

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
 Data File : VX003179.D
 Acq On : 05 Jul 2018 18:20
 Operator : JC/MD
 Sample : J3842-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S10-0150

Quant Time: Jul 06 01:16:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	264534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	368166	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	353000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	194322	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	169545	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	
35) Dibromofluoromethane	5.51	113	141486	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
50) Toluene-d8	8.72	98	513639	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
62) 4-Bromofluorobenzene	11.14	95	183581	44.71	ug/l	0.00
Spiked Amount			Recovery	=	89.42%	

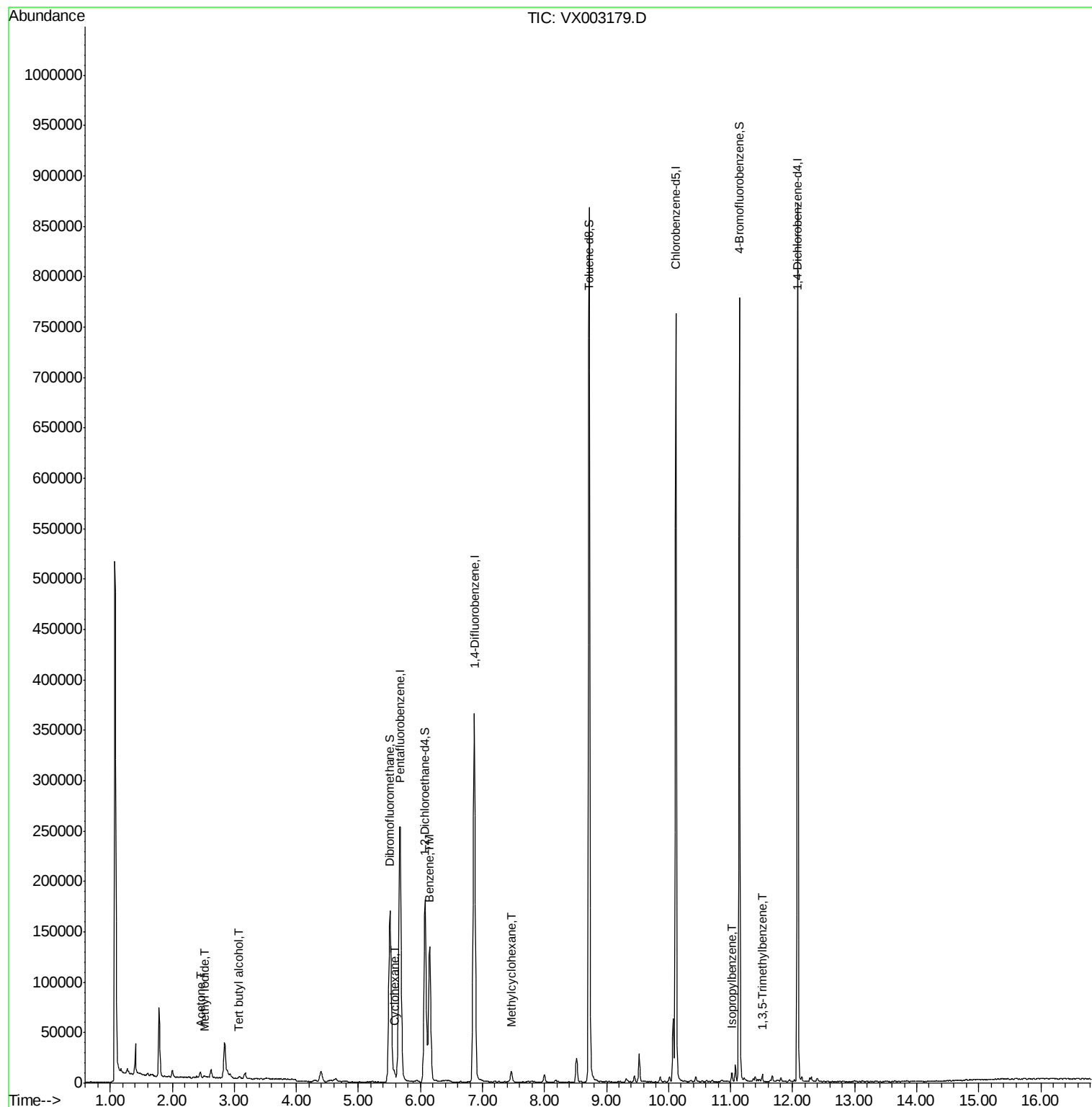
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.52	142	1876	6.78	ug/l #	93
11) Tert butyl alcohol	3.07	59	2371	3.26	ug/l #	79
16) Acetone	2.45	43	6093	4.02	ug/l	99
31) Cyclohexane	5.58	56	5899	1.29	ug/l	96
39) Methylcyclohexane	7.47	83	3894	0.83	ug/l #	83
40) Benzene	6.15	78	158599	13.52	ug/l	98
73) Isopropylbenzene	11.02	105	3872	0.30	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	2764	0.25	ug/l	97

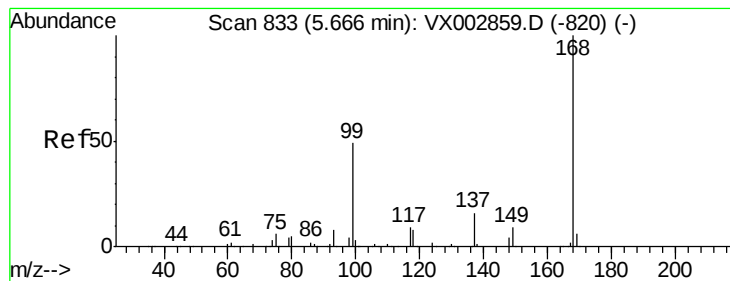
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003179.D

