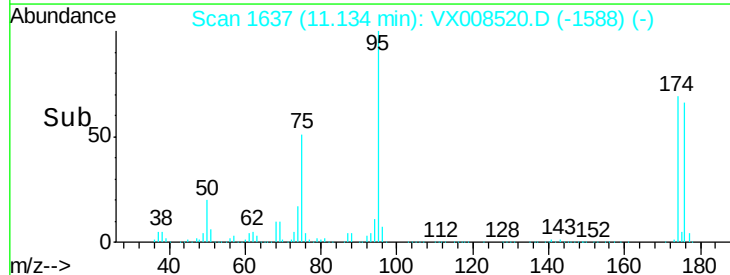
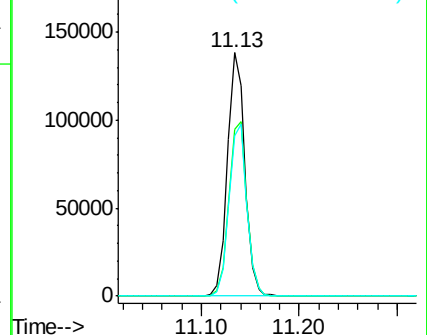
176 72.2 0.0 142.4

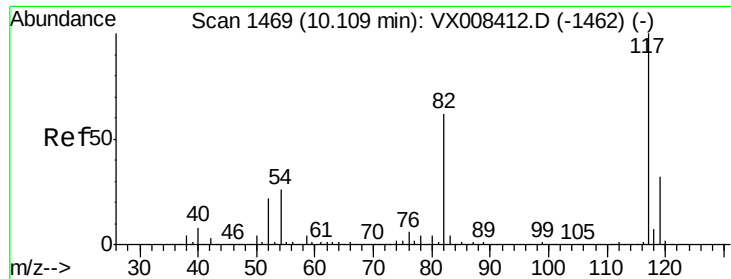


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

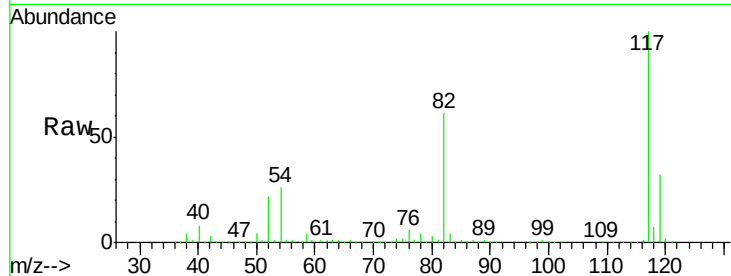




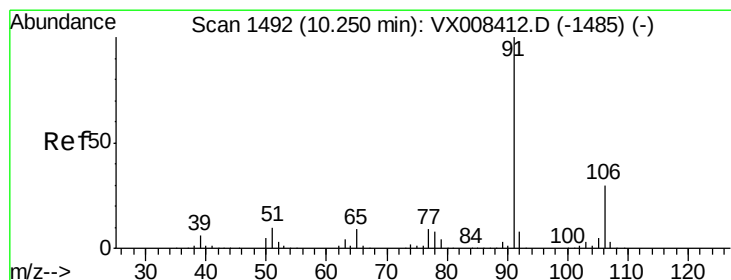
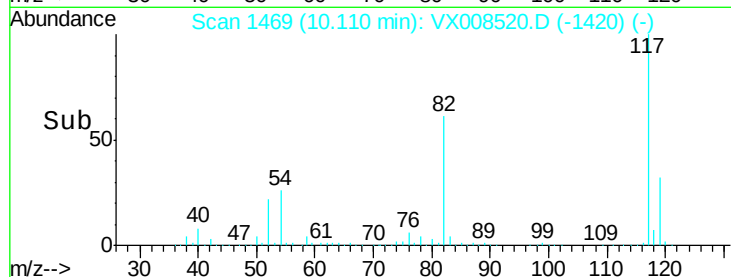
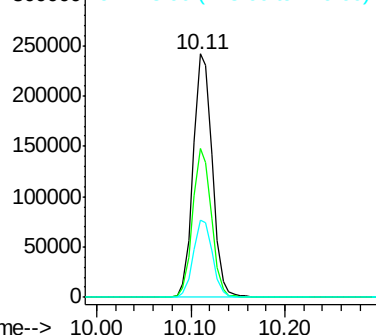
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008520.D
Acq: 28 Mar 2019 15:27

