

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032819\
 Data File : VX008531.D
 Acq On : 28 Mar 2019 19:42
 Operator : JC/SP
 Sample : K2121-08DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUPDL

Quant Time: Mar 29 10:52:44 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	230147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	389123	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	335540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	140434	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	161949	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	
35) Dibromofluoromethane	5.50	113	119030	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	
50) Toluene-d8	8.71	98	489523	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
62) 4-Bromofluorobenzene	11.13	95	165274	43.96	ug/l	0.00
Spiked Amount			Recovery	=	87.92%	

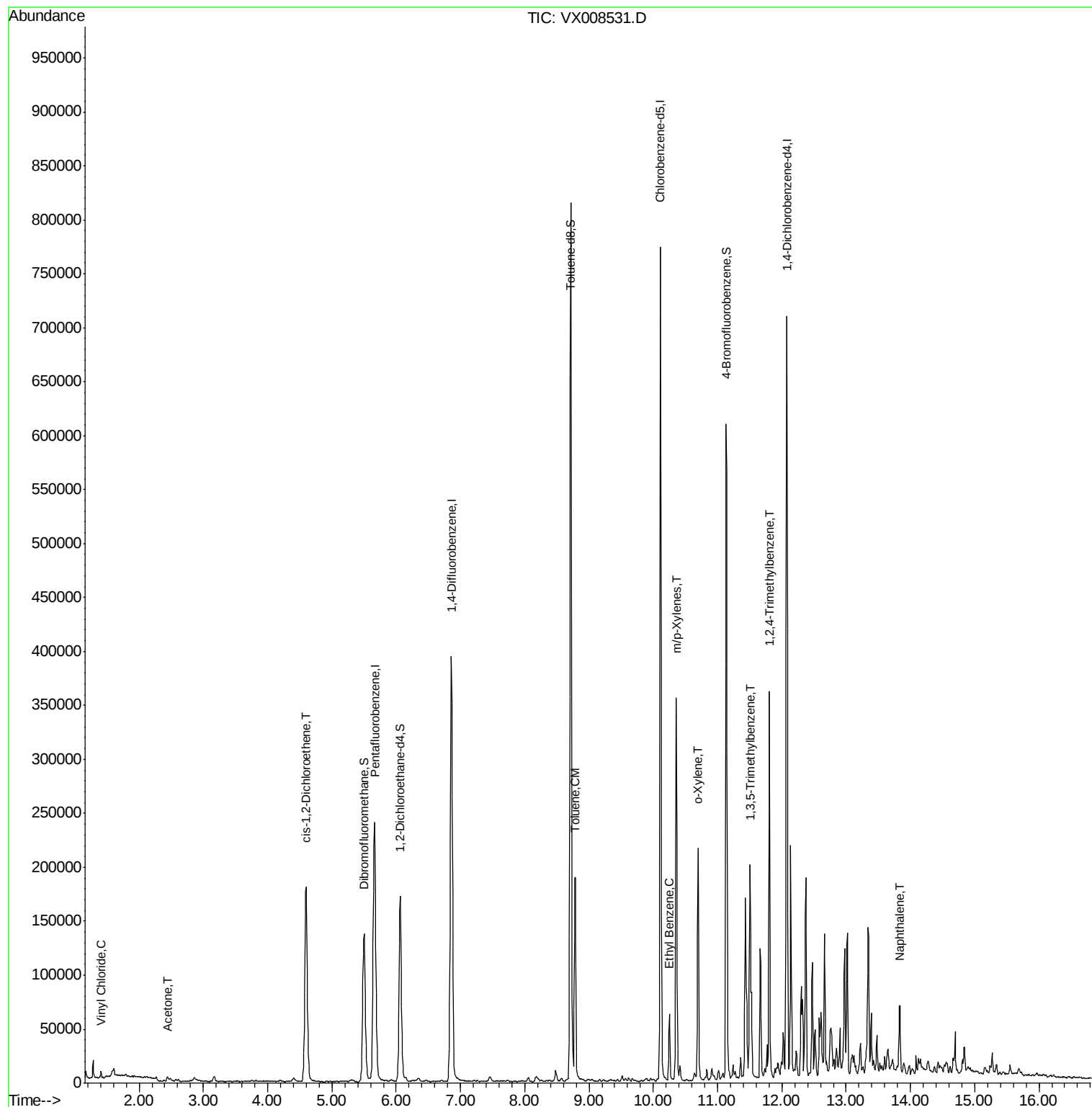
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	4421	1.167	ug/l	98
16) Acetone	2.44	43	5276	2.893	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	114453	34.957	ug/l	88
52) Toluene	8.79	92	71580	9.638	ug/l	98
67) Ethyl Benzene	10.25	91	33547	2.436	ug/l	98
68) m/p-Xylenes	10.36	106	81256	16.219	ug/l	99
69) o-Xylene	10.70	106	45950	9.451	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	79944	8.277	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	141483	14.482	ug/l	99
95) Naphthalene	13.83	128	37468	3.272	ug/l	98

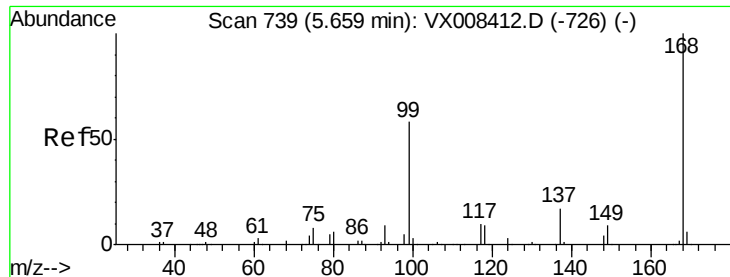
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032819\
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ClientSampleId :
DUPDL

Quant Time: Mar 29 10:52:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
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: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampled :

