

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012619\
 Data File : VX007246.D
 Acq On : 25 Jan 2019 22:55
 Operator : JC/SP
 Sample : K1015-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SU-04-012419-B

Quant Time: Jan 28 01:30:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

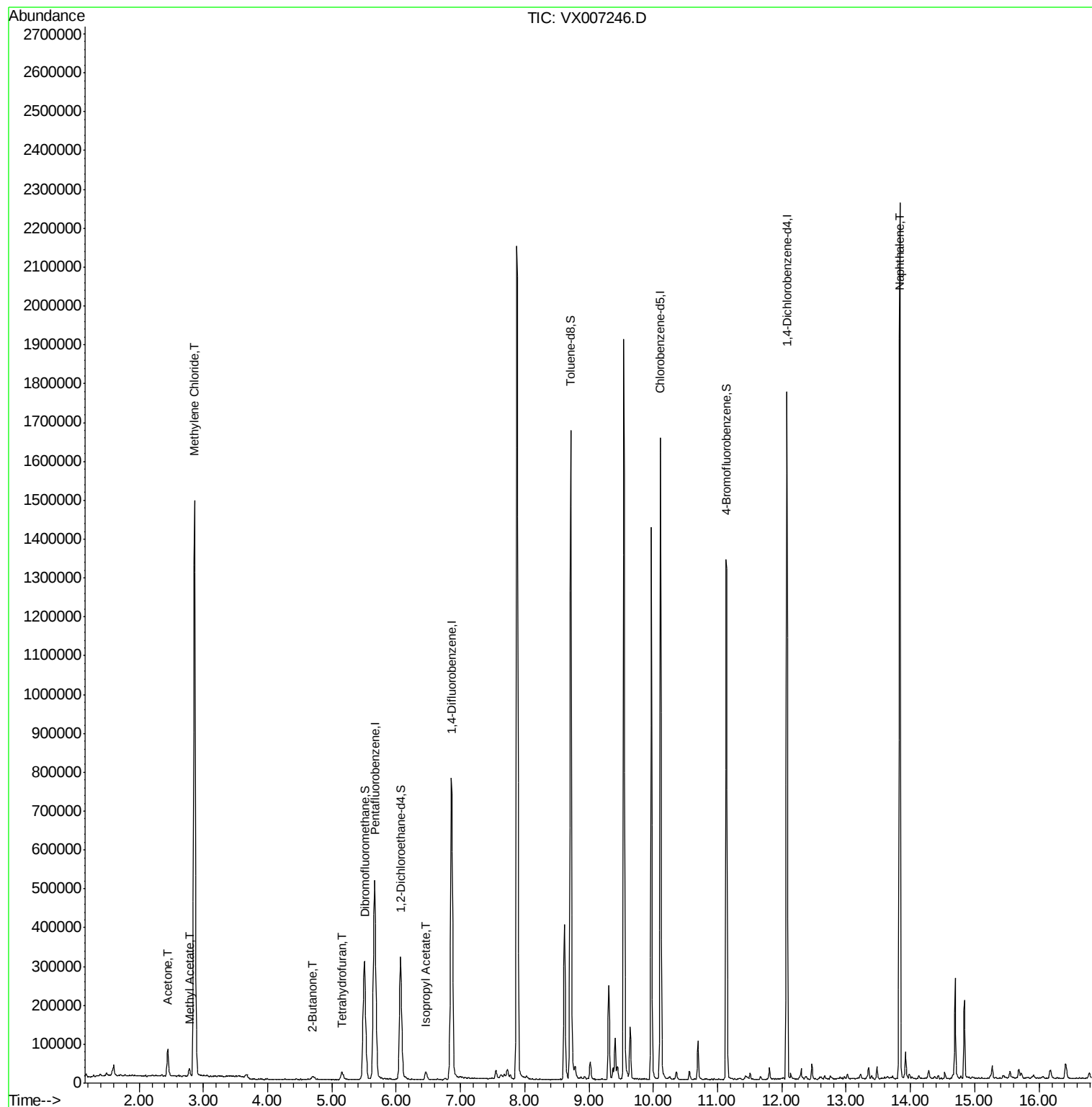
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	527492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	821355	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	793525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	378942	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	289524	52.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.04%	
35) Dibromofluoromethane	5.51	113	257174	48.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.78%	
50) Toluene-d8	8.71	98	998260	51.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.70%	
62) 4-Bromofluorobenzene	11.13	95	352602	52.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.06%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	74587	27.368	ug/l	91
18) Methyl Acetate	2.78	43	24843	3.148	ug/l	97
20) Methylene Chloride	2.86	84	689216	133.911	ug/l	95
25) 2-Butanone	4.70	43	15461	3.965	ug/l #	82
29) Tetrahydrofuran	5.16	42	15993	6.311	ug/l	91
43) Isopropyl Acetate	6.46	43	27289	2.260	ug/l	97
95) Naphthalene	13.83	128	1412277	51.727	ug/l	99

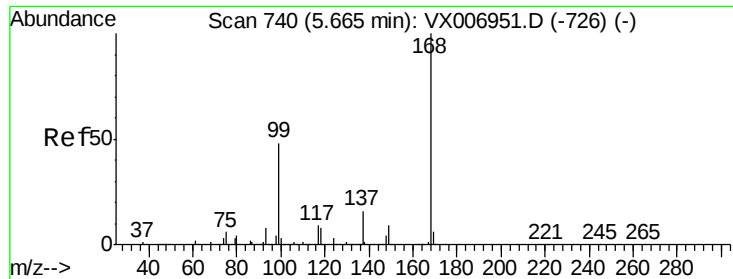
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007246.D