Instrument :
MSVOA_X
ClientSampleId :
QNWP8-MW26S-GW

Tot Ion:117 Resp: 338666
Ion Ratio Lower Upper
117 100
82 61.2 49.4 74.2
119 31.9 25.4 38.0

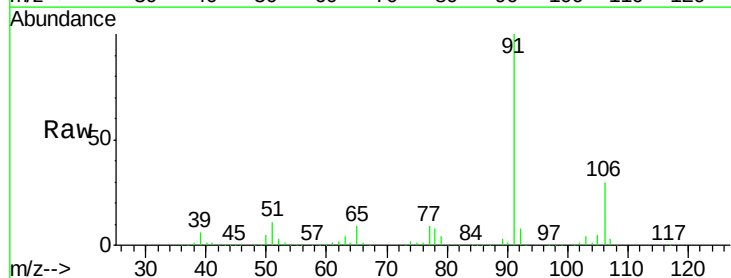


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

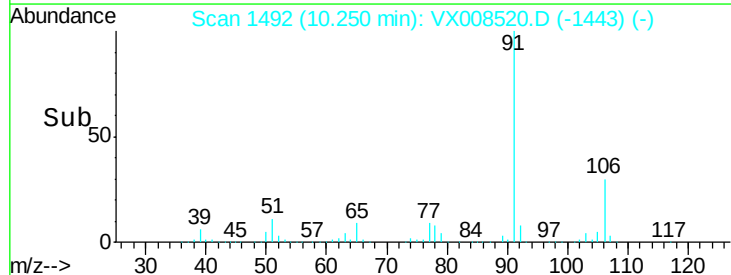
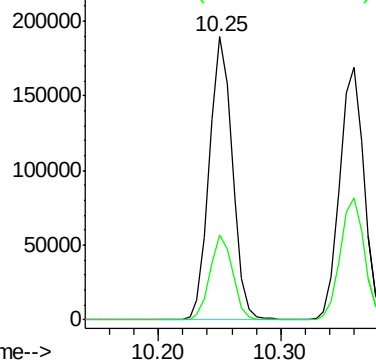


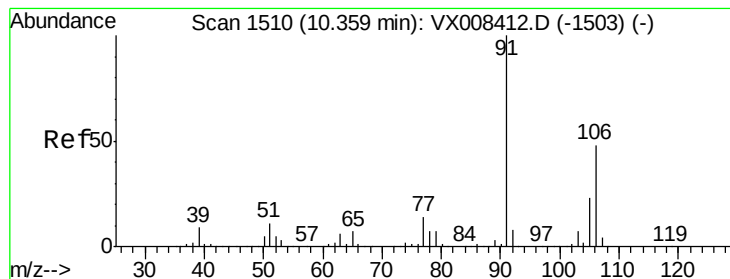
#67
Ethyl Benzene
Concen: 17.792 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008520.D
Acq: 28 Mar 2019 15:27

Tgt Ion: 91 Resp: 247302
Ion Ratio Lower Upper
91 100
106 29.9 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 22.257 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008520.D

Acq: 28 Mar 2019 15:27

Instrument :

MSVOA_X

ClientSampleId :

