

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003082.D
 Acq On : 30 Jun 2018 16:43
 Operator : JC/MD
 Sample : J3716-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0043

Quant Time: Jul 02 03:44:40 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	265850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	373784	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	347075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196617	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	174618	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
35) Dibromofluoromethane	5.51	113	143854	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
50) Toluene-d8	8.72	98	522431	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
62) 4-Bromofluorobenzene	11.14	95	186029	44.63	ug/l	0.00
Spiked Amount			Recovery	=	89.26%	

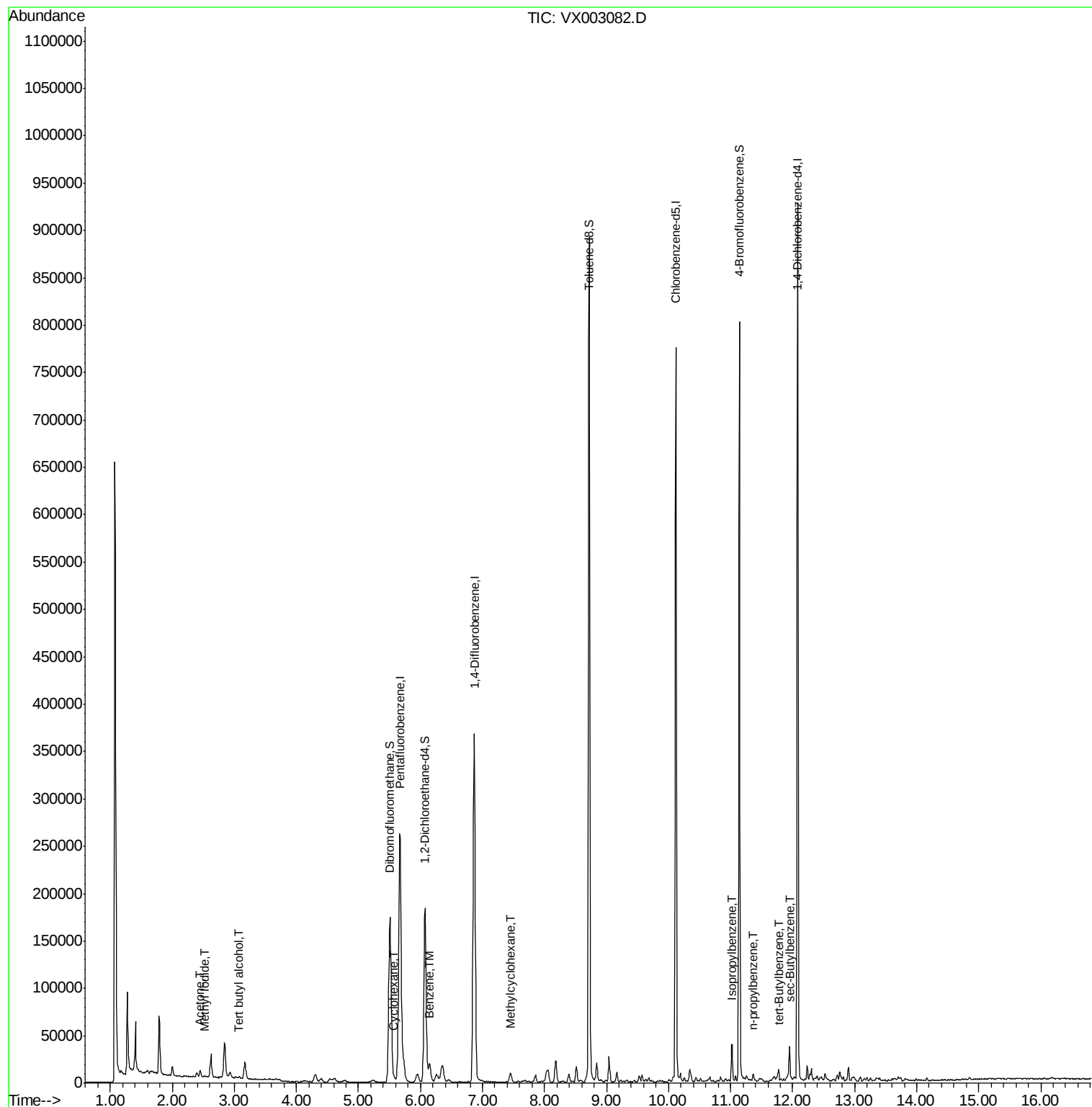
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	1915	6.79	ug/l	98
11) Tert butyl alcohol	3.07	59	2185	2.98	ug/l #	66
16) Acetone	2.45	43	7891	5.19	ug/l	96
31) Cyclohexane	5.57	56	2704	0.59	ug/l	95
39) Methylcyclohexane	7.45	83	2199	0.46	ug/l #	47
40) Benzene	6.15	78	21893	1.84	ug/l	100
73) Isopropylbenzene	11.02	105	19835	1.50	ug/l	96
78) n-propylbenzene	11.37	91	4102	0.27	ug/l	95
83) tert-Butylbenzene	11.77	119	3856	0.35	ug/l	89
85) sec-Butylbenzene	11.95	105	15317	1.15	ug/l	91

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003082.D

Acq: 30 Jun 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

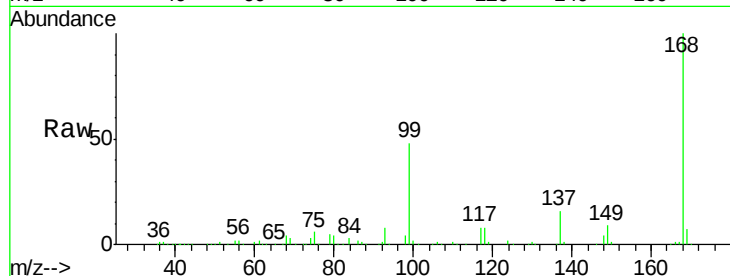
S22-0043

Tot Ion:168 Resp: 265850

Ion Ratio Lower Upper

168 100

99 48.2 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

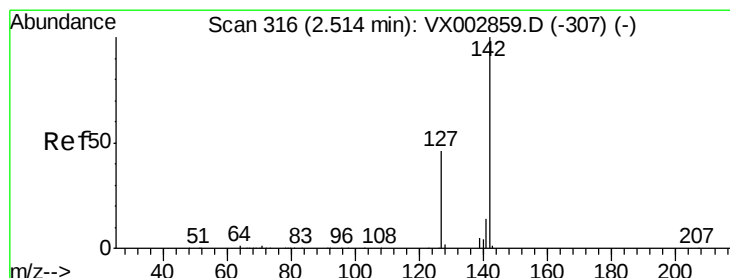
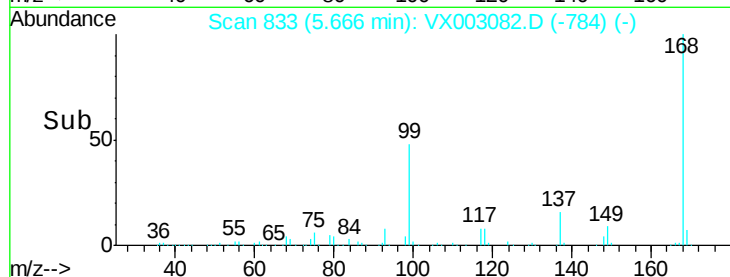
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 6.79 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX003082.D

