

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071718\
 Data File : VX003419.D
 Acq On : 17 Jul 2018 11:25
 Operator : JC/MD
 Sample : J3545-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-1

Quant Time: Jul 17 12:04:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	257938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	381486	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	365464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	233616	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	167348	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
35) Dibromofluoromethane	5.51	113	144941	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	
50) Toluene-d8	8.72	98	631023	55.40	ug/l	0.00
Spiked Amount			Recovery	=	110.80%	
62) 4-Bromofluorobenzene	11.14	95	231787	56.99	ug/l	0.00
Spiked Amount			Recovery	=	113.98%	

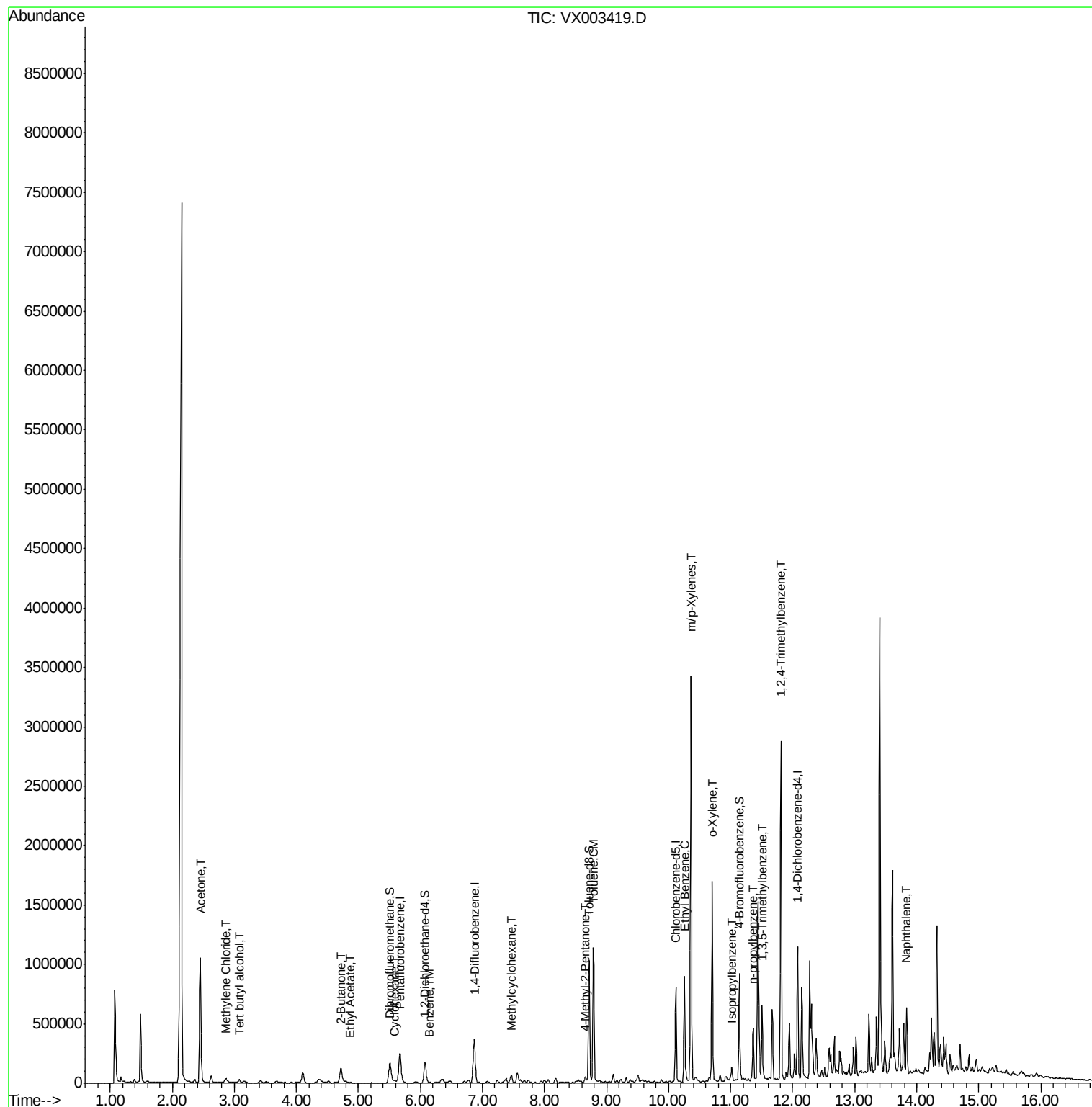
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.08	59	32472	42.75	ug/l	99
16) Acetone	2.45	43	1148548	817.47	ug/l	# 89
20) Methylene Chloride	2.86	84	15964	2.32	ug/l	93
25) 2-Butanone	4.71	43	218037	99.16	ug/l	92
31) Cyclohexane	5.57	56	13380	3.19	ug/l	90
37) Ethyl Acetate	4.87	43	7642	1.76	ug/l	# 96
39) Methylcyclohexane	7.46	83	28004	6.33	ug/l	93
40) Benzene	6.15	78	10314	0.88	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	25859	5.98	ug/l	94
52) Toluene	8.79	92	419009	56.94	ug/l	99
67) Ethyl Benzene	10.26	91	519055	36.78	ug/l	99
68) m/p-Xylenes	10.36	106	794446	145.55	ug/l	97
69) o-Xylene	10.70	106	363358	69.31	ug/l	97
73) Isopropylbenzene	11.02	105	55164	3.69	ug/l	99
78) n-propylbenzene	11.37	91	249238	14.91	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	289558	23.70	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1221284	97.29	ug/l	99
95) Naphthalene	13.83	128	351178	22.93	ug/l	99

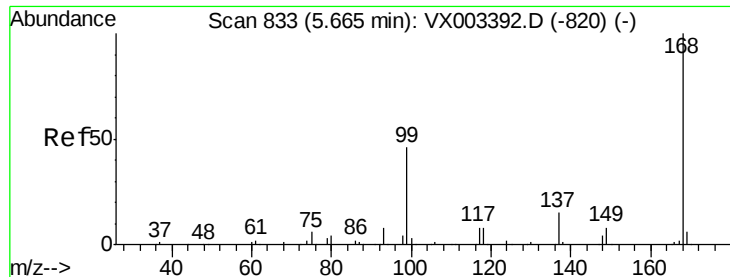
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX003419.D

Acq: 17 Jul 2018 11:25

Instrument :

MSVOA_X

ClientSampleId :

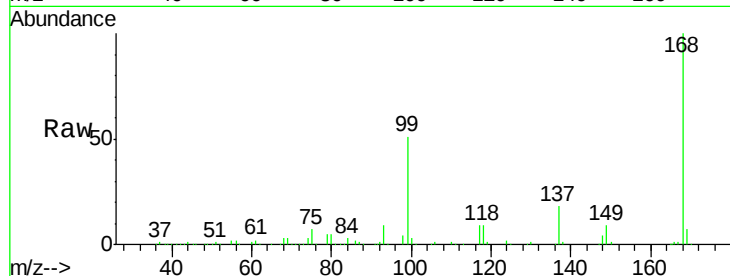
DRUM-1

Tot Ion:168 Resp: 257938

Ion Ratio Lower Upper

168 100

99 50.6 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

80000

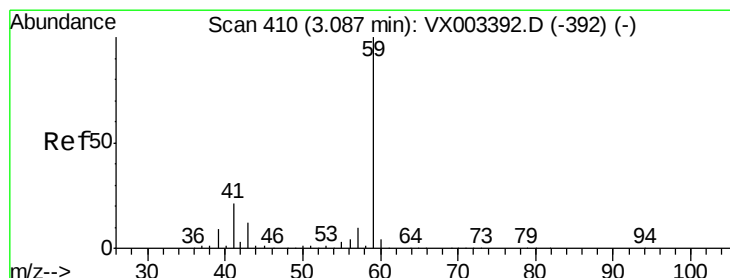
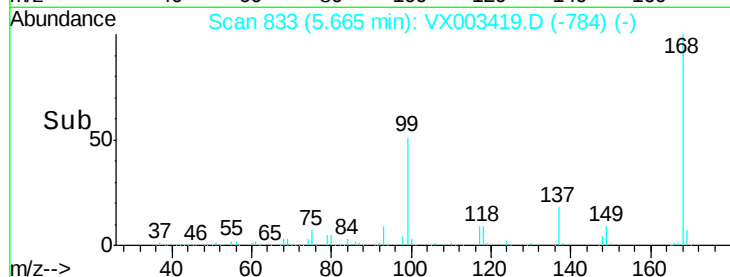
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 42.75 ug/l

