

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061620\
 Data File : VX016806.D
 Acq On : 17 Jun 2020 02:50
 Operator : JC/SP
 Sample : L2999-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31030

Quant Time: Jun 17 07:06:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 16 02:02:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	302786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	508481	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	504238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	241218	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	168660	49.52	ug/l	0.01
Spiked Amount			Recovery	=	99.04%	
35) Dibromofluoromethane	5.49	113	142632	45.46	ug/l	0.02
Spiked Amount			Recovery	=	90.92%	
50) Toluene-d8	8.70	98	543114	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
62) 4-Bromofluorobenzene	11.12	95	225367	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	

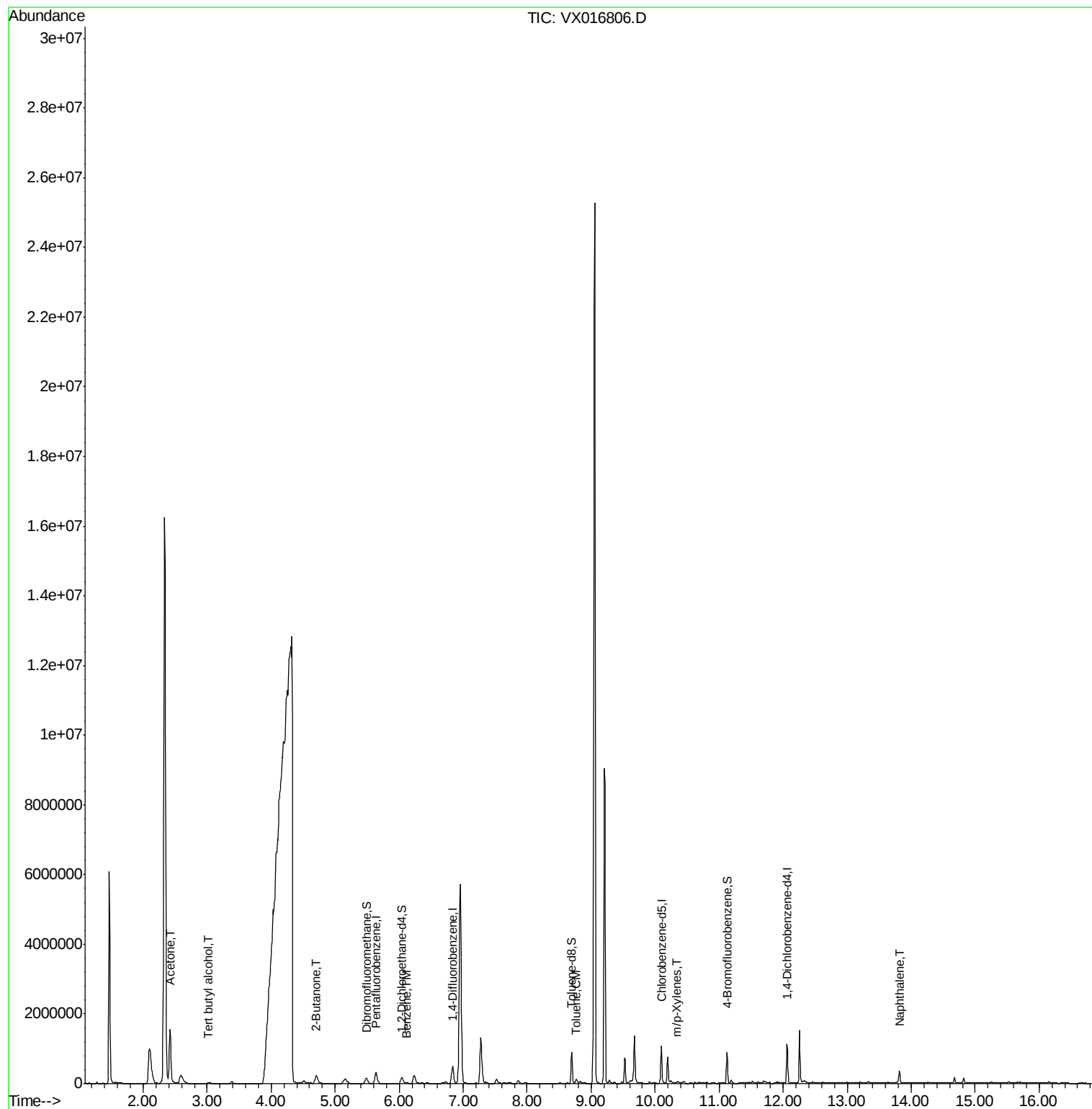
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	47796	55.863	ug/l	98
16) Acetone	2.42	43	1445306	935.551	ug/l #	84
25) 2-Butanone	4.71	43	410286	176.218	ug/l	98
40) Benzene	6.12	78	20146	1.472	ug/l	97
52) Toluene	8.77	92	24157	2.718	ug/l	99
68) m/p-Xylenes	10.34	106	10162	1.550	ug/l	92
95) Naphthalene	13.82	128	213986	12.909	ug/l	99

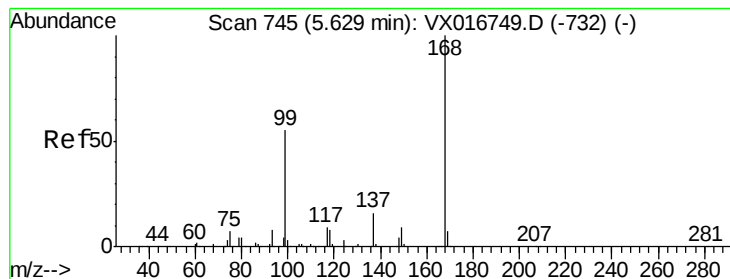
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016806.D

