

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080518\
 Data File : VX003862.D
 Acq On : 03 Aug 2018 21:22
 Operator : JC/MD
 Sample : J4263-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0519

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 10:47:52 AM

Quant Time: Aug 04 01:29:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 03 01:55:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	81972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	118363	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	111018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	63617	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	48979	45.30	ug/l	0.00
Spiked Amount			Recovery	=	90.60%	
35) Dibromofluoromethane	5.51	113	43049	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	
50) Toluene-d8	8.72	98	171638	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
62) 4-Bromofluorobenzene	11.14	95	60350	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.59	56	1487	1.08	ug/l #	77
39) Methylcyclohexane	7.46	83	1913	1.38	ug/l #	86
40) Benzene	6.15	78	6762	1.72	ug/l	97
67) Ethyl Benzene	10.26	91	243720	55.71	ug/l	99
68) m/p-Xylenes	10.36	106	95306	55.74	ug/l	99
69) o-Xylene	10.70	106	1562	0.95	ug/l	98
73) Isopropylbenzene	11.02	105	21538	5.28	ug/l	99
78) n-propylbenzene	11.36	91	37938	8.22	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	33511	9.79	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	290923	82.17	ug/l	99
85) sec-Butylbenzene	11.94	105	5659m	1.42	ug/l	
86) p-Isopropyltoluene	12.07	119	4536	1.26	ug/l	96
89) n-Butylbenzene	12.39	91	5746	1.86	ug/l #	25
95) Naphthalene	13.83	128	32527	7.13	ug/l #	95

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

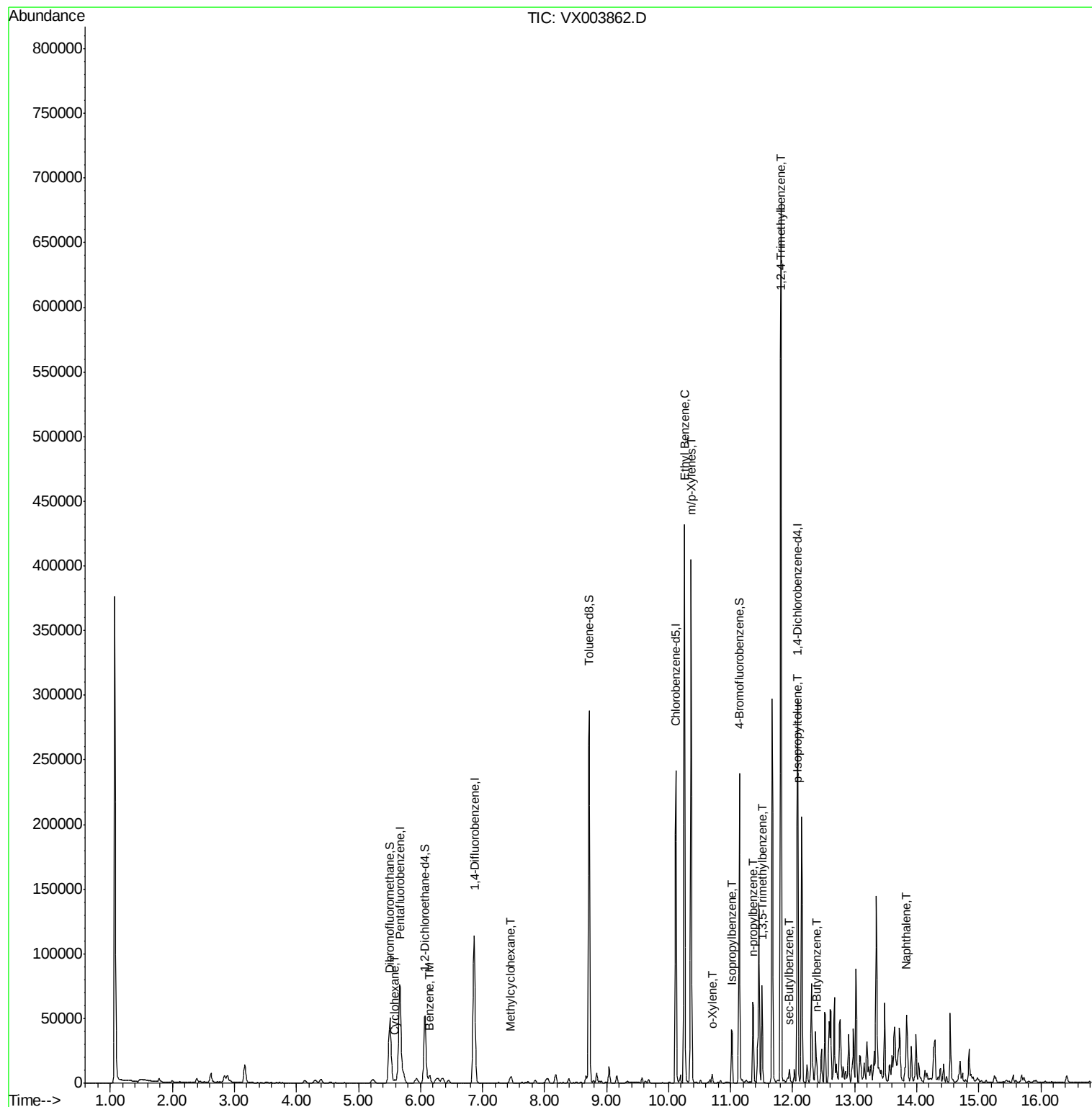
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080518\
Data File : VX003862.D
Acq On : 03 Aug 2018 21:22
Operator : JC/MD
Sample : J4263-11
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

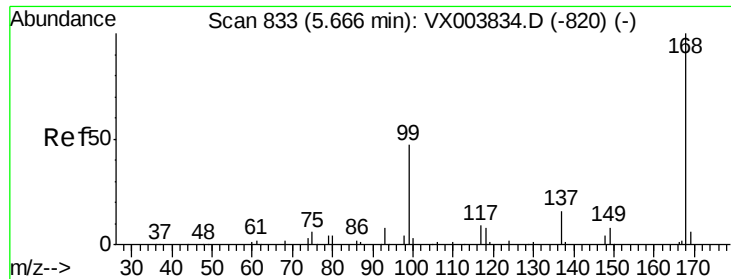
Instrument :
MSVOA_X
ClientSampleId :
FL-0519

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8/6/2018 10:47:52 AM

Quant Time: Aug 04 01:29:38 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 03 01:55:28 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: VX003862.D

Acq: 03 Aug 2018 21:22

Instrument :

MSVOA_X

ClientSampled :

FL-0519

Tot Ion:168 Resp: 81972

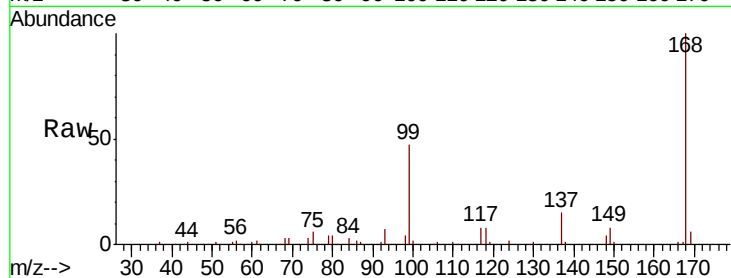
Ion Ratio Lower Upper

168 100

99 46.8 38.1 57.1

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8/6/2018 10:47:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

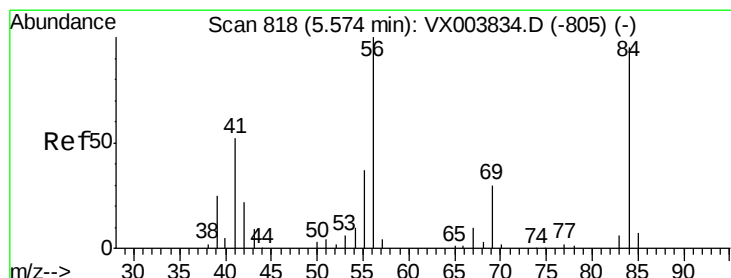
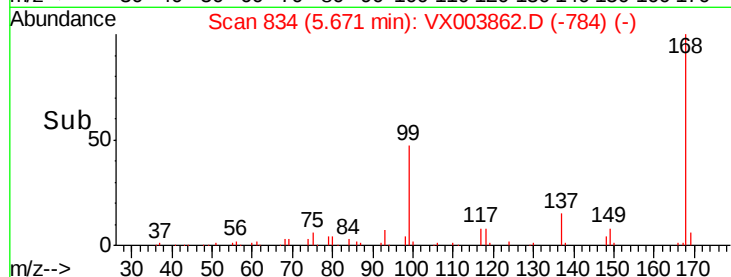
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 1.08 ug/l