Acq: 25 Jan 2019 22:55

Instrument :

MSVOA_X

ClientSampleId :

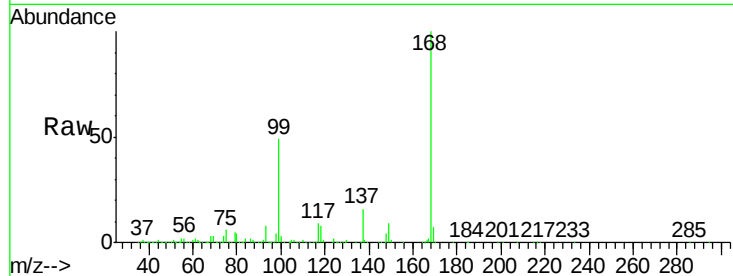
SU-04-012419-B

Tot Ion:168 Resp: 527492

Ion Ratio Lower Upper

168 100

99 49.0 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

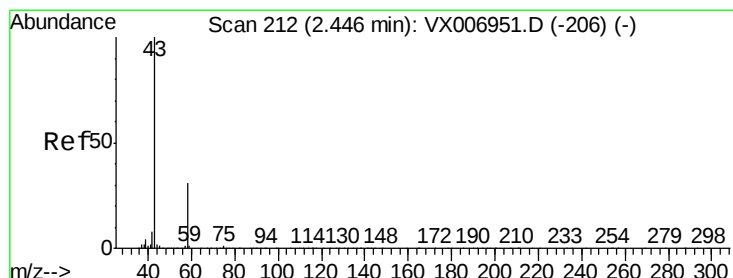
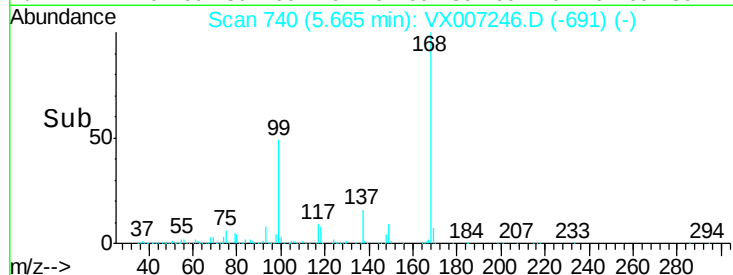
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 27.368 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007246.D