Acq: 17 Jun 2020 02:50

Instrument :

MSVOA_X

ClientSampleId :

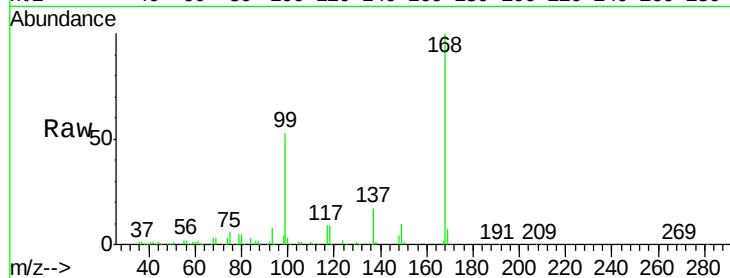
31030

Tot Ion:168 Resp: 302786

Ion Ratio Lower Upper

168 100

99 53.4 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

60000

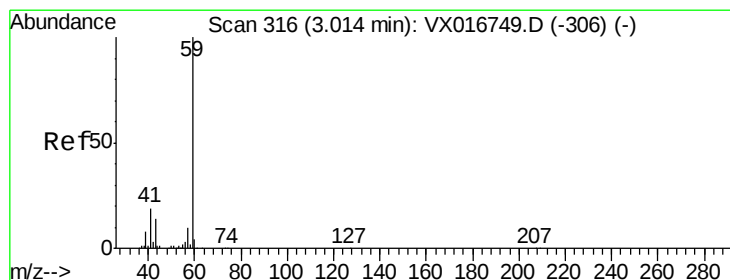
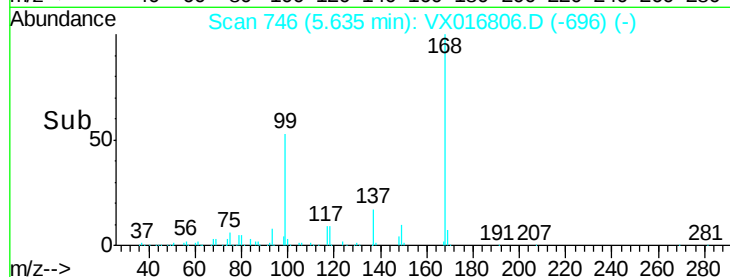
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 55.863 ug/l

