

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012498.D
 Acq On : 19 Sep 2019 01:31
 Operator : JC/SP
 Sample : K4830-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0278

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:06:33 PM

Quant Time: Sep 19 08:40:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	195268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	306278	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	259118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	107688	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	127164	45.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.88%	
35) Dibromofluoromethane	5.49	113	90780	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
50) Toluene-d8	8.71	98	350405	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	11.14	95	127868	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.57	56	144480	74.748	ug/l	98
39) Methylcyclohexane	7.46	83	311452	172.117	ug/l	99
40) Benzene	6.14	78	325249	54.948	ug/l	97
67) Ethyl Benzene	10.25	91	127591	17.365	ug/l	99
68) m/p-Xylenes	10.35	106	3168	1.185	ug/l	83
73) Isopropylbenzene	11.01	105	27571	4.080	ug/l	100
78) n-propylbenzene	11.35	91	28738	3.816	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	6747	1.171	ug/l	97
83) tert-Butylbenzene	11.77	119	4532	0.734	ug/l	78
84) 1,2,4-Trimethylbenzene	11.80	105	198932	33.622	ug/l	99
85) sec-Butylbenzene	11.94	105	18904	2.778	ug/l	96
86) p-Isopropyltoluene	12.06	119	32055	5.131	ug/l	96
89) n-Butylbenzene	12.38	91	9558m	1.715	ug/l	
95) Naphthalene	13.83	128	53363	7.187	ug/l #	90

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

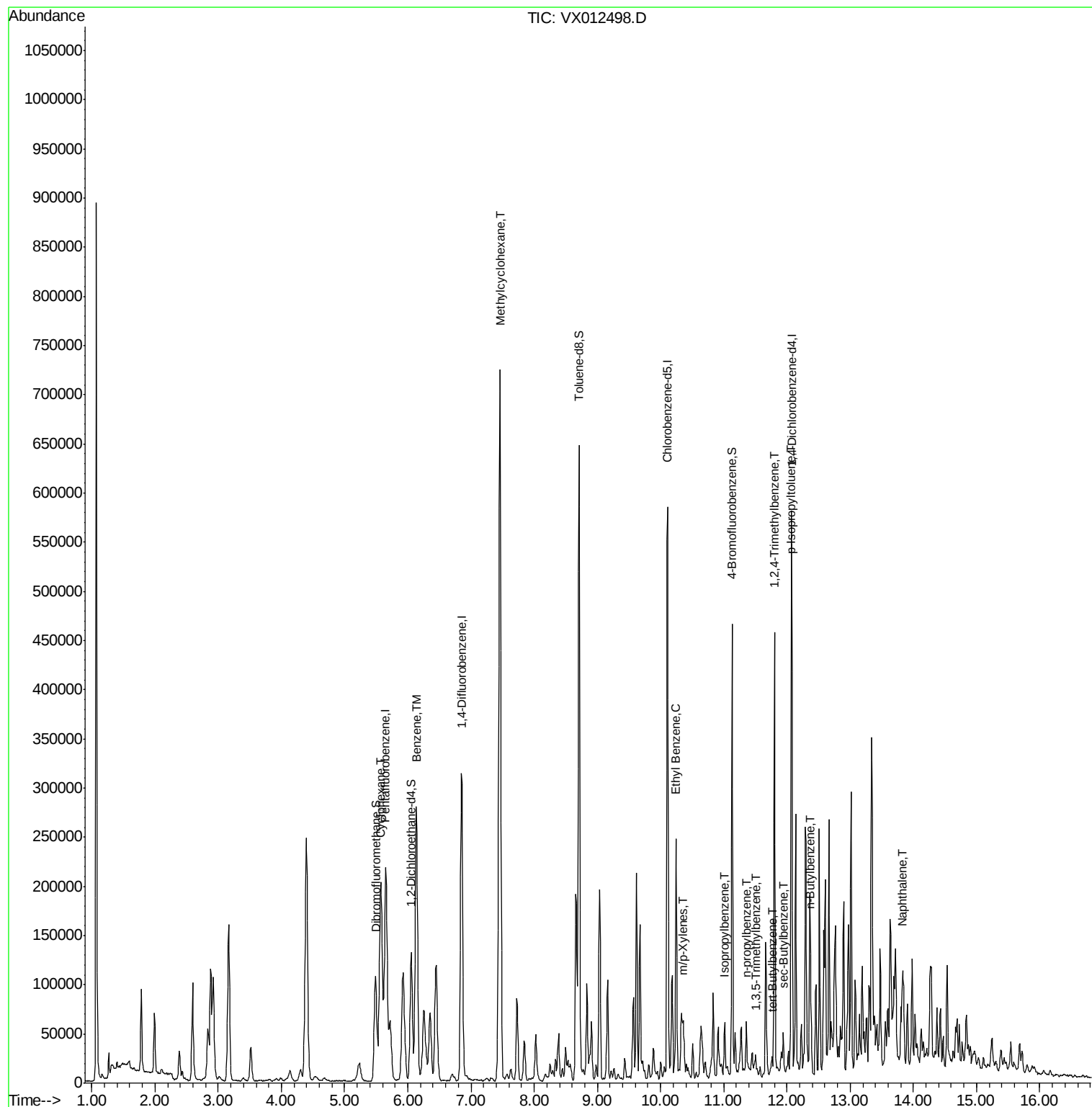
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091819\
Data File : VX012498.D
Acq On : 19 Sep 2019 01:31
Operator : JC/SP
Sample : K4830-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 40 Sample Multiplier: 1

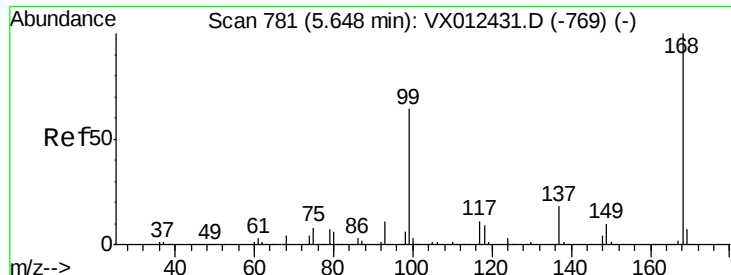
Instrument :
MSVOA_X
ClientSampleId :
S13-0278