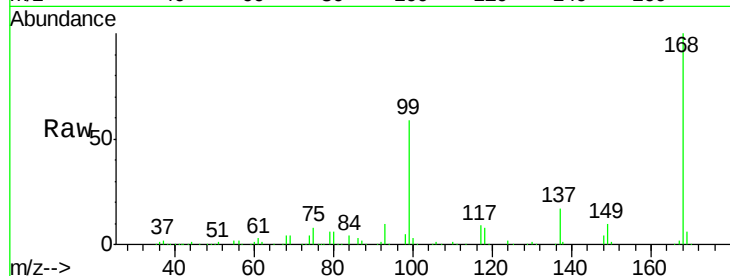
DUPDL

Tot Ion:168 Resp: 230147

Ion Ratio Lower Upper

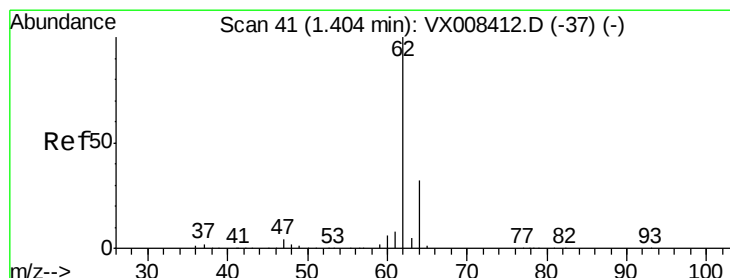
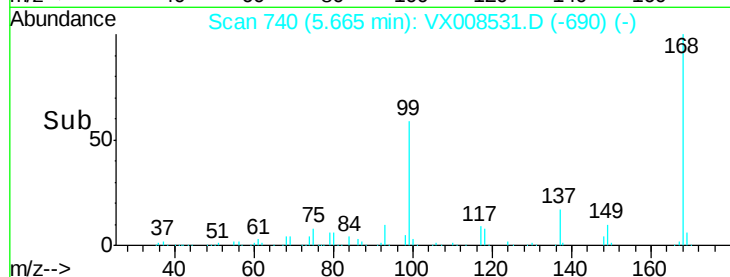
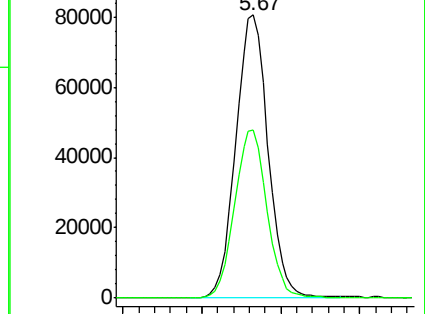
168 100

99 59.2 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 1.167 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX008531.D

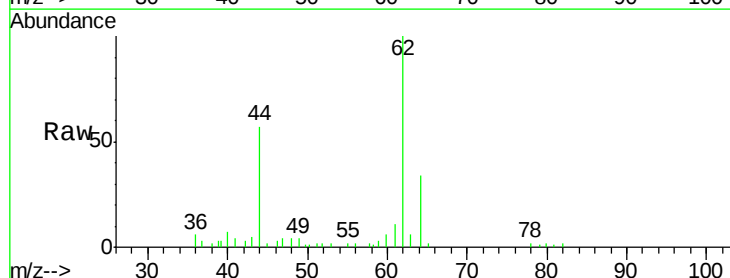
Acq: 28 Mar 2019 19:42

Tgt Ion: 62 Resp: 4421

Ion Ratio Lower Upper

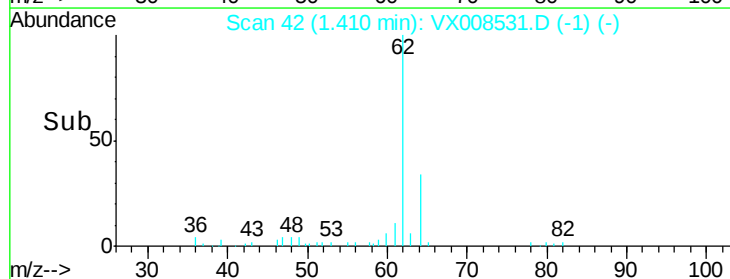
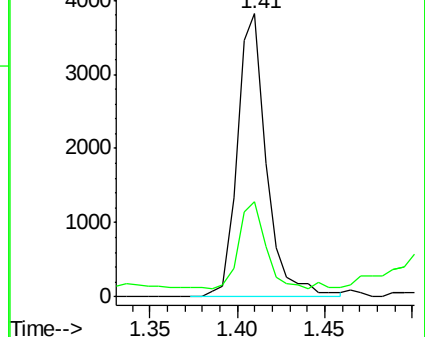
62 100

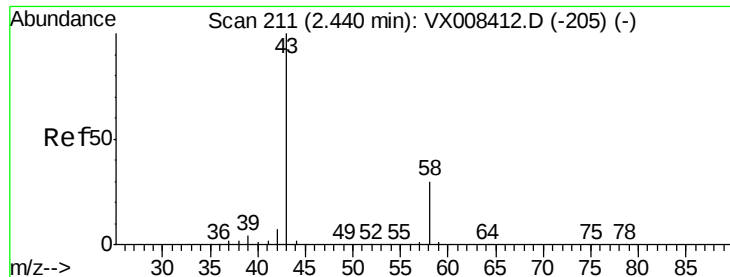
64 30.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#16

Acetone

Concen: 2.893 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

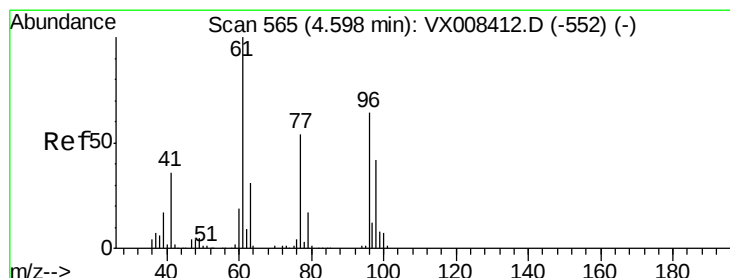
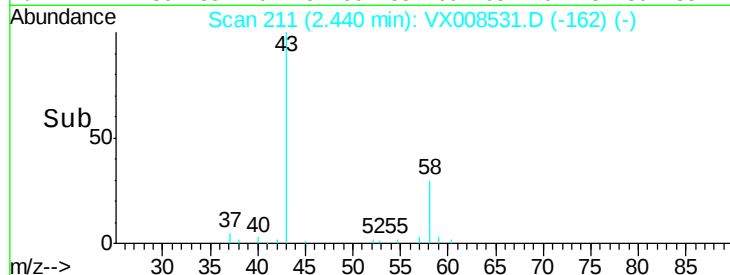
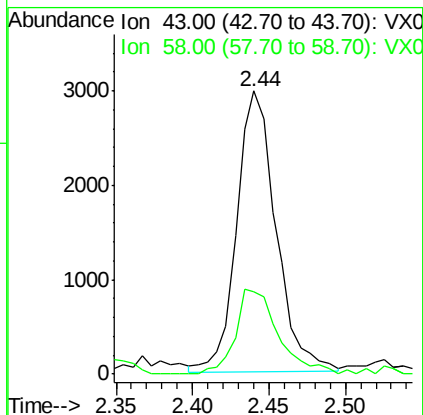
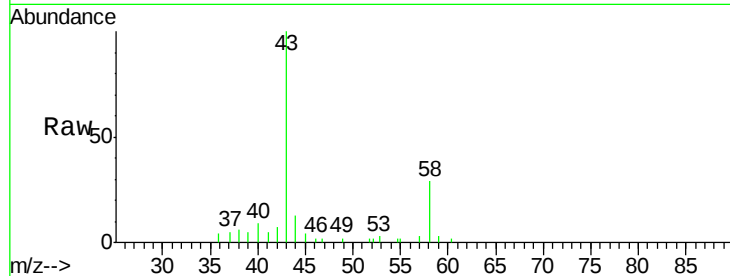
DUPDL