RT: 3.02 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX016806.D

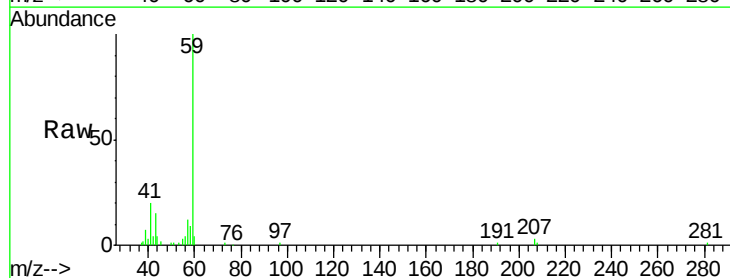
Acq: 17 Jun 2020 02:50

Tgt Ion: 59 Resp: 47796

Ion Ratio Lower Upper

59 100

57 11.1 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

12000

10000

8000

6000

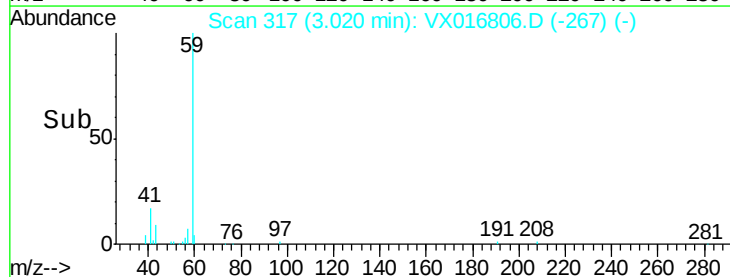
4000

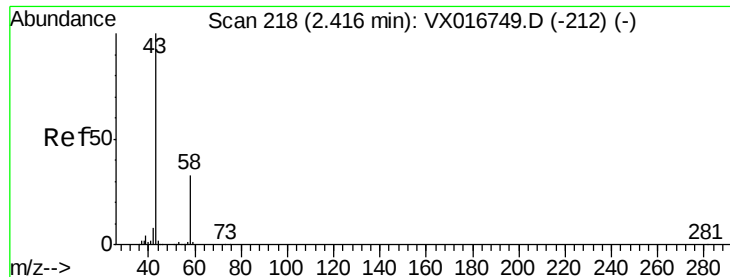
2000

0

Time-->

2.90 3.00 3.10 3.20

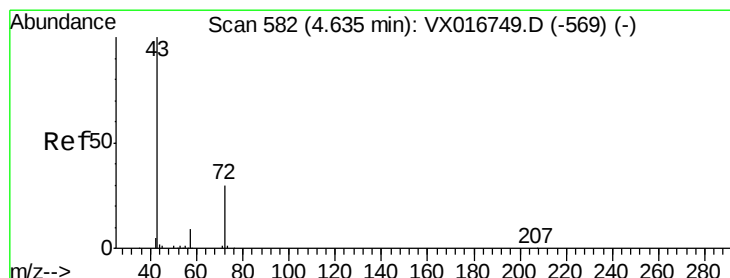
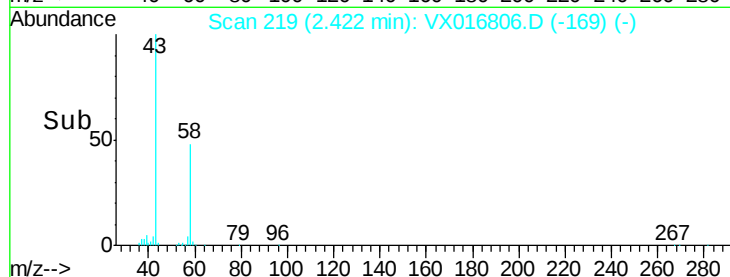
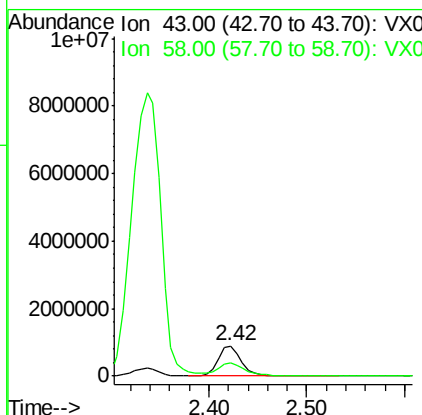
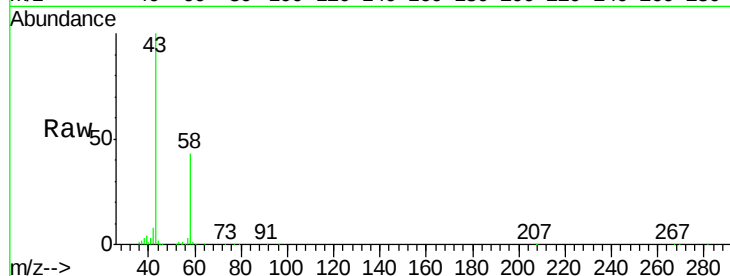




#16
Acetone
Concen: 935.551 ug/l
RT: 2.42 min Scan# 219
Delta R.T. 0.01 min
Lab File: VX016806.D
Acq: 17 Jun 2020 02:50

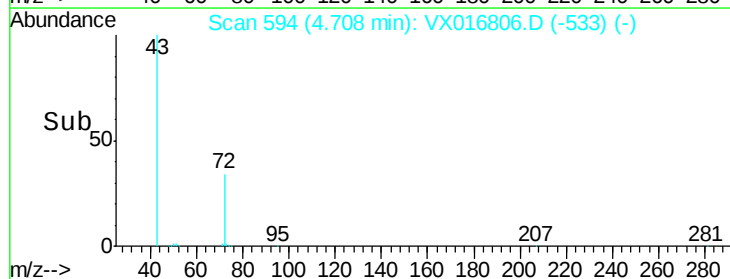
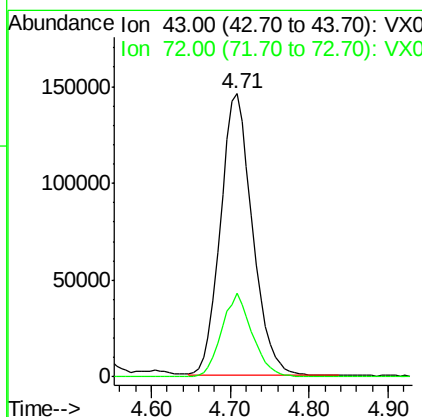
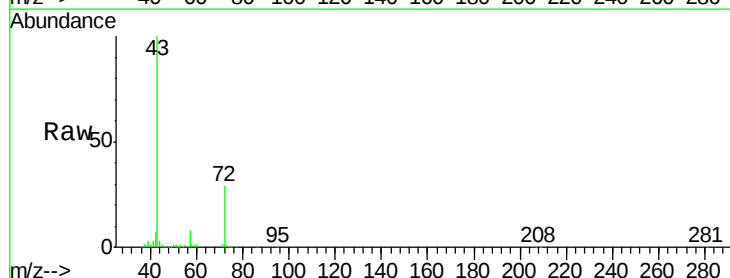
Instrument :
MSVOA_X
ClientSampleId :
31030

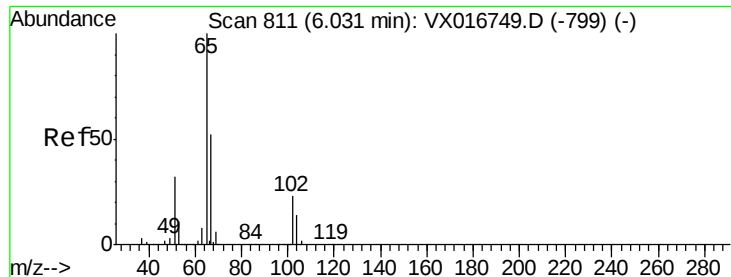
Tot Ion: 43 Resp: 1445306
Ion Ratio Lower Upper
43 100
58 42.1 26.3 39.5#



#25
2-Butanone
Concen: 176.218 ug/l
RT: 4.71 min Scan# 594
Delta R.T. 0.07 min
Lab File: VX016806.D
Acq: 17 Jun 2020 02:50

Tgt Ion: 43 Resp: 410286
Ion Ratio Lower Upper
43 100
72 29.5 24.2 36.4





#33

1,2-Dichloroethane-d4

Concen: 49.525 ug/l

RT: 6.04 min Scan# 813

Delta R.T. 0.01 min

Lab File: VX016806.D

Acq: 17 Jun 2020 02:50

Instrument :

MSVOA_X

ClientSampleId :