Acq: 05 Jul 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

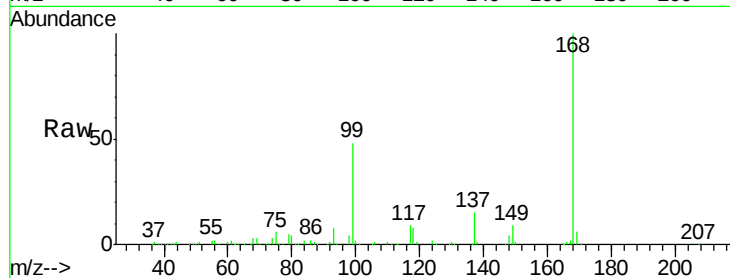
S10-0150

Tot Ion:168 Resp: 264534

Ion Ratio Lower Upper

168 100

99 48.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

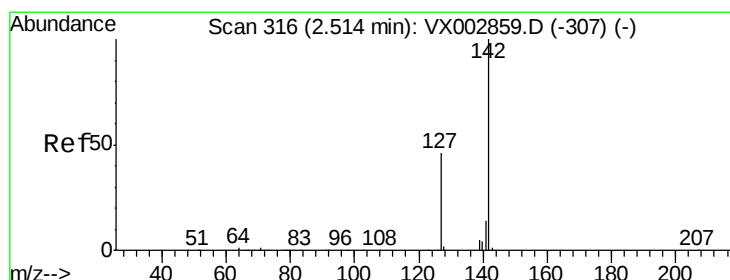
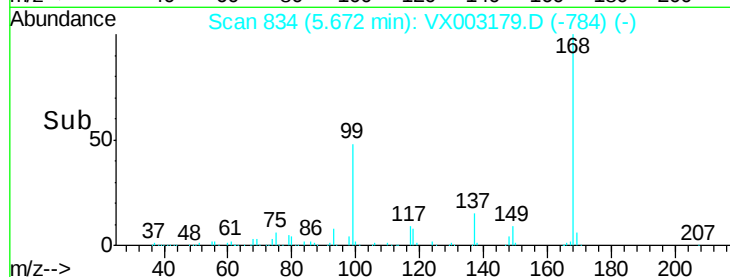
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#10

Methyl Iodide

Concen: 6.78 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003179.D

Acq: 05 Jul 2018 18:20

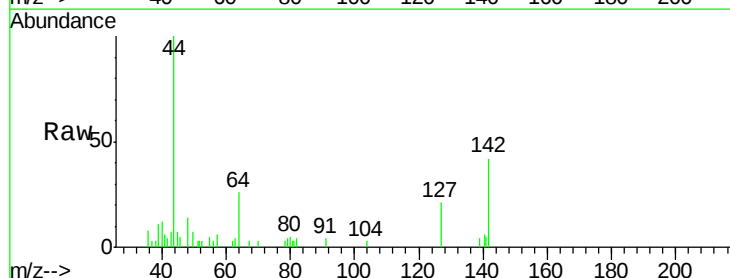
Tgt Ion:142 Resp: 1876

Ion Ratio Lower Upper

142 100

127 49.4 36.6 55.0

141 19.6 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

2.52

1000

800

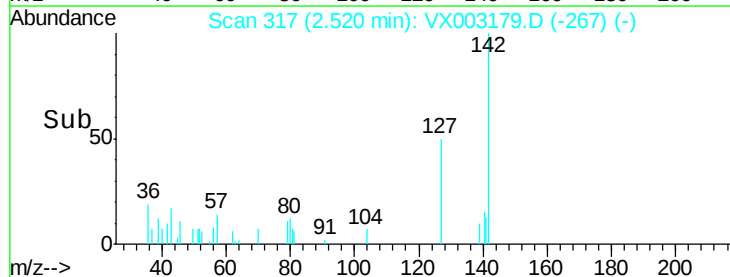
600

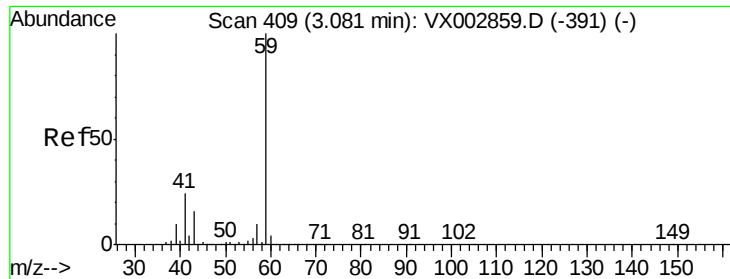
400

200

0

Time--> 2.45 2.50 2.55 2.60

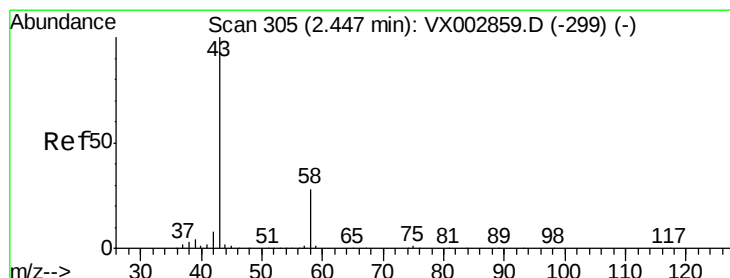
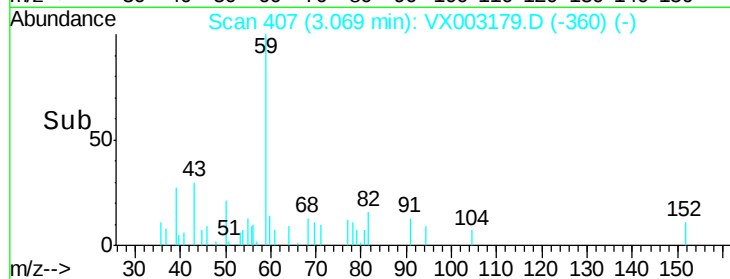
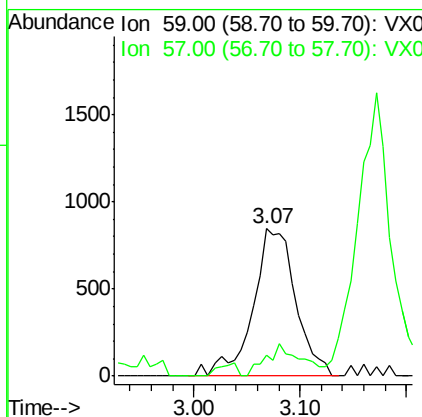
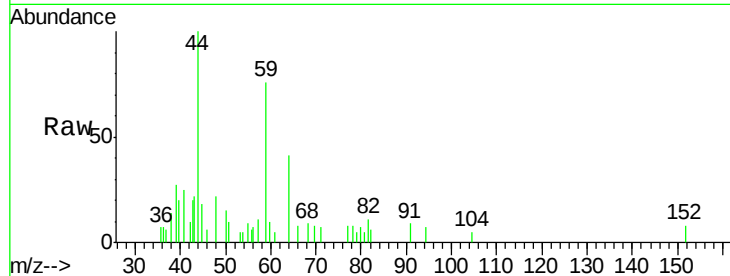