RT: 5.59 min Scan# 820

Delta R.T. 0.01 min

Lab File: VX003862.D

Acq: 03 Aug 2018 21:22

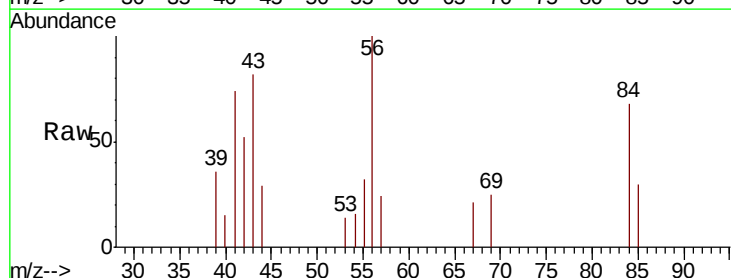
Tgt Ion: 56 Resp: 1487

Ion Ratio Lower Upper

56 100

69 25.0 23.7 35.5

84 67.8 75.7 113.5#



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

1200

1000

800

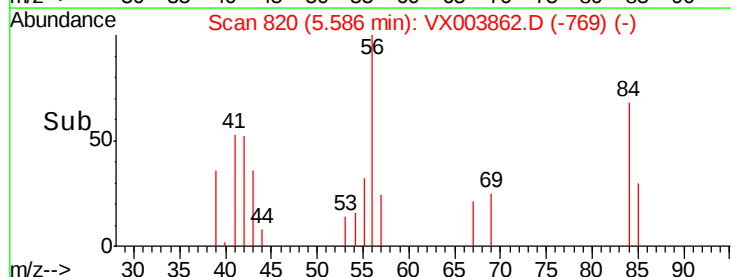
600

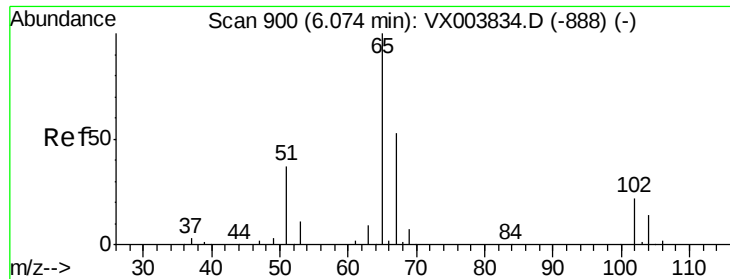
400

200

0

Time--> 5.50 5.55 5.60 5.65





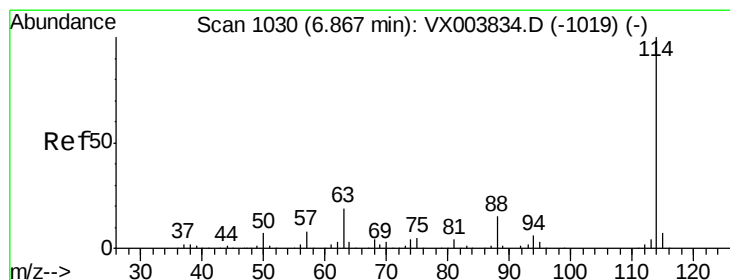
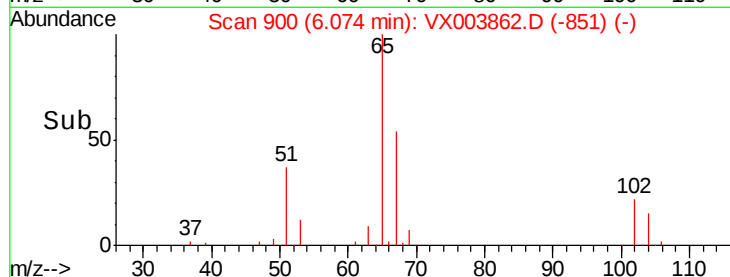
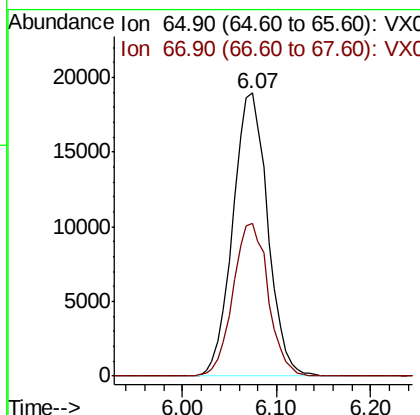
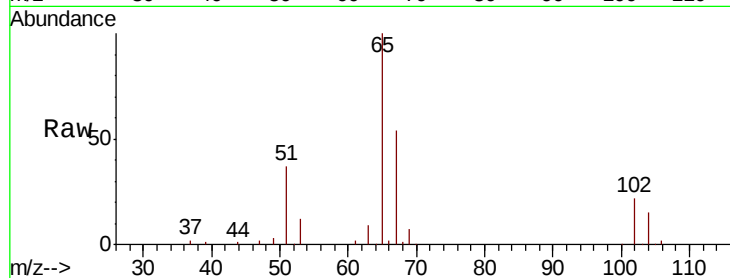
#33
 1,2-Dichloroethane-d4
 Concen: 45.30 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX003862.D
 Acq: 03 Aug 2018 21:22

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0519

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	107.2

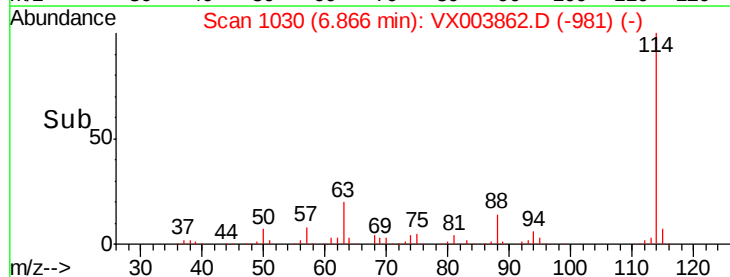
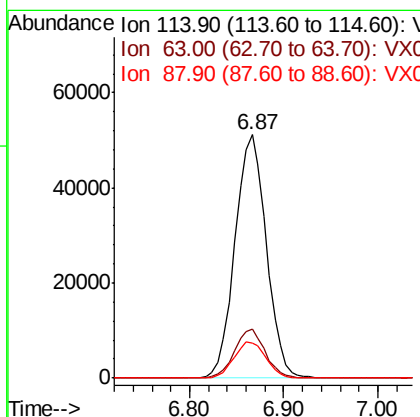
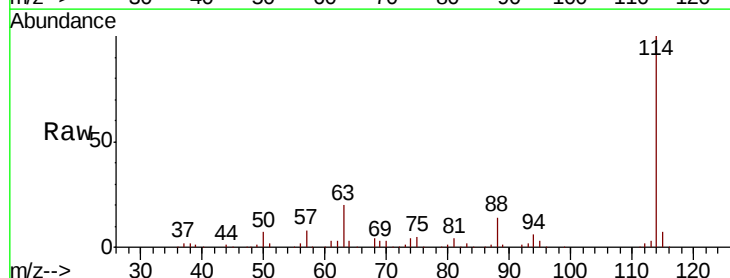
Manual Integrations
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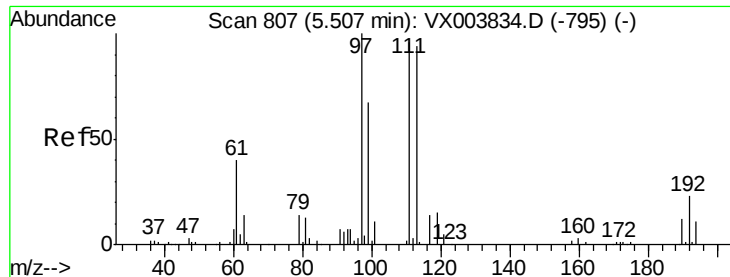
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003862.D
 Acq: 03 Aug 2018 21:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	38.2
88	14.5	0.0	29.6