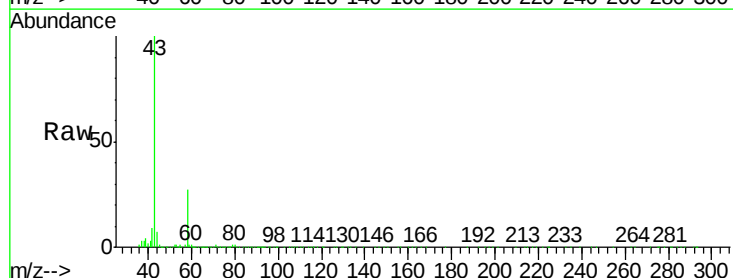
Acq: 25 Jan 2019 22:55

Tgt Ion: 43 Resp: 74587

Ion Ratio Lower Upper

43 100

58 26.5 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

50000

40000

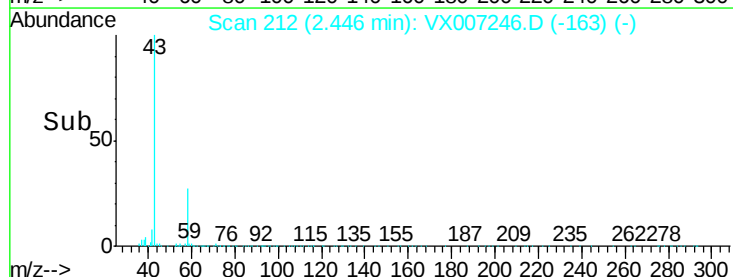
30000

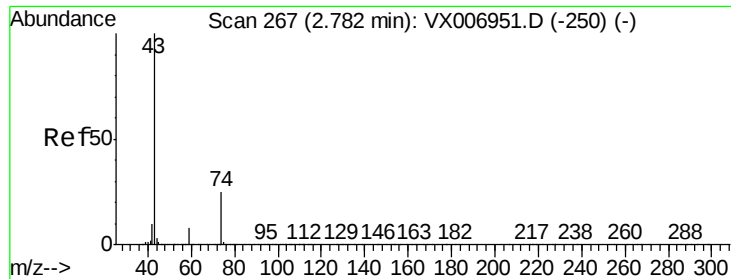
20000

10000

0

Time-->

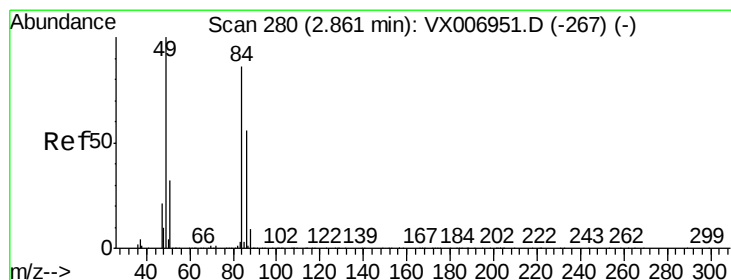
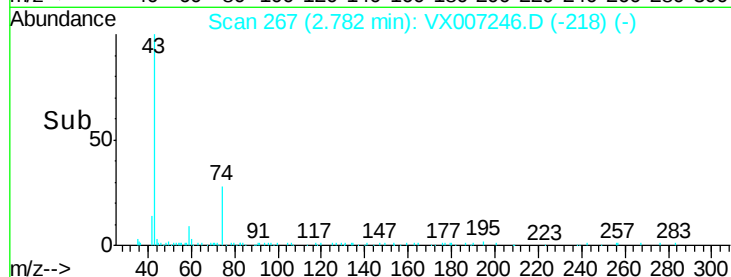
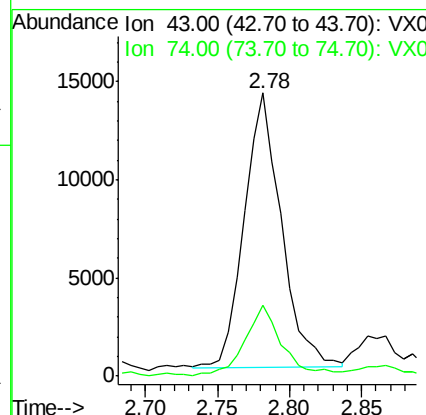
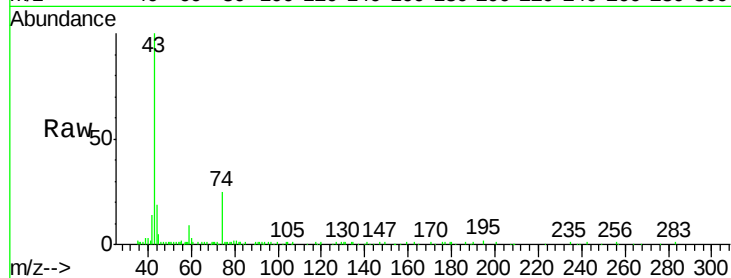




#18
Methyl Acetate
Concen: 3.148 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007246.D
Acq: 25 Jan 2019 22:55

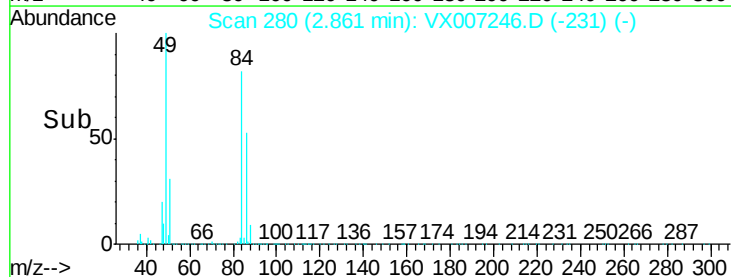
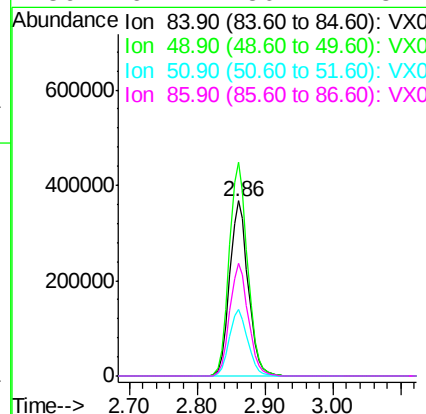
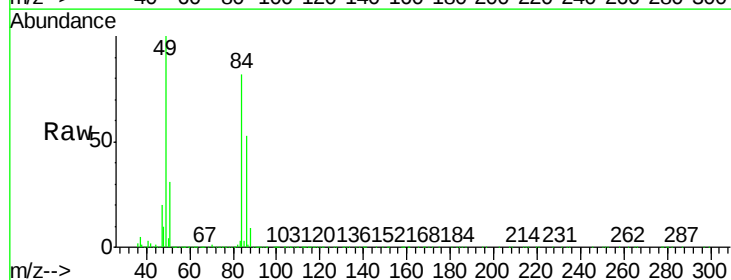
Instrument :
MSVOA_X
ClientSampleId :
SU-04-012419-B

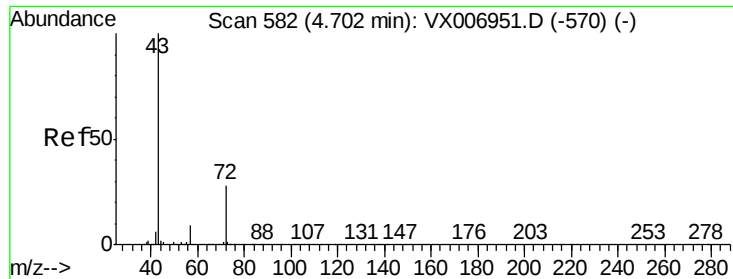
Tot Ion: 43 Resp: 24843
Ion Ratio Lower Upper
43 100
74 25.0 18.6 28.0



#20
Methylene Chloride
Concen: 133.911 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007246.D
Acq: 25 Jan 2019 22:55

Tgt Ion: 84 Resp: 689216
Ion Ratio Lower Upper
84 100
49 121.9 91.8 137.6
51 38.0 28.5 42.7
86 64.7 50.2 75.2





#25

2-Butanone

Concen: 3.965 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007246.D

Acq: 25 Jan 2019 22:55

Instrument :

MSVOA_X

ClientSampleId :