Tot Ion: 43 Resp: 5276

Ion Ratio Lower Upper

43 100

58 29.6 24.2 36.2



#27

cis-1,2-Dichloroethene

Concen: 34.957 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

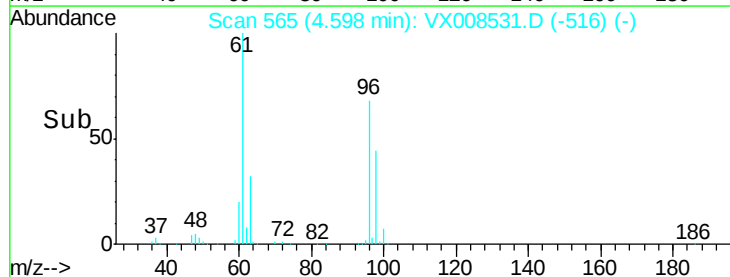
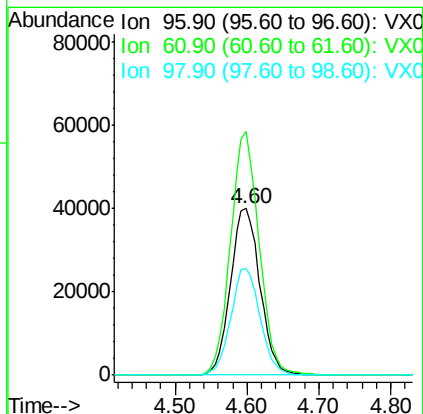
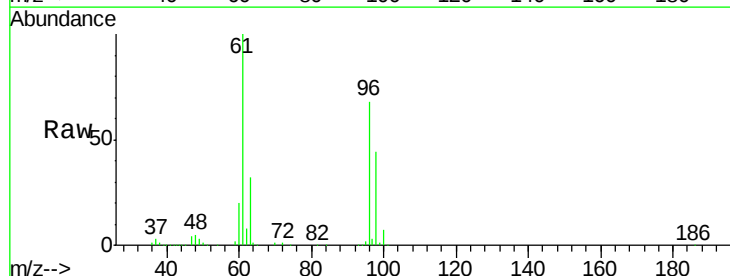
Tgt Ion: 96 Resp: 114453

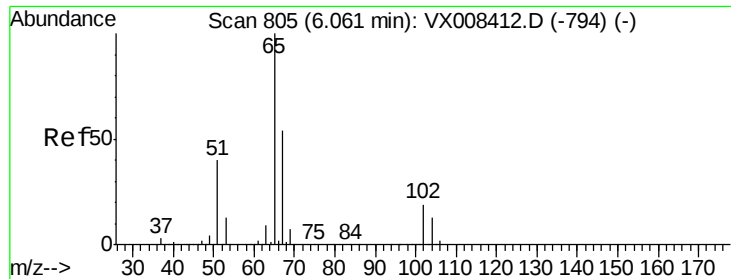
Ion Ratio Lower Upper

96 100

61 141.5 0.0 325.6

98 63.7 0.0 130.0





#33

1,2-Dichloroethane-d4

Concen: 46.416 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

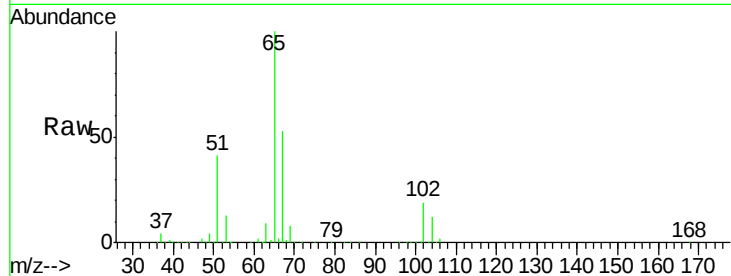
DUPDL

Tot Ion: 65 Resp: 161949

Ion Ratio Lower Upper

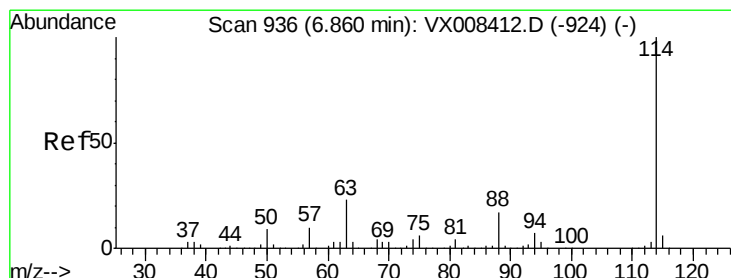
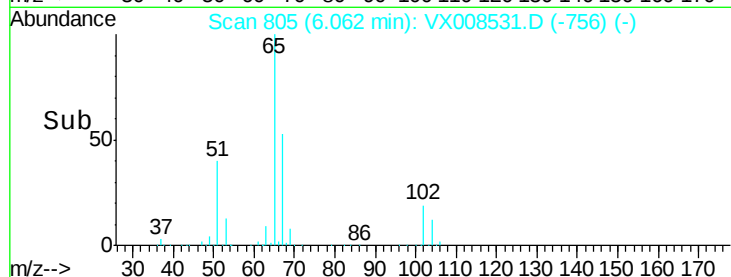
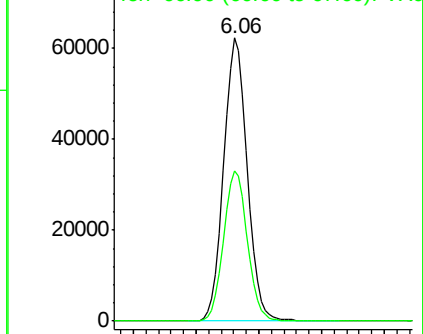
65 100