#11
Tert butyl alcohol
Concen: 3.26 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003179.D
Acq: 05 Jul 2018 18:20

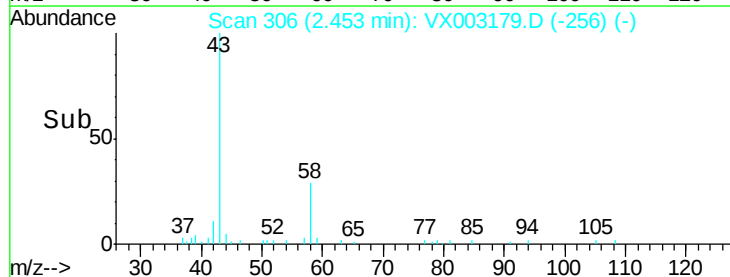
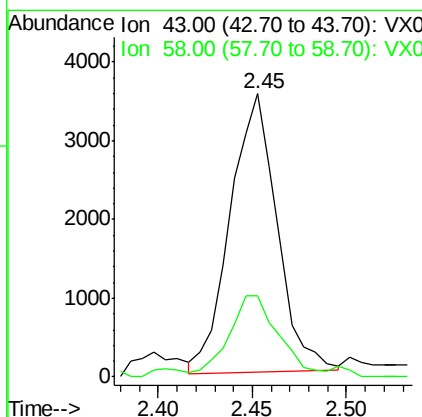
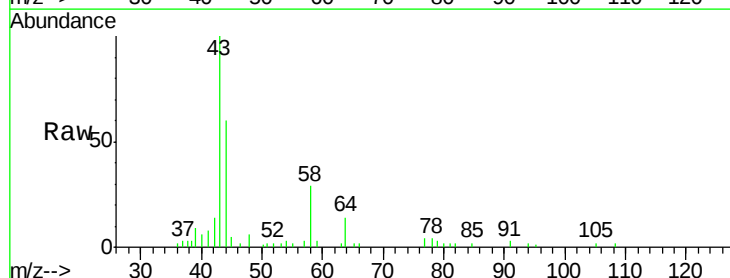
Instrument :
MSVOA_X
ClientSampled :
S10-0150

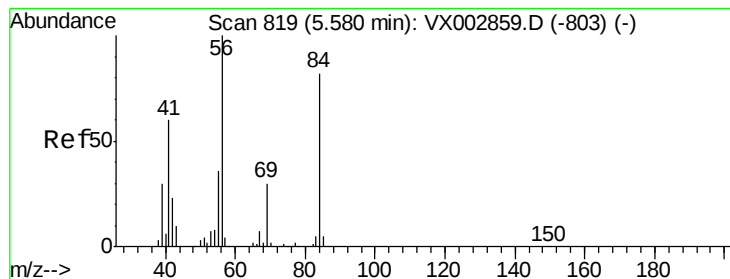
Tot Ion: 59 Resp: 2371
Ion Ratio Lower Upper
59 100
57 18.1 8.2 12.2#



#16
Acetone
Concen: 4.02 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.01 min
Lab File: VX003179.D
Acq: 05 Jul 2018 18:20