Acq: 30 Jun 2018 16:43

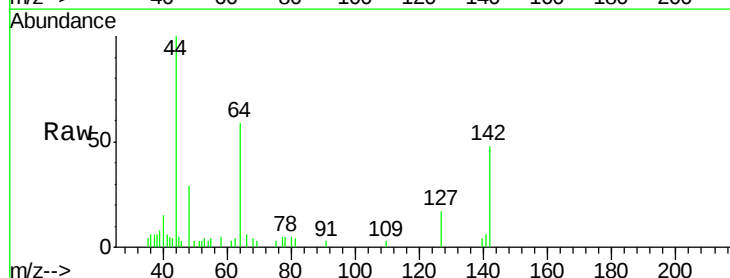
Tgt Ion:142 Resp: 1915

Ion Ratio Lower Upper

142 100

127 44.2 36.6 55.0

141 15.0 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

1200

1000

800

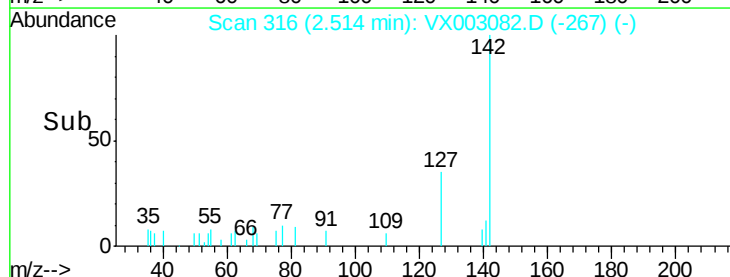
600

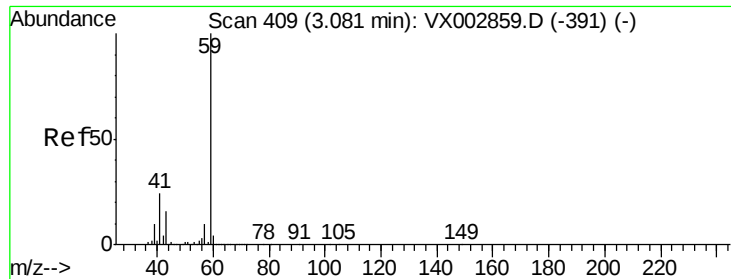
400

200

0

Time--> 2.45 2.50 2.55 2.60



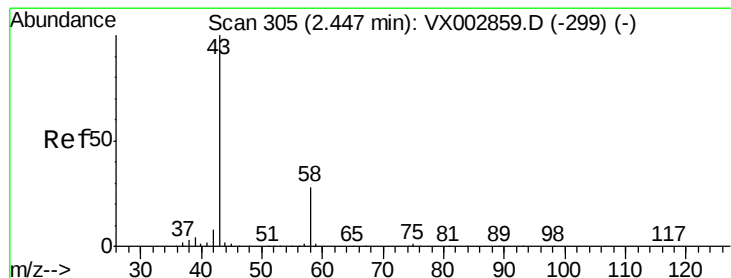
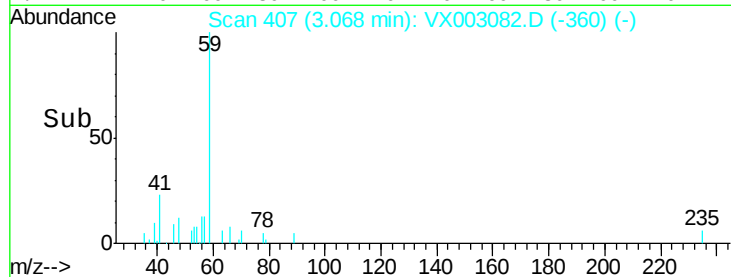
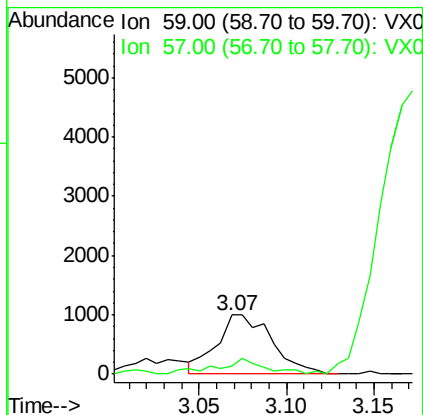
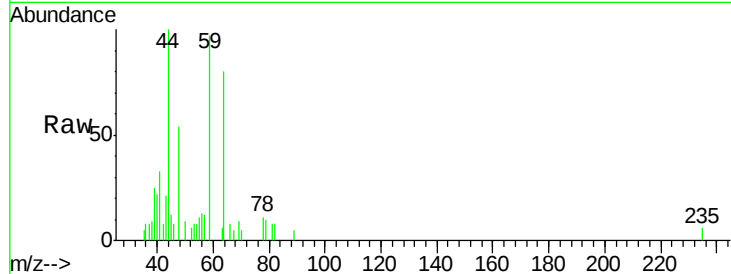


#11

Tert butyl alcohol
 Concen: 2.98 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX003082.D
 Acq: 30 Jun 2018 16:43