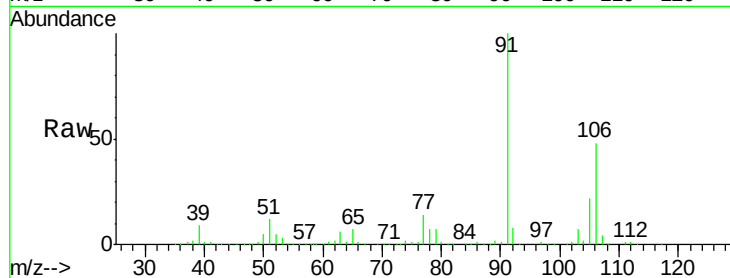
QNWP8-MW26S-GW

Tot Ion:106 Resp: 112549

Ion Ratio Lower Upper

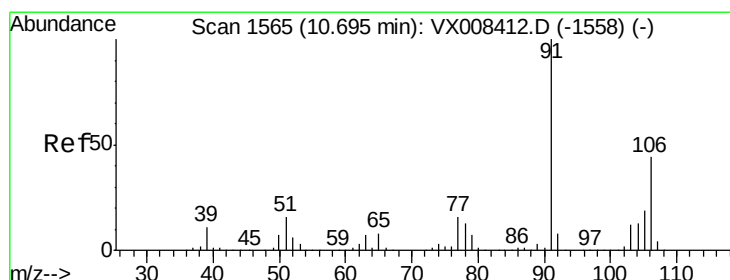
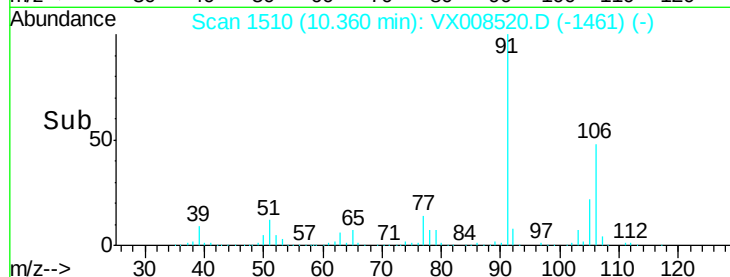
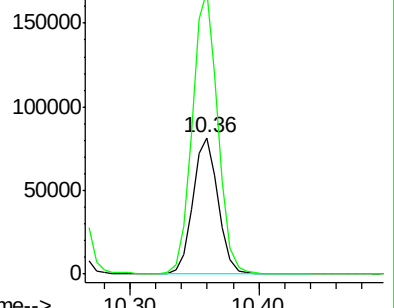
106 100

91 207.9 168.6 253.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 17.528 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX008520.D

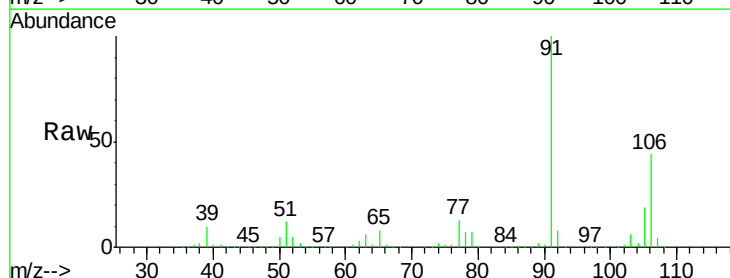
Acq: 28 Mar 2019 15:27

Tgt Ion:106 Resp: 86012

Ion Ratio Lower Upper

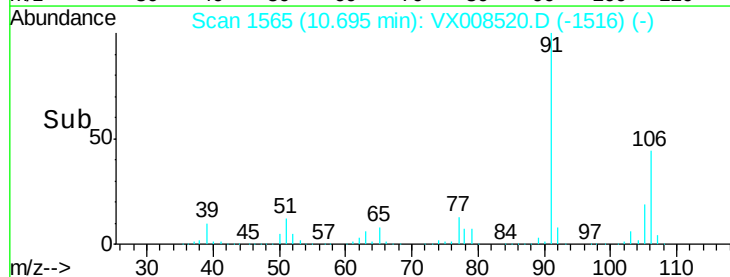
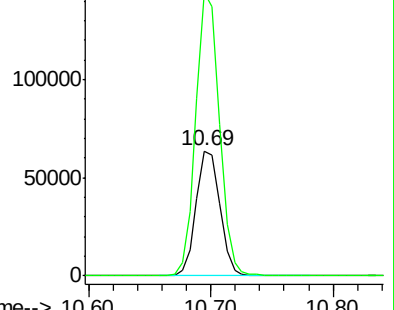
106 100