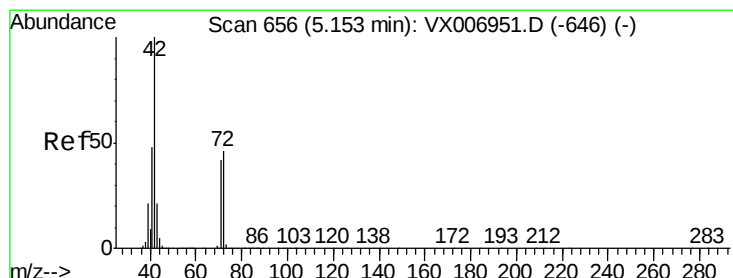
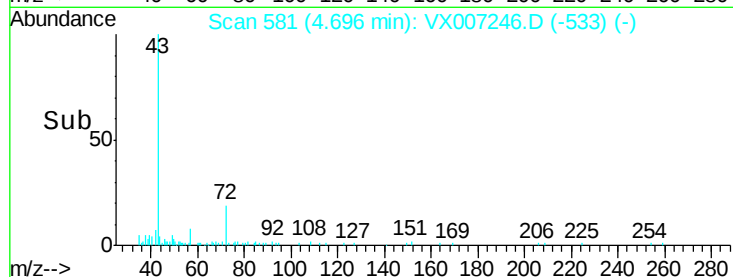
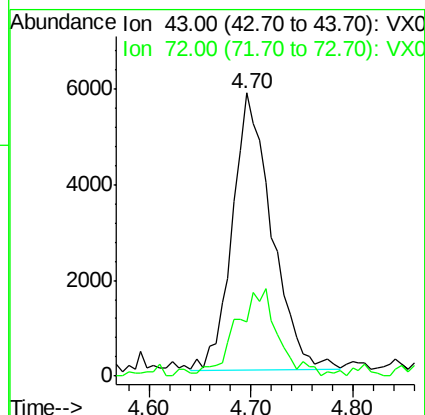
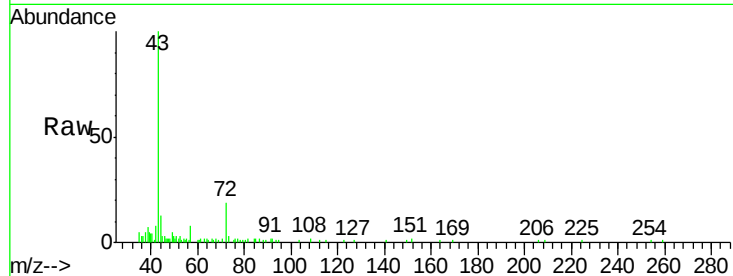
SU-04-012419-B

Tot Ion: 43 Resp: 15461

Ion Ratio Lower Upper

43 100

72 18.6 22.4 33.6#



#29

Tetrahydrofuran

Concen: 6.311 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007246.D

Acq: 25 Jan 2019 22:55

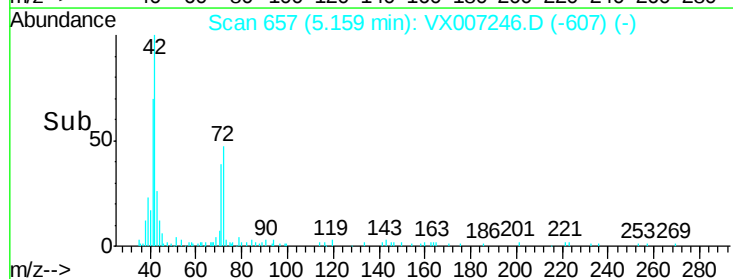
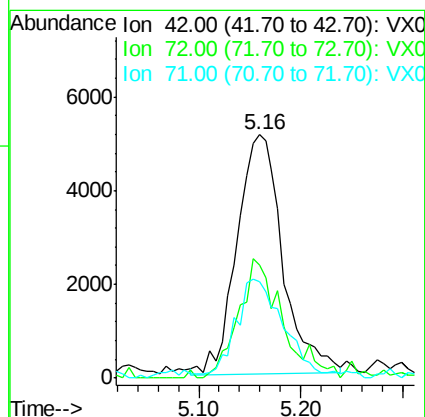
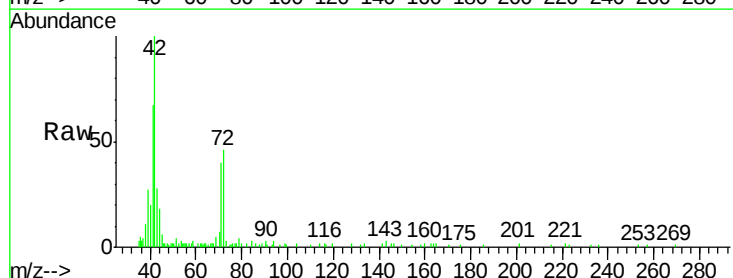
Tgt Ion: 42 Resp: 15993

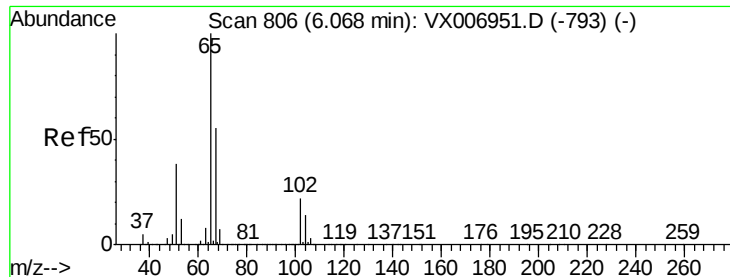
Ion Ratio Lower Upper

42 100

72 43.3 38.9 58.3

71 39.0 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 52.519 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007246.D

Acq: 25 Jan 2019 22:55

Instrument :

MSVOA_X

ClientSampleId :