67 53.5 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: VX008531.D

Acq: 28 Mar 2019 19:42

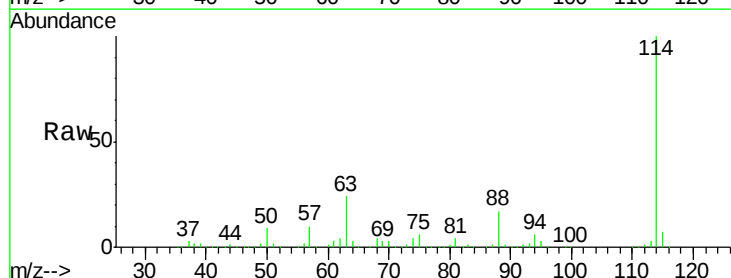
Tgt Ion: 114 Resp: 389123

Ion Ratio Lower Upper

114 100

63 23.6 0.0 46.4

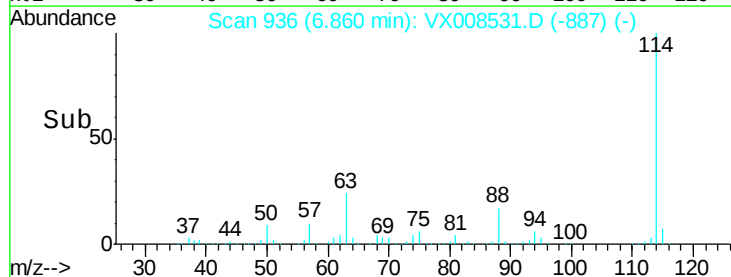
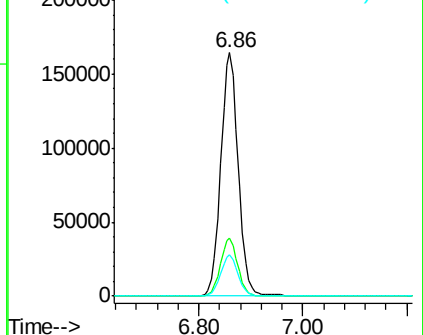
88 17.1 0.0 33.2

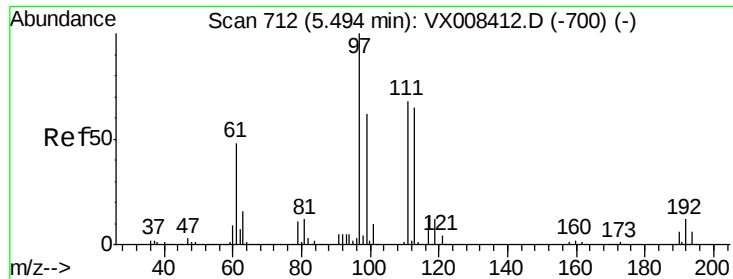


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

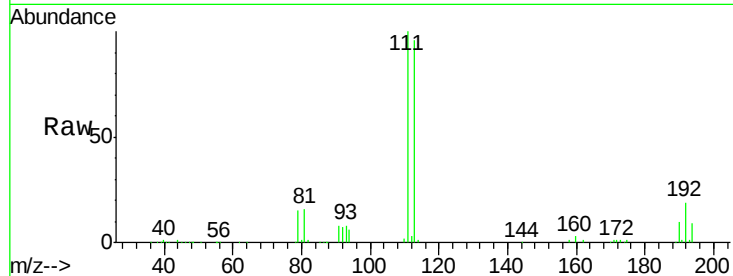




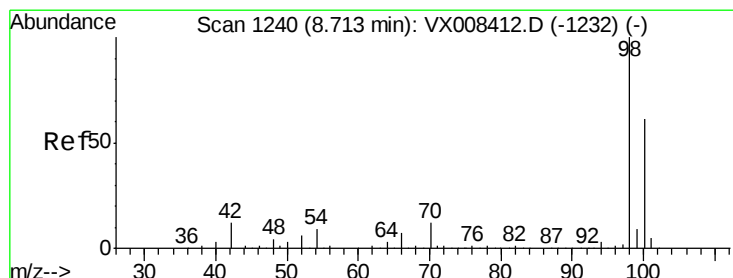
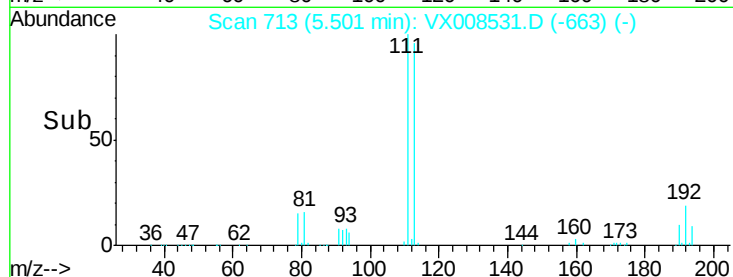
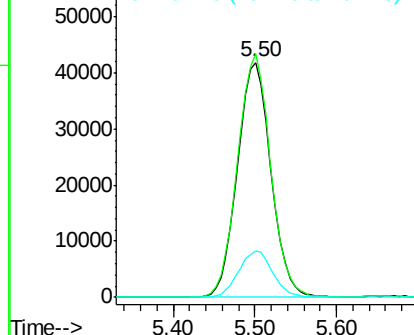
#35
 Dibromofluoromethane
 Concen: 46.913 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008531.D
 Acq: 28 Mar 2019 19:42

Instrument :
 MSVOA_X
 ClientSampled :
 DUPDL

Tot Ion:113 Resp: 119030
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.0 124.4
 192 19.9 15.6 23.4

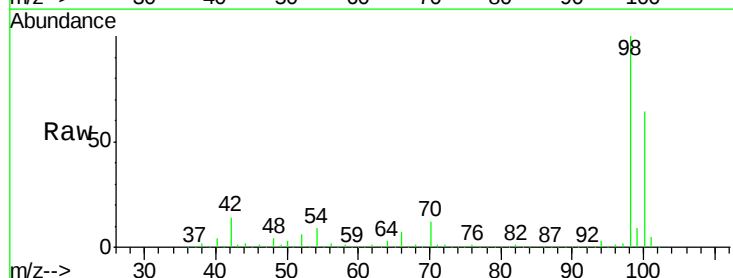


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

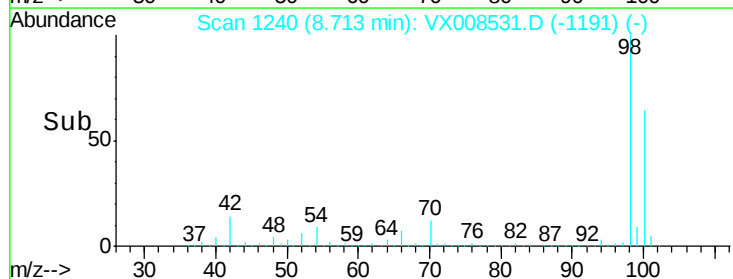
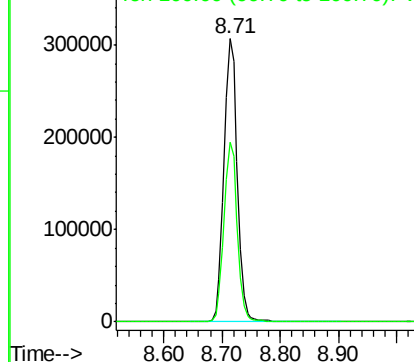