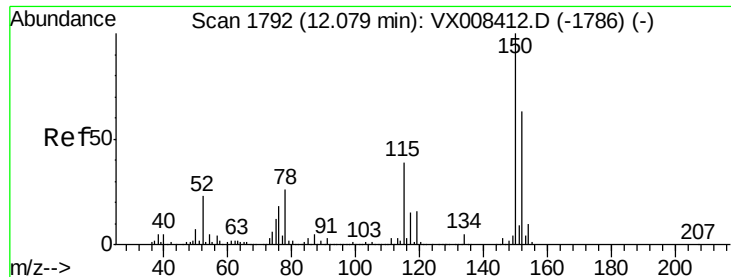
91 223.9 111.4 334.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008520.D

Acq: 28 Mar 2019 15:27

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-MW26S-GW

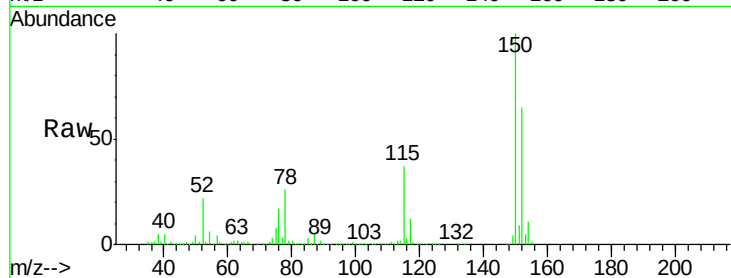
Tot Ion:152 Resp: 148618

Ion Ratio Lower Upper

152 100

115 60.7 43.5 130.5

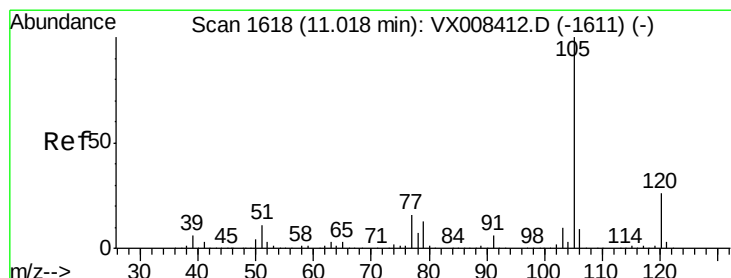
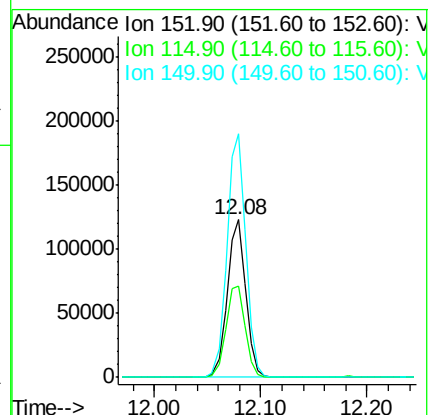
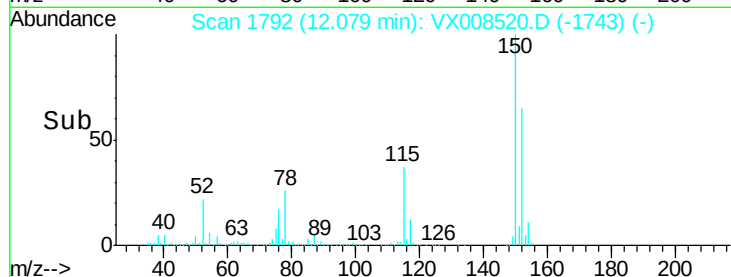
150 156.8 0.0 348.8