#35

Dibromofluoromethane

Concen: 46.29 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003862.D

Acq: 03 Aug 2018 21:22

Instrument :

MSVOA_X

ClientSampleId :

FL-0519

Tot Ion:113 Resp: 43049

Ion Ratio Lower Upper

113 100

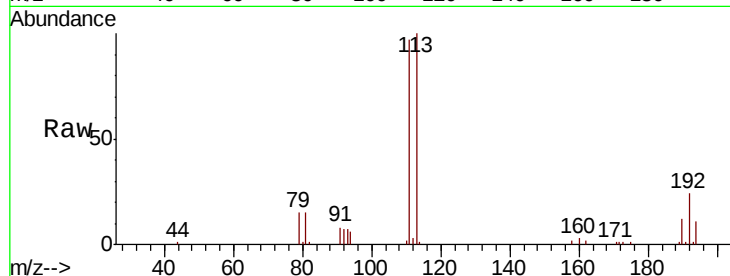
111 102.3 81.1 121.7

192 24.4 19.7 29.5

Manual Integrations
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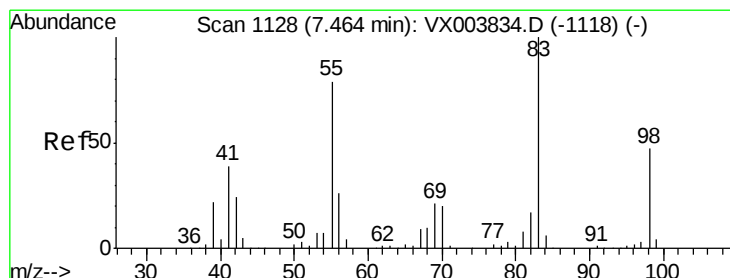
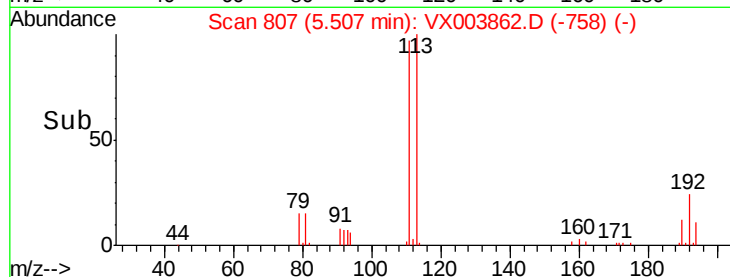
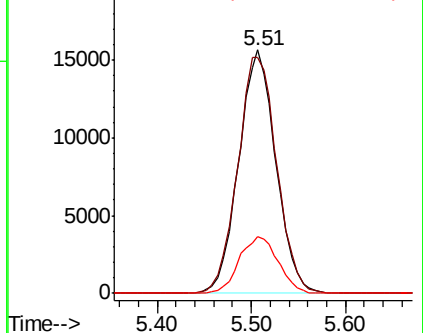
8/6/2018 10:47:52 AM



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

Methylcyclohexane

Concen: 1.38 ug/l

RT: 7.46 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX003862.D

Acq: 03 Aug 2018 21:22

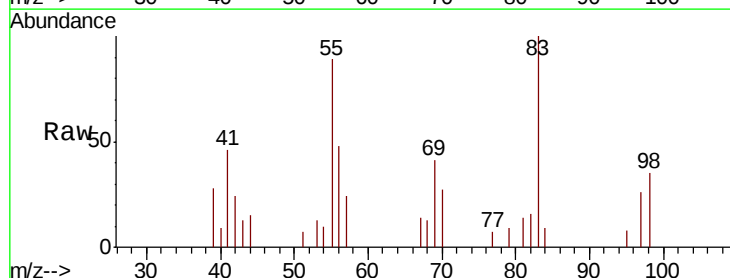
Tgt Ion: 83 Resp: 1913

Ion Ratio Lower Upper

83 100

55 88.7 63.1 94.7

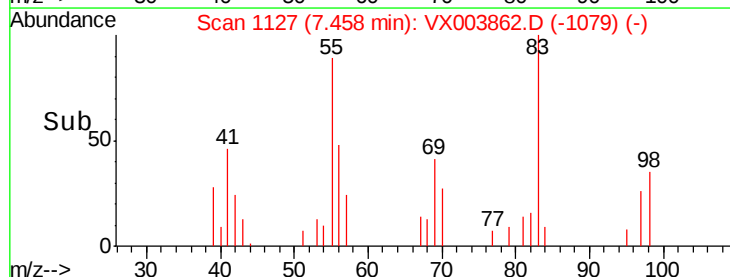
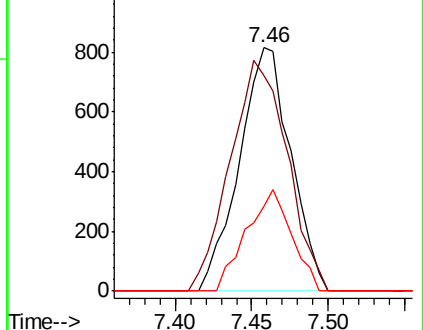
98 34.8 37.5 56.3#

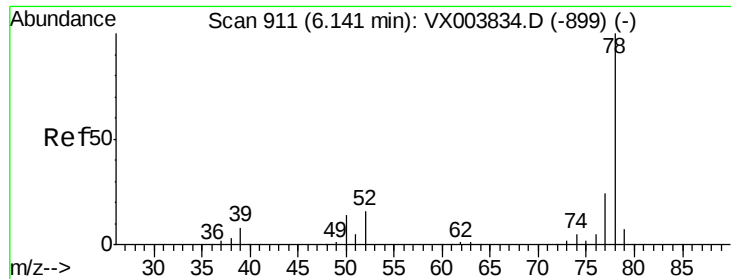


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 1.72 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.01 min

Lab File: VX003862.D

Acq: 03 Aug 2018 21:22

Instrument :

MSVOA_X

ClientSampleId :

FL-0519

Tot Ion: 78 Resp: 6762

Ion Ratio Lower Upper

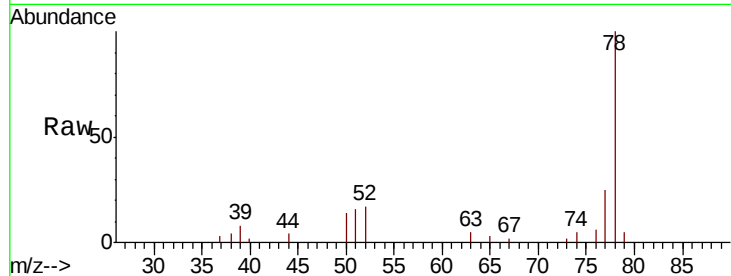
78 100

77 25.0 18.9 28.3

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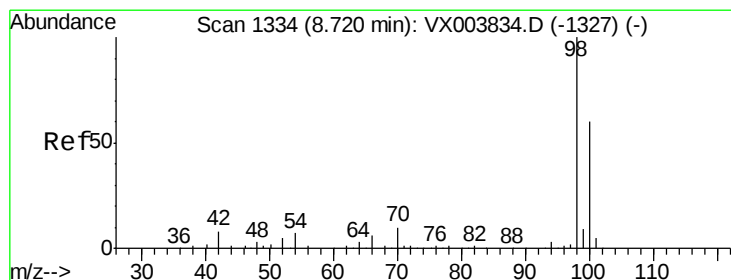
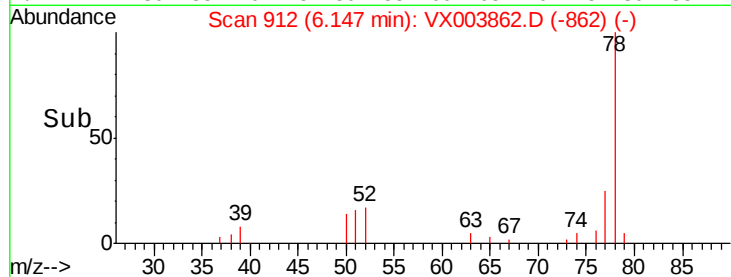
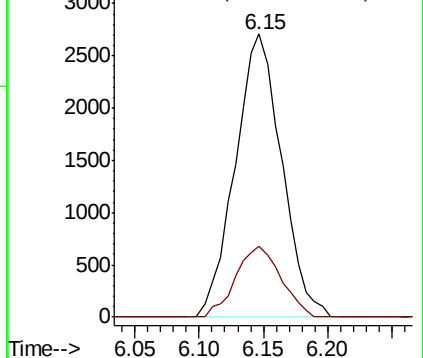
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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 48.16 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003862.D