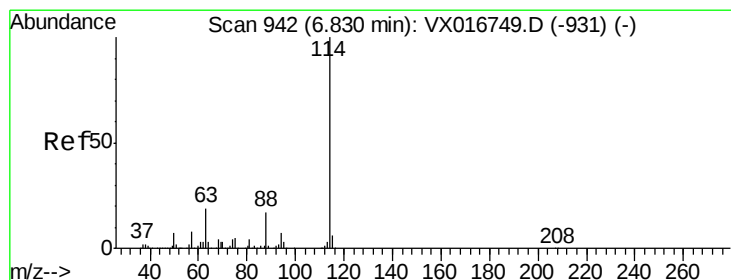
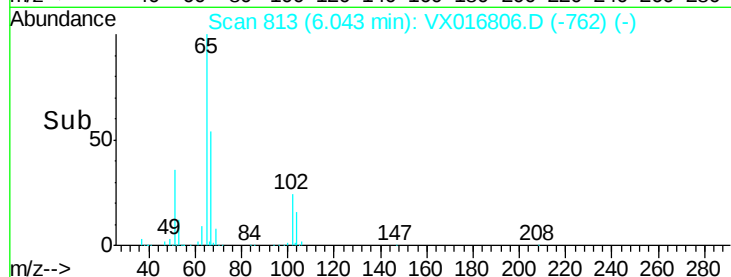
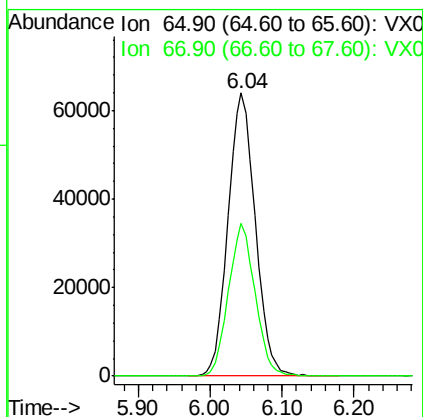
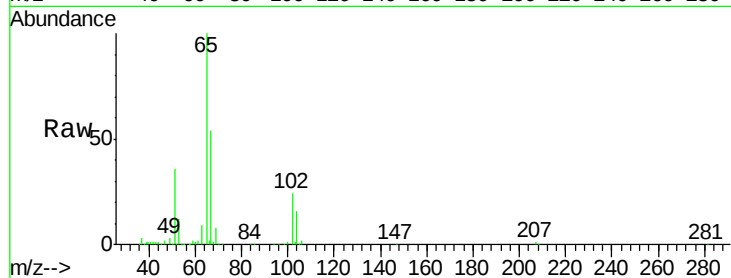
31030

Tot Ion: 65 Resp: 168660

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016806.D

Acq: 17 Jun 2020 02:50

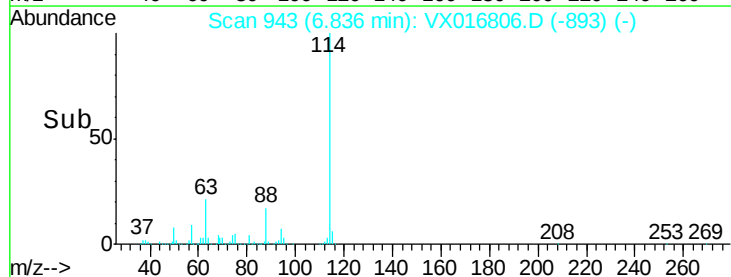
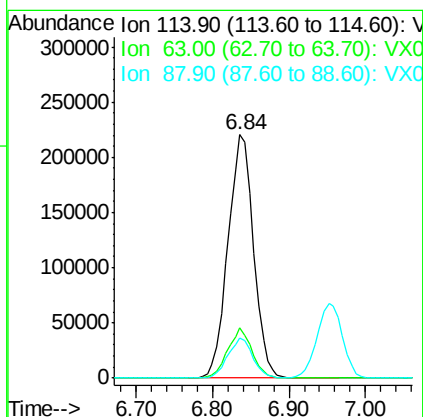
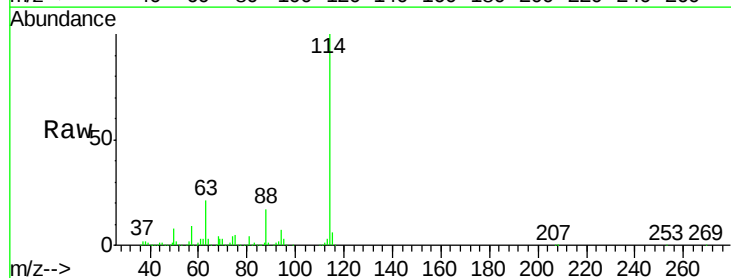
Tgt Ion: 114 Resp: 508481

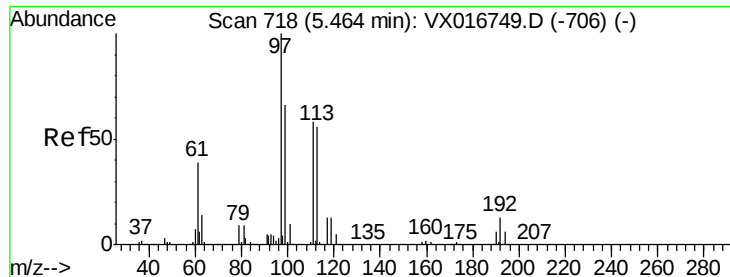
Ion Ratio Lower Upper

114 100

63 20.8 0.0 38.8

88 16.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 45.464 ug/l

RT: 5.49 min Scan# 722

Delta R.T. 0.02 min

Lab File: VX016806.D

Acq: 17 Jun 2020 02:50

Instrument :

MSVOA_X

ClientSampleId :