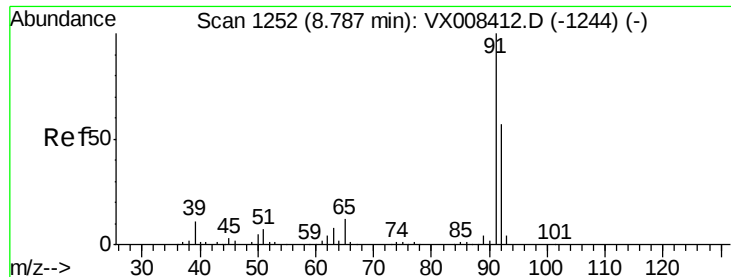
#50
 Toluene-d8
 Concen: 48.250 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX008531.D
 Acq: 28 Mar 2019 19:42

Tgt Ion: 98 Resp: 489523
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 9.638 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampled :

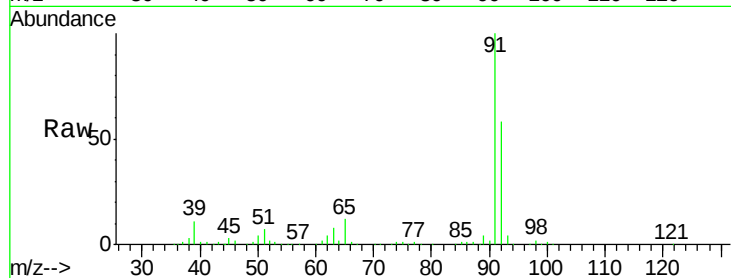
DUPDL

Tot Ion: 92 Resp: 71580

Ion Ratio Lower Upper

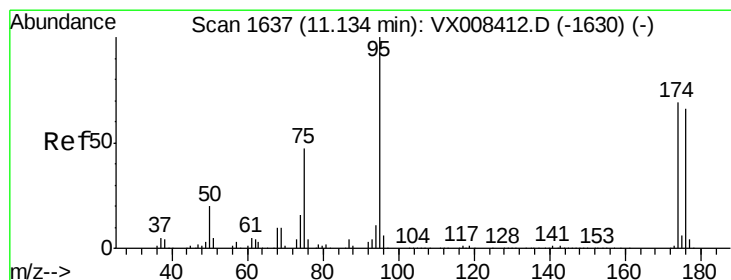
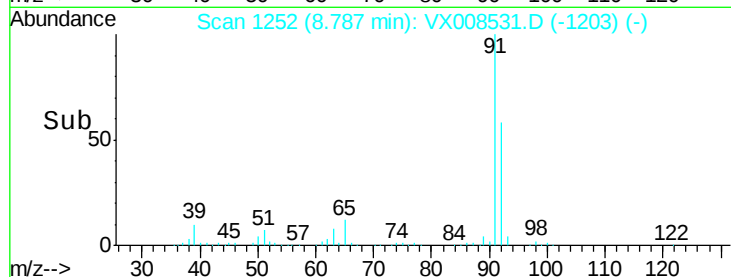
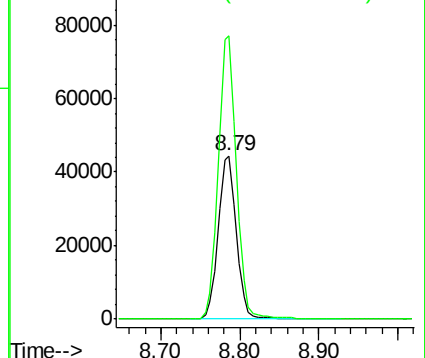
92 100

91 172.6 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 43.961 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

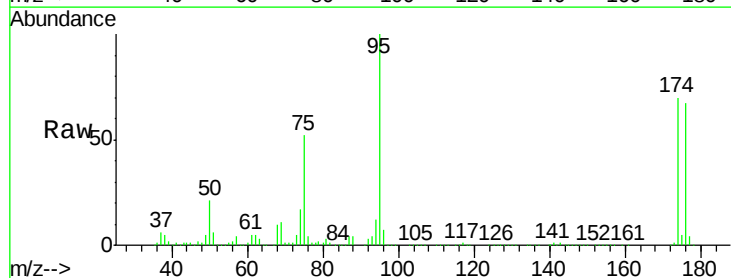
Tgt Ion: 95 Resp: 165274

Ion Ratio Lower Upper

95 100

174 74.1 0.0 147.2

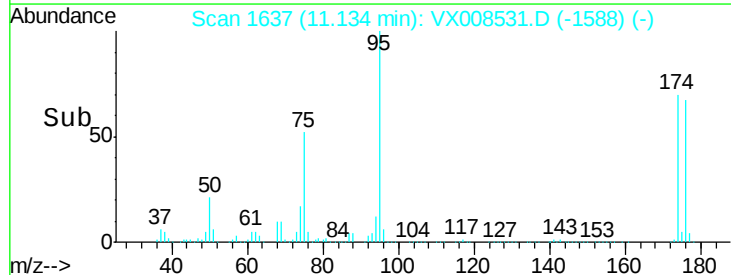
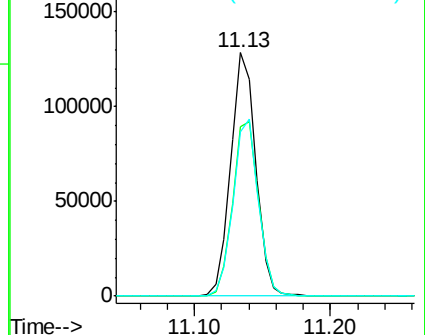
176 73.1 0.0 142.4