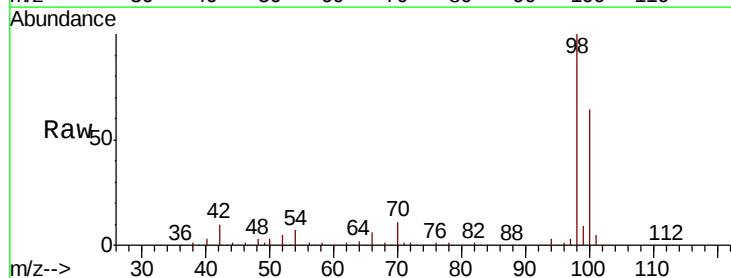
Acq: 03 Aug 2018 21:22

Tgt Ion: 98 Resp: 171638

Ion Ratio Lower Upper

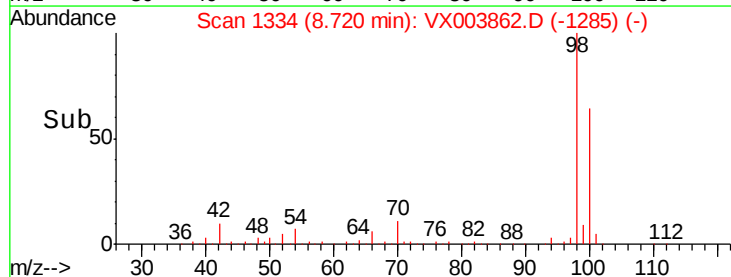
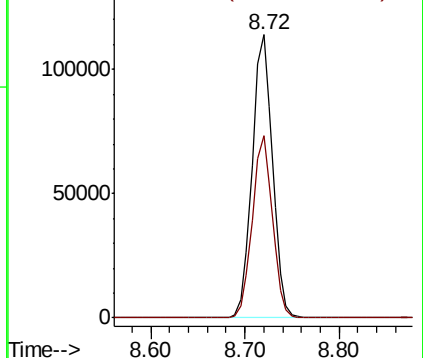
98 100

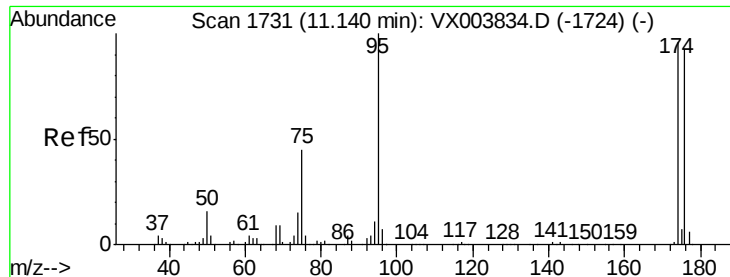
100 63.7 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.87 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003862.D

Acq: 03 Aug 2018 21:22

Instrument :

MSVOA_X

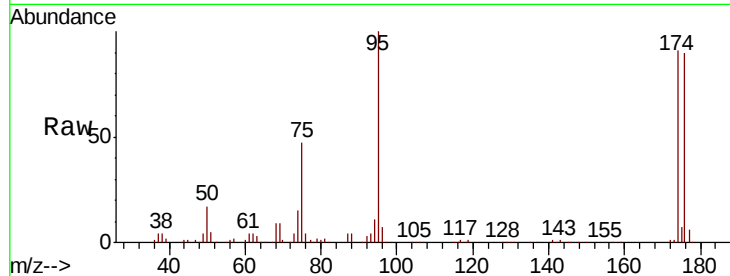
ClientSampleId :

FL-0519

Tot Ion:	95	Resp:	60350
Ion	Ratio	Lower	Upper
95	100		
174	92.8	0.0	192.2
176	90.7	0.0	185.8

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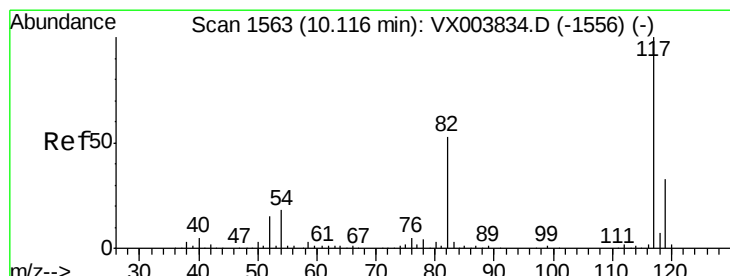
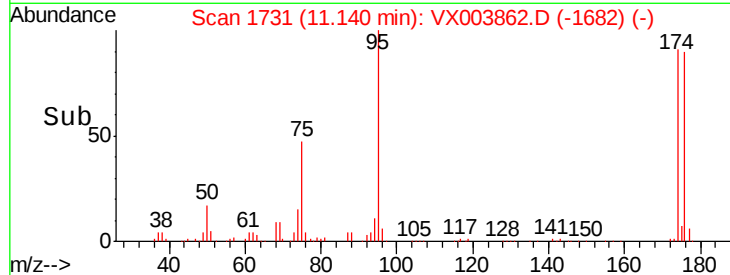


Abundance Ion 94.90 (94.60 to 95.60): VX003834.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX003834.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX003834.D (-1724) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

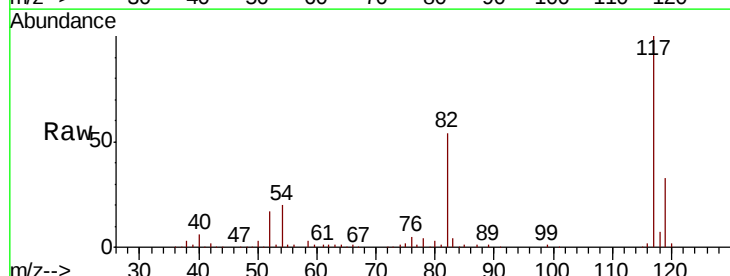
RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003862.D

Acq: 03 Aug 2018 21:22

Tgt Ion:	117	Resp:	111018
Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.2	63.4
119	32.7	26.2	39.2

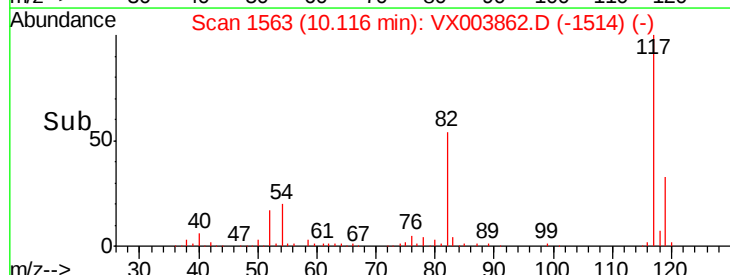


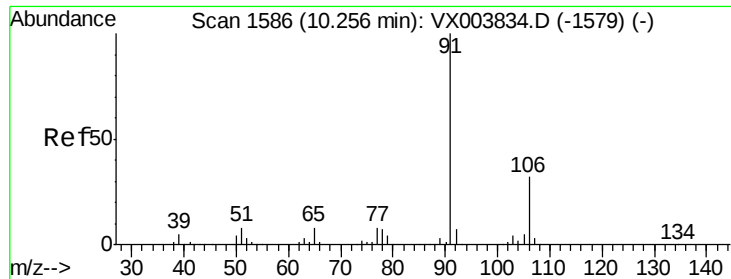
Abundance Ion 116.90 (116.60 to 117.60): VX003834.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX003834.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX003834.D (-1556) (-)