31030

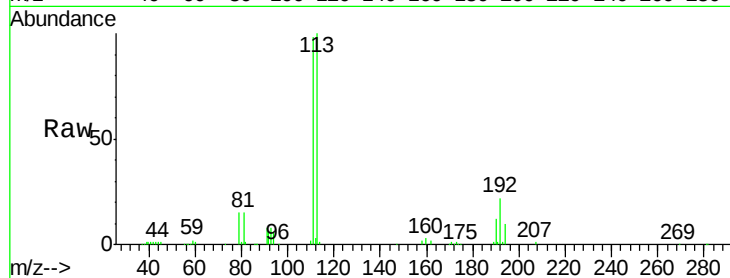
Tot Ion:113 Resp: 142632

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.6

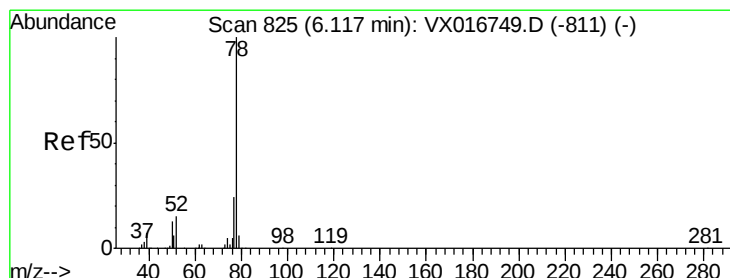
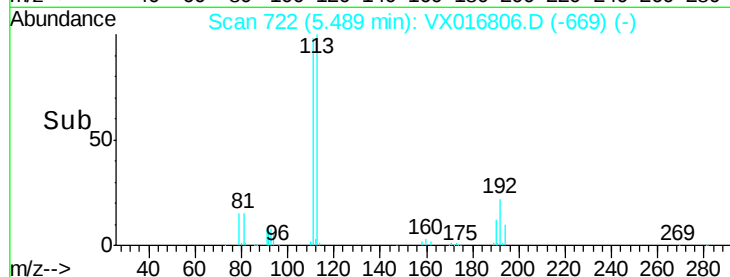
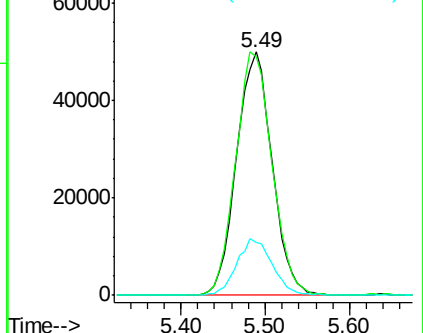
192 23.0 18.2 27.4



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



#40

Benzene

Concen: 1.472 ug/l

RT: 6.12 min Scan# 825

Delta R.T. -0.00 min

Lab File: VX016806.D

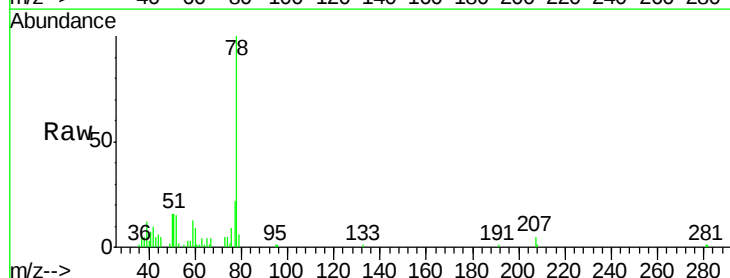
Acq: 17 Jun 2020 02:50

Tgt Ion: 78 Resp: 20146

Ion Ratio Lower Upper

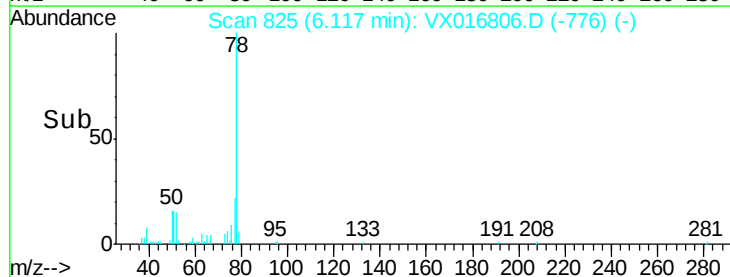
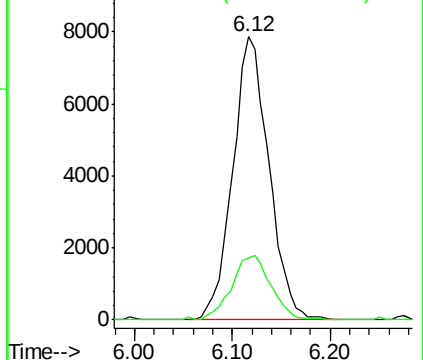
78 100

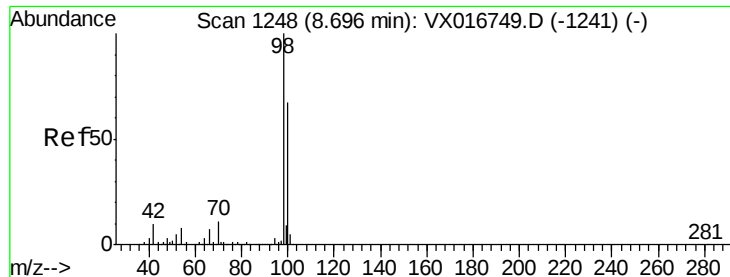
77 22.0 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