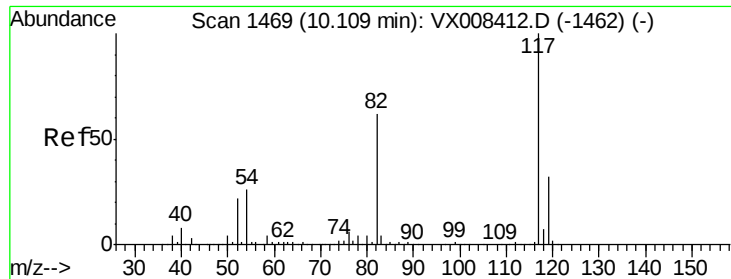


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

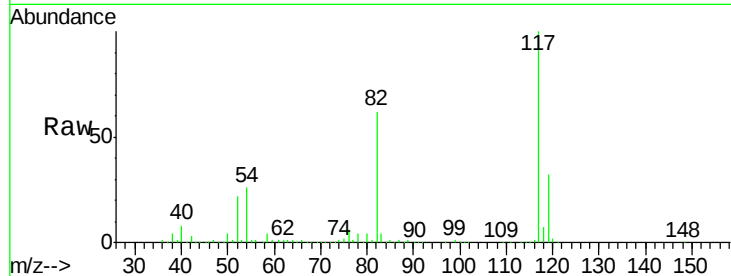




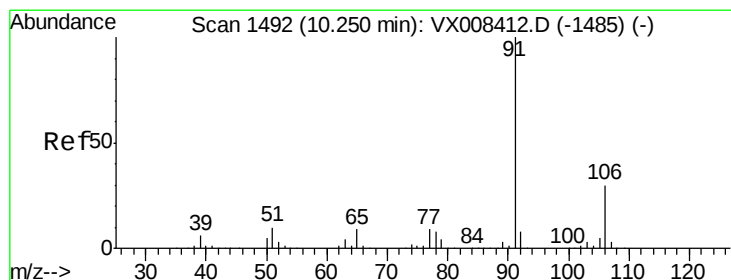
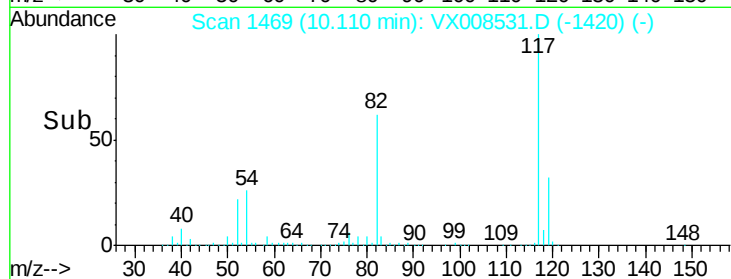
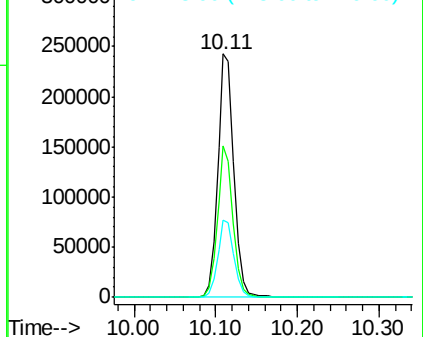
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008531.D
Acq: 28 Mar 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
DUPDL

Tot Ion:117 Resp: 335540
Ion Ratio Lower Upper
117 100
82 62.0 49.4 74.2
119 31.7 25.4 38.0

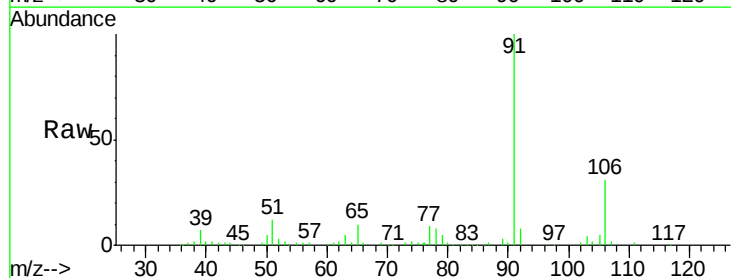


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

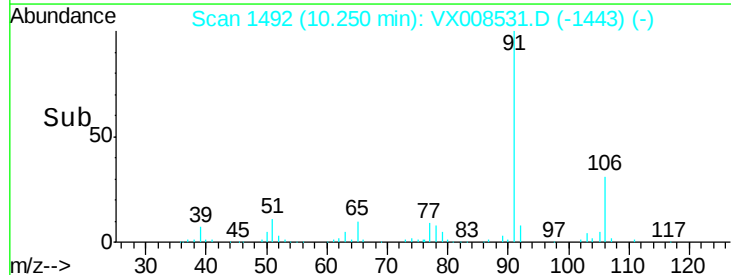
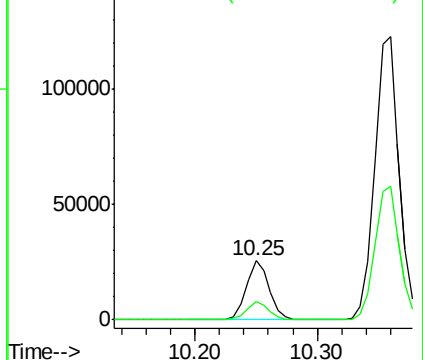


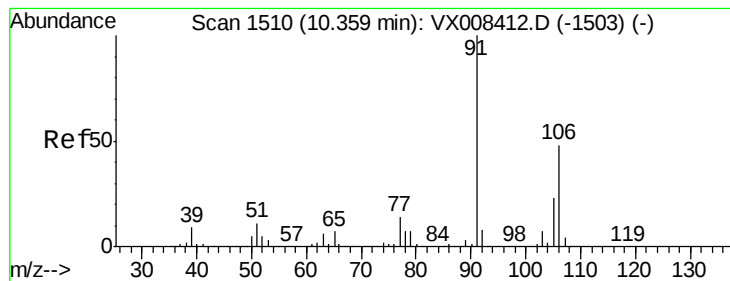
#67
Ethyl Benzene
Concen: 2.436 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008531.D
Acq: 28 Mar 2019 19:42

Tgt Ion: 91 Resp: 33547
Ion Ratio Lower Upper
91 100
106 31.1 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-Xvlenes