RT: 3.08 min Scan# 409

Delta R.T. -0.01 min

Lab File: VX003419.D

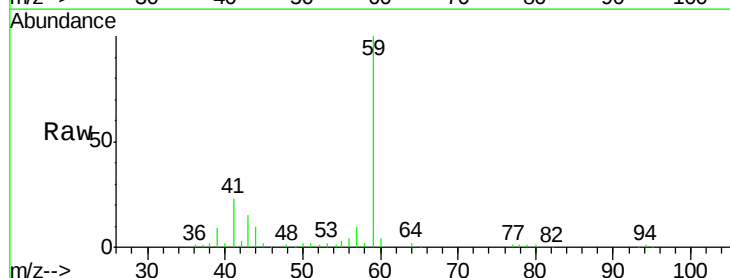
Acq: 17 Jul 2018 11:25

Tgt Ion: 59 Resp: 32472

Ion Ratio Lower Upper

59 100

57 10.7 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.08

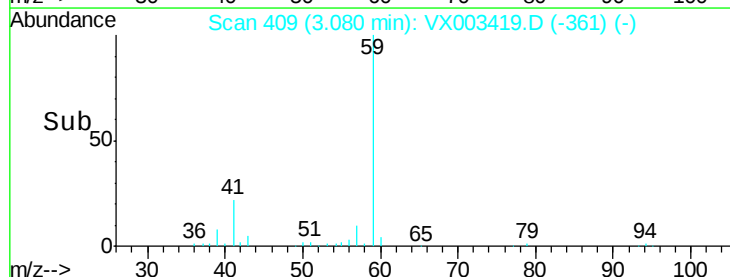
15000

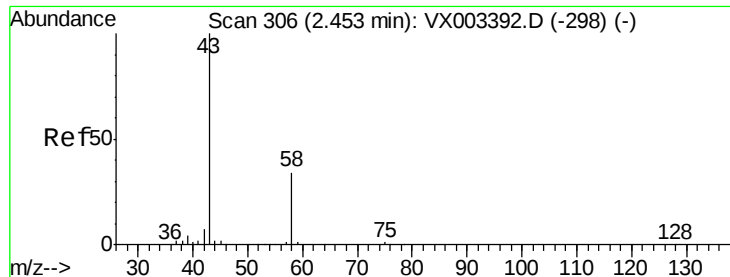
10000

5000

0

Time--> 2.90 3.00 3.10 3.20





#16

Acetone

Concen: 817.47 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003419.D

Acq: 17 Jul 2018 11:25

Instrument :

MSVOA_X

ClientSampleId :

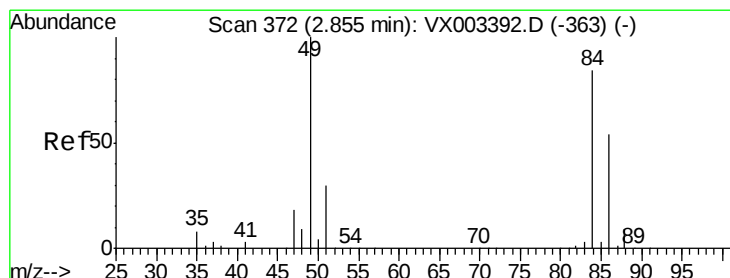
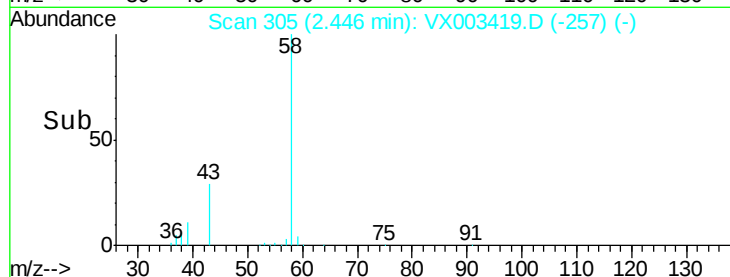
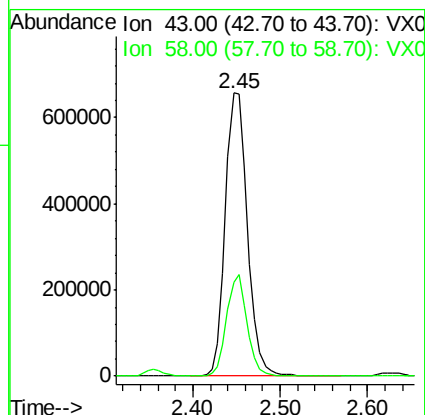
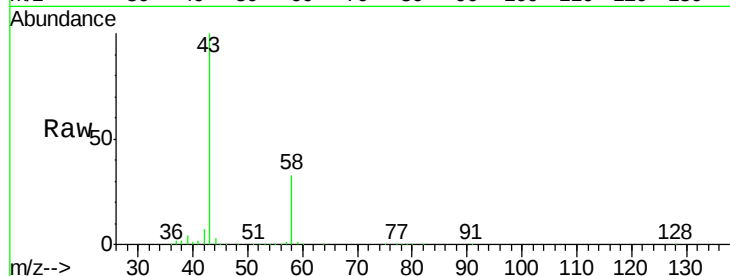
DRUM-1

Tot Ion: 43 Resp: 1148548

Ion Ratio Lower Upper

43 100

58 33.3 22.1 33.1#



#20

Methylene Chloride

Concen: 2.32 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003419.D

Acq: 17 Jul 2018 11:25

Tgt Ion: 84 Resp: 15964

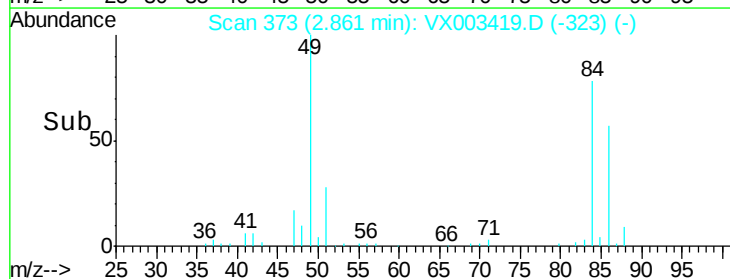
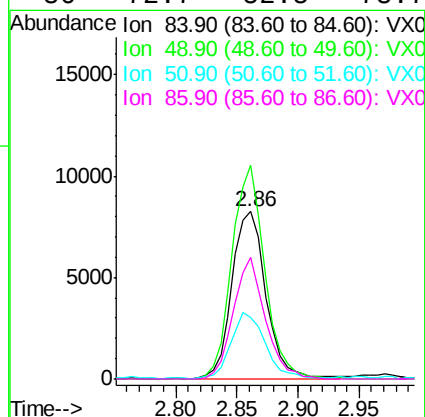
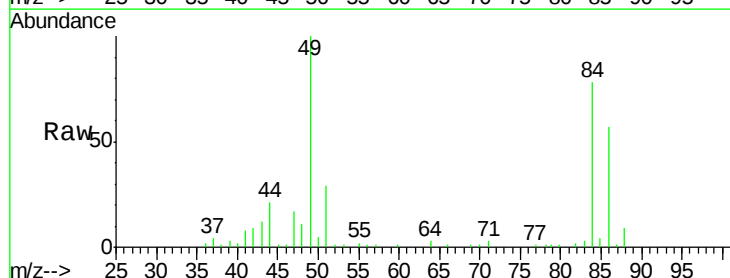
Ion Ratio Lower Upper

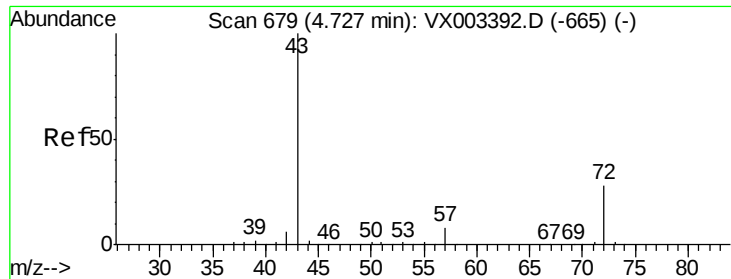
84 100

49 127.8 107.8 161.6

51 37.0 32.8 49.2

86 72.7 52.5 78.7





#25

2-Butanone

Concen: 99.16 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX003419.D

Acq: 17 Jul 2018 11:25

Instrument :

MSVOA_X

ClientSampled :

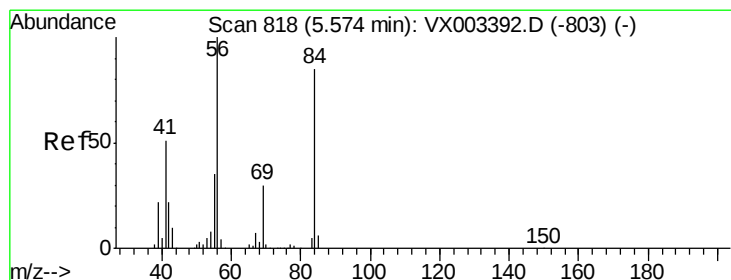
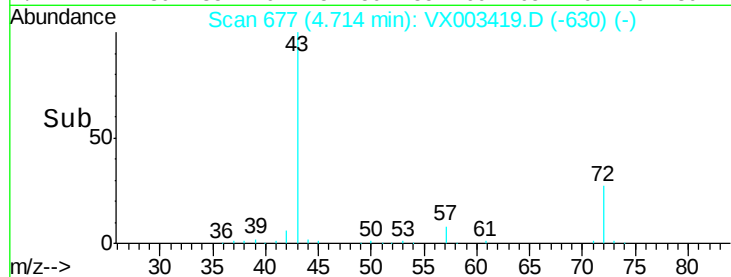
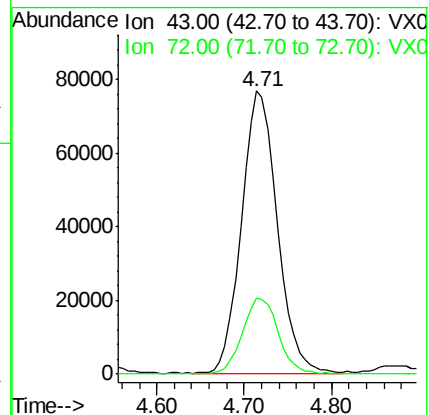
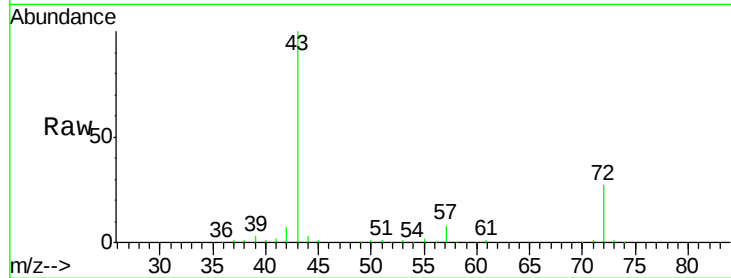
DRUM-1