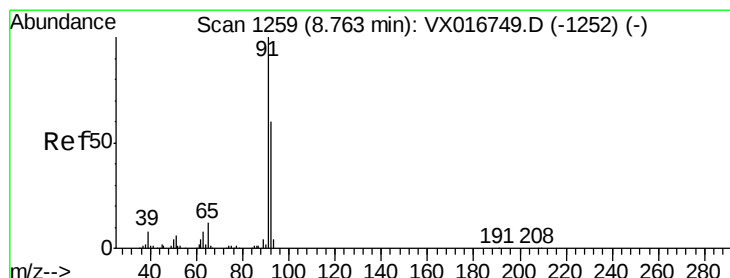
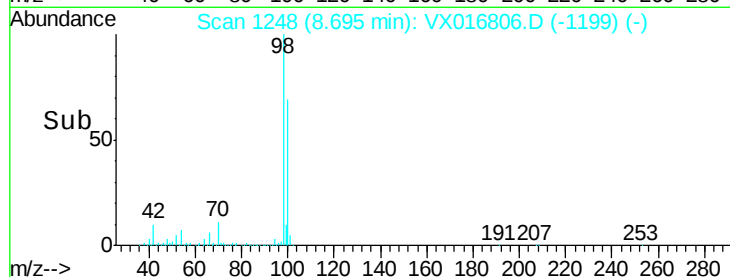
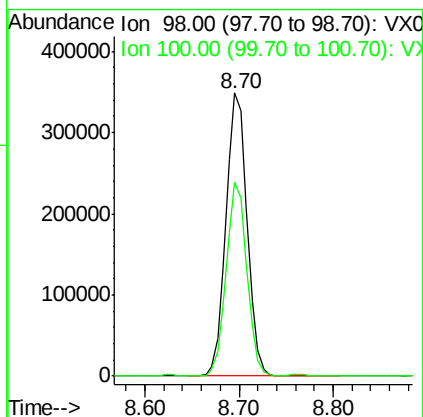
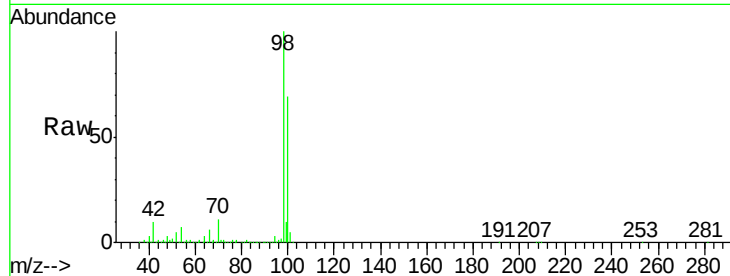




#50
Toluene-d8
Concen: 46.950 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016806.D
Acq: 17 Jun 2020 02:50

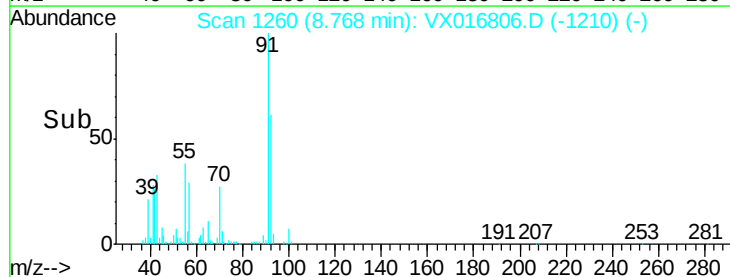
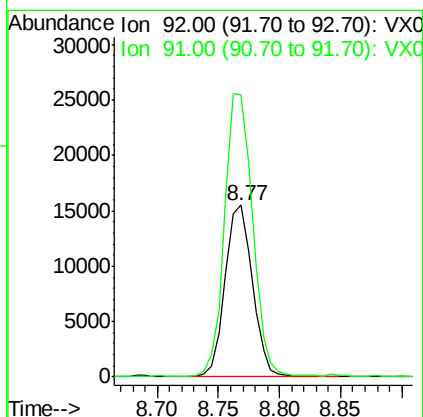
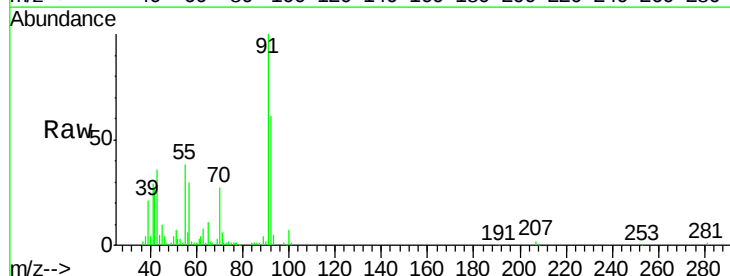
Instrument :
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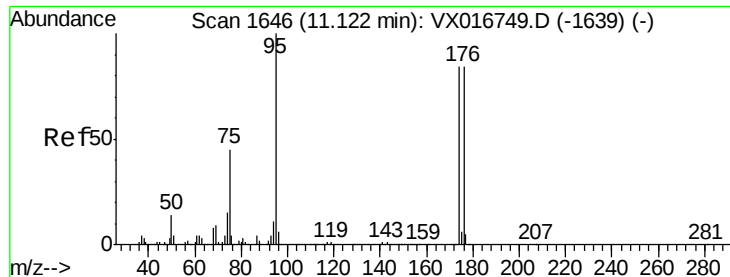
Tot Ion: 98 Resp: 543114
Ion Ratio Lower Upper
98 100
100 66.7 53.9 80.9



#52
Toluene
Concen: 2.718 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VX016806.D
Acq: 17 Jun 2020 02:50

Tgt Ion: 92 Resp: 24157
Ion Ratio Lower Upper
92 100
91 168.9 136.1 204.1





#62

4-Bromofluorobenzene

Concen: 50.934 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016806.D

Acq: 17 Jun 2020 02:50

Instrument :