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Quant Time: Sep 19 08:40:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012498.D

Acq: 19 Sep 2019 01:31

Instrument :

MSVOA_X

ClientSampleId :

S13-0278

Tot Ion:168 Resp: 195268

Ion Ratio Lower Upper

168 100

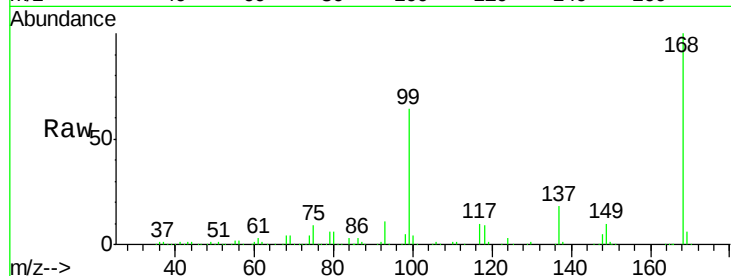
99 63.9 51.4 77.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

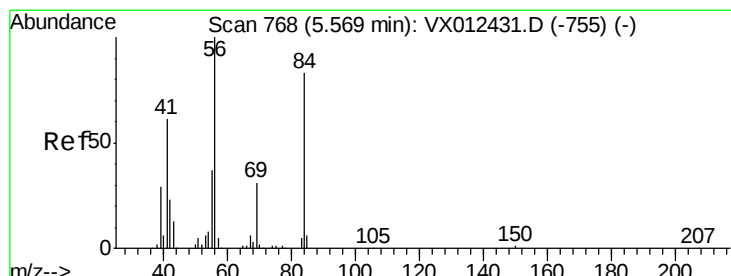
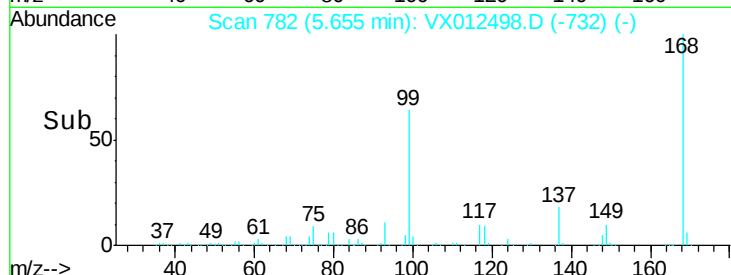
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 74.748 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012498.D

Acq: 19 Sep 2019 01:31

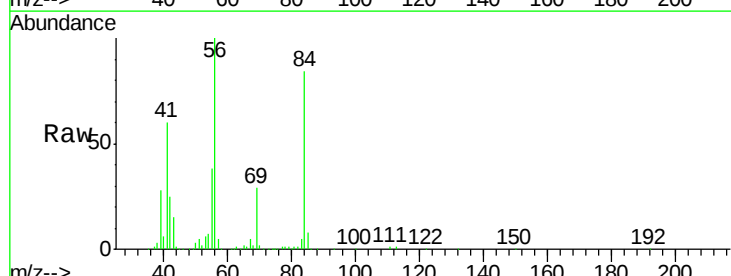
Tgt Ion: 56 Resp: 144480

Ion Ratio Lower Upper

56 100

69 28.9 25.0 37.6

84 84.5 66.4 99.6



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

5.57

60000

50000

40000

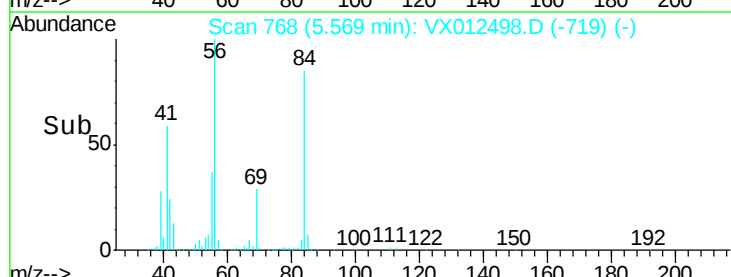
30000

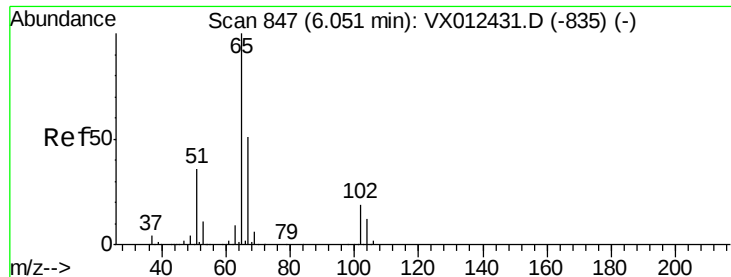
20000

10000

0

Time--> 5.50 5.60 5.70





#33

1,2-Dichloroethane-d4

Concen: 45.439 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012498.D

Acq: 19 Sep 2019 01:31

Instrument :

MSVOA_X

ClientSampled :