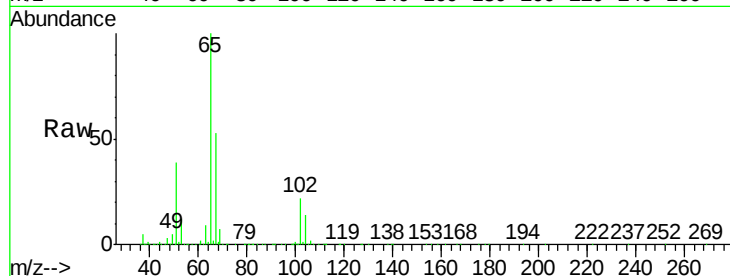
SU-04-012419-B

Tot Ion: 65 Resp: 289524

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

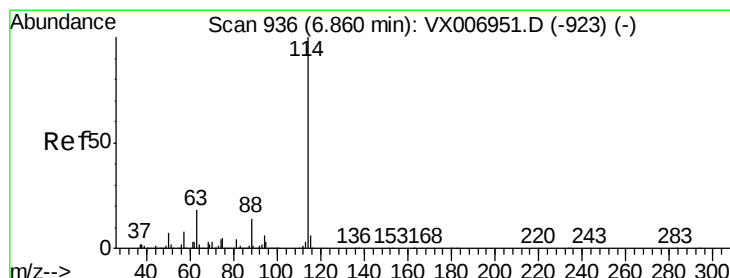
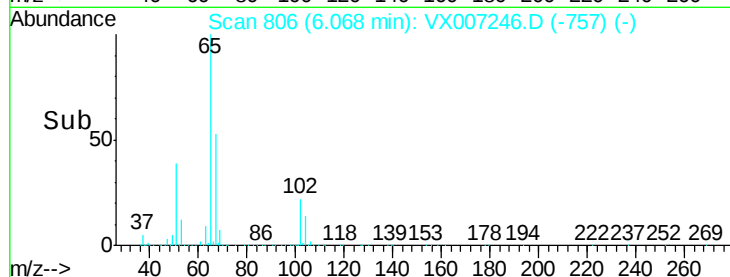
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007246.D

Acq: 25 Jan 2019 22:55

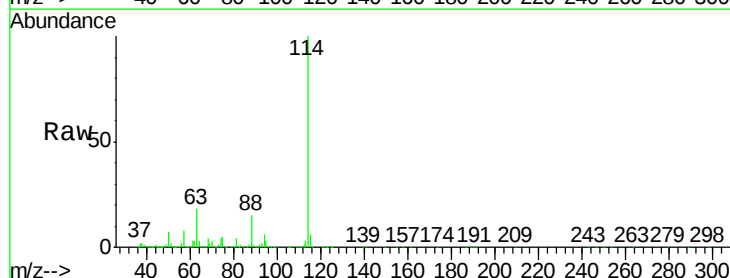
Tgt Ion: 114 Resp: 821355

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.8

88 14.8 0.0 28.8



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

6.86

400000

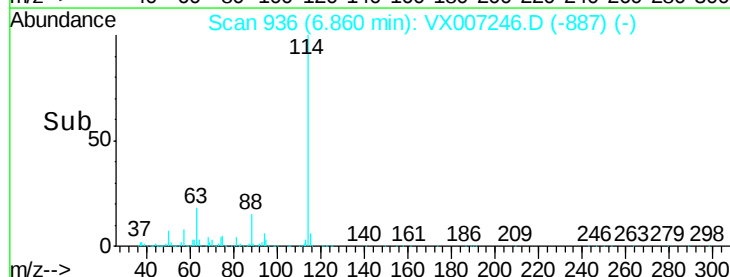
300000

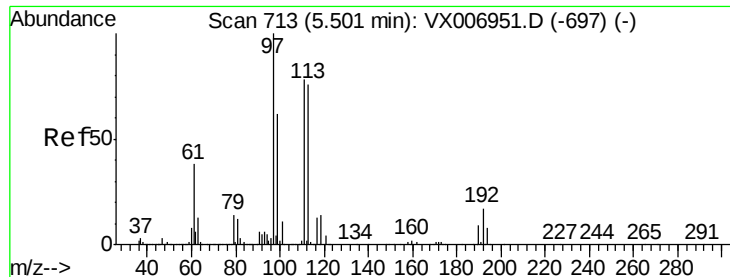
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.893 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007246.D

Acq: 25 Jan 2019 22:55

Instrument :

MSVOA_X

ClientSampleId :