MSVOA_X

ClientSampleId :

31030

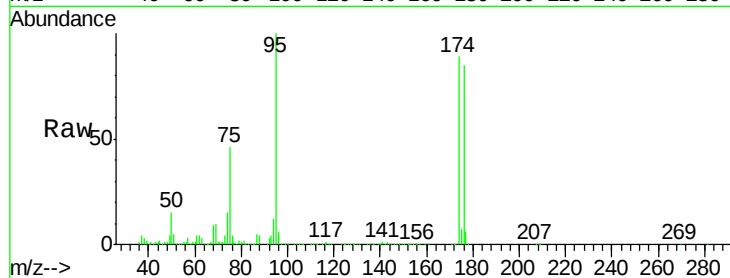
Tot Ion: 95 Resp: 225367

Ion Ratio Lower Upper

95 100

174 88.0 0.0 171.0

176 85.1 0.0 166.2



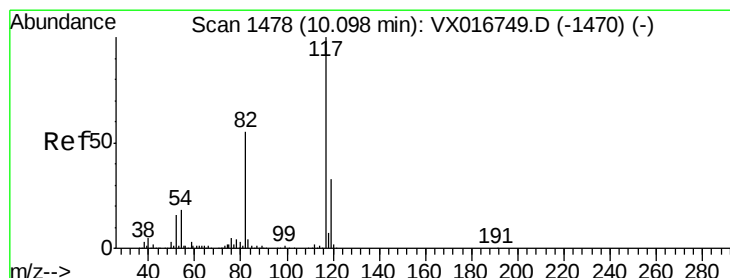
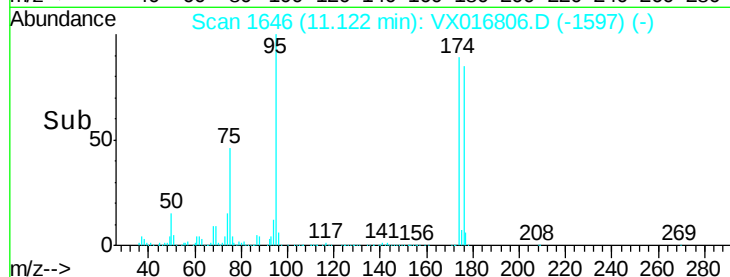
Abundance Ion 94.90 (94.60 to 95.60): VX016749.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX016749.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX016749.D (-1639) (-)

11.12

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016806.D

Acq: 17 Jun 2020 02:50

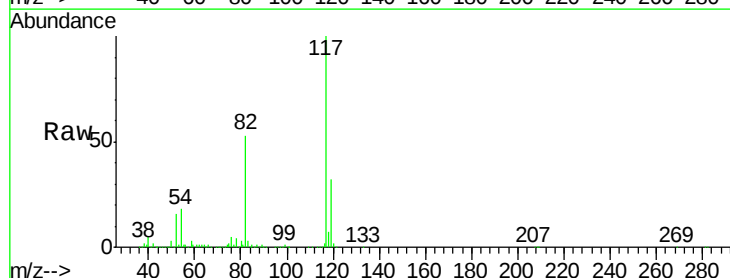
Tgt Ion: 117 Resp: 504238

Ion Ratio Lower Upper

117 100

82 53.2 43.8 65.6

119 31.6 26.2 39.4



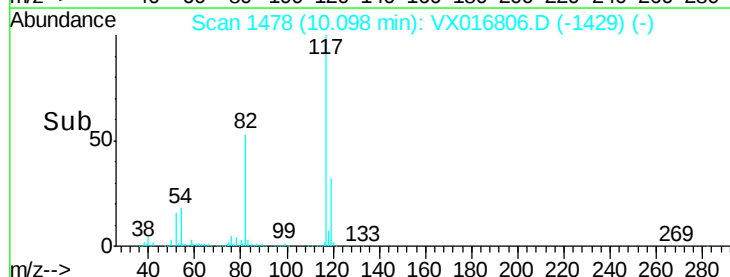
Abundance Ion 116.90 (116.60 to 117.60): VX016749.D (-1470) (-)

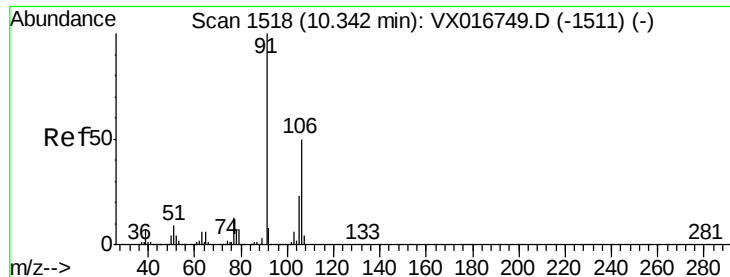
Ion 82.00 (81.70 to 82.70): VX016749.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX016749.D (-1470) (-)

10.10

Time-->





#68

m/p-Xvlenes

Concen: 1.550 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016806.D

Acq: 17 Jun 2020 02:50

Instrument :

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ClientSampleId :