S13-0278

Tot Ion: 65 Resp: 127164

Ion Ratio Lower Upper

65 100

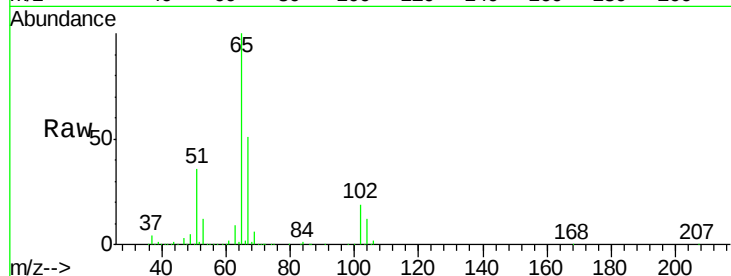
67 50.0 0.0 101.2

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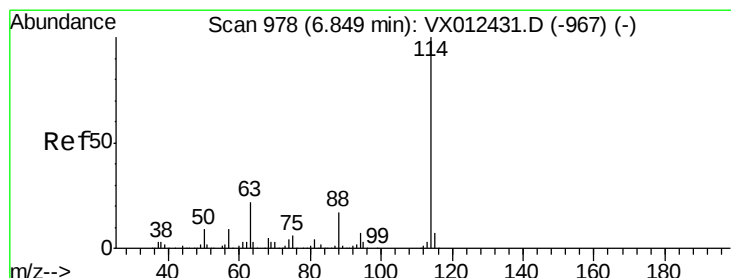
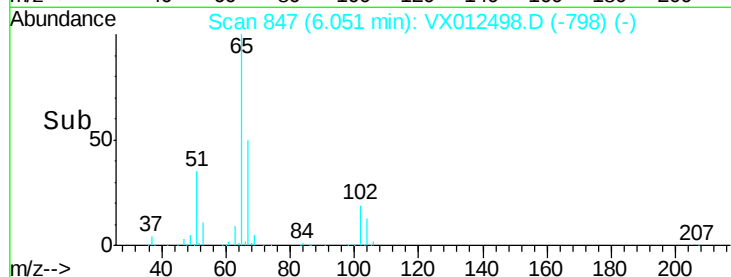
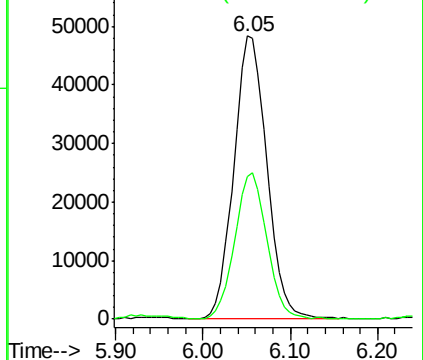
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012498.D

Acq: 19 Sep 2019 01:31

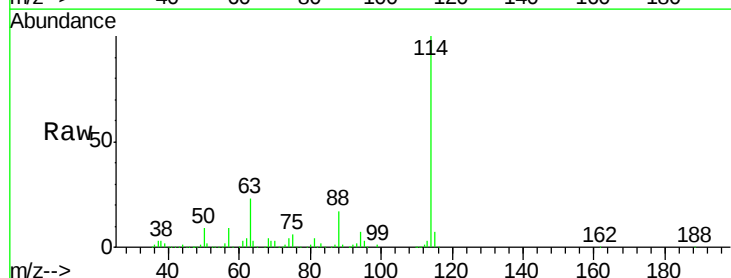
Tgt Ion: 114 Resp: 306278

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.2

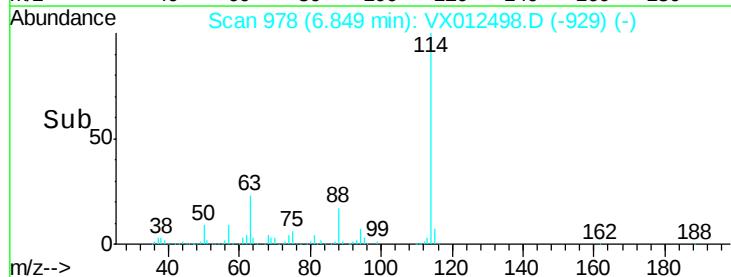
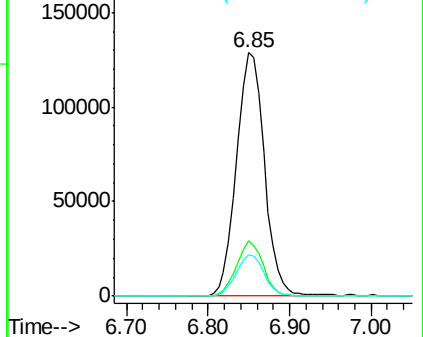
88 16.8 0.0 33.2