Tgt Ion: 43 Resp: 6093
Ion Ratio Lower Upper
43 100
58 28.3 22.1 33.1





#31

Cyclohexane

Concen: 1.29 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX003179.D

Acq: 05 Jul 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

S10-0150

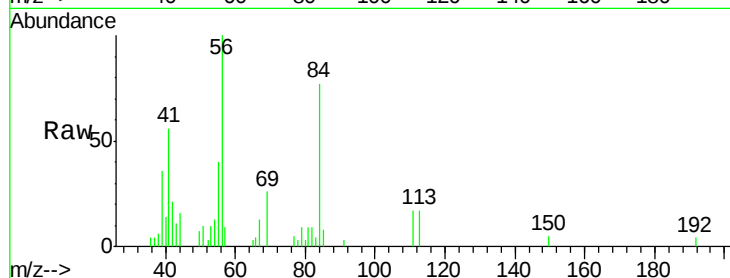
Tot Ion: 56 Resp: 5899

Ion Ratio Lower Upper

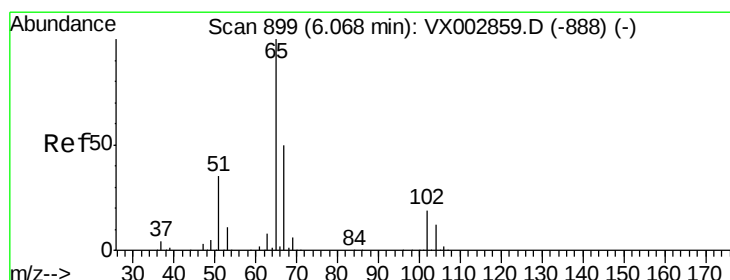
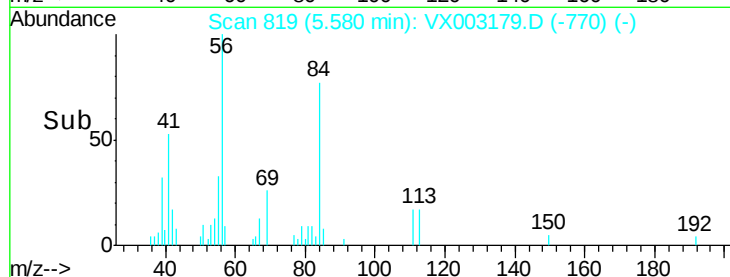
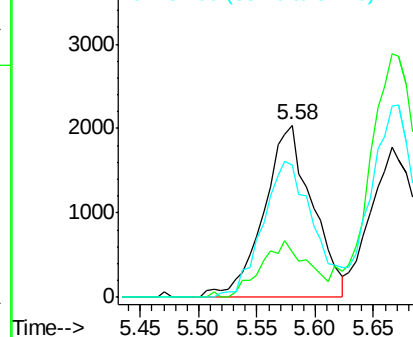
56 100

69 26.5 23.7 35.5

84 76.9 64.1 96.1



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: 46.37 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003179.D

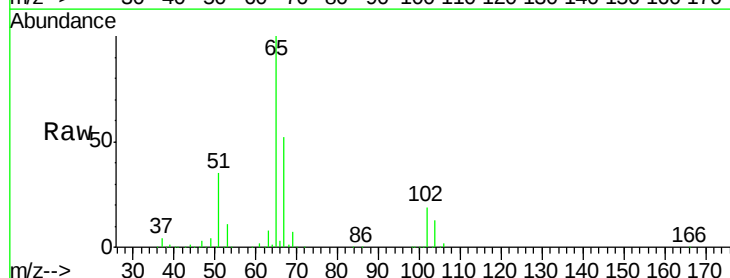
Acq: 05 Jul 2018 18:20

Tgt Ion: 65 Resp: 169545

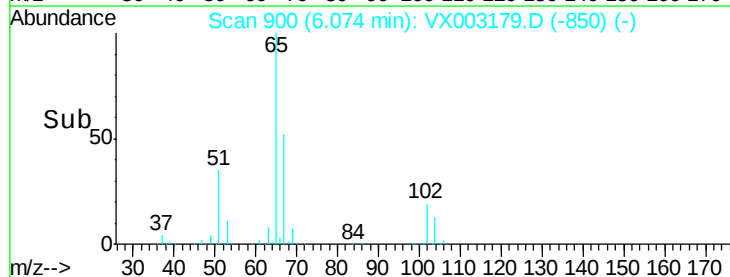
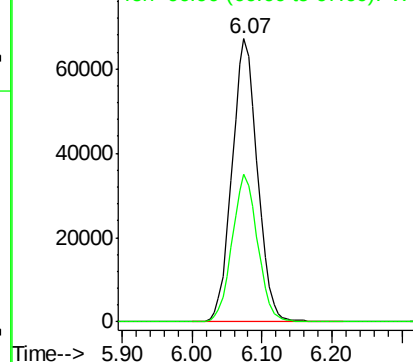
Ion Ratio Lower Upper

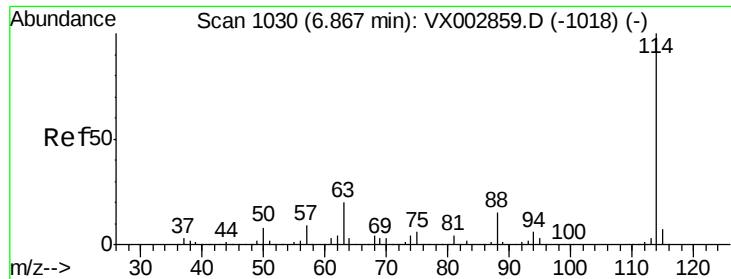
65 100

67 52.0 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

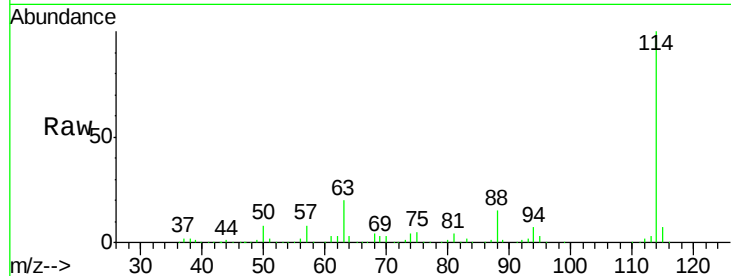




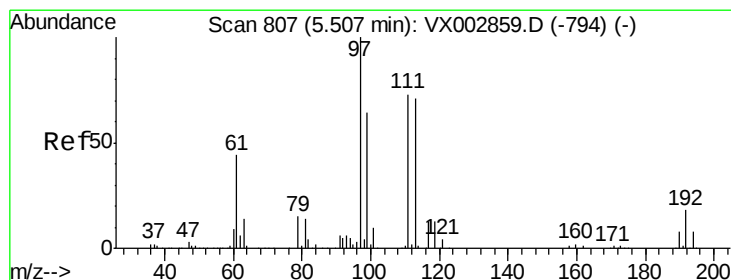
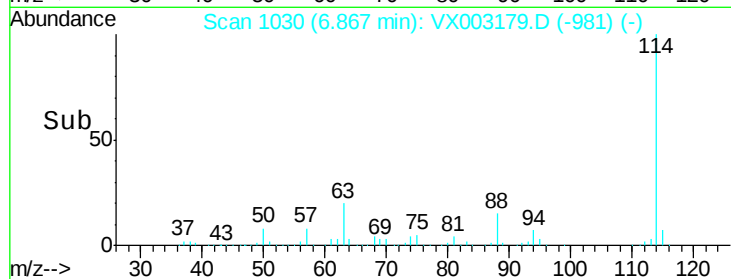
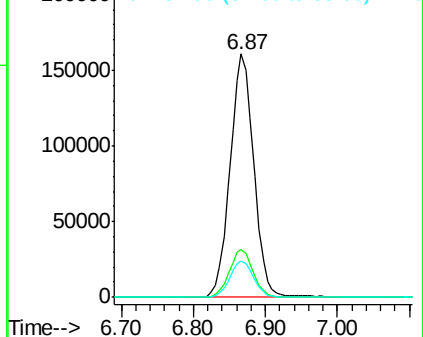
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003179.D
 Acq: 05 Jul 2018 18:20