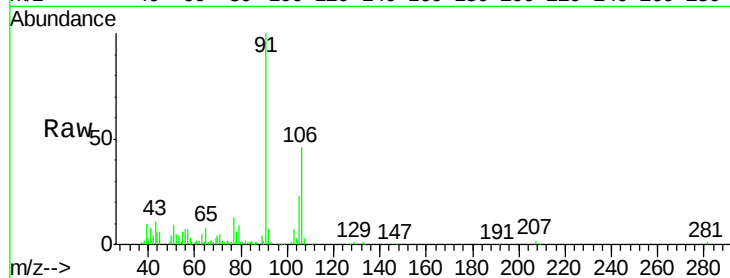
31030

Tot Ion:106 Resp: 10162

Ion Ratio Lower Upper

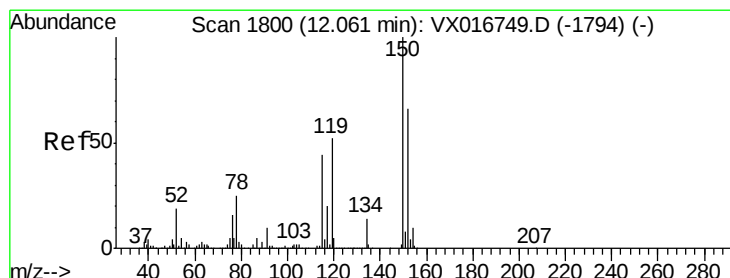
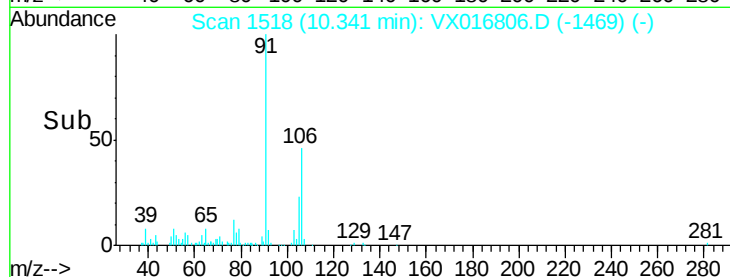
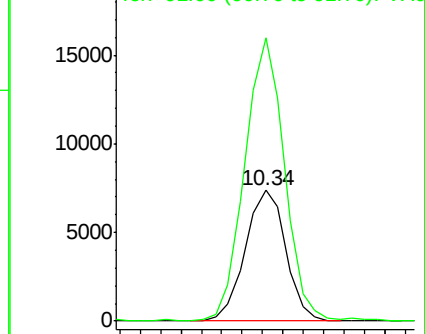
106 100

91 214.3 161.2 241.8



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: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016806.D

Acq: 17 Jun 2020 02:50

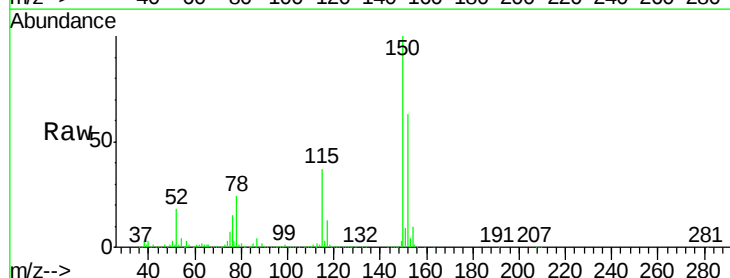
Tgt Ion:152 Resp: 241218

Ion Ratio Lower Upper

152 100

115 58.2 40.3 120.8

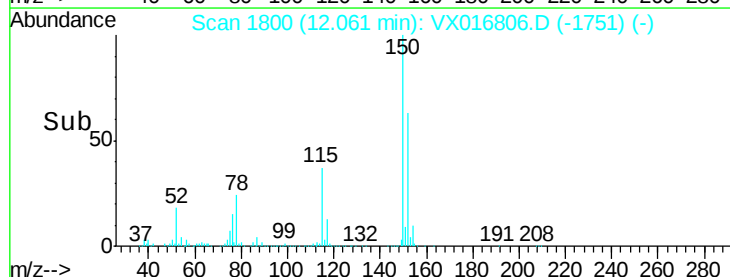
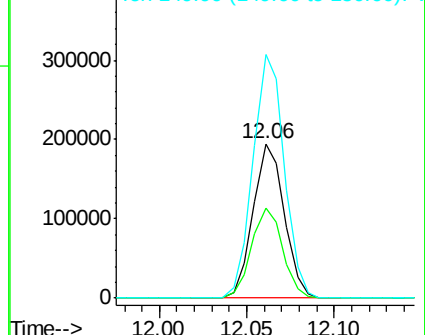
150 158.4 0.0 337.4

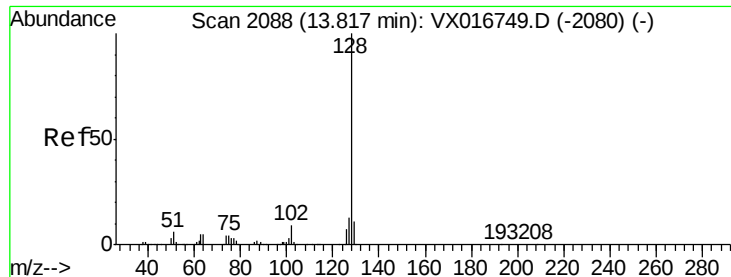


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#95

Naphthalene

Concen: 12.909 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016806.D

Acq: 17 Jun 2020 02:50

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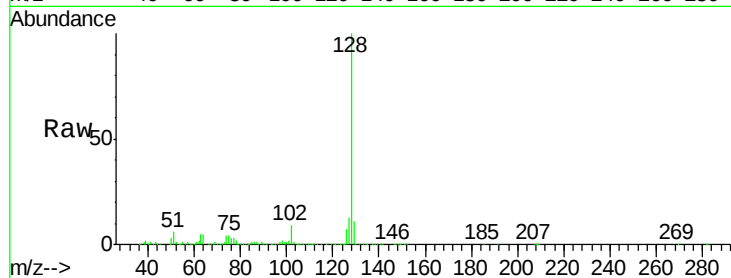
Tot Ion:128 Resp: 213986

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 10.9 8.8 13.2



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