Instrument :
 MSVOA_X
 ClientSampled :
 S22-0043

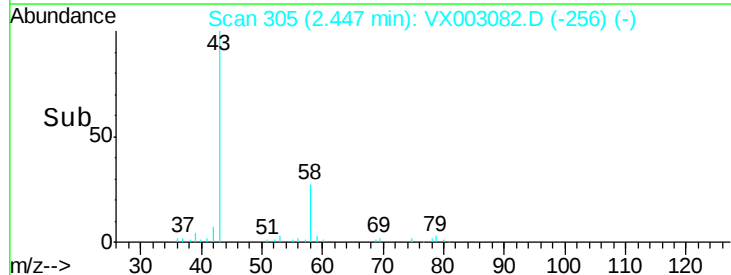
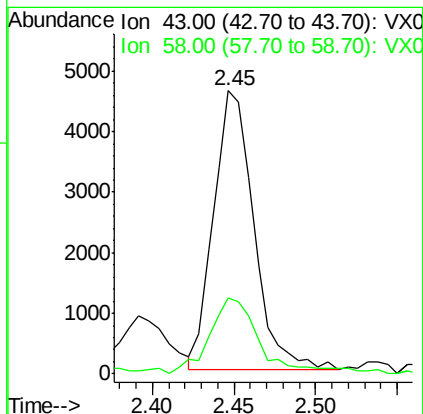
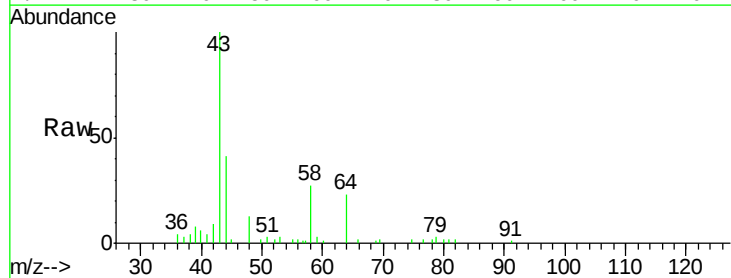
Tot Ion: 59 Resp: 2185
 Ion Ratio Lower Upper
 59 100
 57 22.9 8.2 12.2#

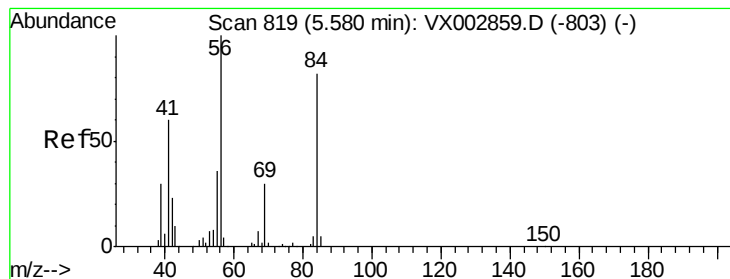


#16

Acetone
 Concen: 5.19 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. 0.00 min
 Lab File: VX003082.D
 Acq: 30 Jun 2018 16:43

Tgt Ion: 43 Resp: 7891
 Ion Ratio Lower Upper
 43 100
 58 25.3 22.1 33.1





#31

Cyclohexane

Concen: 0.59 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003082.D

Acq: 30 Jun 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

S22-0043

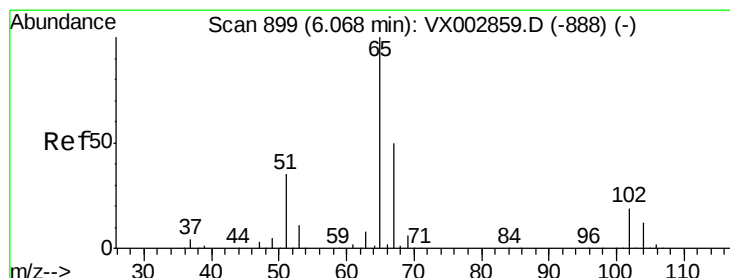
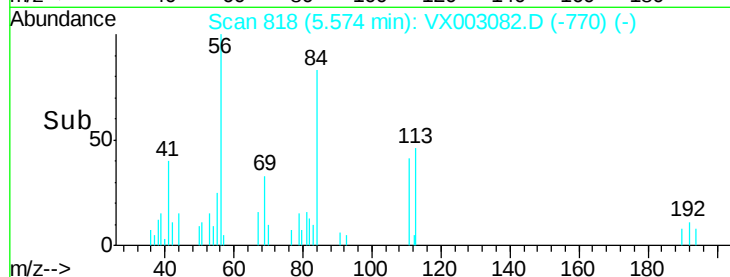
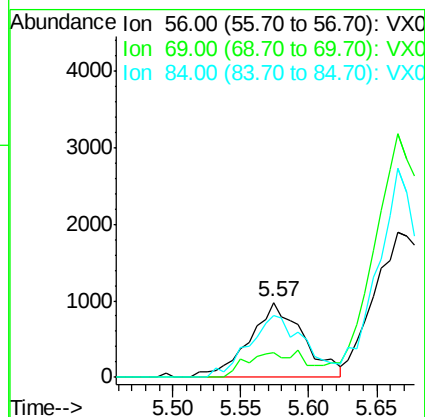
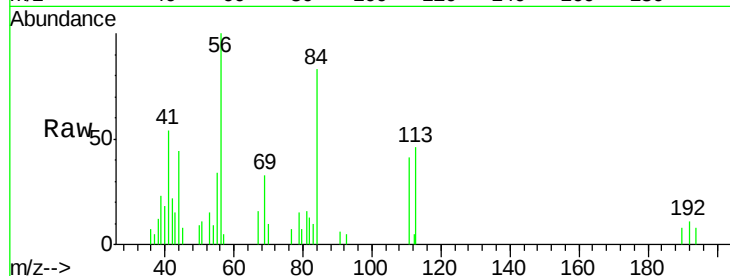
Tot Ion: 56 Resp: 2704

Ion Ratio Lower Upper

56 100

69 33.4 23.7 35.5

84 83.3 64.1 96.1



#33

1,2-Dichloroethane-d4

Concen: 47.52 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003082.D

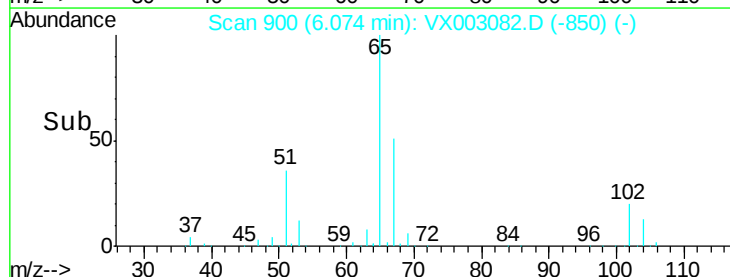
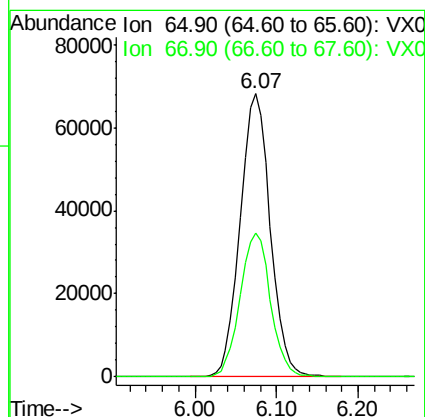
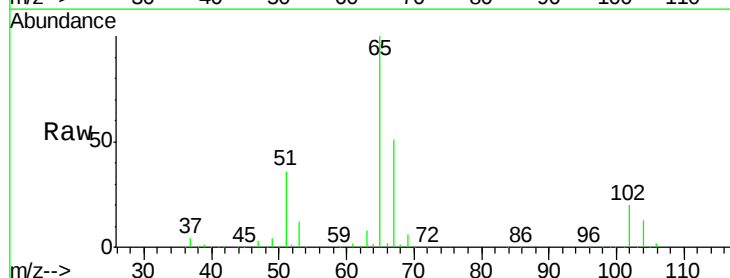
Acq: 30 Jun 2018 16:43