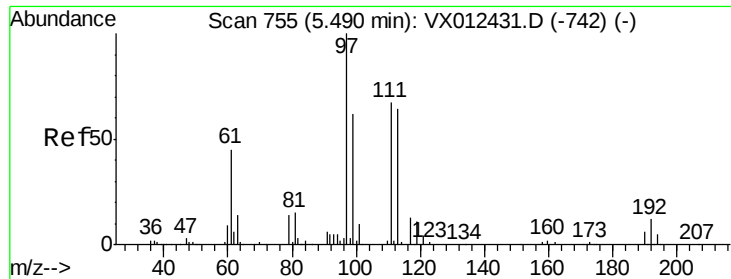


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





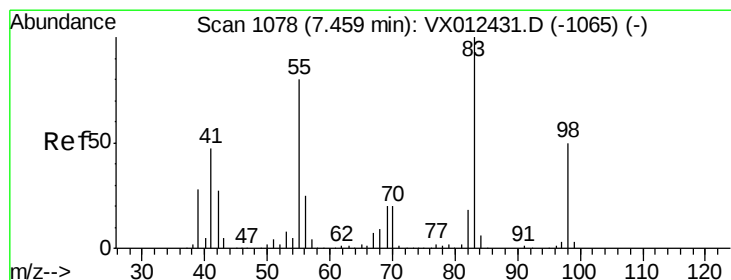
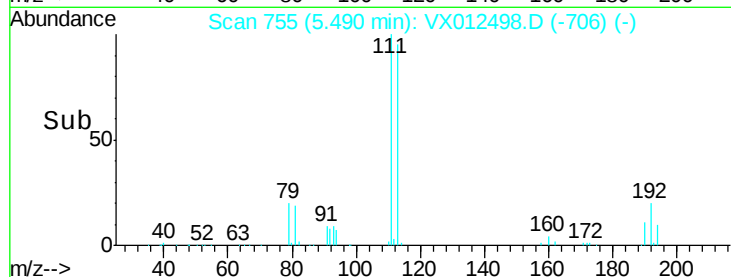
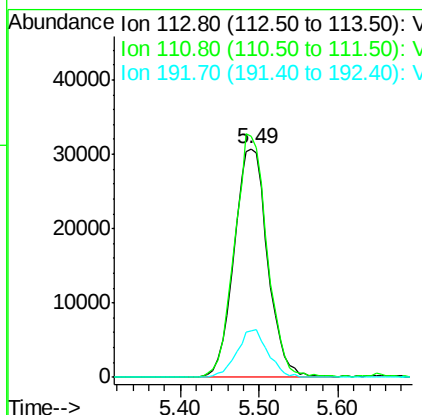
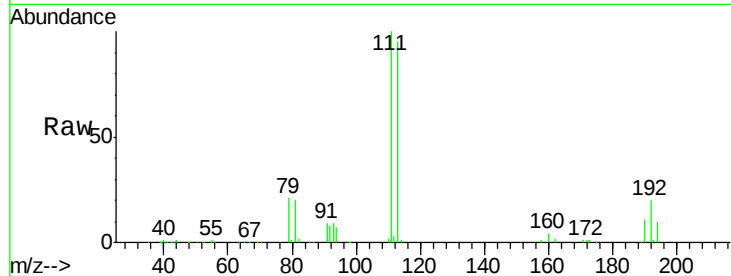
#35
Dibromofluoromethane
Concen: 48.970 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX012498.D
Acq: 19 Sep 2019 01:31

Instrument :
MSVOA_X
ClientSampleId :
S13-0278

Tot Ion	Ratio	Resp	Lower	Upper
113	100	90780		
111	103.2	83.4	125.2	
192	19.5	14.4	21.6	

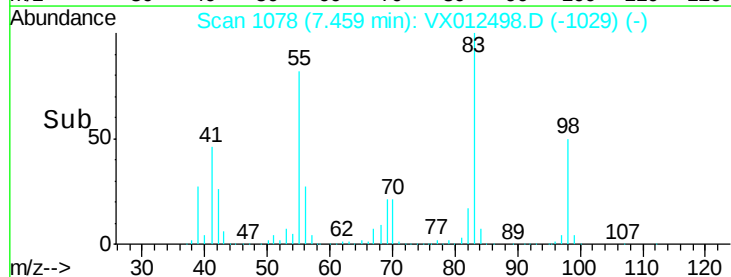
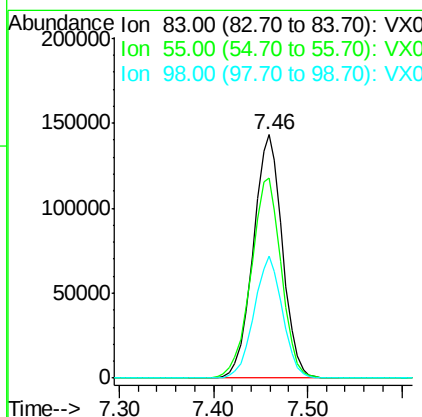
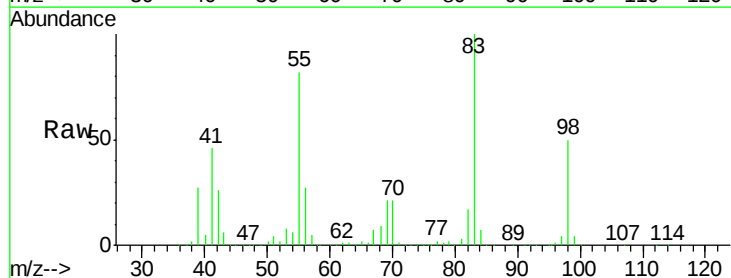
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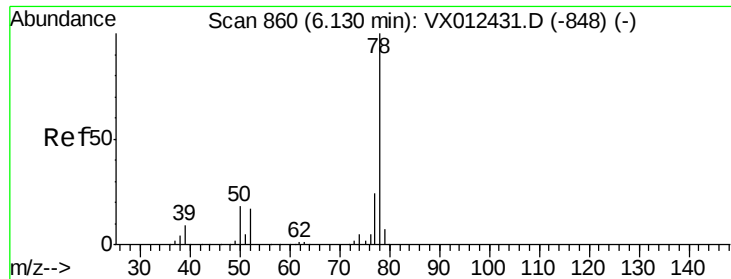
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#39
Methylcyclohexane
Concen: 172.117 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012498.D
Acq: 19 Sep 2019 01:31

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	311452		
55	82.2	64.4	96.6	
98	50.3	40.1	60.1	





#40

Benzene

Concen: 54.948 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX012498.D

Acq: 19 Sep 2019 01:31

Instrument :

MSVOA_X

ClientSampled :