Instrument :
 MSVOA_X
 ClientSampleId :
 S10-0150

Tot Ion:114 Resp: 368166
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.4
 88 14.9 0.0 30.0

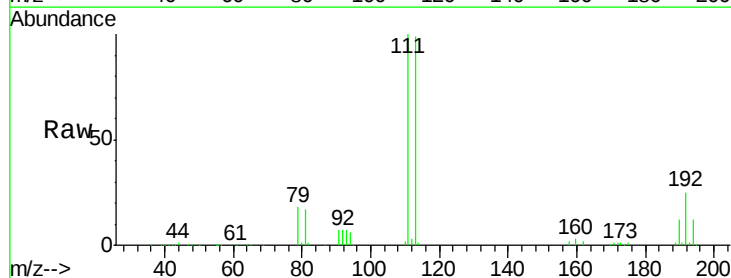


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

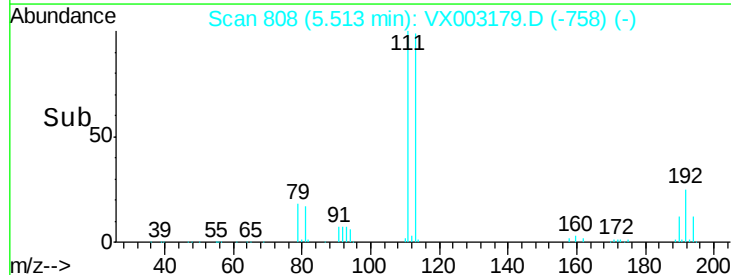
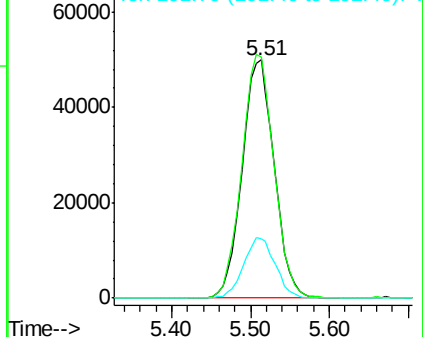


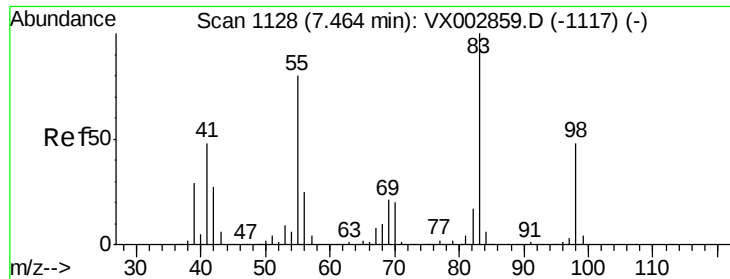
#35
 Dibromofluoromethane
 Concen: 48.53 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX003179.D
 Acq: 05 Jul 2018 18:20

Tgt Ion:113 Resp: 141486
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.4 122.0
 192 25.1 19.1 28.7



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

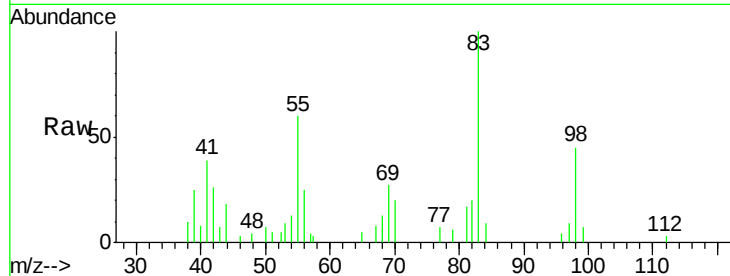




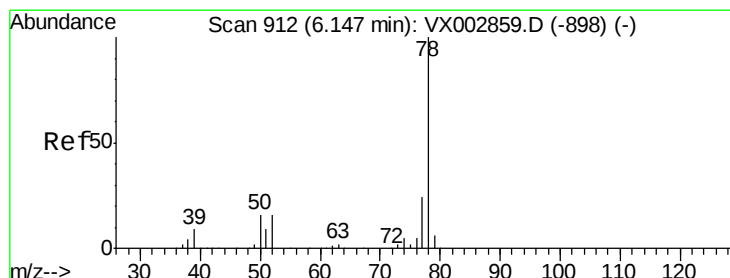
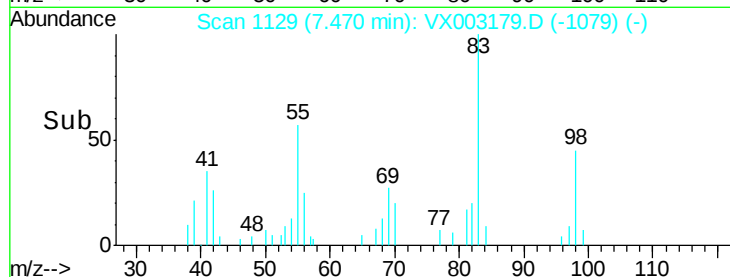
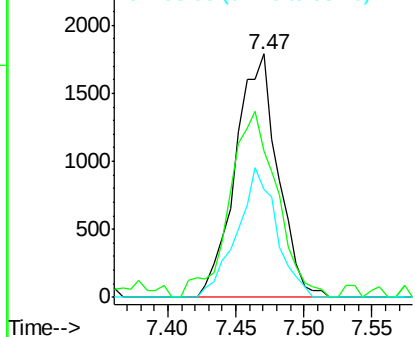
#39
Methvlcvclohexane
Concen: 0.83 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX003179.D
Acq: 05 Jul 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
S10-0150