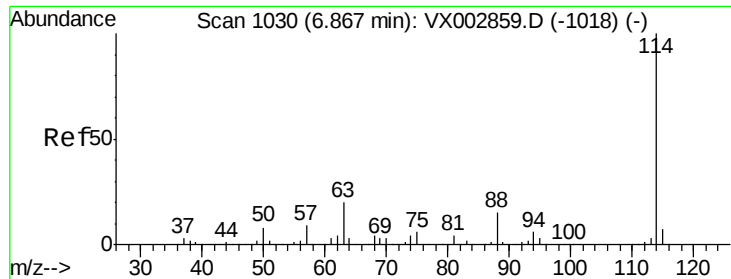
Tgt Ion: 65 Resp: 174618

Ion Ratio Lower Upper

65 100

67 51.7 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003082.D

Acq: 30 Jun 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

S22-0043

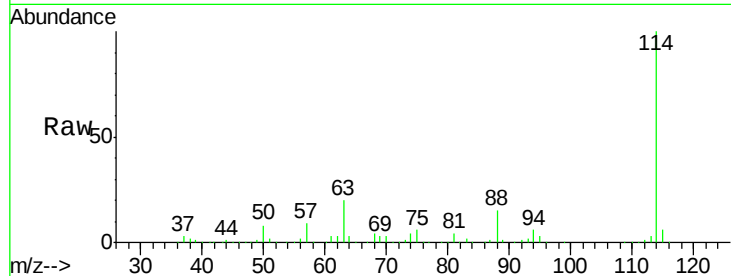
Tot Ion:114 Resp: 373784

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.4

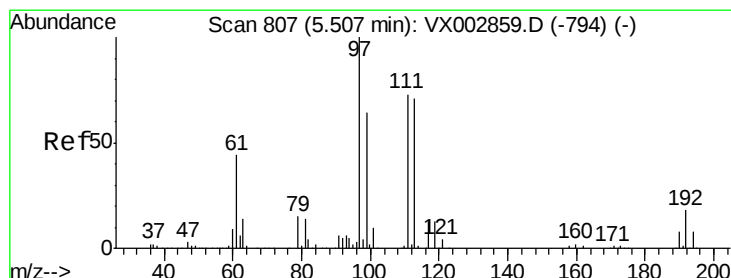
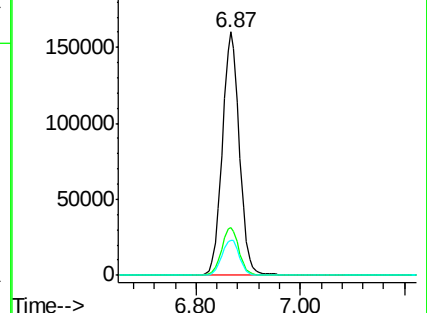
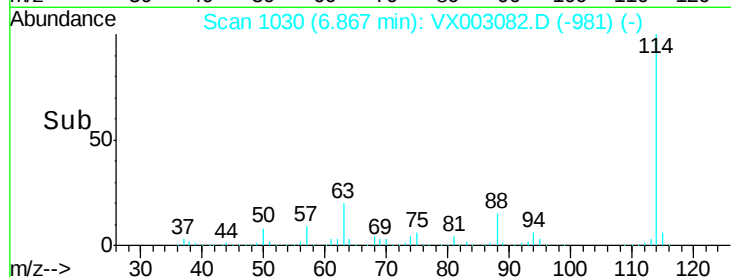
88 14.5 0.0 30.0



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: 48.60 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003082.D

Acq: 30 Jun 2018 16:43

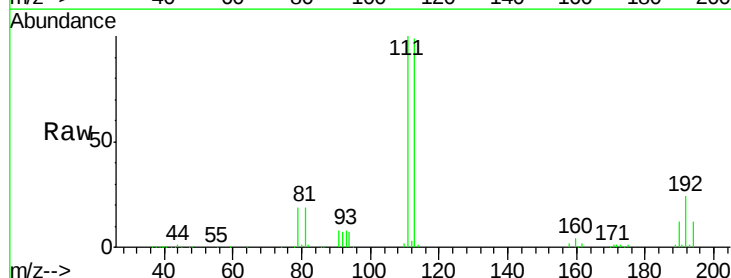
Tgt Ion:113 Resp: 143854

Ion Ratio Lower Upper

113 100

111 101.2 81.4 122.0

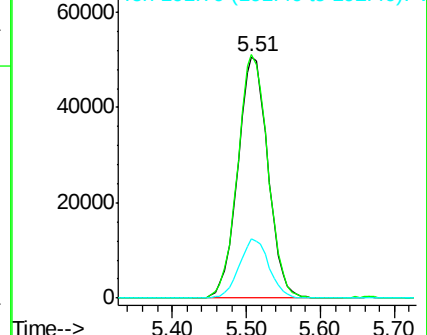
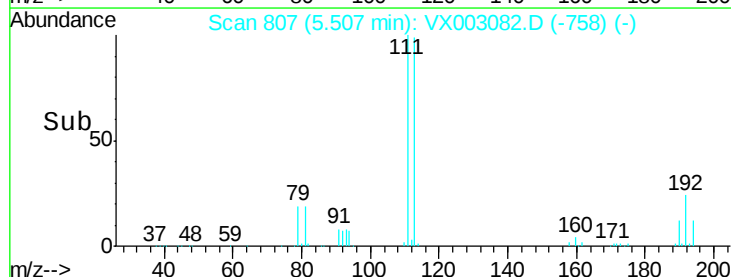
192 24.2 19.1 28.7