Concen: 16.219 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

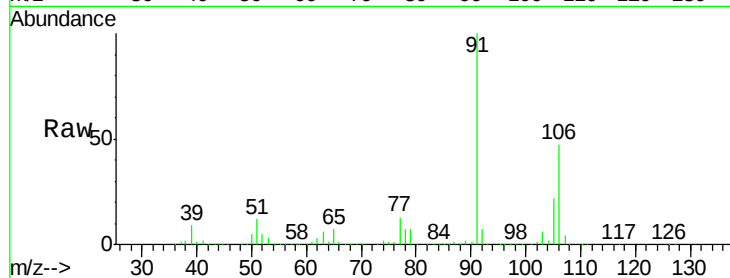
DUPDL

Tot Ion:106 Resp: 81256

Ion Ratio Lower Upper

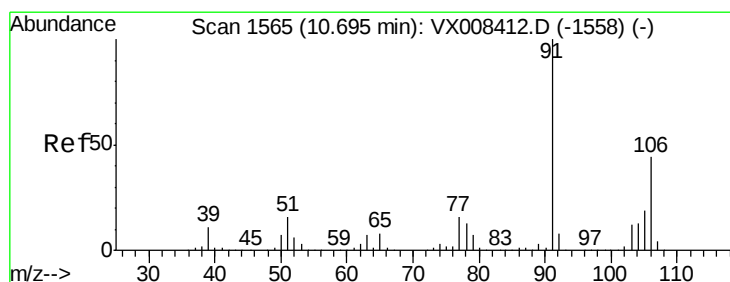
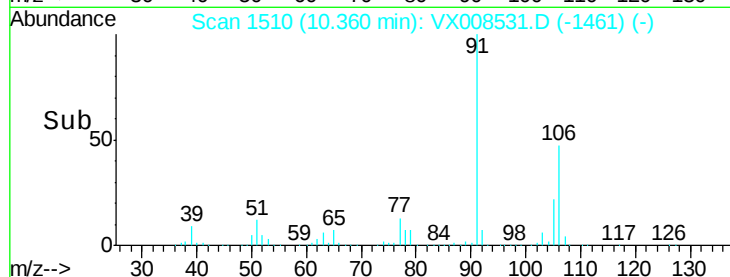
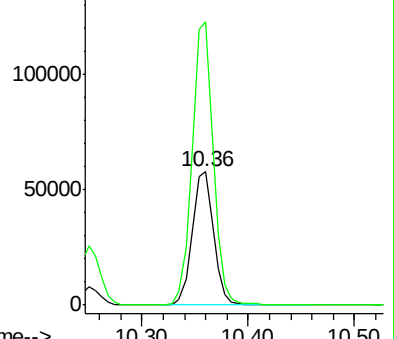
106 100

91 209.7 168.6 253.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 9.451 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX008531.D

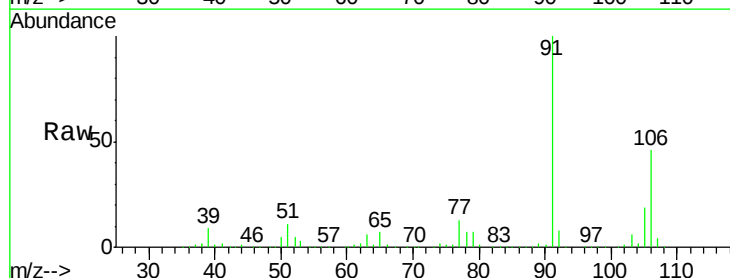
Acq: 28 Mar 2019 19:42

Tgt Ion:106 Resp: 45950

Ion Ratio Lower Upper

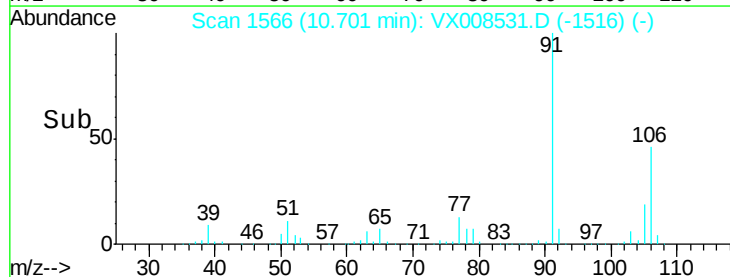
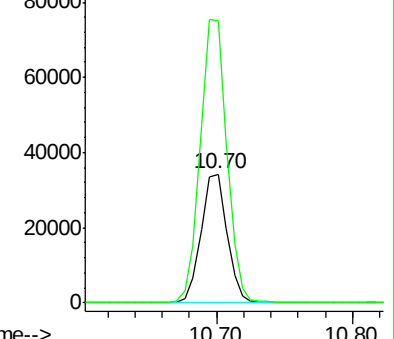
106 100

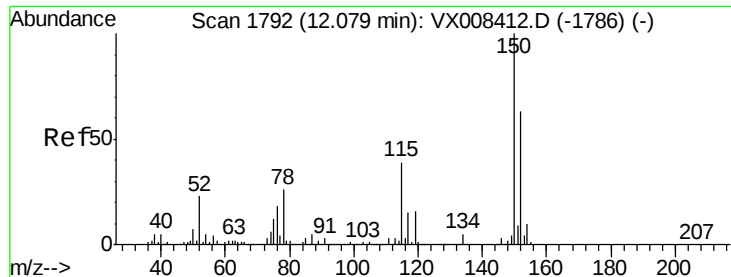
91 225.0 111.4 334.2



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: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampled :

DUPDL

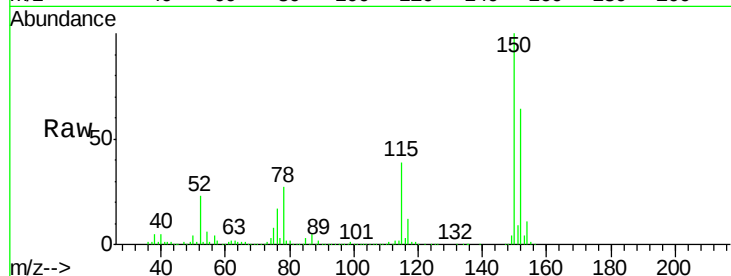
Tot Ion:152 Resp: 140434

Ion Ratio Lower Upper

152 100

115 61.2 43.5 130.5

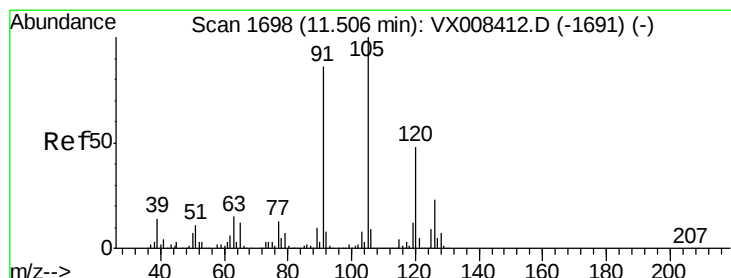
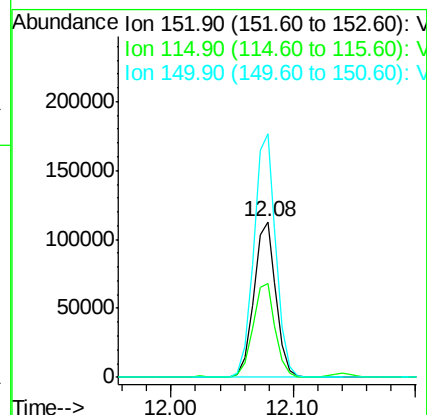
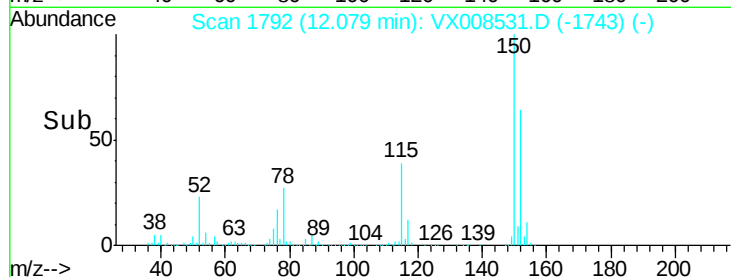
150 157.7 0.0 348.8