S13-0278

Tot Ion: 78 Resp: 325249

Ion Ratio Lower Upper

78 100

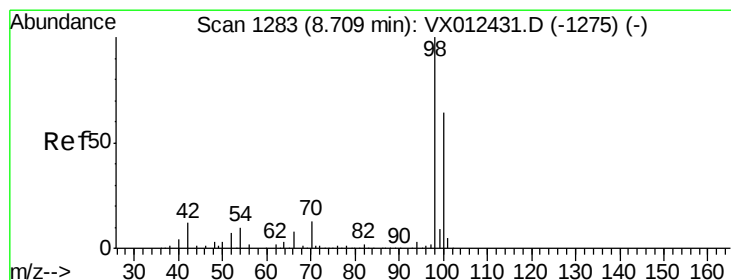
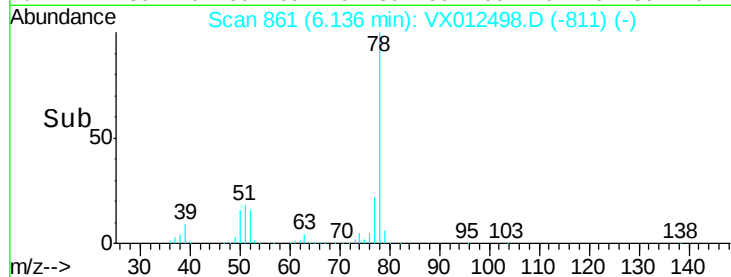
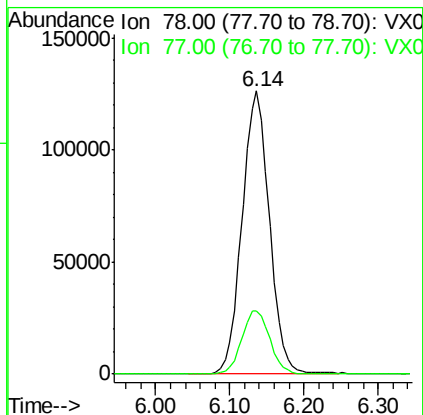
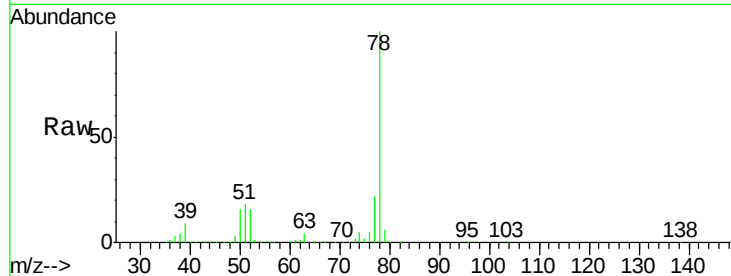
77 22.3 19.2 28.8

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#50

Toluene-d8

Concen: 51.067 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012498.D

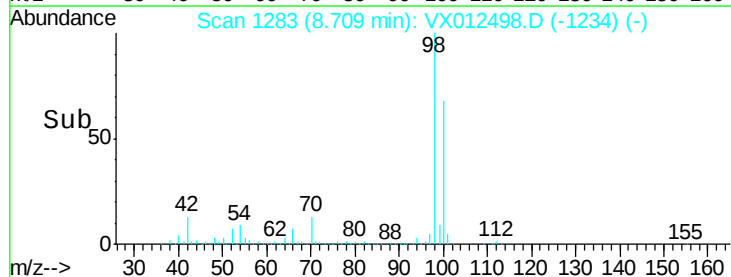
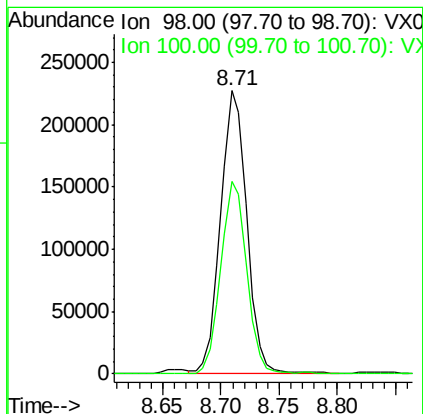
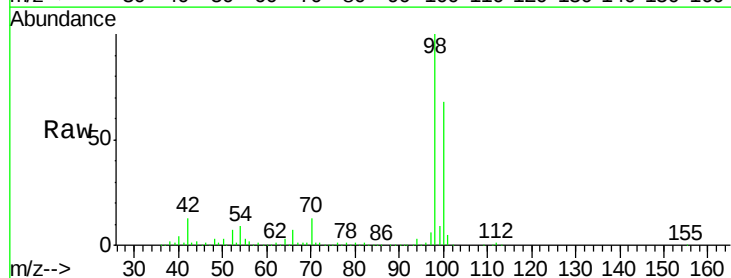
Acq: 19 Sep 2019 01:31

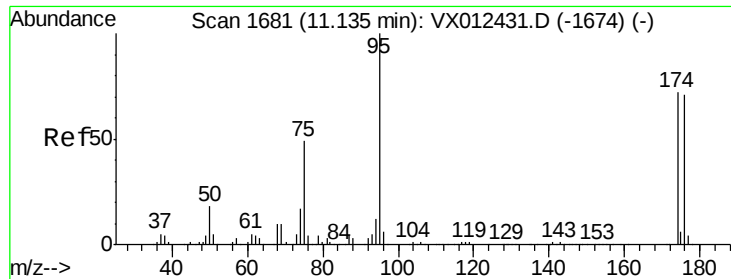
Tgt Ion: 98 Resp: 350405

Ion Ratio Lower Upper

98 100

100 68.0 53.4 80.2





#62

4-Bromofluorobenzene

Concen: 44.882 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012498.D

Acq: 19 Sep 2019 01:31

Instrument :