Tot Ion: 43 Resp: 218037

Ion Ratio Lower Upper

43 100

72 26.9 18.5 27.7



#31

Cyclohexane

Concen: 3.19 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX003419.D

Acq: 17 Jul 2018 11:25

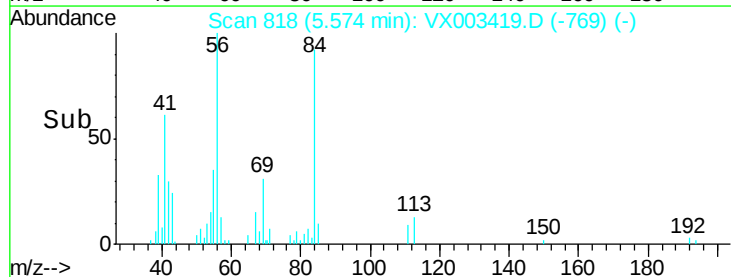
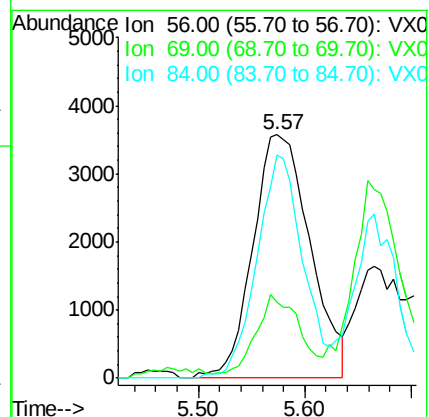
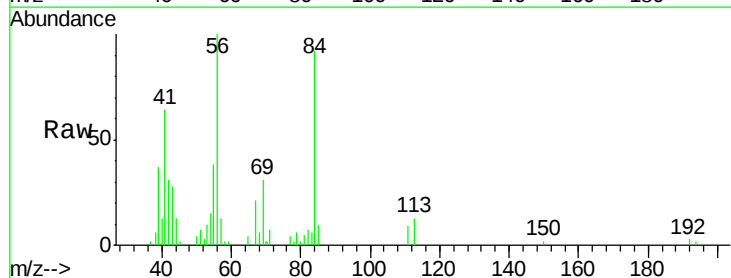
Tgt Ion: 56 Resp: 13380

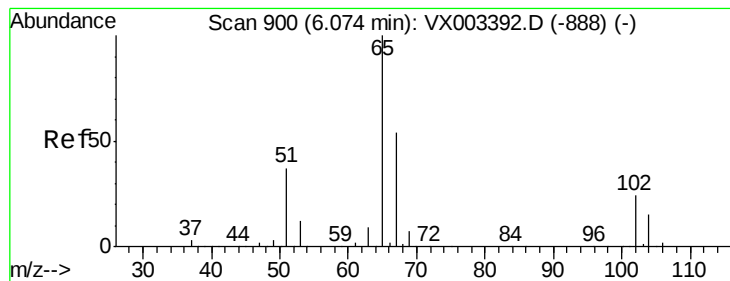
Ion Ratio Lower Upper

56 100

69 28.9 23.7 35.5

84 91.6 64.1 96.1





#33

1,2-Dichloroethane-d4

Concen: 49.54 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX003419.D

Acq: 17 Jul 2018 11:25

Instrument :

MSVOA_X

ClientSampleId :

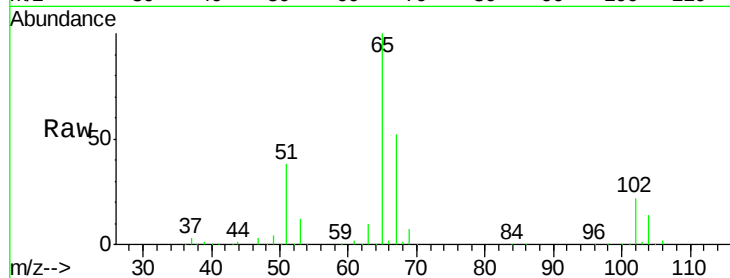
DRUM-1

Tot Ion: 65 Resp: 167348

Ion Ratio Lower Upper

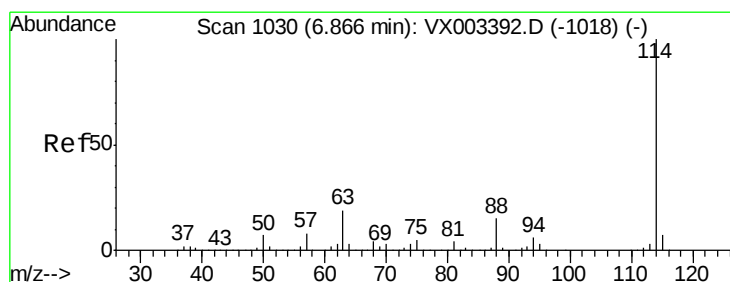
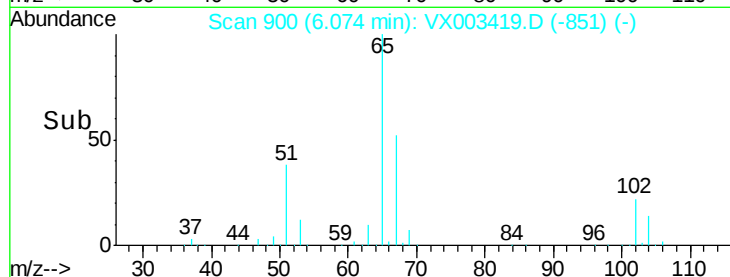
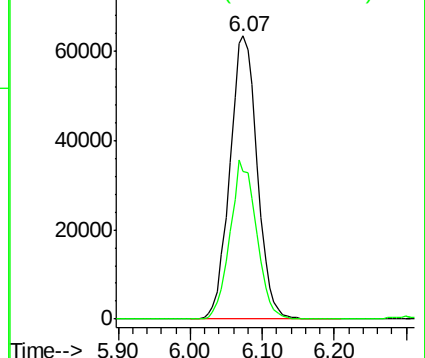
65 100

67 54.3 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: VX003419.D

Acq: 17 Jul 2018 11:25

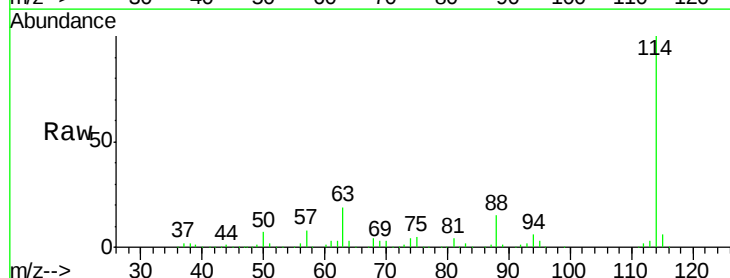
Tgt Ion: 114 Resp: 381486

Ion Ratio Lower Upper

114 100

63 18.9 0.0 41.4

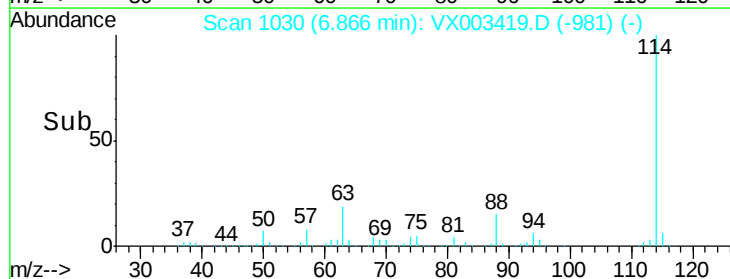
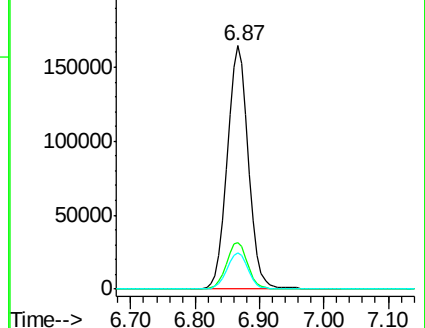
88 14.9 0.0 30.0

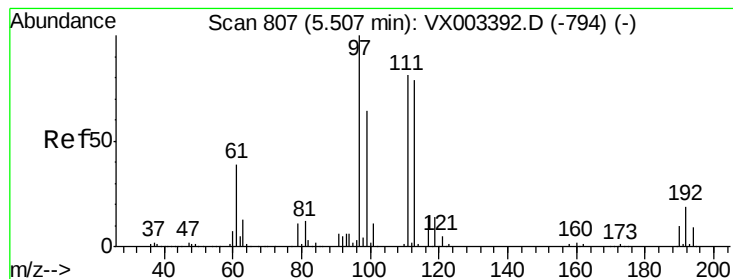


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.96 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX003419.D

Acq: 17 Jul 2018 11:25

Instrument :

MSVOA_X

ClientSampleId :