SU-04-012419-B

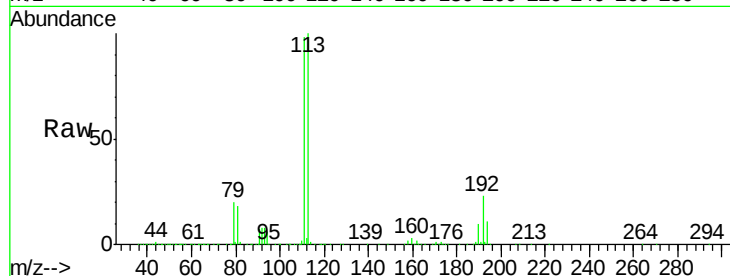
Tot Ion:113 Resp: 257174

Ion Ratio Lower Upper

113 100

111 101.6 81.6 122.4

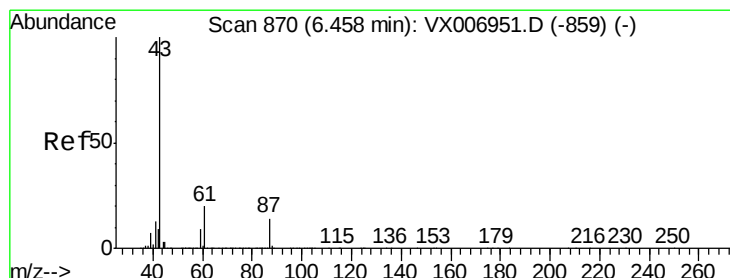
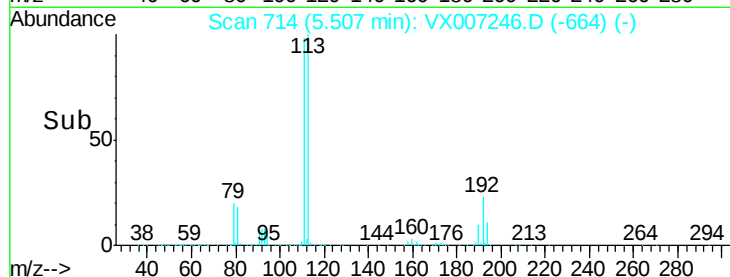
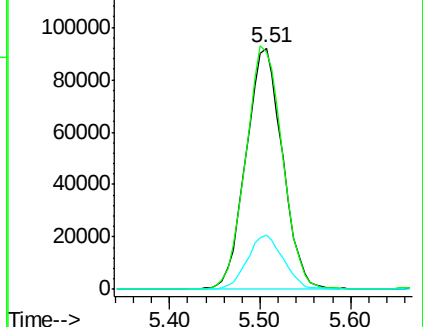
192 22.4 16.7 25.1



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



#43

Isopropyl Acetate

Concen: 2.260 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX007246.D

Acq: 25 Jan 2019 22:55

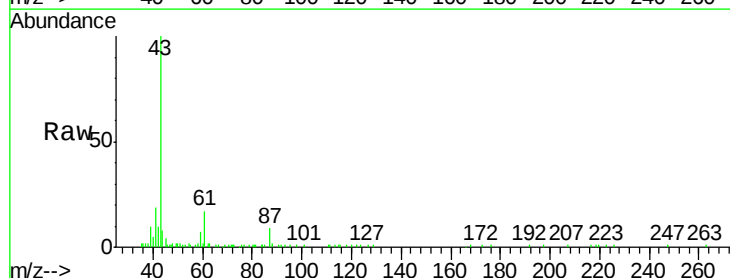
Tgt Ion: 43 Resp: 27289

Ion Ratio Lower Upper

43 100

61 23.0 16.8 25.2

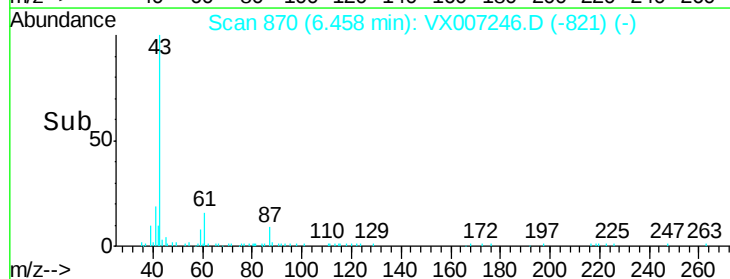
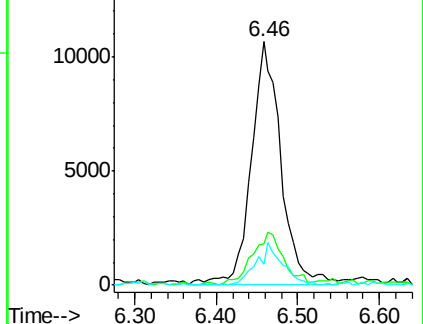
87 15.2 12.4 18.6

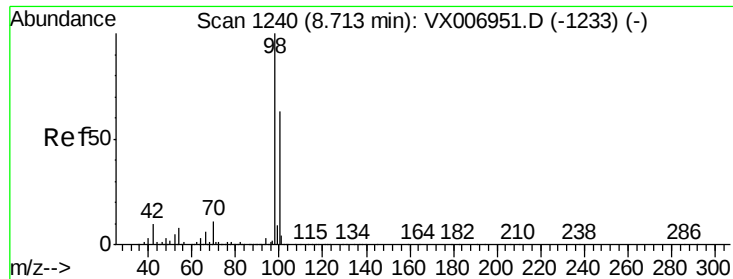


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 51.850 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007246.D

Acq: 25 Jan 2019 22:55

Instrument :

MSVOA_X

ClientSampleId :