Time-->





#67

Ethyl Benzene

Concen: 55.71 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003862.D

Acq: 03 Aug 2018 21:22

Instrument :

MSVOA_X

ClientSampled :

FL-0519

Tot Ion: 91 Resp: 243720

Ion Ratio Lower Upper

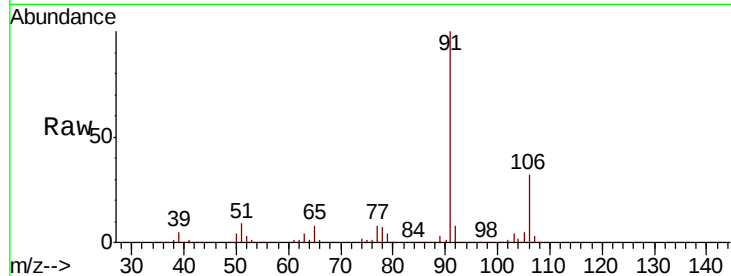
91 100

106 31.8 25.7 38.5

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Abundance Ion 91.00 (90.70 to 91.70): VX003834.D (-1579) (-)

Ion 106.00 (105.70 to 106.70): VX003834.D (-1579) (-)

200000

150000

100000

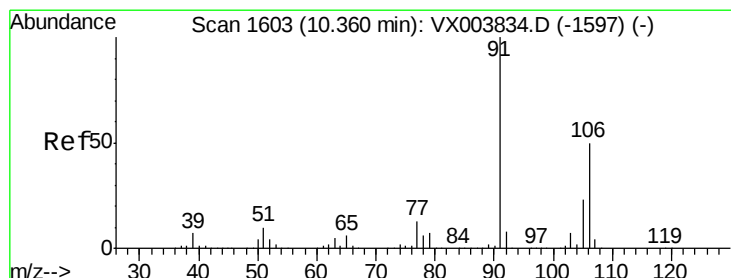
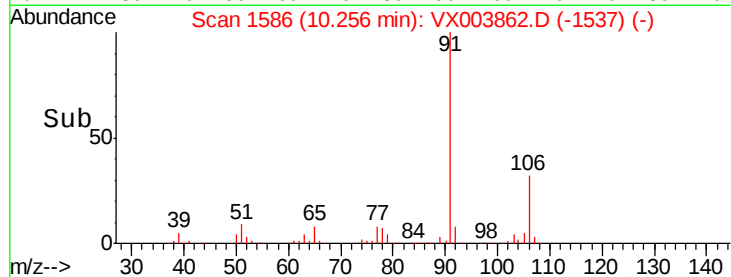
50000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 55.74 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003862.D

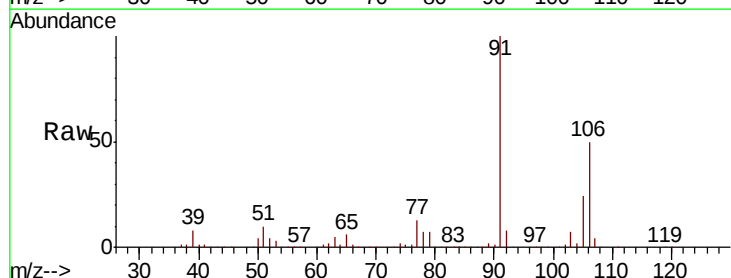
Acq: 03 Aug 2018 21:22

Tgt Ion: 106 Resp: 95306

Ion Ratio Lower Upper

106 100

91 199.5 161.3 241.9



Abundance Ion 106.00 (105.70 to 106.70): VX003834.D (-1597) (-)

Ion 91.00 (90.70 to 91.70): VX003834.D (-1597) (-)

150000

100000

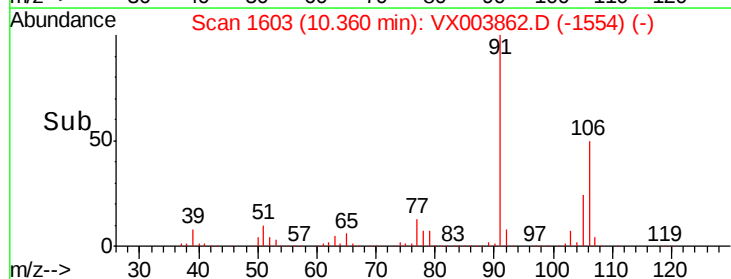
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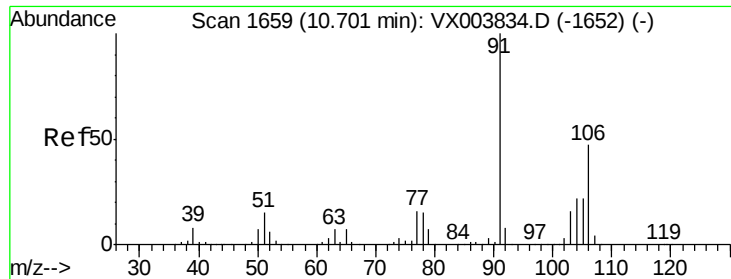
0

10.30

10.40

Time-->





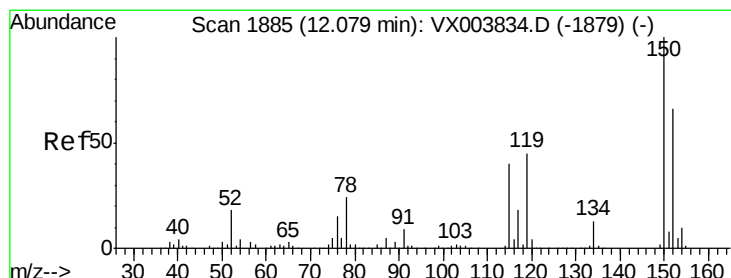
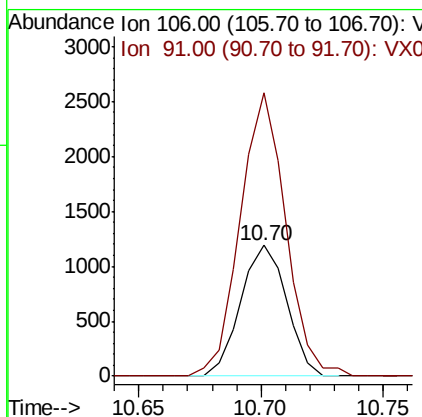
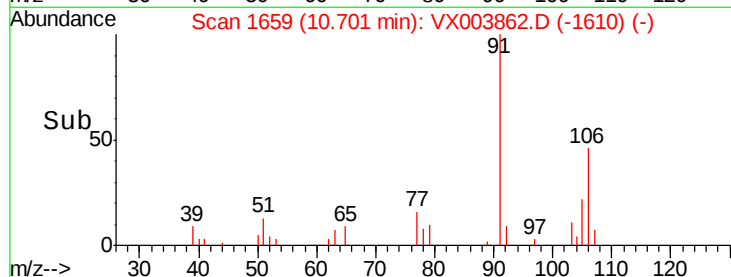
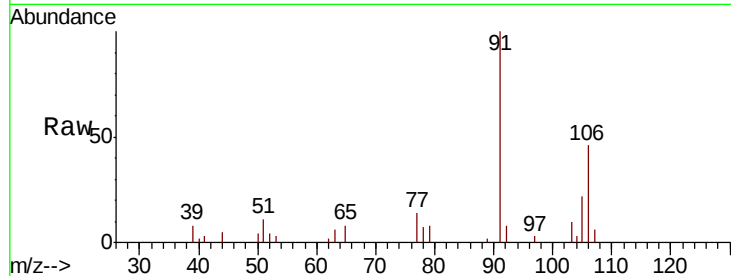
#69
o-Xylene
Concen: 0.95 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003862.D
Acq: 03 Aug 2018 21:22