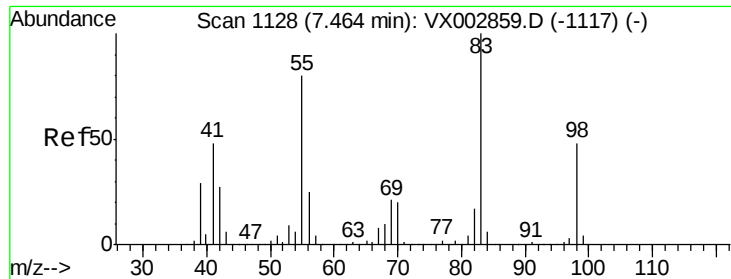


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

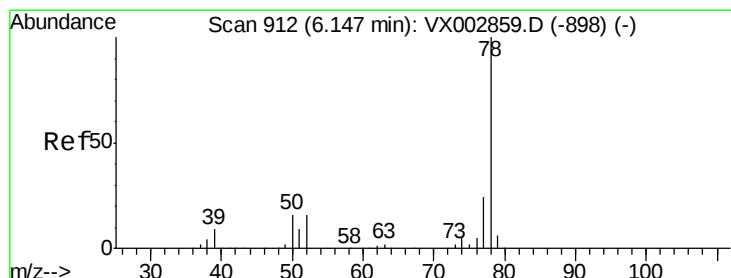
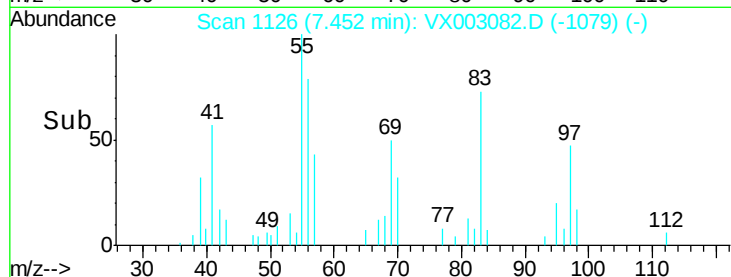
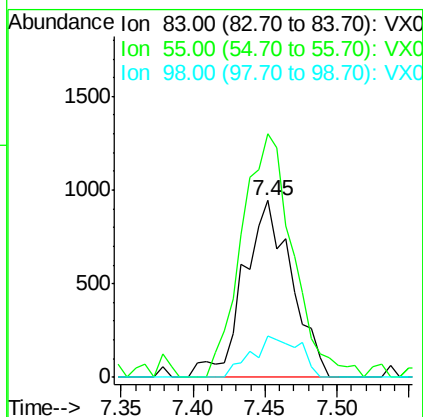
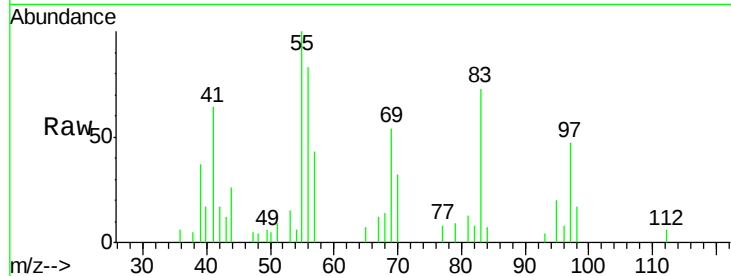




#39
Methvlcvclohexane
Concen: 0.46 ug/l
RT: 7.45 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VX003082.D
Acq: 30 Jun 2018 16:43

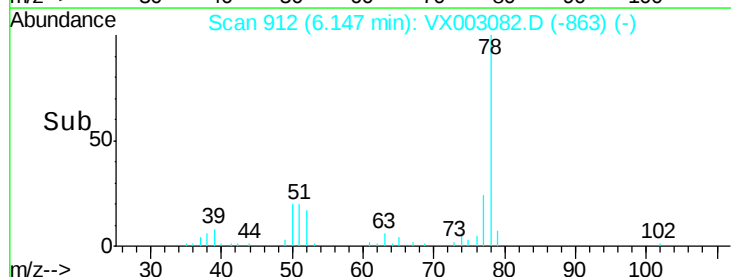
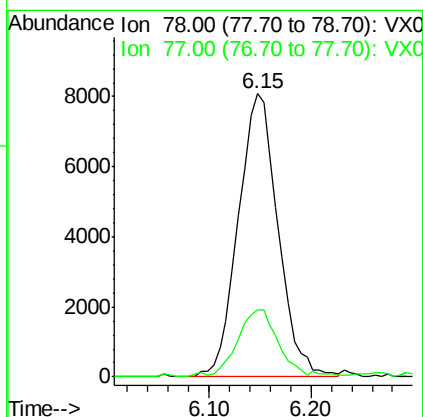
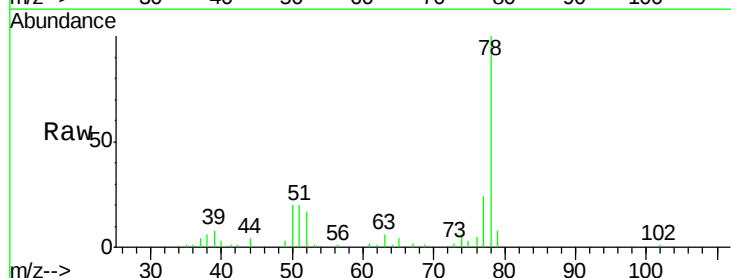
Instrument :
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S22-0043

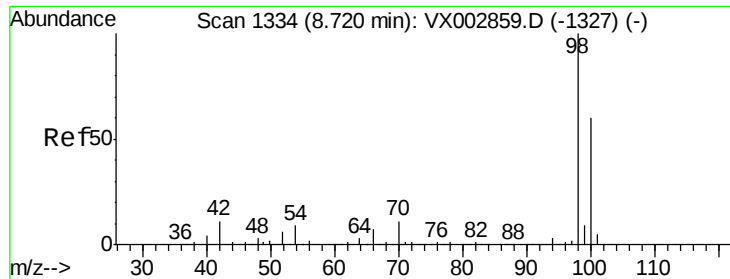
Tot Ion: 83 Resp: 2199
Ion Ratio Lower Upper
83 100
55 137.6 65.4 98.0#
98 23.4 37.4 56.0#



#40
Benzene
Concen: 1.84 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003082.D
Acq: 30 Jun 2018 16:43