DRUM-1

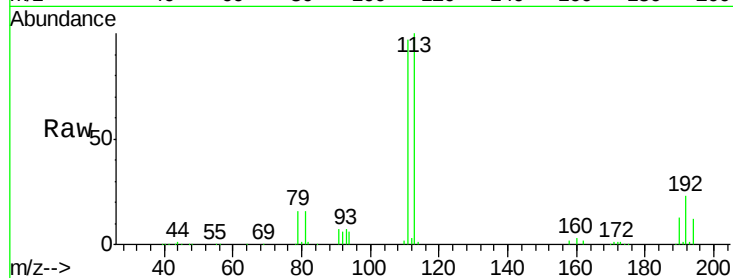
Tot Ion:113 Resp: 144941

Ion Ratio Lower Upper

113 100

111 101.1 81.4 122.0

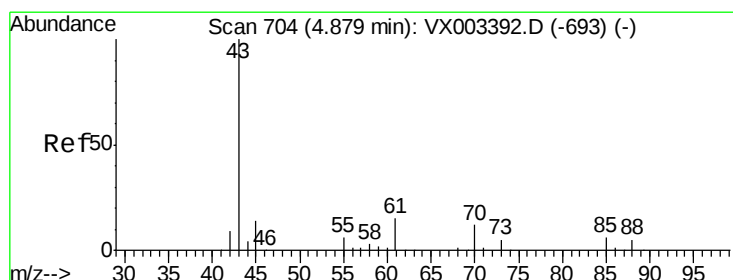
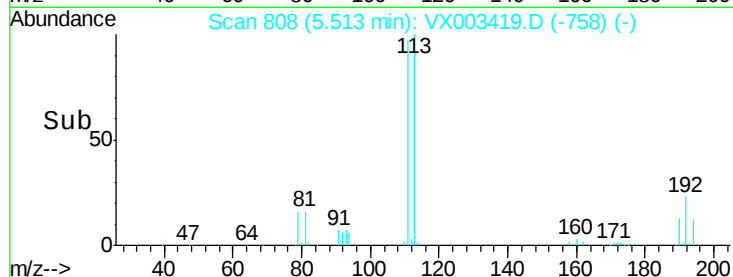
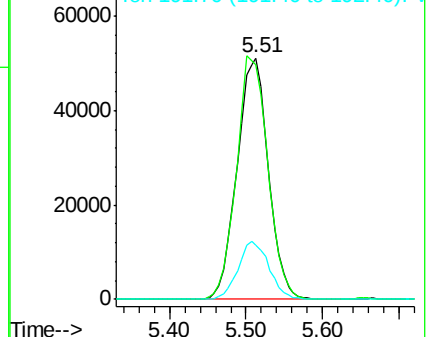
192 23.7 19.1 28.7



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



#37

Ethyl Acetate

Concen: 1.76 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.01 min

Lab File: VX003419.D

Acq: 17 Jul 2018 11:25

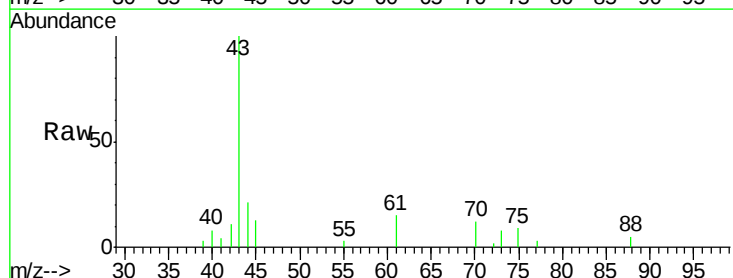
Tgt Ion: 43 Resp: 7642

Ion Ratio Lower Upper

43 100

61 13.8 10.4 15.6

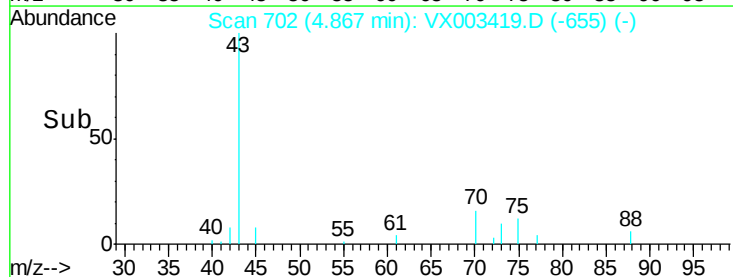
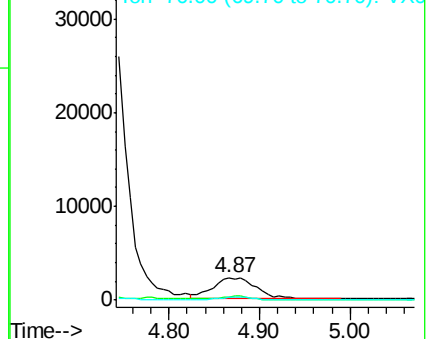
70 11.7 7.6 11.4#

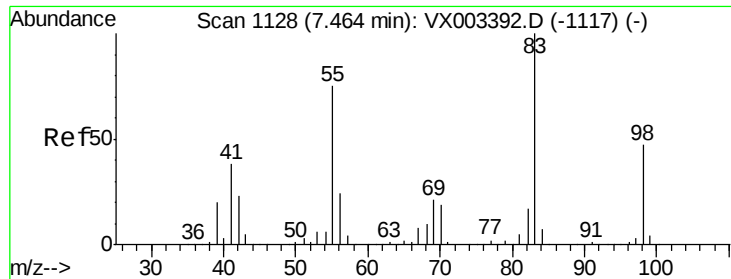


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

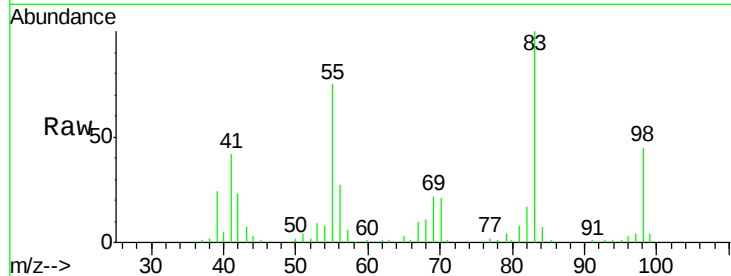




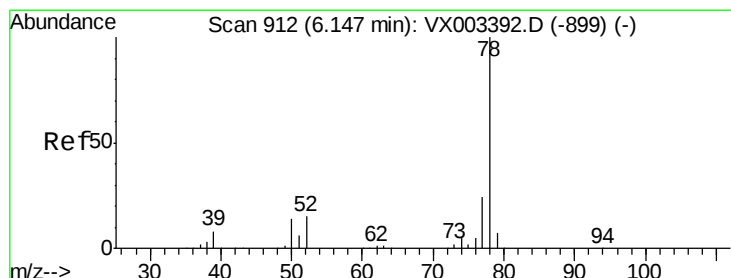
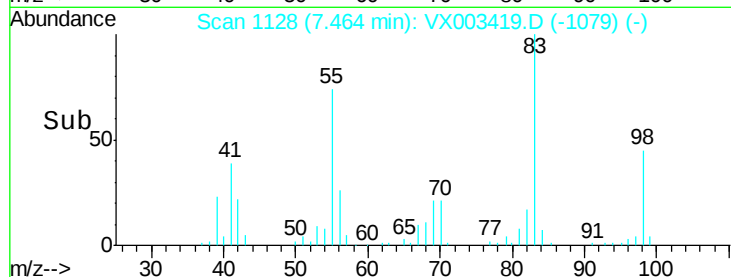
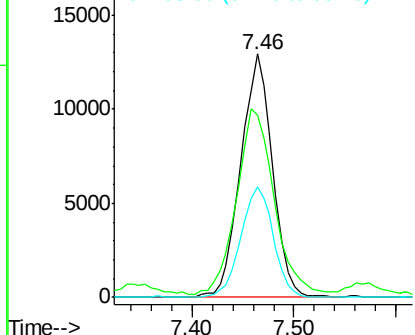
#39
Methvlcvclohexane
Concen: 6.33 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003419.D
Acq: 17 Jul 2018 11:25

Instrument :
MSVOA_X
ClientSampled :
DRUM-1

Tot Ion: 83 Resp: 28004
Ion Ratio Lower Upper
83 100
55 73.3 65.4 98.0
98 45.2 37.4 56.0

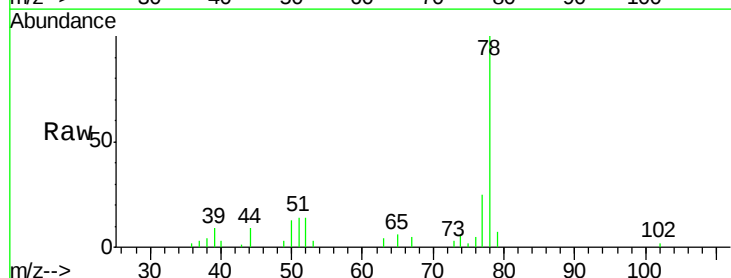


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

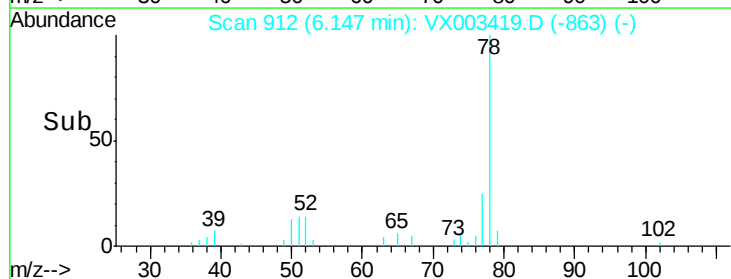
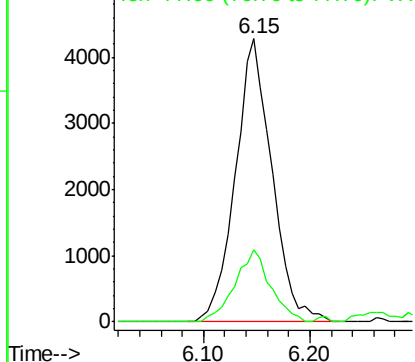