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



#73

Isopropylbenzene

Concen: 0.931 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008520.D

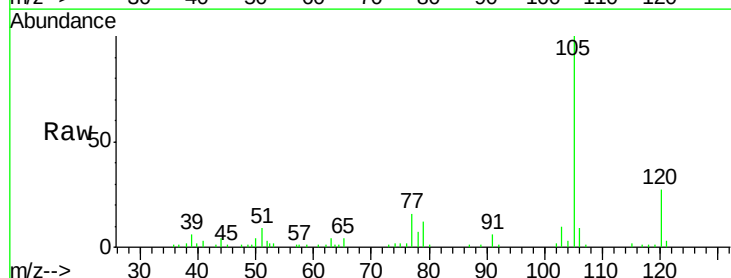
Acq: 28 Mar 2019 15:27

Tgt Ion:105 Resp: 11252

Ion Ratio Lower Upper

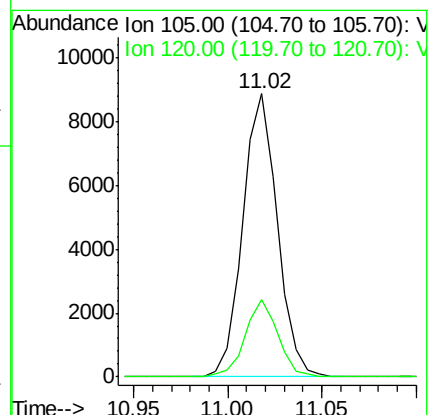
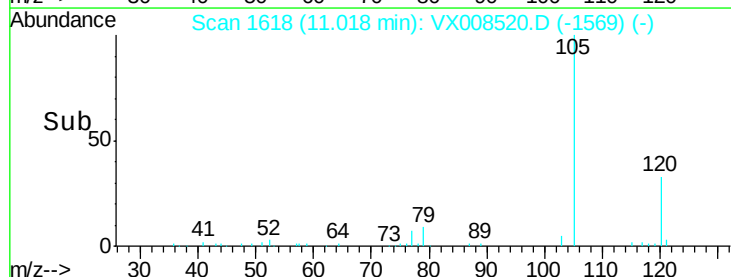
105 100

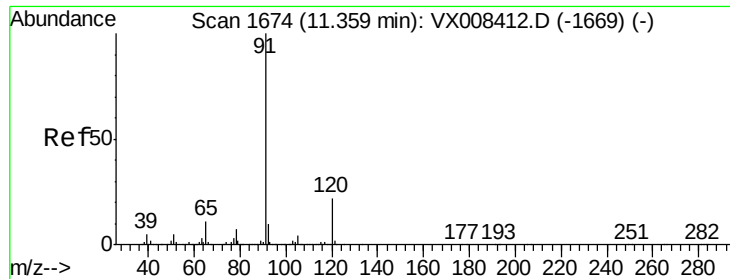
120 25.9 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.361 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008520.D

Acq: 28 Mar 2019 15:27

Instrument :

MSVOA_X

ClientSampleId :