Instrument :
MSVOA_X
ClientSampled :
FL-0519

Tot Ion:106 Resp: 1562
Ion Ratio Lower Upper
106 100
91 213.9 105.7 317.1

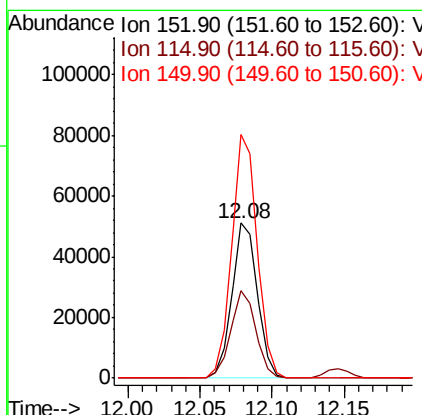
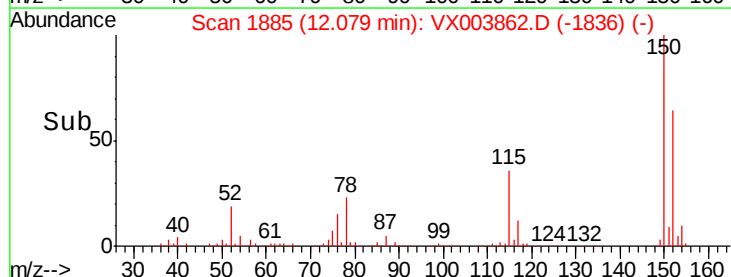
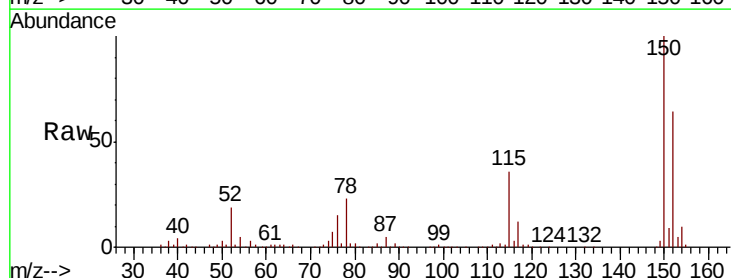
Manual Integrations
APPROVED

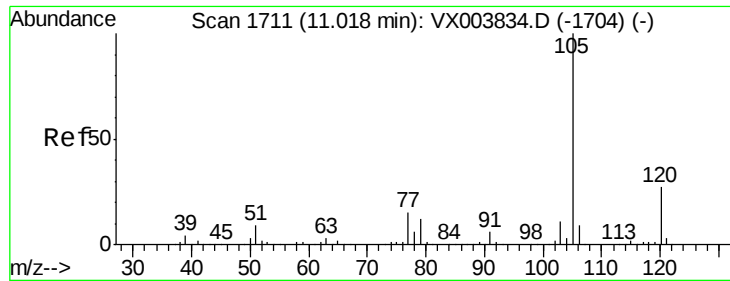
MMDadoda
8/6/2018 10:47:52 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003862.D
Acq: 03 Aug 2018 21:22

Tgt Ion:152 Resp: 63617
Ion Ratio Lower Upper
152 100
115 55.5 37.4 112.1
150 156.4 0.0 346.6





#73

Isopropylbenzene

Concen: 5.28 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX003862.D

Acq: 03 Aug 2018 21:22

Instrument :

MSVOA_X

ClientSampleId :

FL-0519

Tot Ion: 105 Resp: 21538

Ion Ratio Lower Upper

105 100

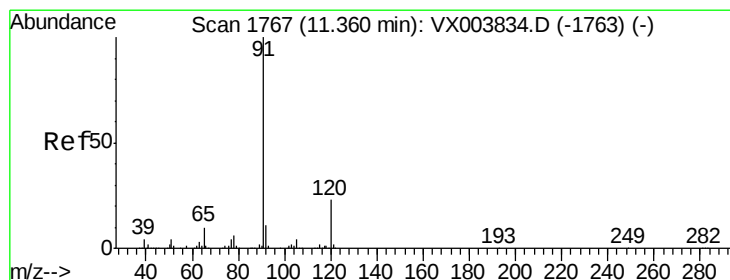
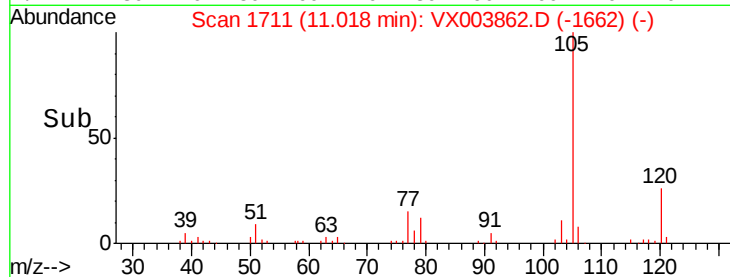
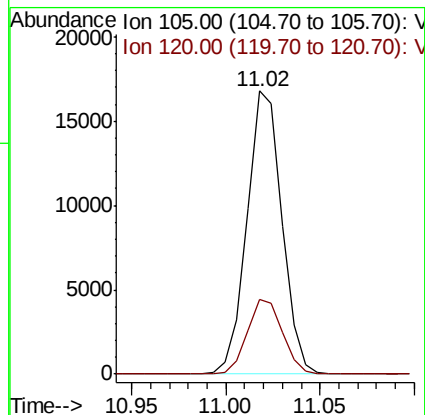
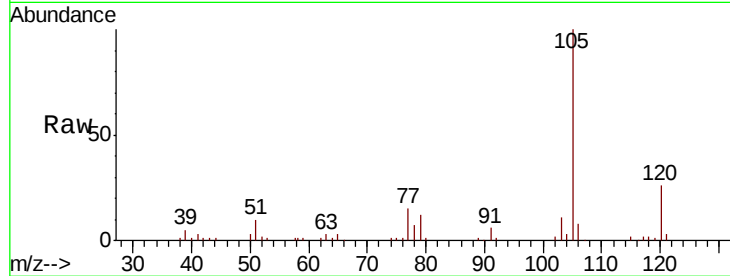
120 26.6 13.6 40.7

Manual Integrations

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#78

n-propylbenzene

Concen: 8.22 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX003862.D

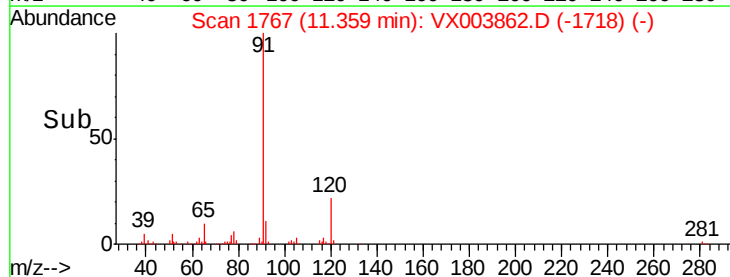
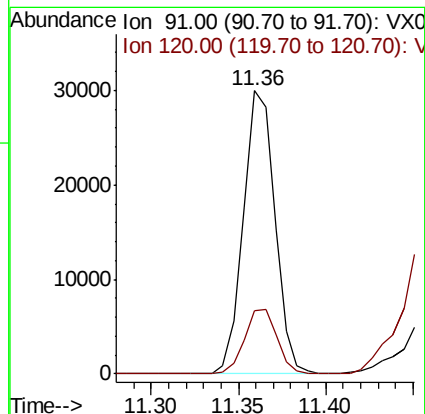
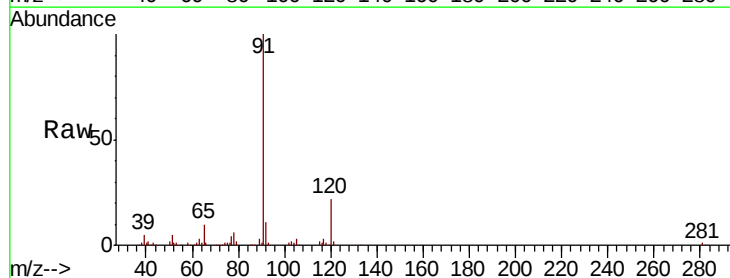
Acq: 03 Aug 2018 21:22