MSVOA_X

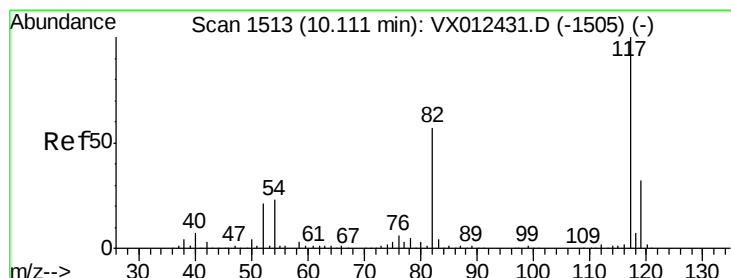
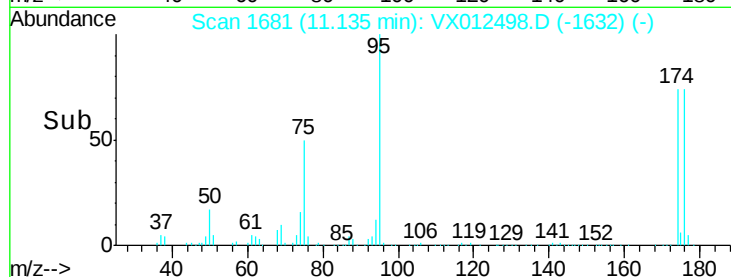
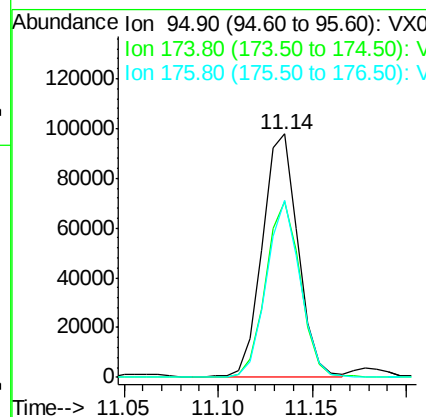
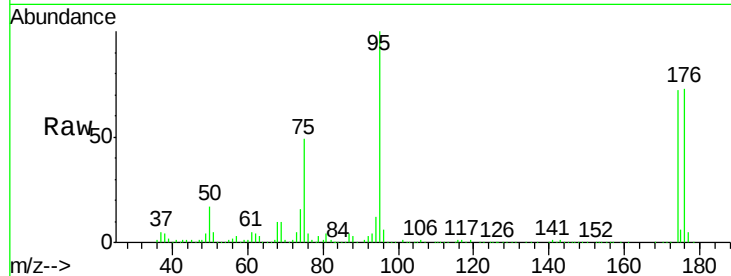
ClientSampled :

S13-0278

Tot Ion:	95	Resp:	127868
Ion Ratio	Lower	Upper	
95	100		
174	70.7	0.0	140.0
176	69.1	0.0	135.4

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

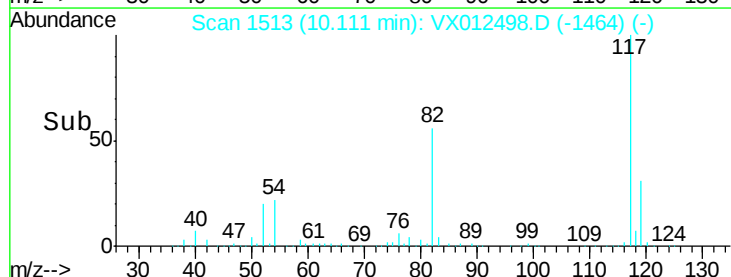
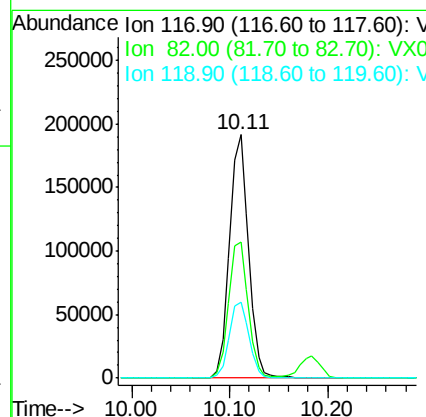
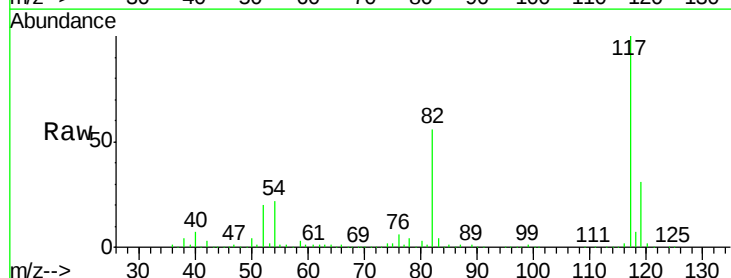
RT: 10.11 min Scan# 1513

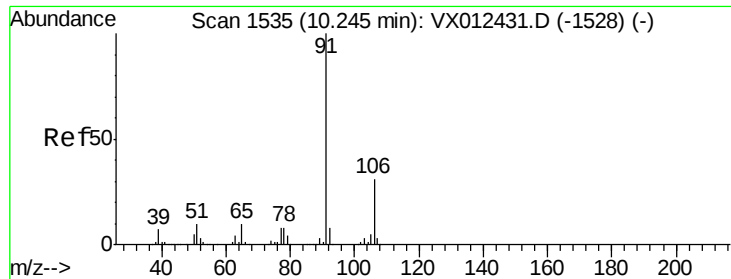
Delta R.T. 0.00 min

Lab File: VX012498.D

Acq: 19 Sep 2019 01:31

Tgt Ion:	117	Resp:	259118
Ion Ratio	Lower	Upper	
117	100		
82	55.8	45.9	68.9
119	31.3	25.3	37.9





#67

Ethyl Benzene

Concen: 17.365 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012498.D

Acq: 19 Sep 2019 01:31

Instrument :

MSVOA_X

ClientSampled :