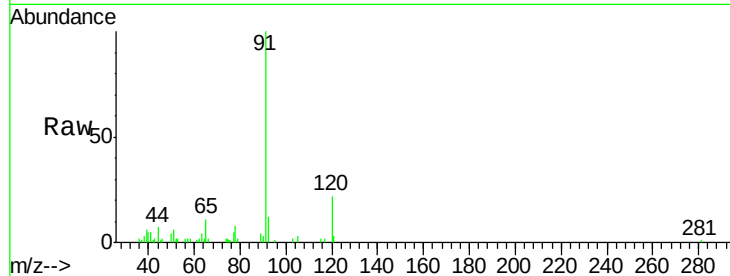
QNWP8-MW26S-GW

Tot Ion: 91 Resp: 5110

Ion Ratio Lower Upper

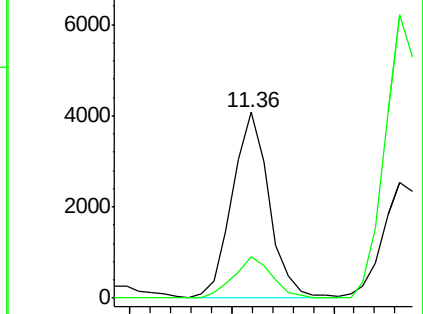
91 100

120 23.0 10.8 32.4

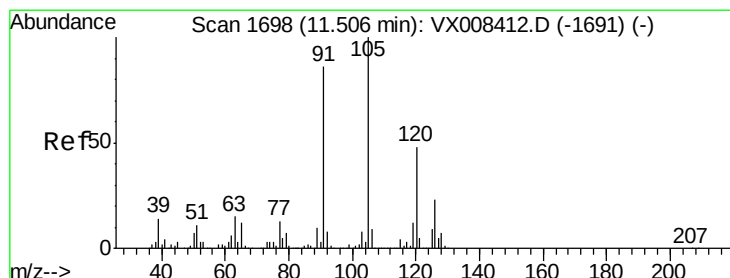
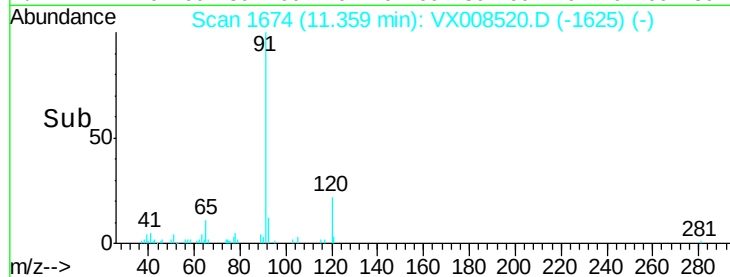


Abundance Ion 91.00 (90.70 to 91.70): VX008412.D (-1669) (-)

Ion 120.00 (119.70 to 120.70): VX008412.D (-1669) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 2.172 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008520.D