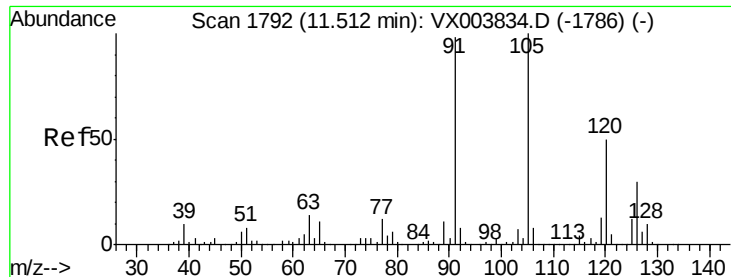
Tgt Ion: 91 Resp: 37938

Ion Ratio Lower Upper

91 100

120 23.4 12.1 36.3





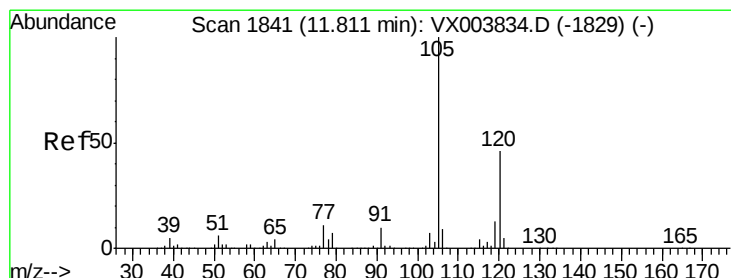
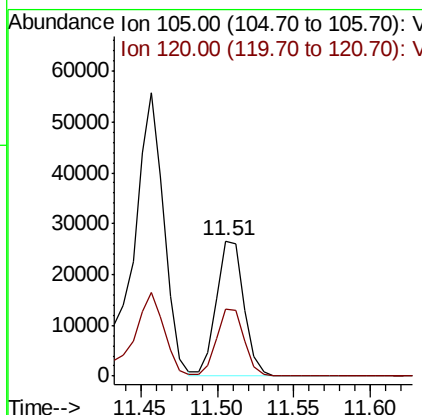
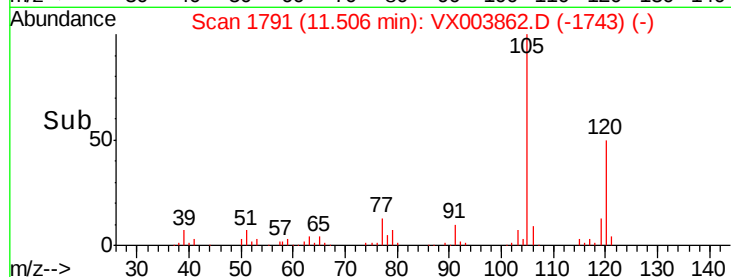
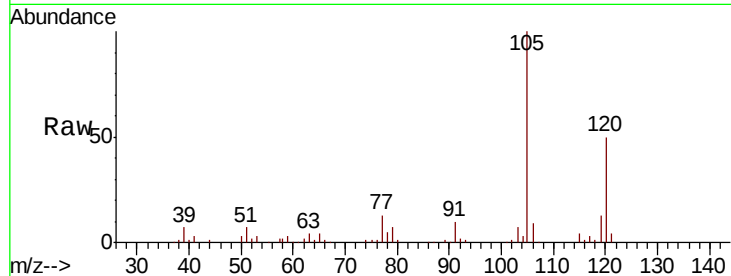
#80
 1,3,5-Trimethylbenzene
 Concen: 9.79 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX003862.D
 Acq: 03 Aug 2018 21:22

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0519

Tot Ion:105 Resp: 33511
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.8 74.4

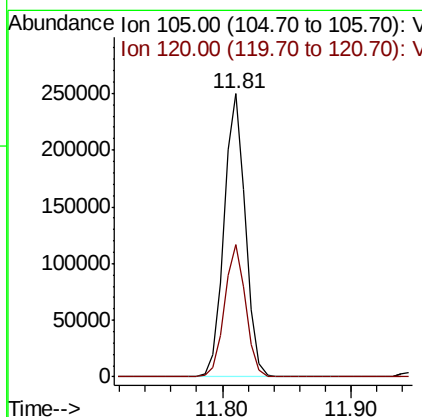
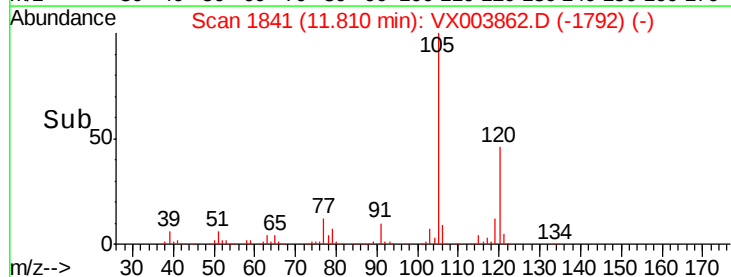
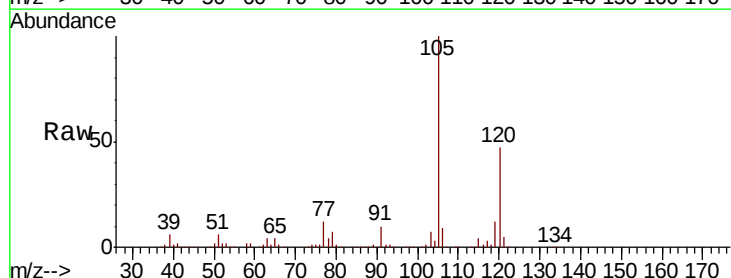
Manual Integrations
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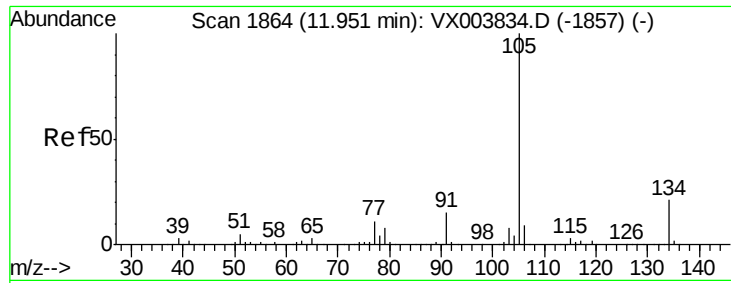
MMDadoda
 8/6/2018 10:47:52 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 82.17 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003862.D
 Acq: 03 Aug 2018 21:22

Tgt Ion:105 Resp: 290923
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.5





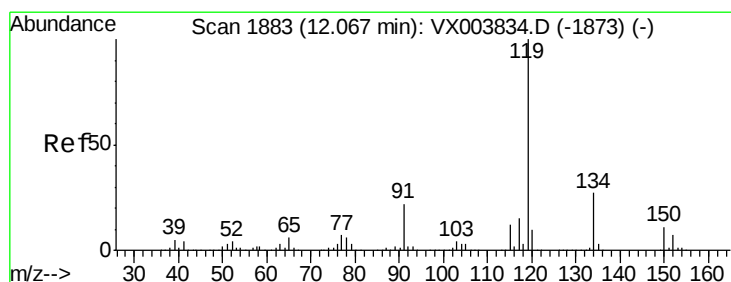
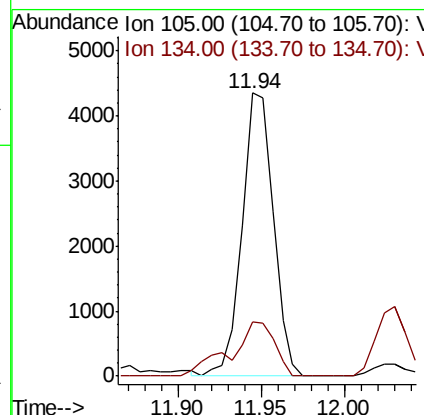
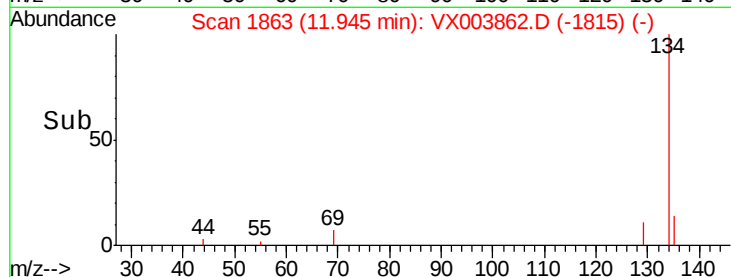
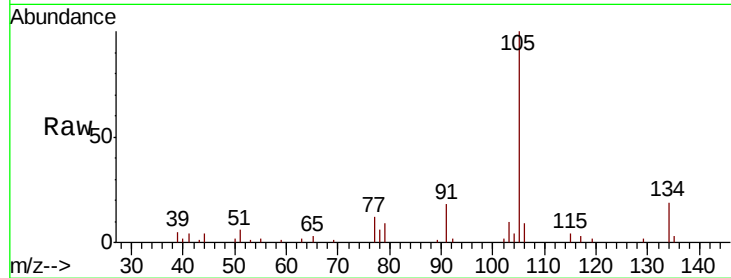
#85
 sec-Butylbenzene
 Concen: 1.42 ug/l m
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: VX003862.D
 Acq: 03 Aug 2018 21:22