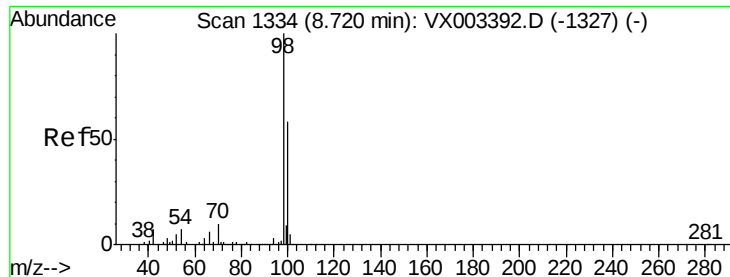
#40
Benzene
Concen: 0.88 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003419.D
Acq: 17 Jul 2018 11:25

Tgt Ion: 78 Resp: 10314
Ion Ratio Lower Upper
78 100
77 25.5 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: 55.40 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003419.D

Acq: 17 Jul 2018 11:25

Instrument :

MSVOA_X

ClientSampleId :

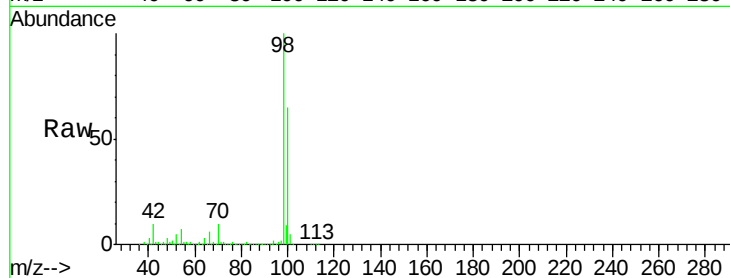
DRUM-1

Tot Ion: 98 Resp: 631023

Ion Ratio Lower Upper

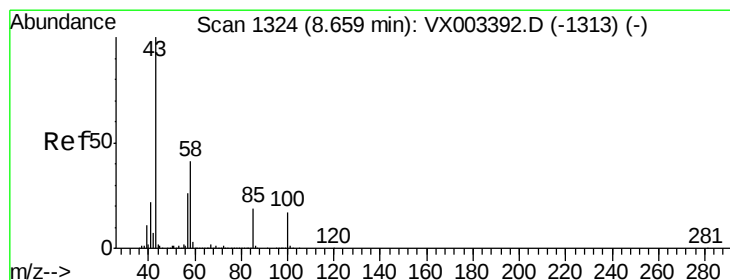
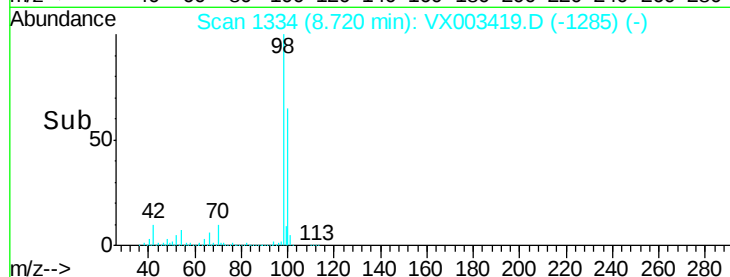
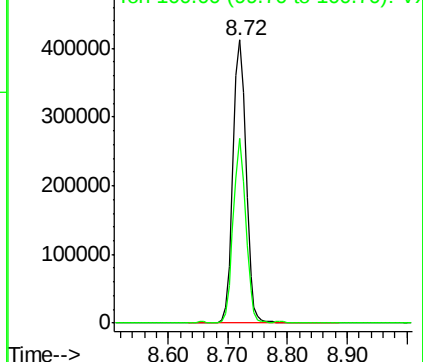
98 100

100 61.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 5.98 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX003419.D

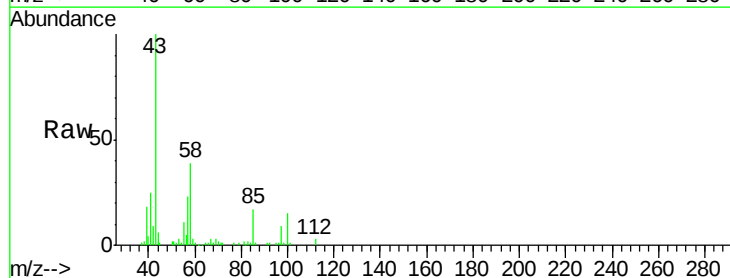
Acq: 17 Jul 2018 11:25

Tgt Ion: 43 Resp: 25859

Ion Ratio Lower Upper

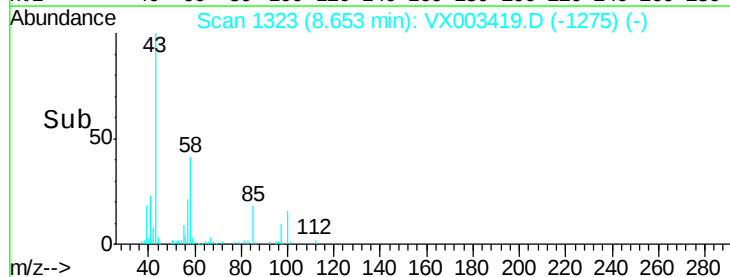
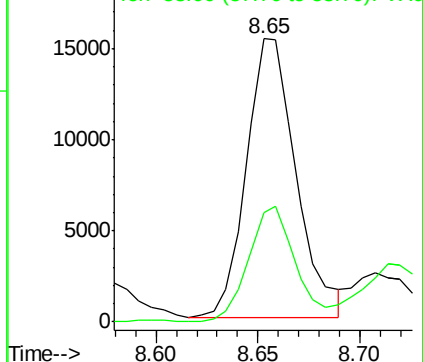
43 100

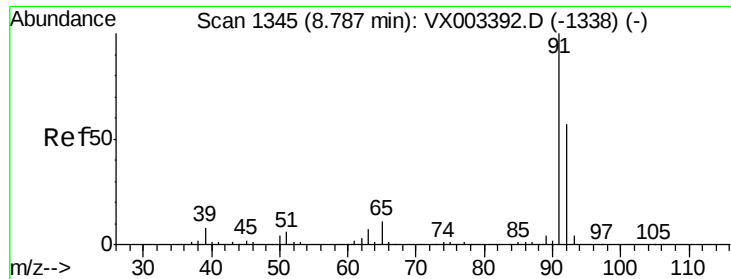
58 39.0 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 56.94 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003419.D

Acq: 17 Jul 2018 11:25

Instrument :

MSVOA_X

ClientSampled :

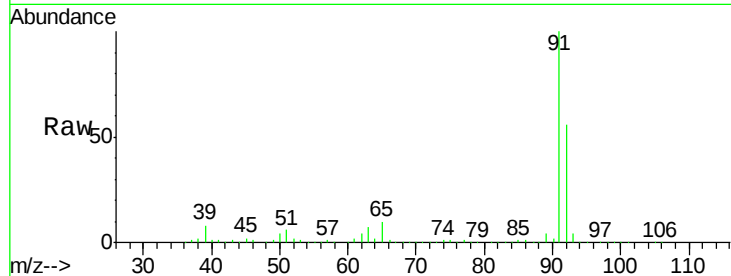
DRUM-1

Tot Ion: 92 Resp: 419009

Ion Ratio Lower Upper

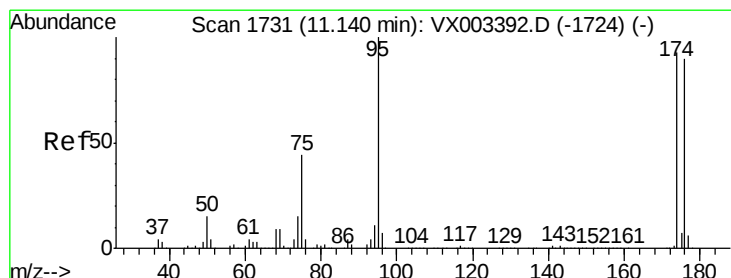
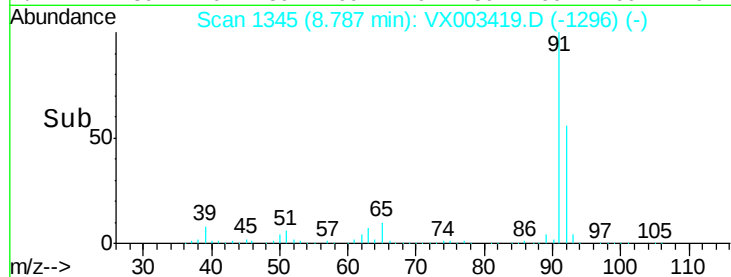
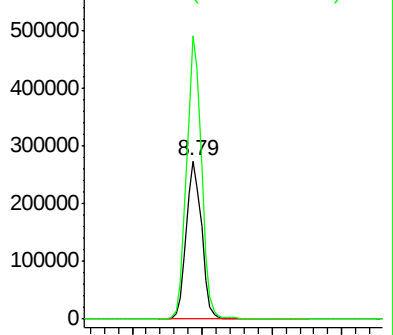
92 100

91 173.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 56.99 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003419.D