Tgt Ion: 78 Resp: 21893
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7

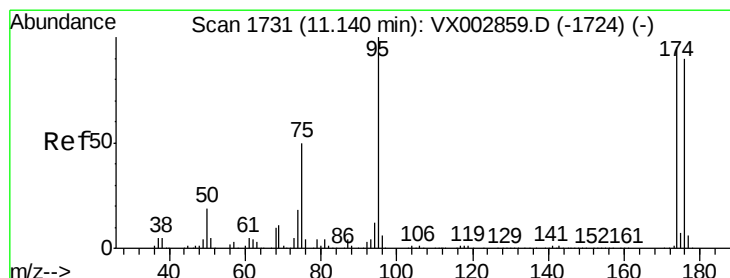
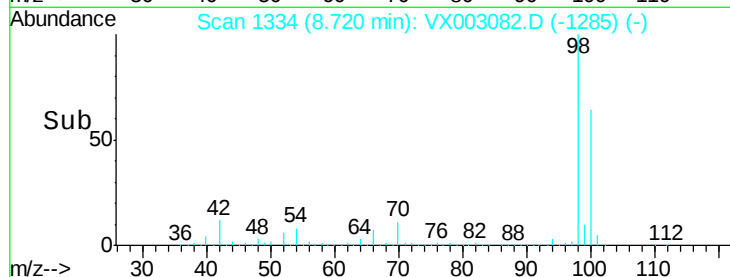
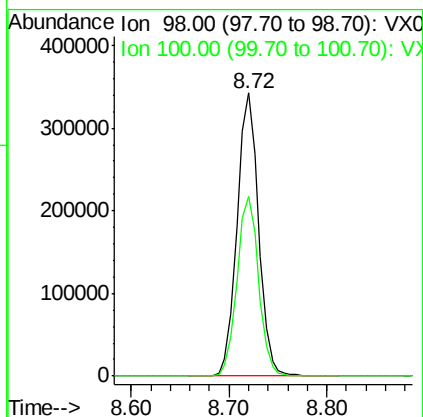
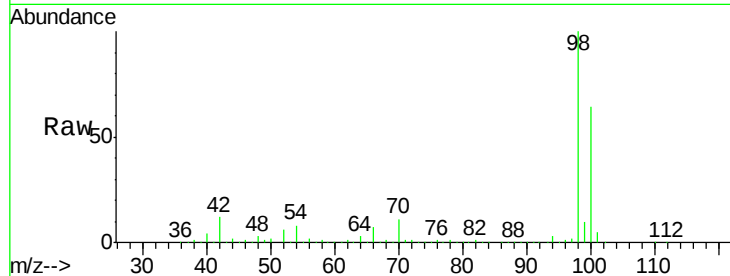




#50
Toluene-d8
Concen: 48.33 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003082.D
Acq: 30 Jun 2018 16:43

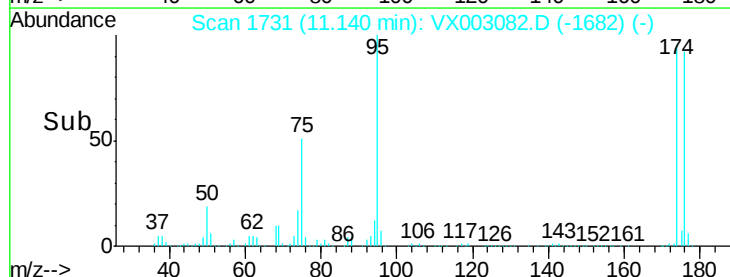
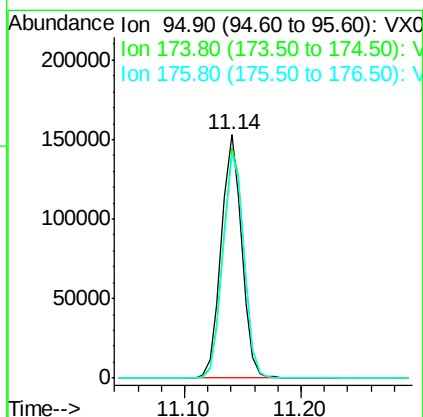
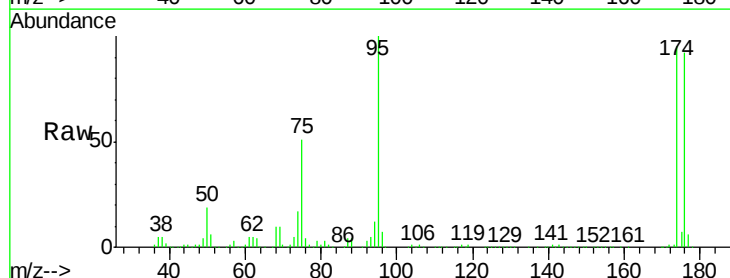
Instrument :
MSVOA_X
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S22-0043

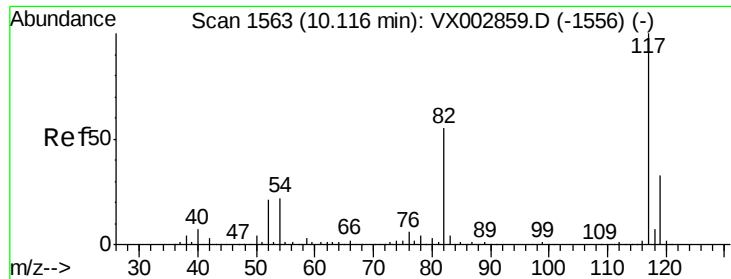
Tot Ion: 98 Resp: 522431
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 44.63 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003082.D
Acq: 30 Jun 2018 16:43

Tgt Ion: 95 Resp: 186029
Ion Ratio Lower Upper
95 100
174 97.3 0.0 187.4
176 94.5 0.0 181.0

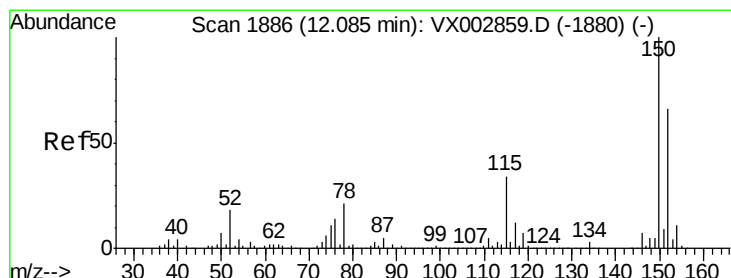
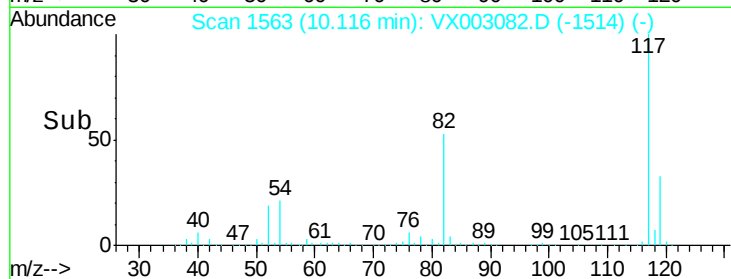
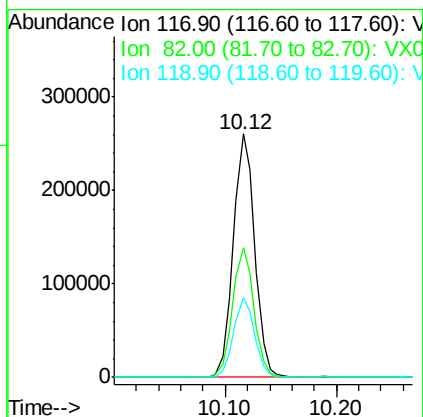
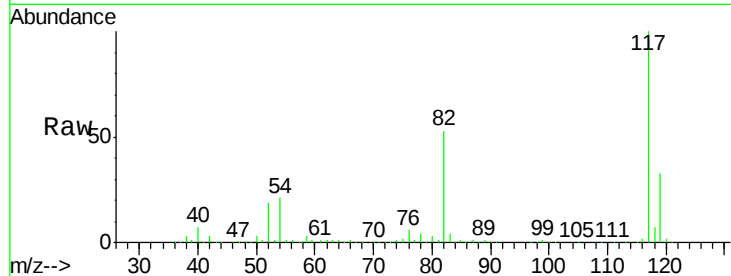