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0519

Tot Ion:105 Resp: 5659
 Ion Ratio Lower Upper
 105 100
 134 2.7 10.4 31.4#

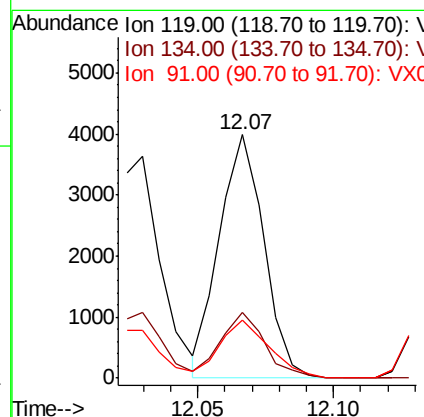
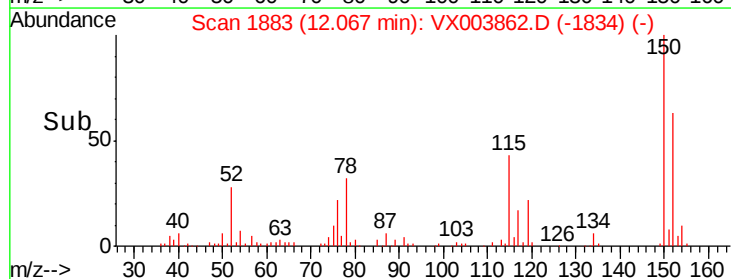
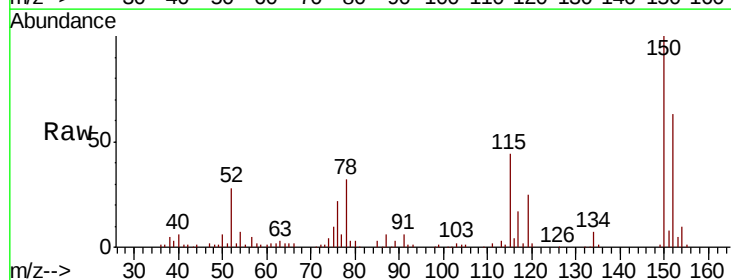
Manual Integrations
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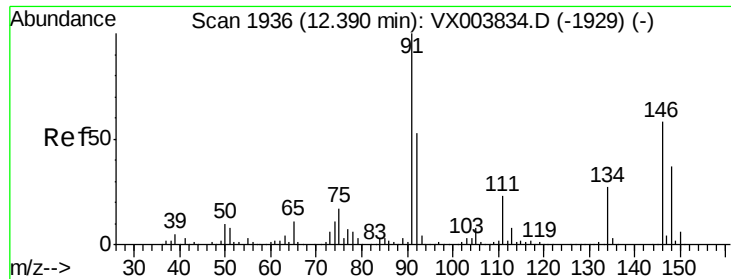
MMDadoda
 8/6/2018 10:47:52 AM



#86
 p-Isopropyltoluene
 Concen: 1.26 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003862.D
 Acq: 03 Aug 2018 21:22

Tgt Ion:119 Resp: 4536
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.4 40.2
 91 26.1 11.1 33.1





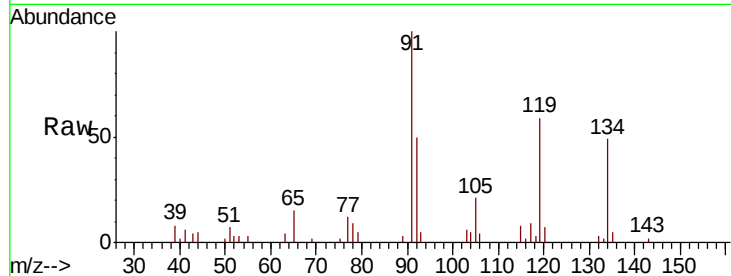
#89
n-Butylbenzene
Concen: 1.86 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003862.D
Acq: 03 Aug 2018 21:22

Instrument :
MSVOA_X
ClientSampled :
FL-0519

Tot Ion	Ratio	Lower	Upper
91	100		
92	32.6	26.3	78.9
134	112.7	13.7	41.0#

Manual Integrations
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MMDadoda
8/6/2018 10:47:52 AM

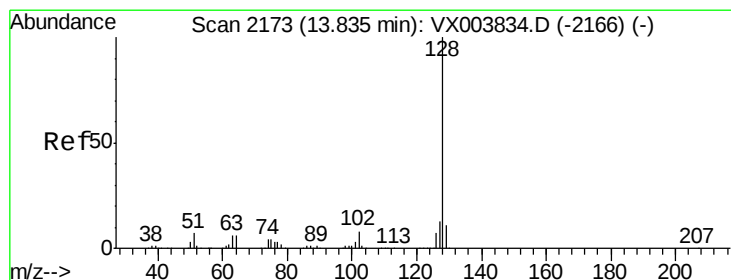
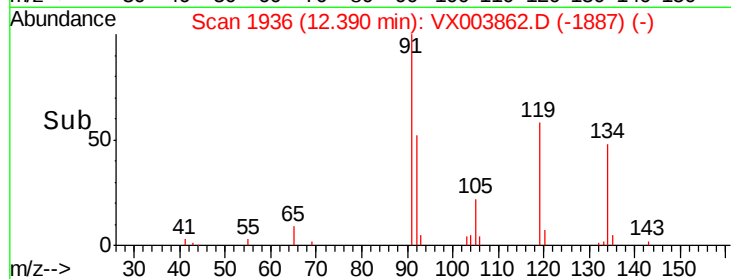
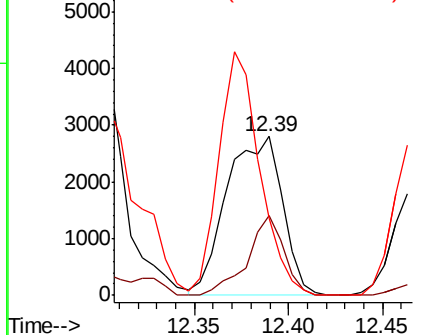


Abundance

Ion 91.00 (90.70 to 91.70): VX003834.D (-1929) (-)

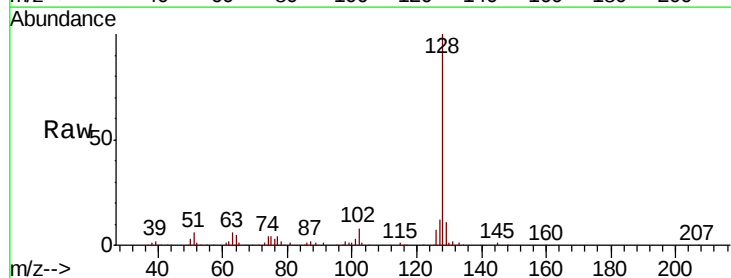
Ion 92.00 (91.70 to 92.70): VX003834.D (-1929) (-)

Ion 134.00 (133.70 to 134.70): VX003834.D (-1929) (-)



#95
Naphthalene
Concen: 7.13 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX003862.D
Acq: 03 Aug 2018 21:22

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.4
129	14.3	8.7	13.1#



Abundance

Ion 128.00 (127.70 to 128.70): VX003834.D (-2166) (-)

Ion 127.00 (126.70 to 127.70): VX003834.D (-2166) (-)

Ion 129.00 (128.70 to 129.70): VX003834.D (-2166) (-)