Tot Ion: 83 Resp: 3894
Ion Ratio Lower Upper
83 100
55 59.9 65.4 98.0#
98 44.6 37.4 56.0

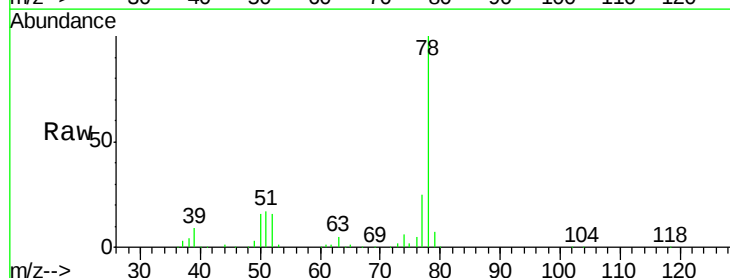


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

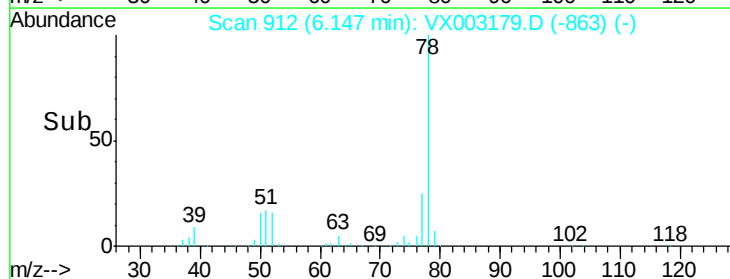
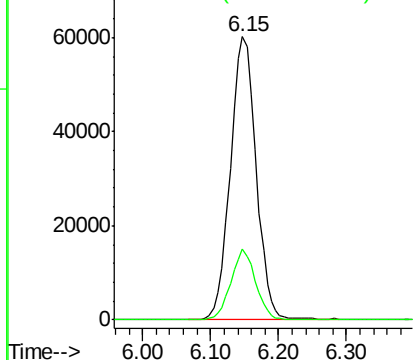


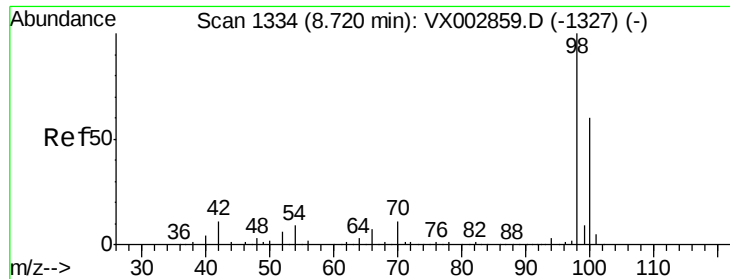
#40
Benzene
Concen: 13.52 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003179.D
Acq: 05 Jul 2018 18:20

Tgt Ion: 78 Resp: 158599
Ion Ratio Lower Upper
78 100
77 24.9 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 48.24 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003179.D

Acq: 05 Jul 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

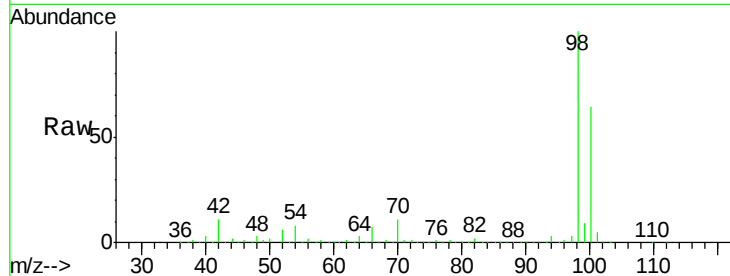
S10-0150

Tot Ion: 98 Resp: 513639

Ion Ratio Lower Upper

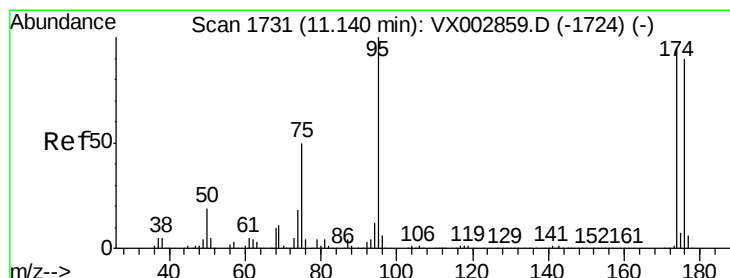
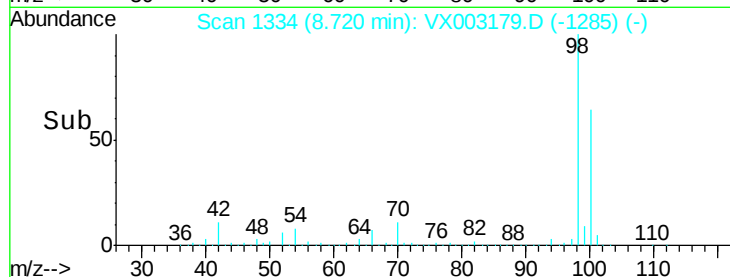
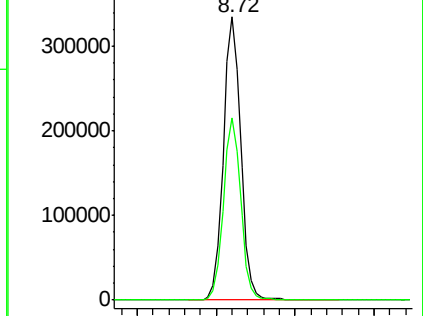
98 100

100 64.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 44.71 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003179.D