Acq: 17 Jul 2018 11:25

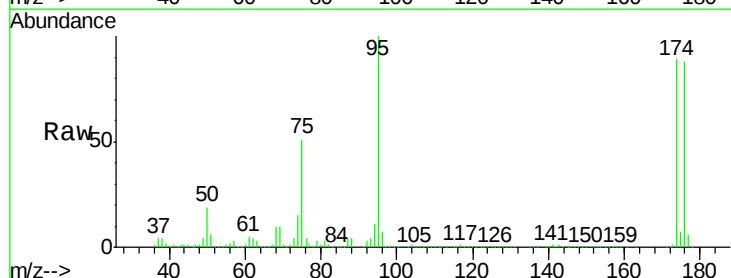
Tgt Ion: 95 Resp: 231787

Ion Ratio Lower Upper

95 100

174 90.8 0.0 187.4

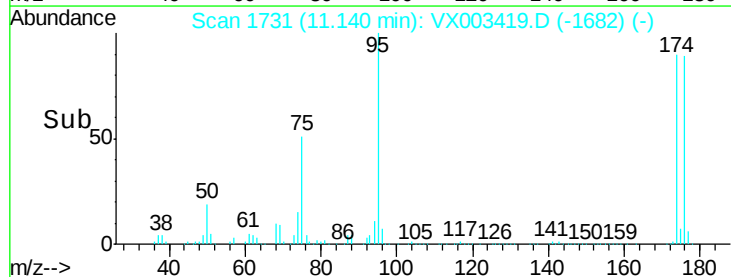
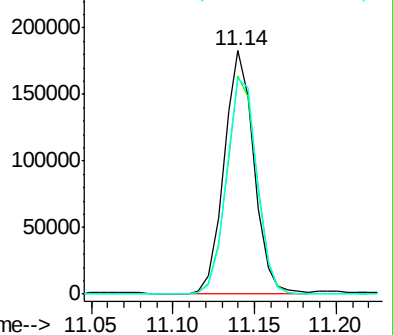
176 91.4 0.0 181.0

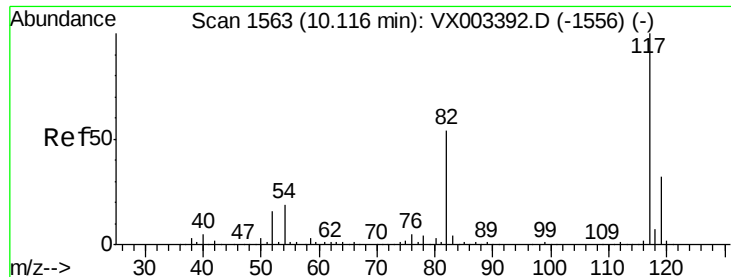


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

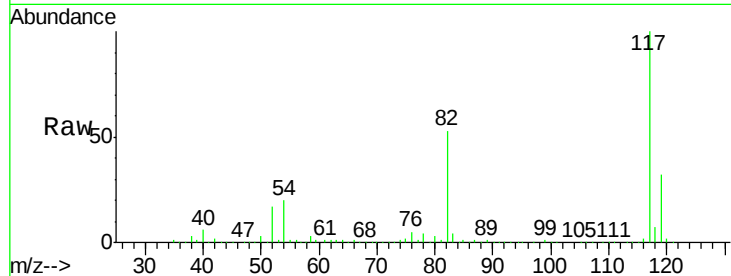




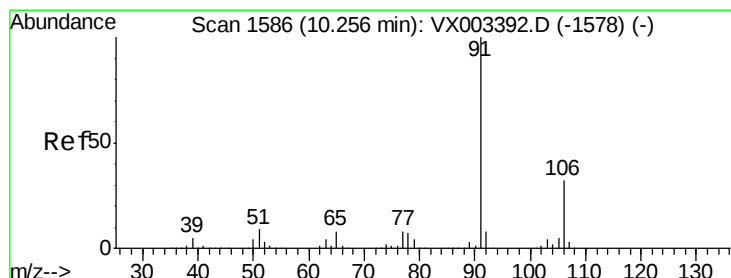
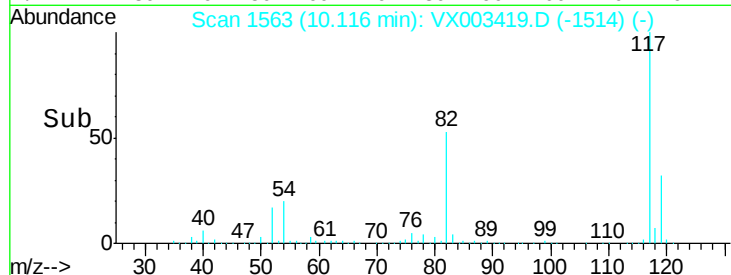
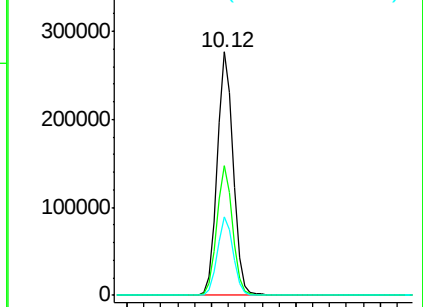
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003419.D
Acq: 17 Jul 2018 11:25

Instrument :
MSVOA_X
ClientSampleId :
DRUM-1

Tot Ion:117 Resp: 365464
Ion Ratio Lower Upper
117 100
82 53.3 45.0 67.4
119 32.3 25.8 38.6

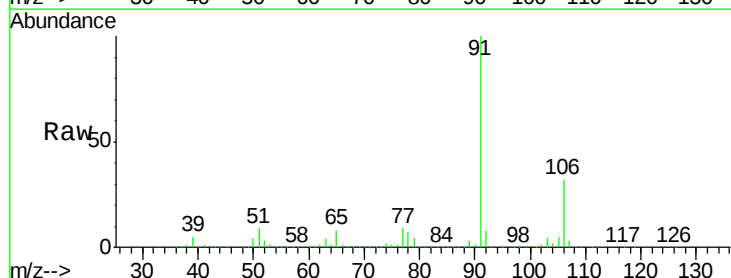


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

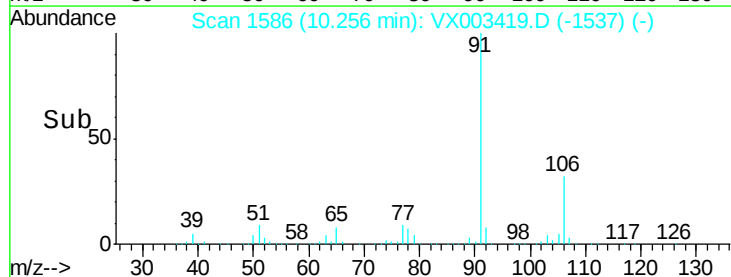
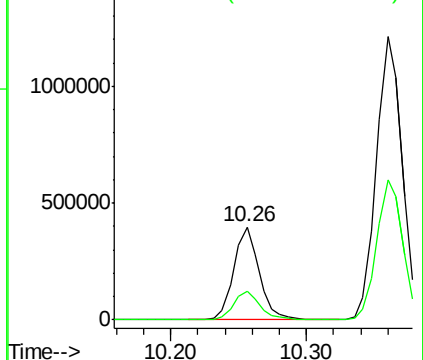


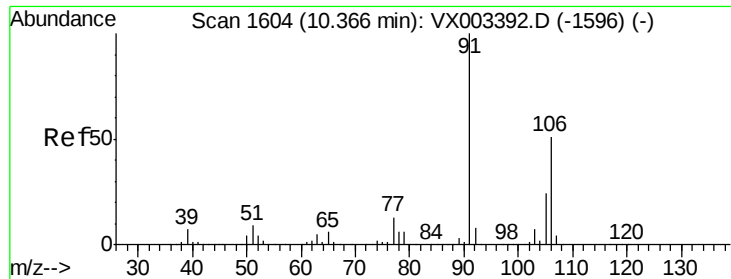
#67
Ethyl Benzene
Concen: 36.78 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003419.D
Acq: 17 Jul 2018 11:25

Tgt Ion: 91 Resp: 519055
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3



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

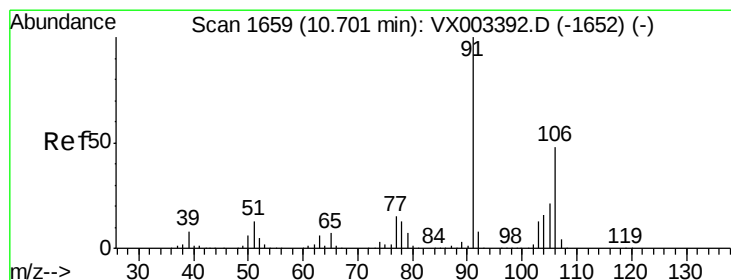
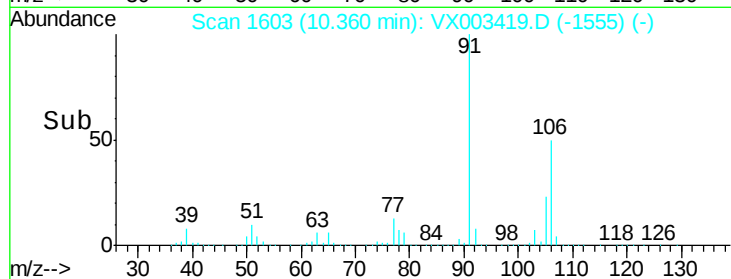
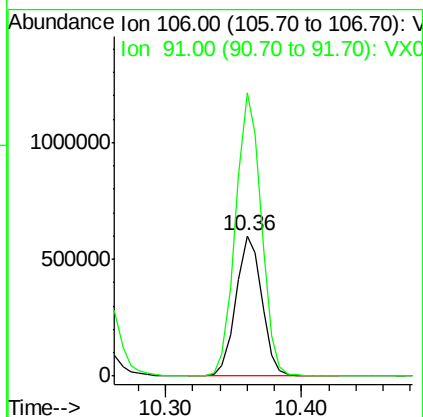
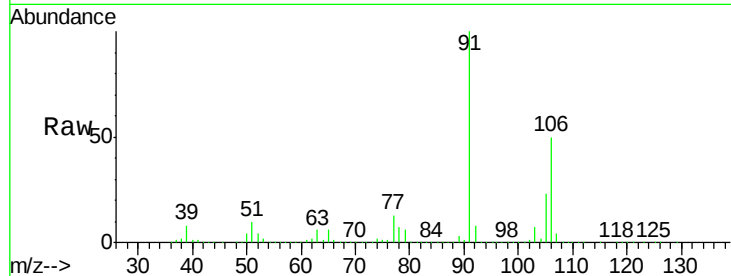