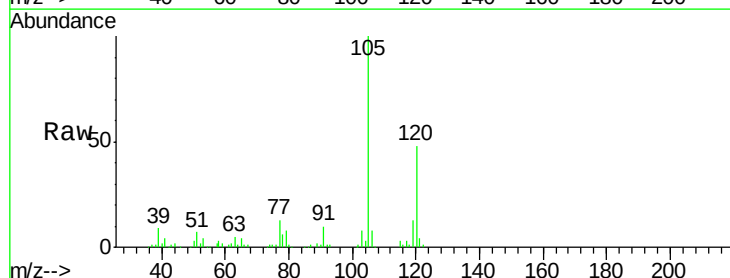
Acq: 28 Mar 2019 15:27

Tgt Ion: 105 Resp: 22204

Ion Ratio Lower Upper

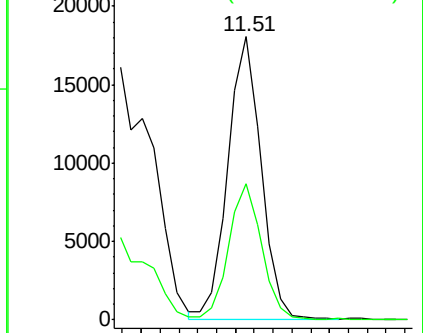
105 100

120 47.6 23.4 70.3

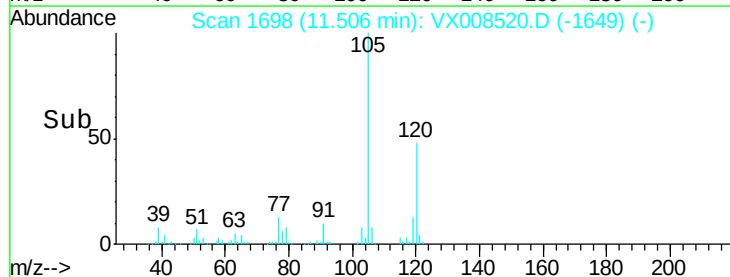


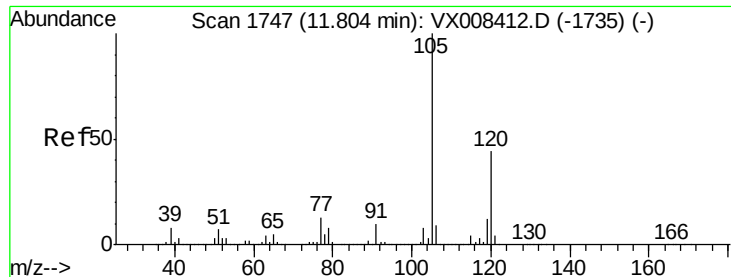
Abundance Ion 105.00 (104.70 to 105.70): VX008412.D (-1691) (-)

Ion 120.00 (119.70 to 120.70): VX008412.D (-1691) (-)



Time-->

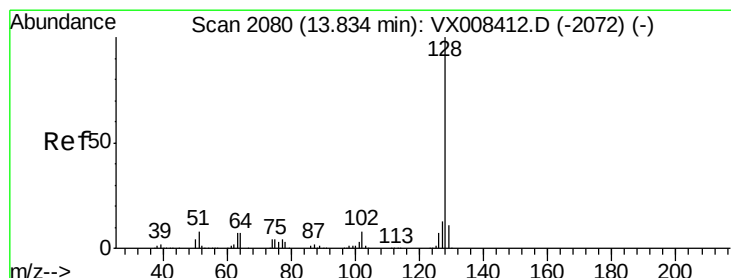
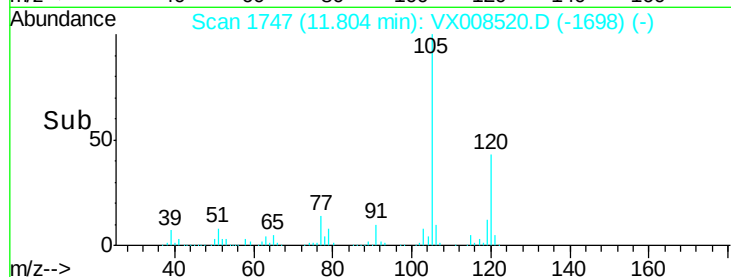
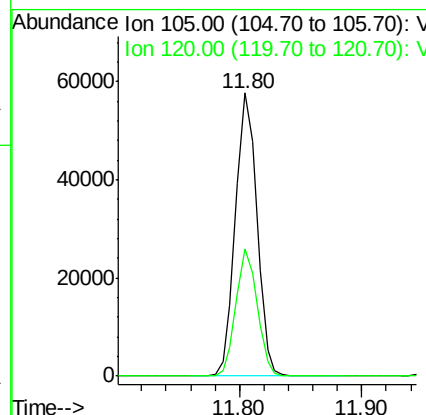
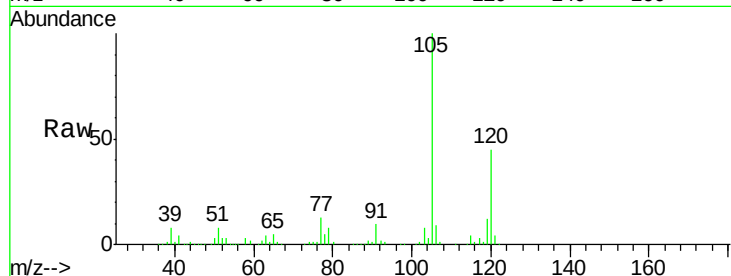




#84
 1,2,4-Trimethylbenzene
 Concen: 6.783 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008520.D
 Acq: 28 Mar 2019 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-MW26S-GW

Tot Ion:105 Resp: 70130
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.6 65.0



#95
 Naphthalene
 Concen: 165.000 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX008520.D
 Acq: 28 Mar 2019 15:27

Tgt Ion:128 Resp: 1999658
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.4 15.6
 129 10.9 8.7 13.1