Acq: 05 Jul 2018 18:20

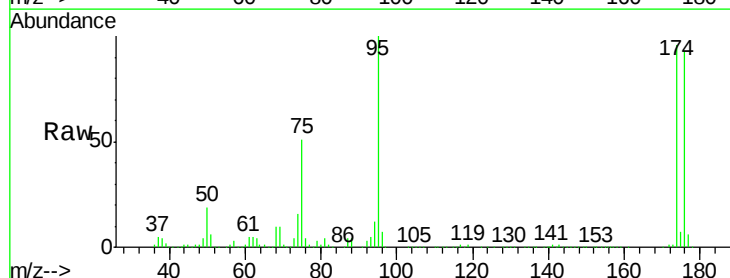
Tgt Ion: 95 Resp: 183581

Ion Ratio Lower Upper

95 100

174 99.6 0.0 187.4

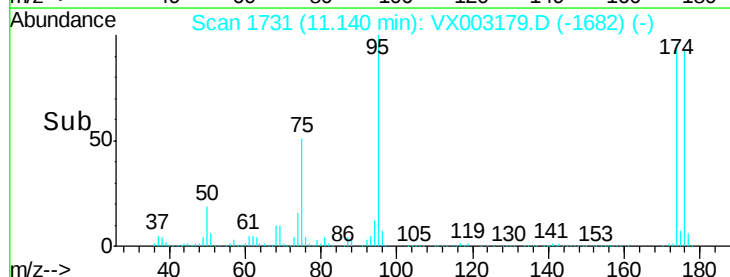
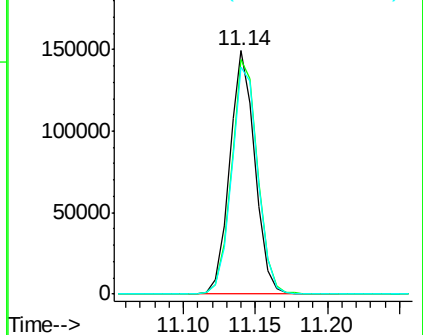
176 96.7 0.0 181.0

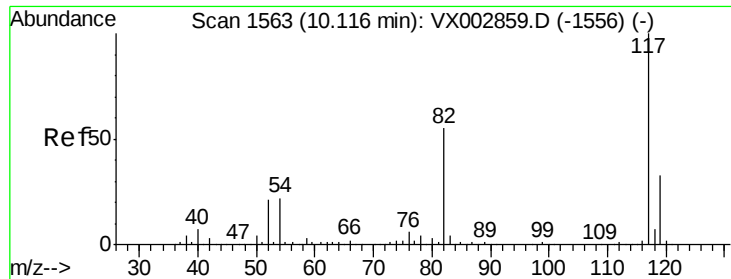


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

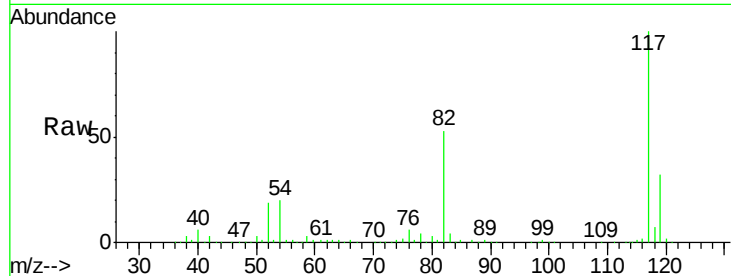




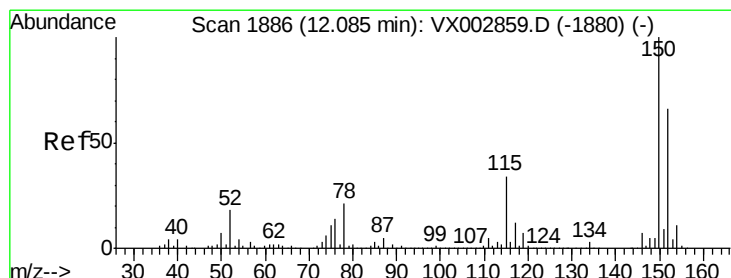
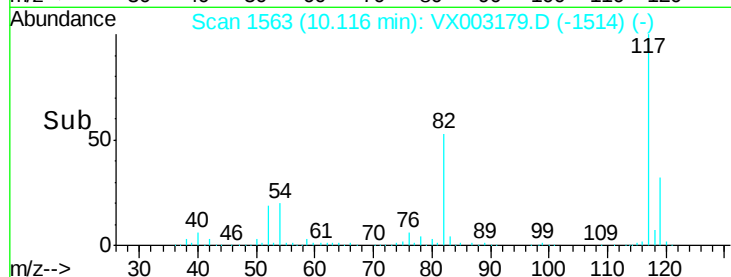
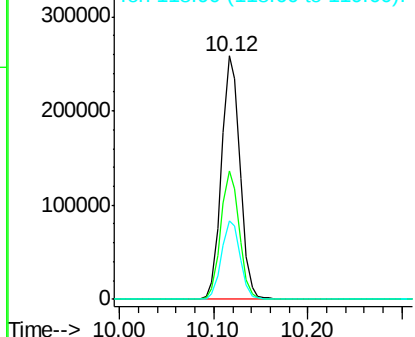
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003179.D
Acq: 05 Jul 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
S10-0150

Tot Ion:117 Resp: 353000
Ion Ratio Lower Upper
117 100
82 52.8 45.0 67.4
119 32.3 25.8 38.6