S13-0278

Tot Ion: 91 Resp: 127591

Ion Ratio Lower Upper

91 100

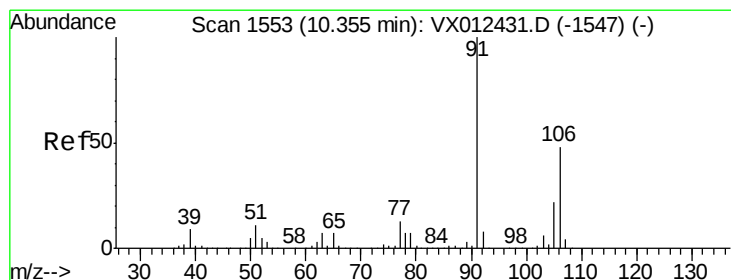
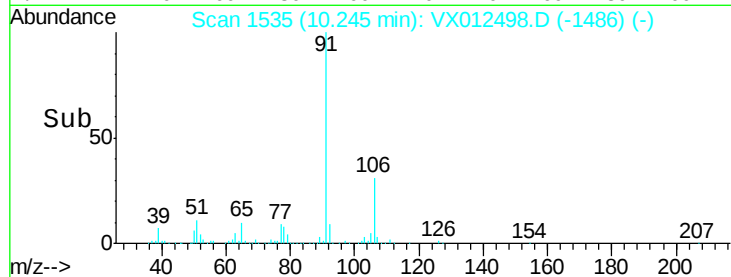
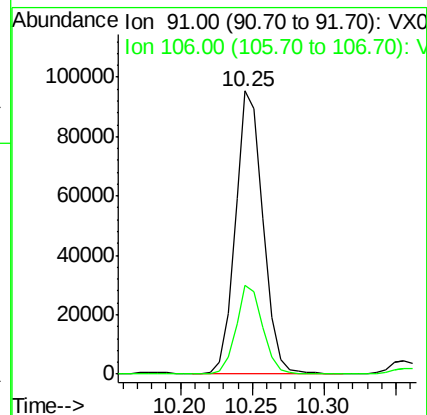
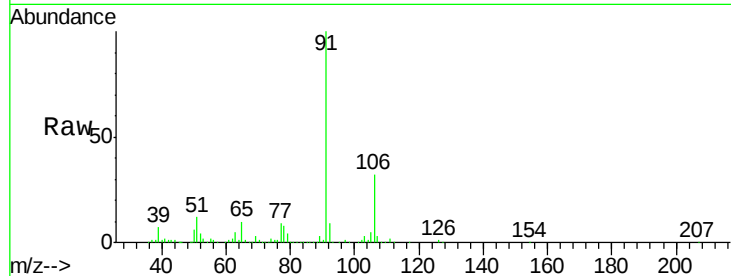
106 31.6 24.6 37.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 1.185 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012498.D

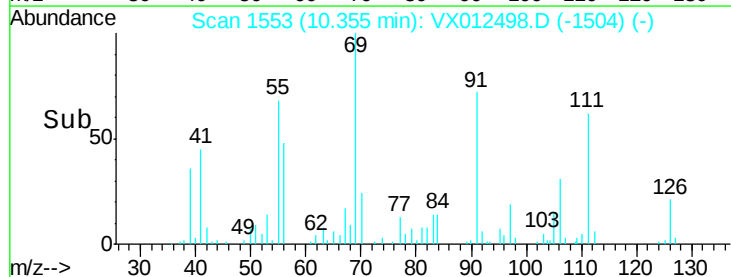
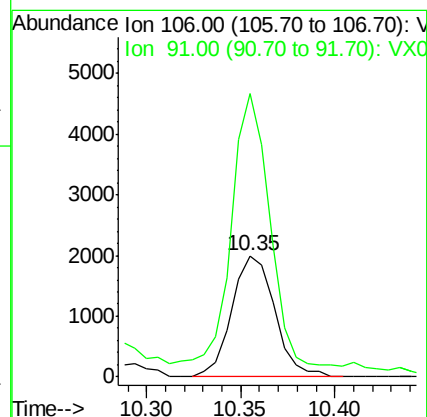
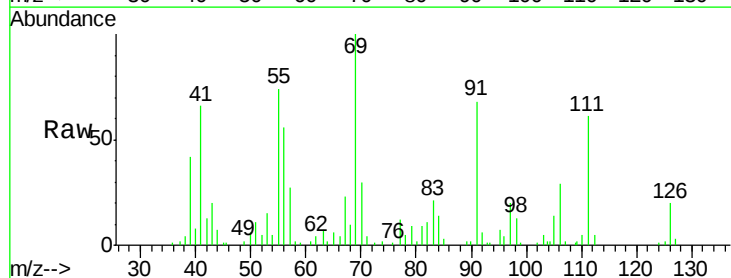
Acq: 19 Sep 2019 01:31

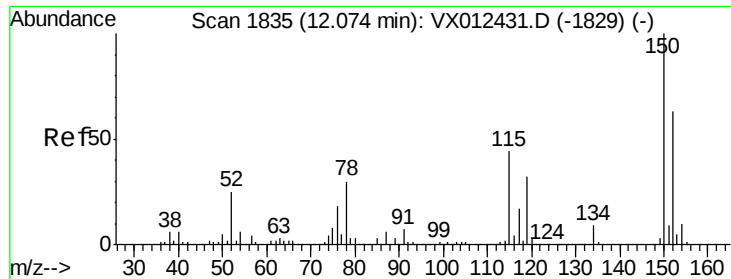
Tgt Ion: 106 Resp: 3168

Ion Ratio Lower Upper

106 100

91 235.3 166.6 250.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012498.D

Acq: 19 Sep 2019 01:31

Instrument :

MSVOA_X

ClientSampled :