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



#80

1,3,5-Trimethylbenzene

Concen: 8.277 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008531.D

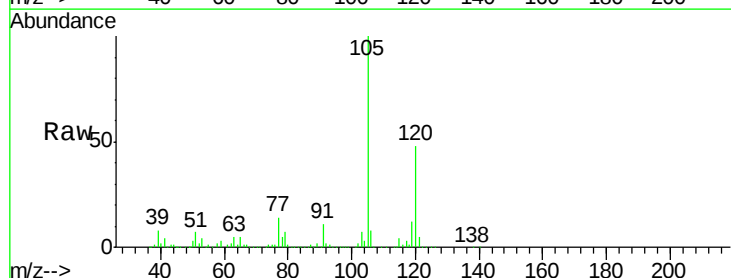
Acq: 28 Mar 2019 19:42

Tgt Ion:105 Resp: 79944

Ion Ratio Lower Upper

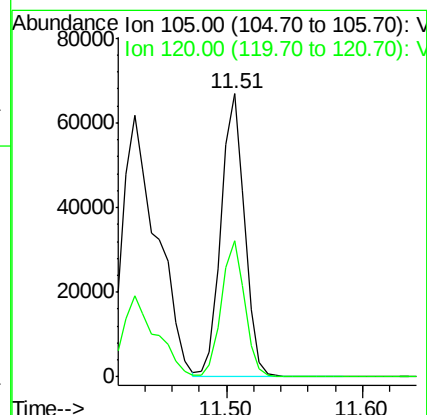
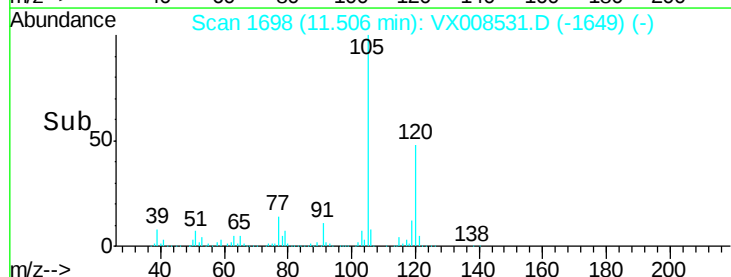
105 100

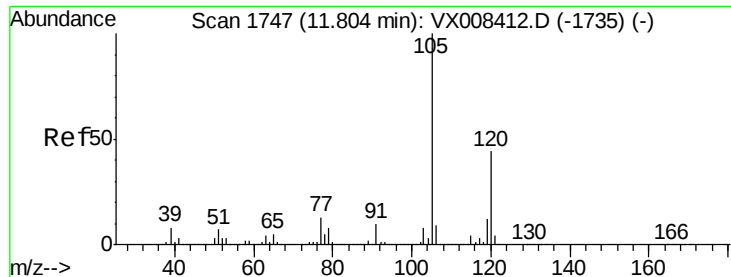
120 47.5 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 14.482 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampled :

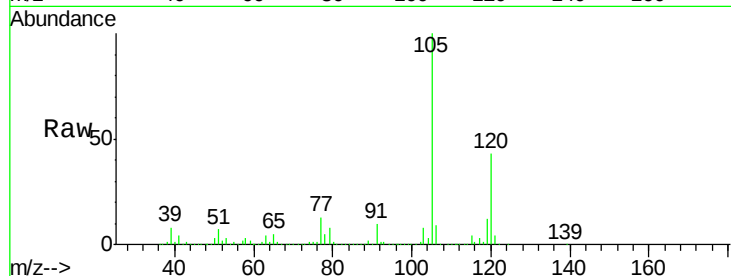
DUPDL

Tot Ion:105 Resp: 141483

Ion Ratio Lower Upper

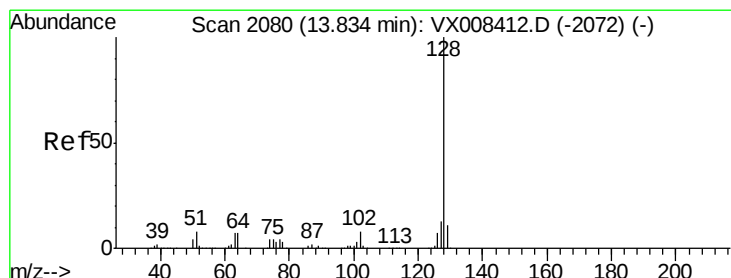
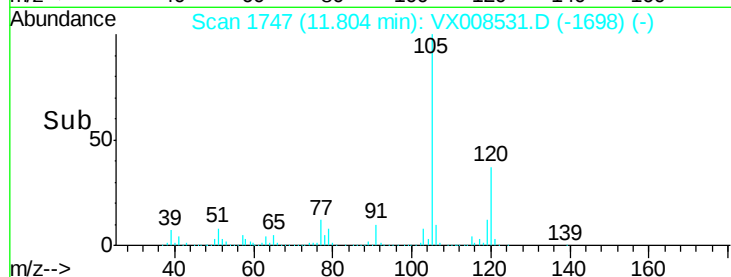
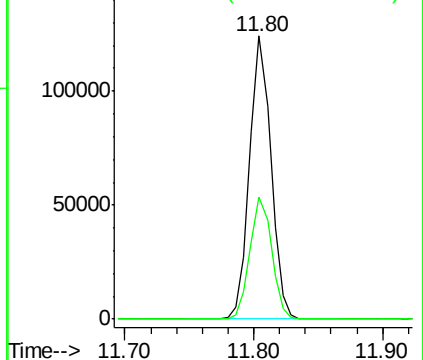
105 100

120 44.2 21.6 65.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 3.272 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

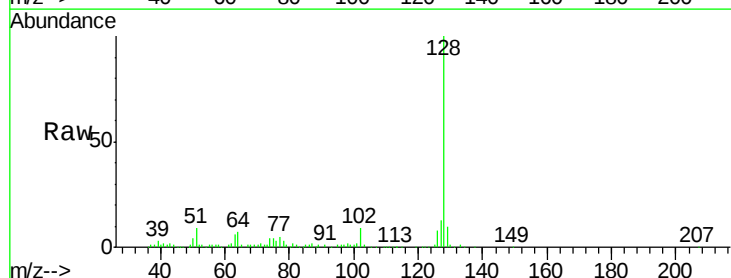
Tgt Ion:128 Resp: 37468

Ion Ratio Lower Upper

128 100

127 13.7 10.4 15.6

129 11.4 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