#68
m/p-Xvlenes
Concen: 145.55 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX003419.D
Acq: 17 Jul 2018 11:25

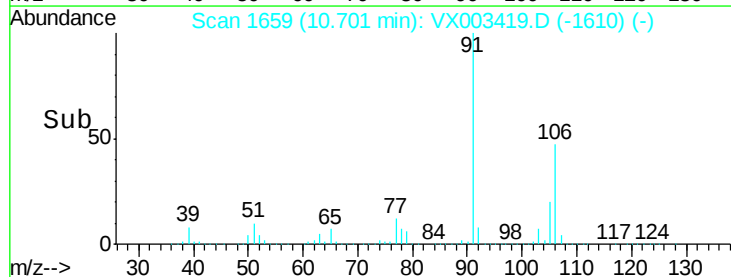
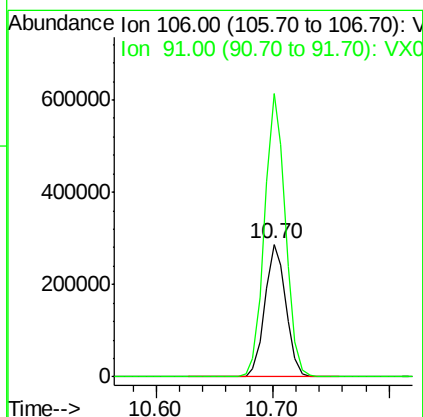
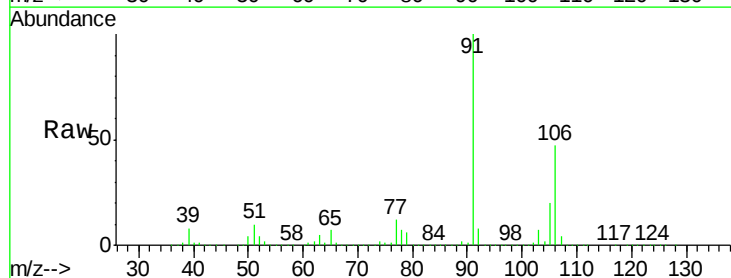
Instrument :
MSVOA_X
ClientSampled :
DRUM-1

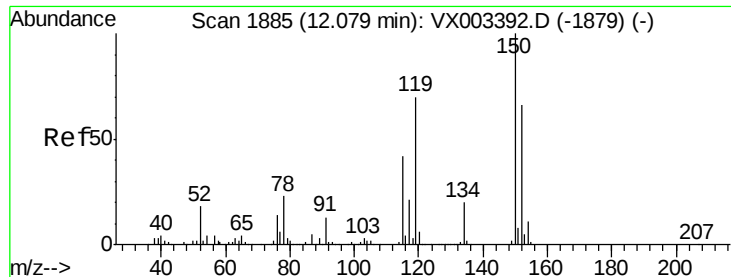
Tot Ion:106 Resp: 794446
Ion Ratio Lower Upper
106 100
91 200.3 163.4 245.2



#69
o-Xylene
Concen: 69.31 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003419.D
Acq: 17 Jul 2018 11:25

Tgt Ion:106 Resp: 363358
Ion Ratio Lower Upper
106 100
91 211.3 108.2 324.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003419.D

Acq: 17 Jul 2018 11:25

Instrument :

MSVOA_X

ClientSampleId :

DRUM-1

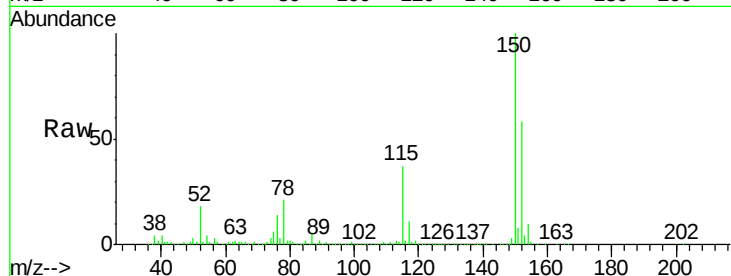
Tot Ion:152 Resp: 233616

Ion Ratio Lower Upper

152 100

115 55.7 40.1 120.2

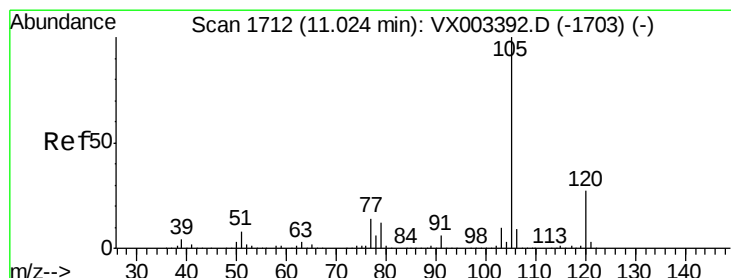
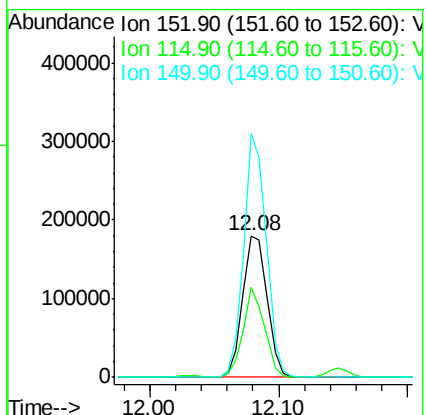
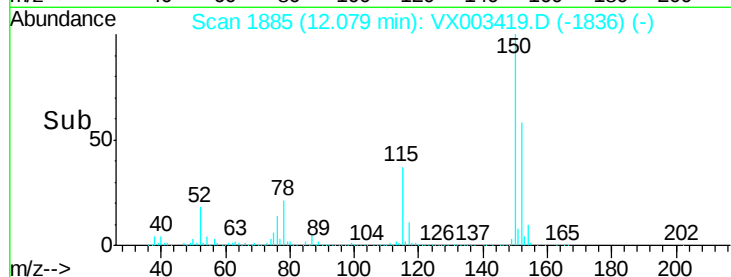
150 159.2 0.0 347.2



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: 3.69 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003419.D

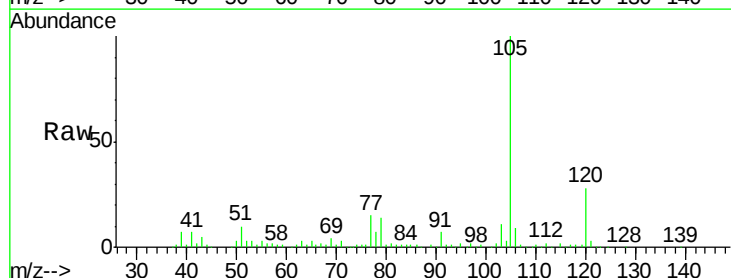
Acq: 17 Jul 2018 11:25

Tgt Ion:105 Resp: 55164

Ion Ratio Lower Upper

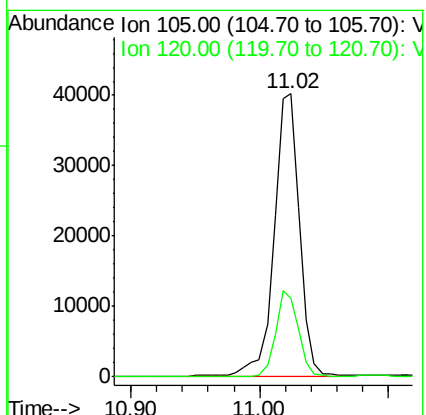
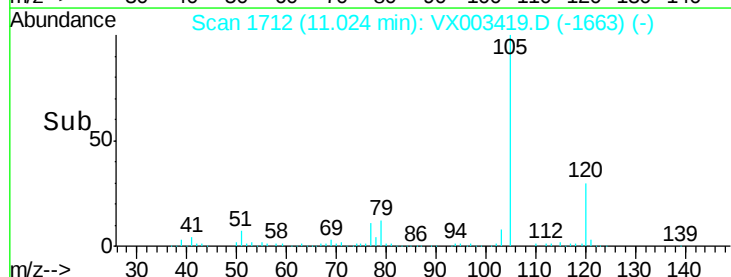
105 100

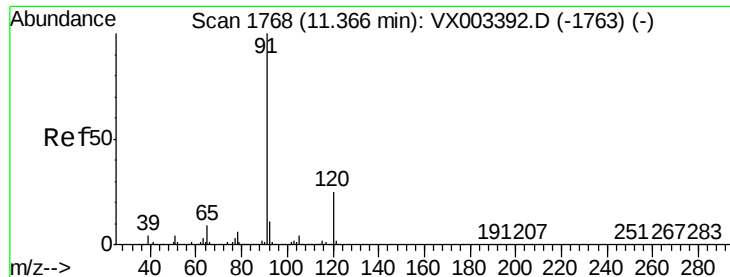
120 27.4 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 14.91 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003419.D