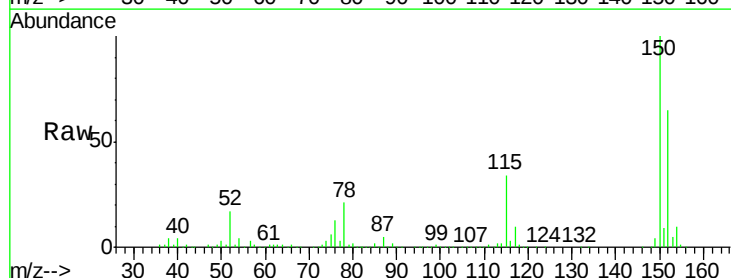


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

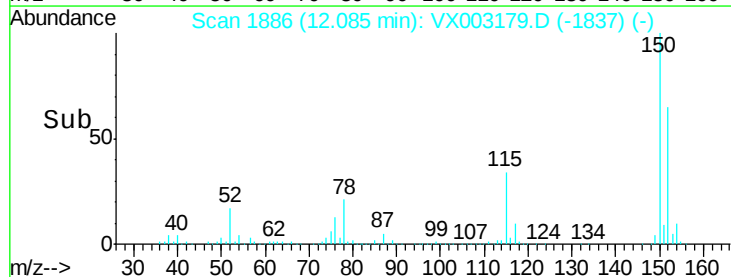
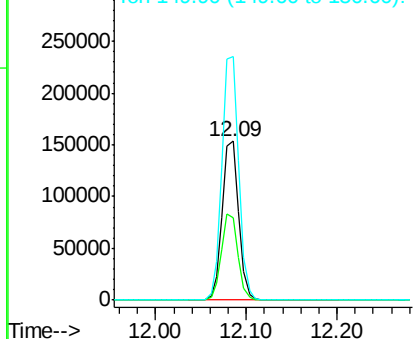


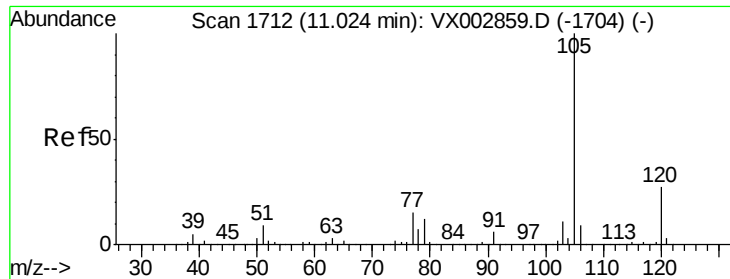
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX003179.D
Acq: 05 Jul 2018 18:20

Tgt Ion:152 Resp: 194322
Ion Ratio Lower Upper
152 100
115 53.9 40.1 120.2
150 155.9 0.0 347.2



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: 0.30 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003179.D

Acq: 05 Jul 2018 18:20

Instrument :

MSVOA_X

ClientSampled :

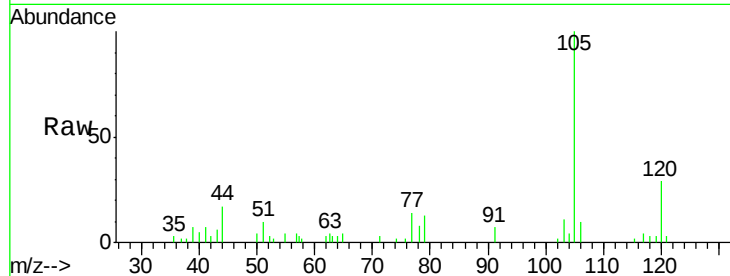
S10-0150

Tot Ion:105 Resp: 3872

Ion Ratio Lower Upper

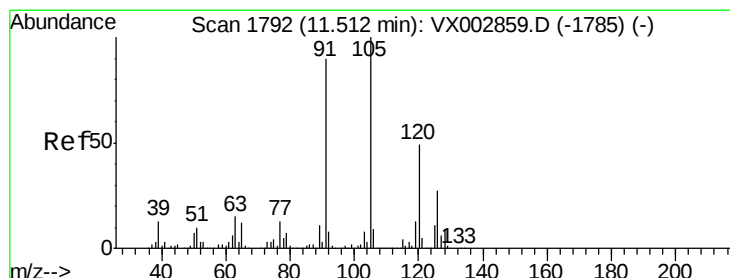
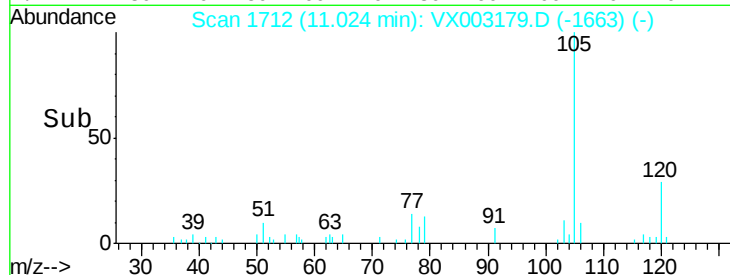
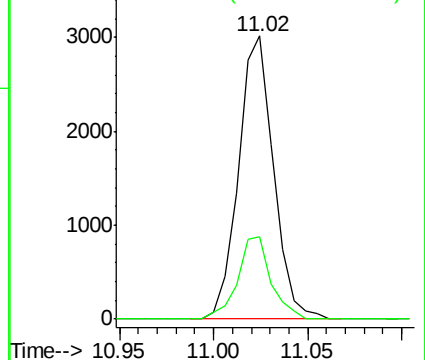
105 100

120 27.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 0.25 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003179.D

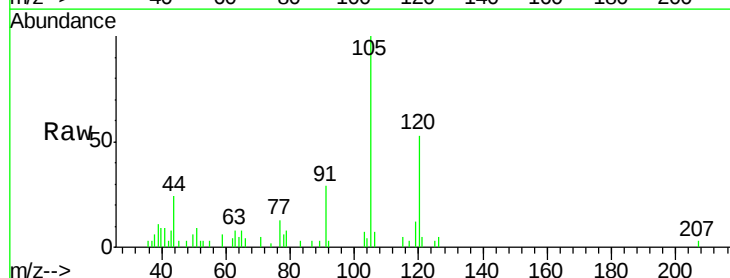
Acq: 05 Jul 2018 18:20

Tgt Ion:105 Resp: 2764

Ion Ratio Lower Upper

105 100

120 51.2 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