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003082.D
Acq: 30 Jun 2018 16:43

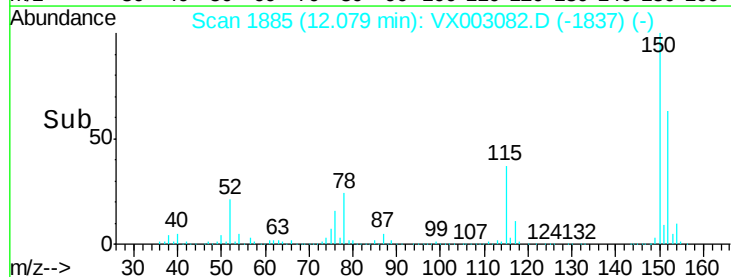
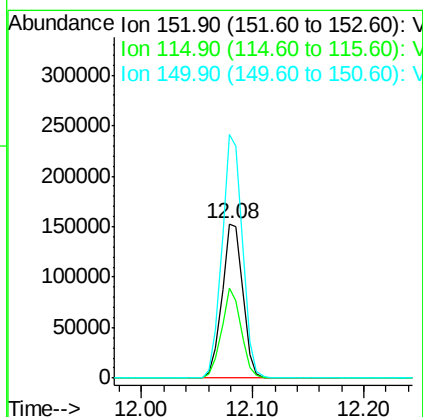
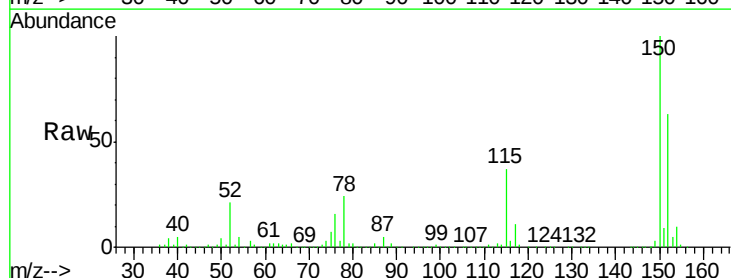
Instrument :
MSVOA_X
ClientSampleId :
S22-0043

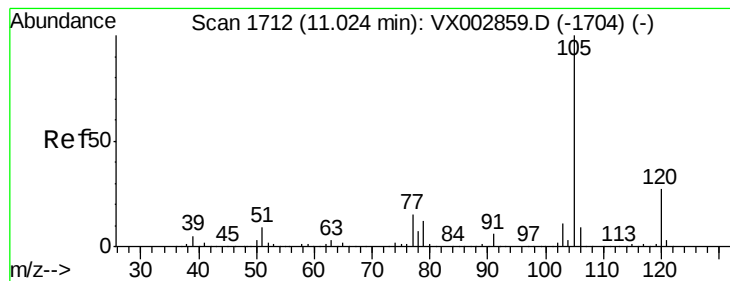
Tot Ion:117 Resp: 347075
Ion Ratio Lower Upper
117 100
82 53.3 45.0 67.4
119 32.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003082.D
Acq: 30 Jun 2018 16:43

Tgt Ion:152 Resp: 196617
Ion Ratio Lower Upper
152 100
115 54.8 40.1 120.2
150 155.6 0.0 347.2





#73

Isopropylbenzene

Concen: 1.50 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003082.D

Acq: 30 Jun 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

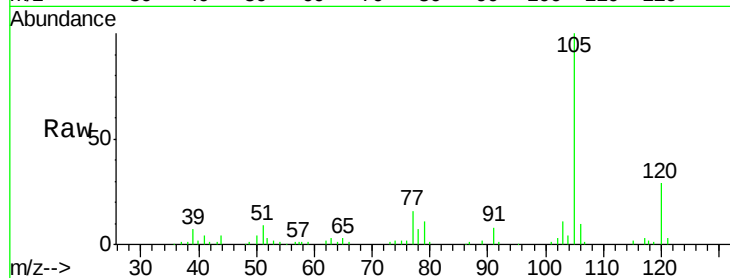
S22-0043

Tot Ion:105 Resp: 19835

Ion Ratio Lower Upper

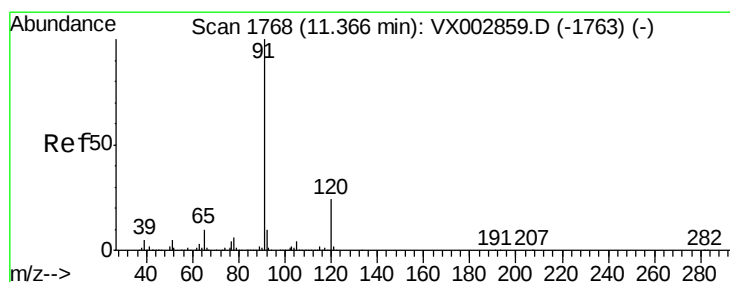
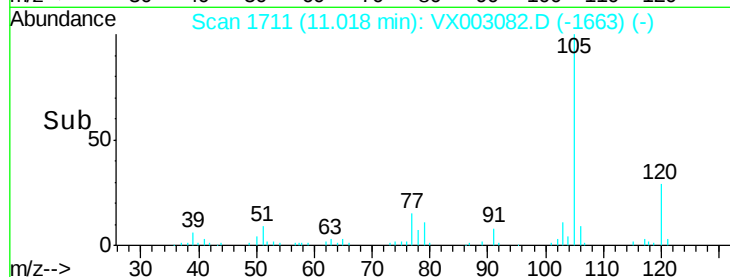
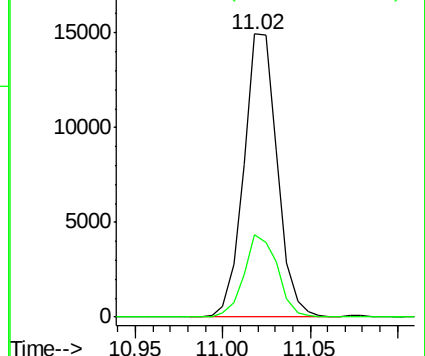
105 100