Acq: 17 Jul 2018 11:25

Instrument :

MSVOA_X

ClientSampleId :

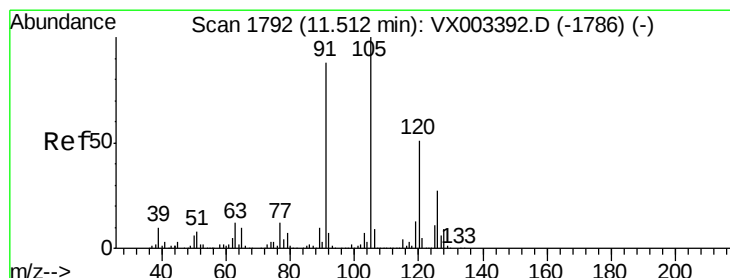
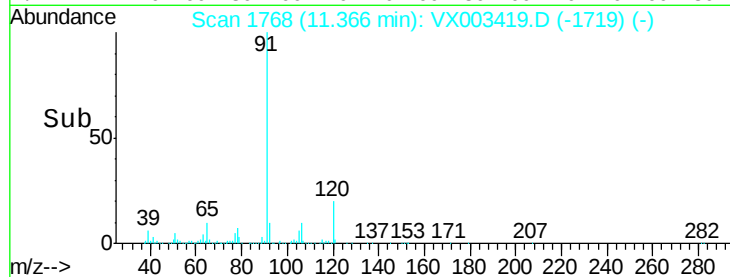
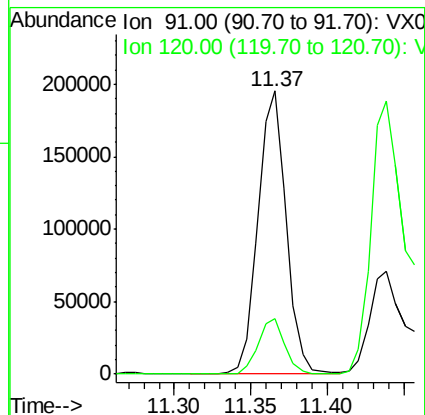
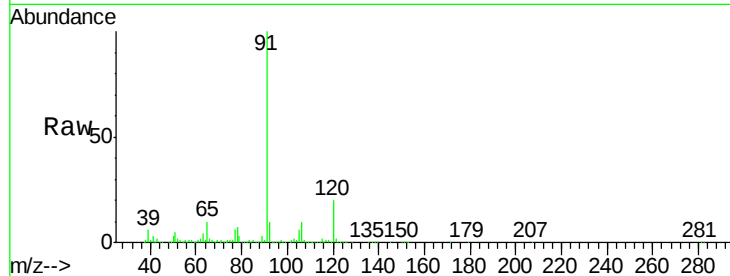
DRUM-1

Tot Ion: 91 Resp: 249238

Ion Ratio Lower Upper

91 100

120 18.7 11.8 35.4



#80

1,3,5-Trimethylbenzene

Concen: 23.70 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003419.D

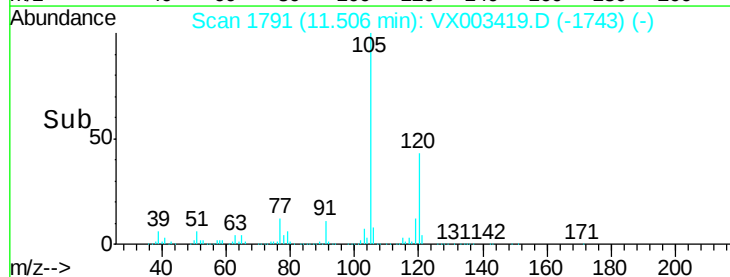
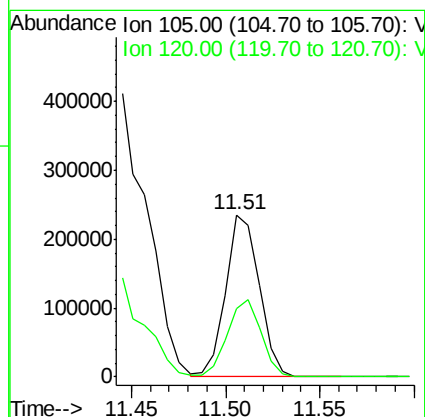
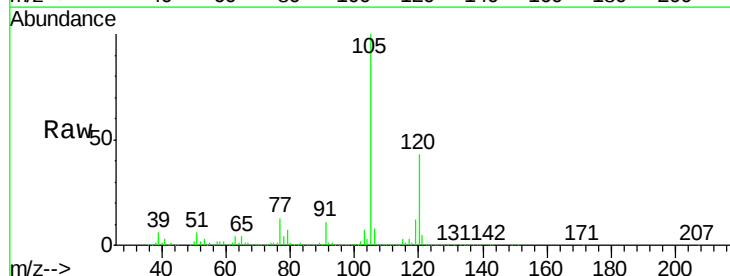
Acq: 17 Jul 2018 11:25

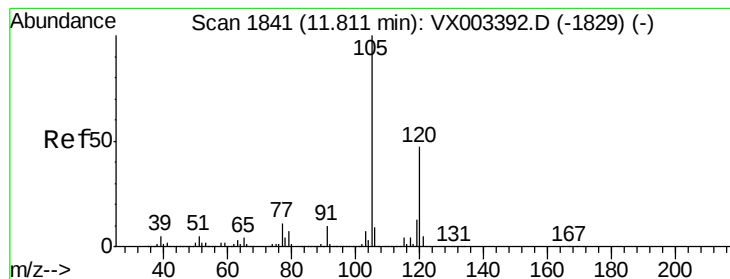
Tgt Ion: 105 Resp: 289558

Ion Ratio Lower Upper

105 100

120 48.3 24.4 73.4





#84

1,2,4-Trimethylbenzene

Concen: 97.29 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX003419.D

Acq: 17 Jul 2018 11:25

Instrument :

MSVOA_X

ClientSampled :

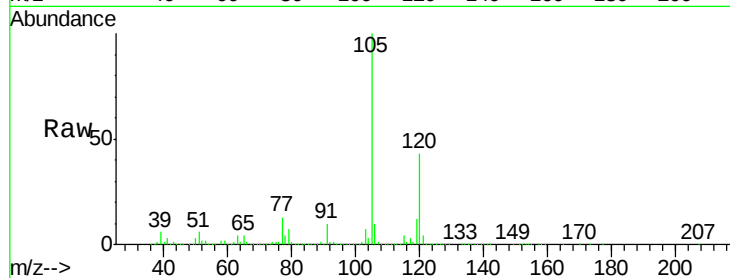
DRUM-1

Tot Ion:105 Resp: 1221284

Ion Ratio Lower Upper

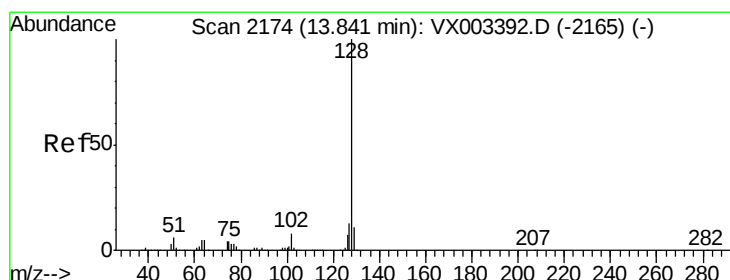
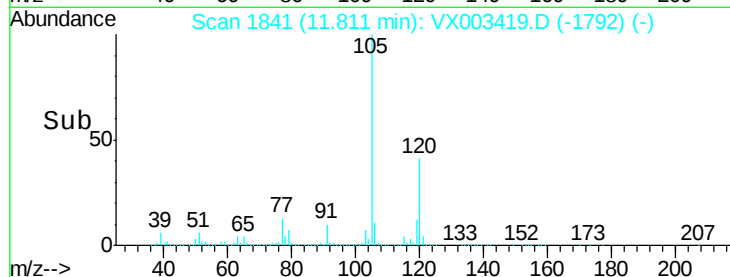
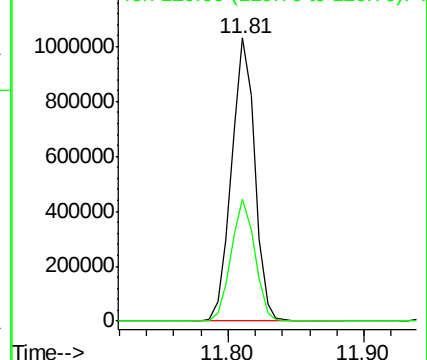
105 100

120 43.9 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 22.93 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003419.D

Acq: 17 Jul 2018 11:25

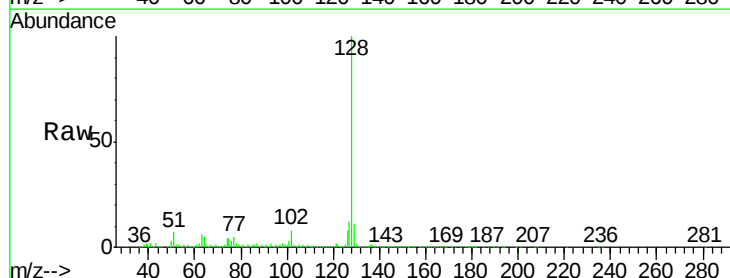
Tgt Ion:128 Resp: 351178

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 12.0 8.6 13.0



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