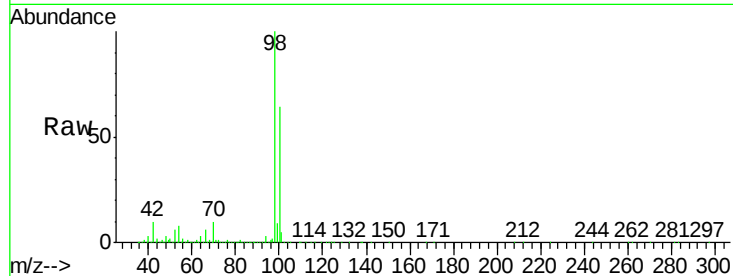
SU-04-012419-B

Tot Ion: 98 Resp: 998260

Ion Ratio Lower Upper

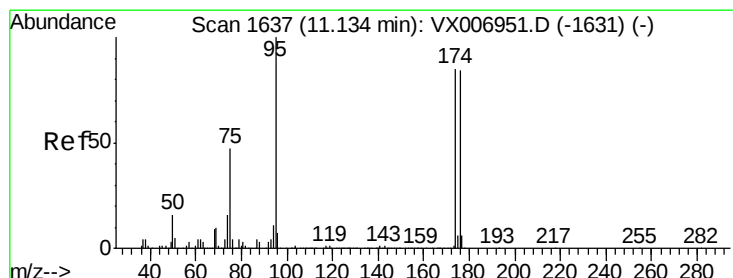
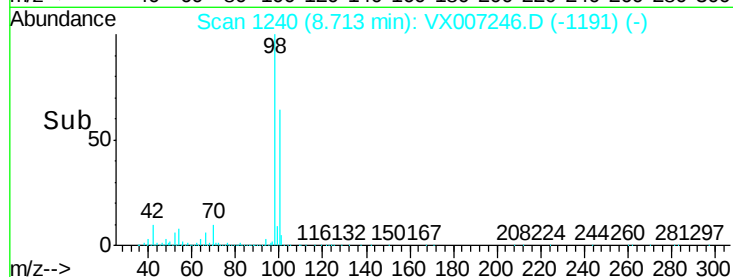
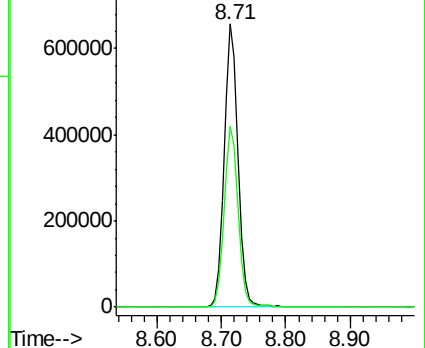
98 100

100 64.5 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 52.533 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007246.D

Acq: 25 Jan 2019 22:55

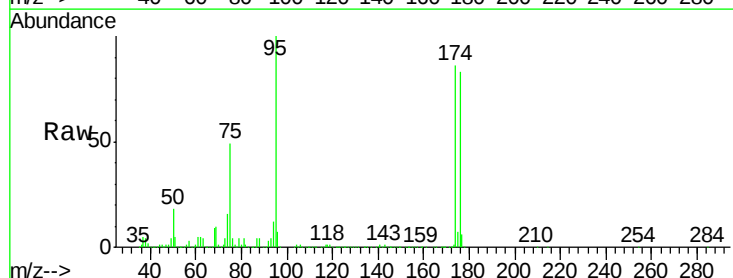
Tgt Ion: 95 Resp: 352602

Ion Ratio Lower Upper

95 100

174 93.4 0.0 182.2

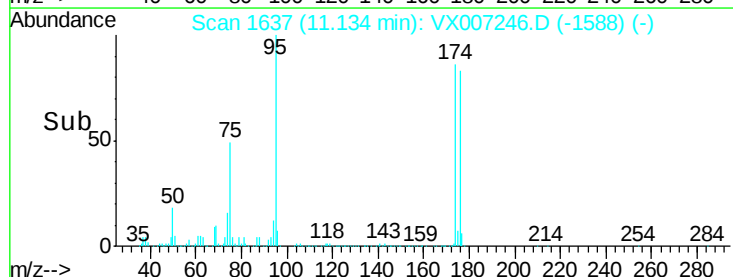
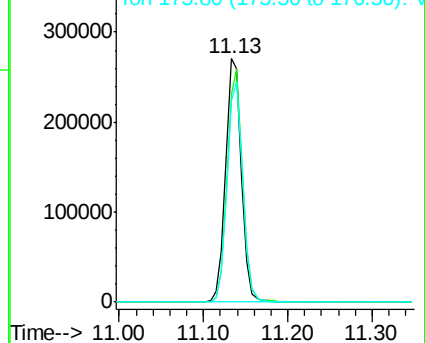
176 90.0 0.0 178.8