120 29.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 0.27 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003082.D

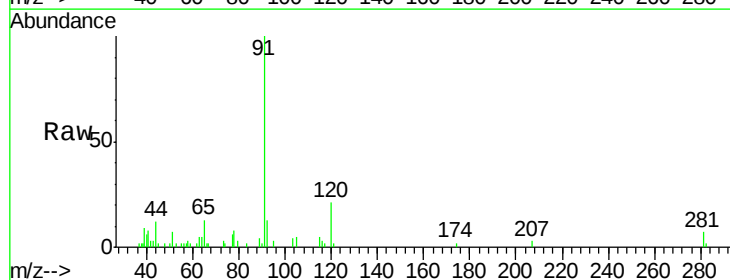
Acq: 30 Jun 2018 16:43

Tgt Ion: 91 Resp: 4102

Ion Ratio Lower Upper

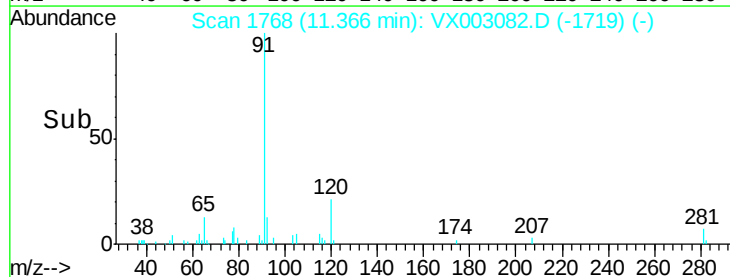
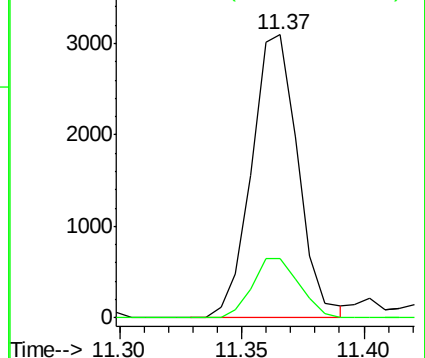
91 100

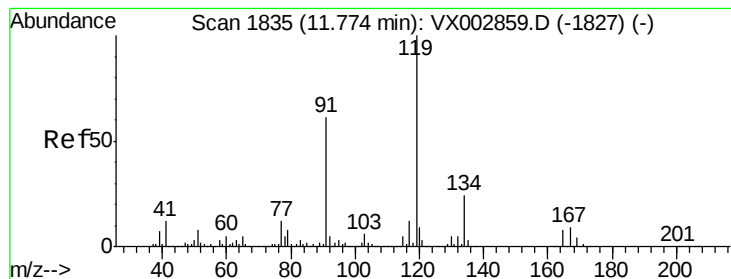
120 21.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#83

tert-Butylbenzene

Concen: 0.35 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX003082.D

Acq: 30 Jun 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

S22-0043

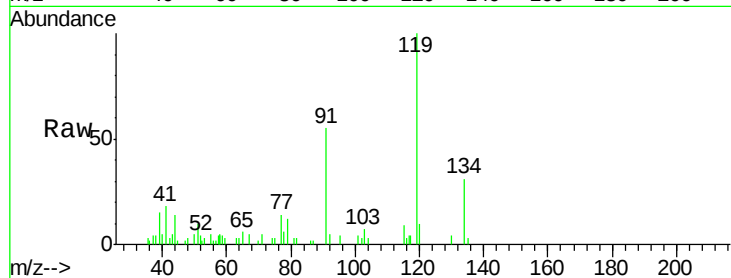
Tot Ion:119 Resp: 3856

Ion Ratio Lower Upper

119 100

91 70.0 30.3 90.9

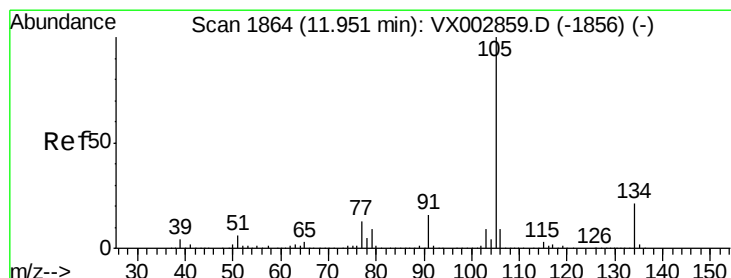
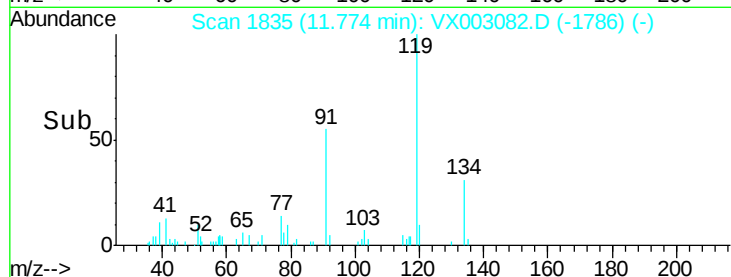
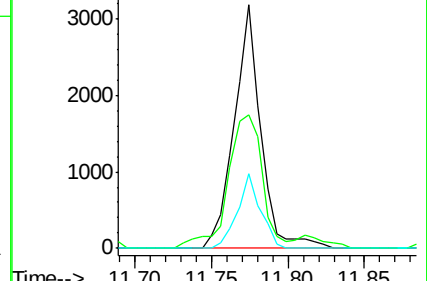
134 26.2 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#85

sec-Butylbenzene

Concen: 1.15 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003082.D

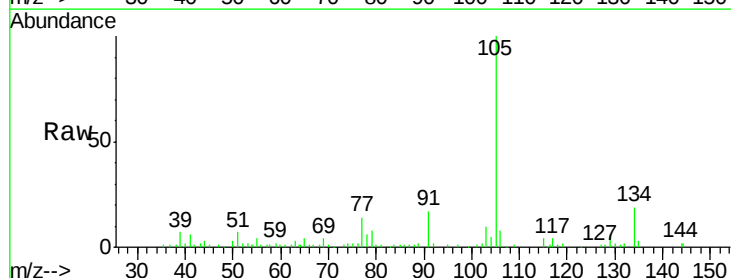
Acq: 30 Jun 2018 16:43

Tgt Ion:105 Resp: 15317

Ion Ratio Lower Upper

105 100

134 24.8 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