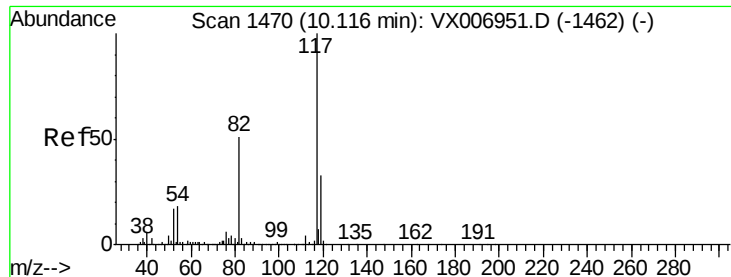


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX007246.D

Acq: 25 Jan 2019 22:55

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SU-04-012419-B

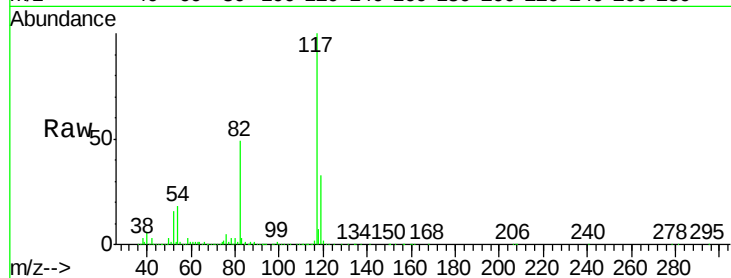
Tot Ion:117 Resp: 793525

Ion Ratio Lower Upper

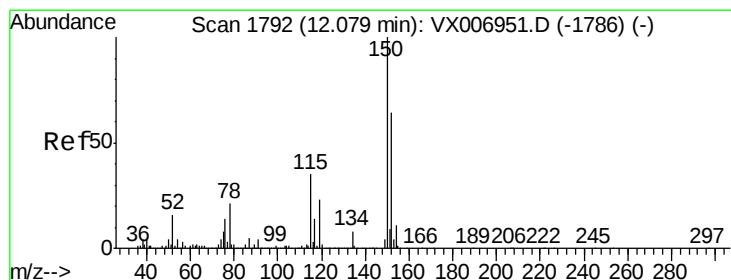
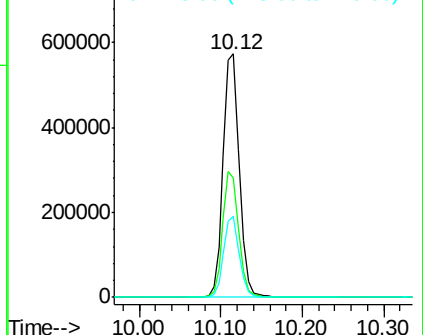
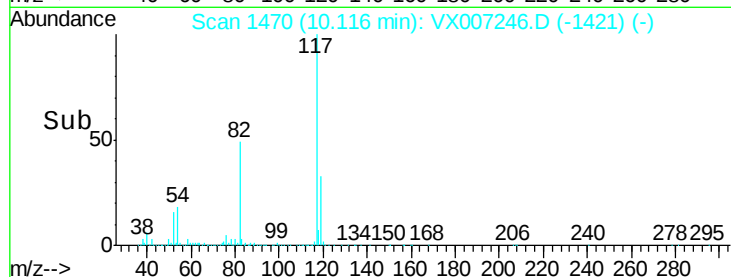
117 100

82 49.3 41.0 61.6

119 33.2 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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007246.D

Acq: 25 Jan 2019 22:55

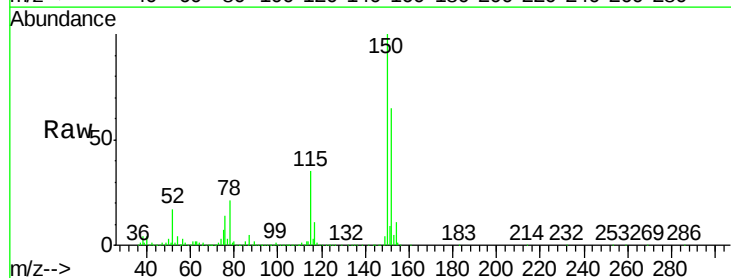
Tgt Ion:152 Resp: 378942

Ion Ratio Lower Upper

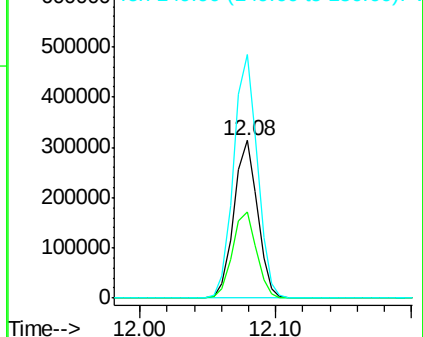
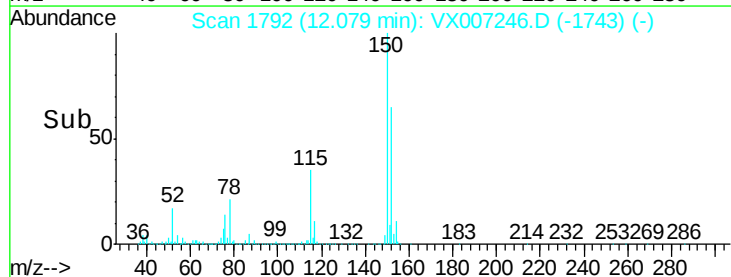
152 100

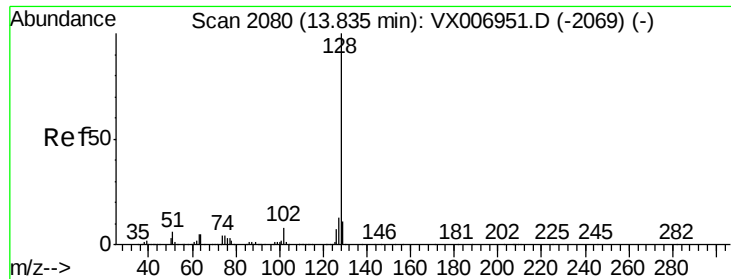
115 56.0 39.1 117.2

150 155.8 0.0 344.8



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





#95

Naphthalene

Concen: 51.727 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007246.D

Acq: 25 Jan 2019 22:55

Instrument :

MSVOA_X

ClientSampleId :

SU-04-012419-B

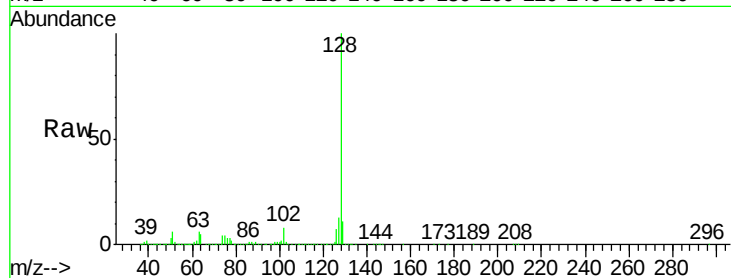
Tot Ion:128 Resp: 1412277

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

129 10.9 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