S13-0278

Tot Ion:152 Resp: 107688

Ion Ratio Lower Upper

152 100

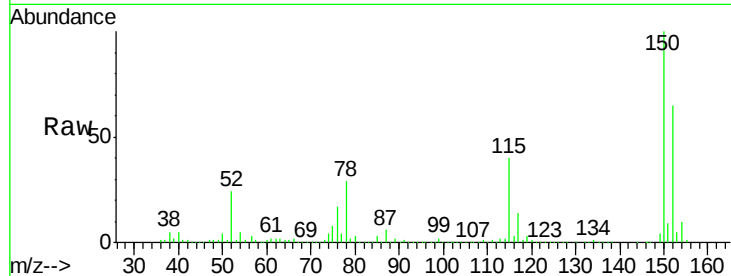
115 64.0 44.1 132.3

150 154.6 0.0 343.8

Manual Integrations
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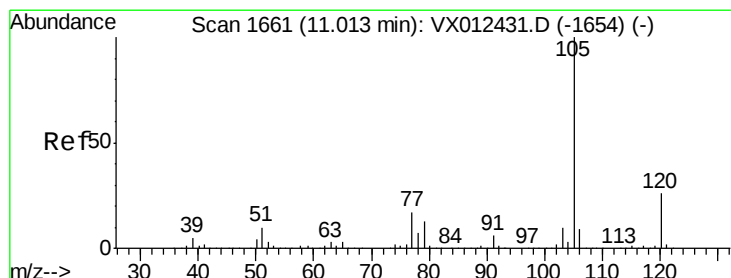
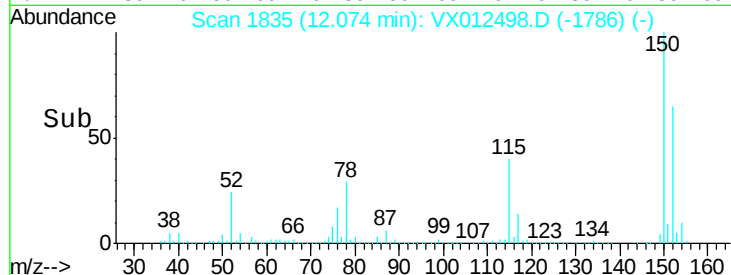
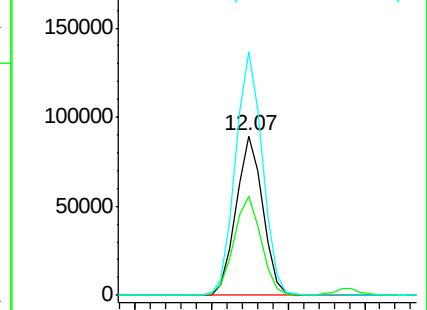
9/19/2019 1:06:33 PM



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: 4.080 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012498.D

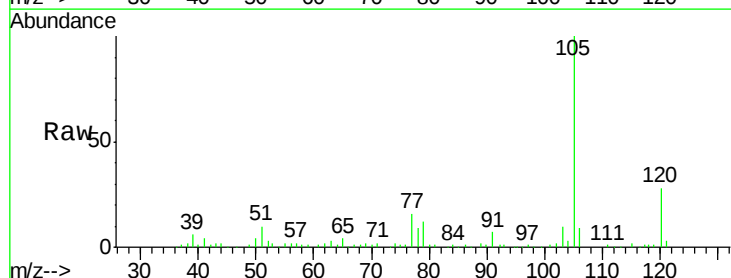
Acq: 19 Sep 2019 01:31

Tgt Ion:105 Resp: 27571

Ion Ratio Lower Upper

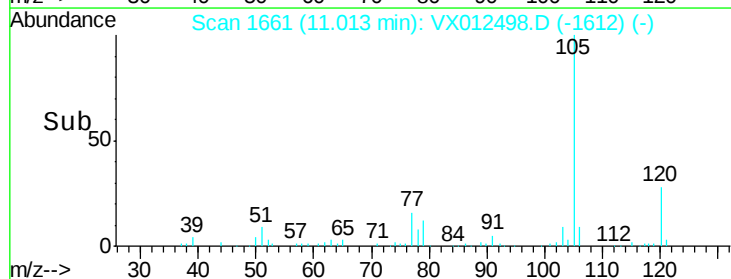
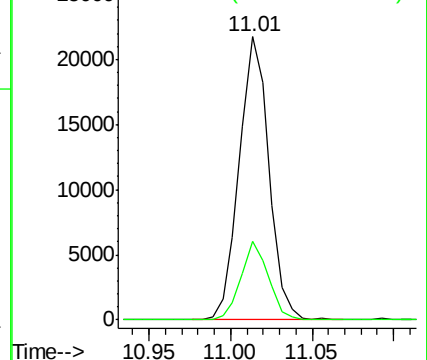
105 100

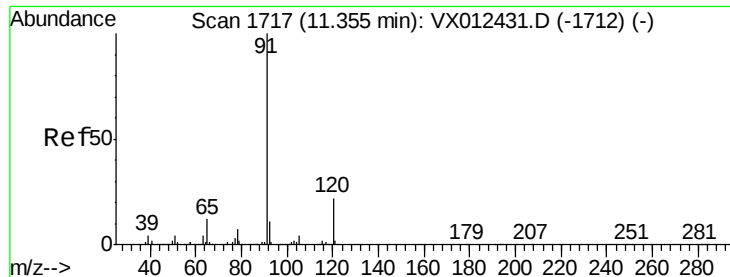
120 25.7 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 3.816 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012498.D

Acq: 19 Sep 2019 01:31

Instrument :

MSVOA_X

ClientSampled :

S13-0278

Tot Ion: 91 Resp: 28738

Ion Ratio Lower Upper

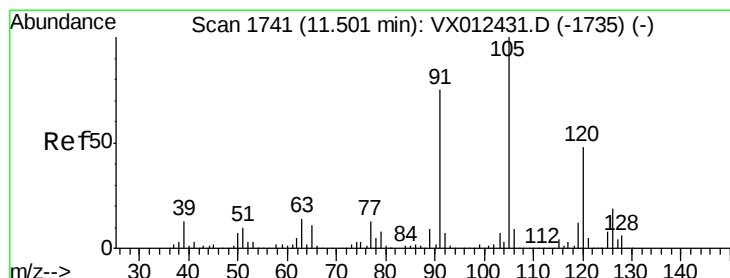
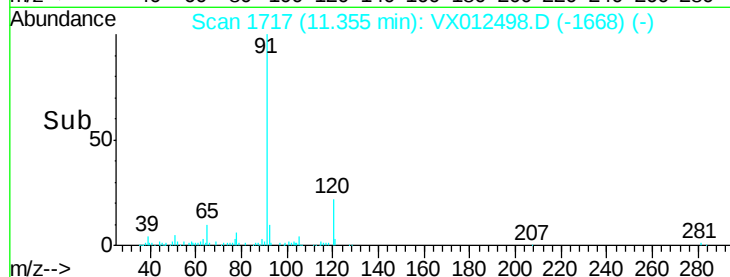
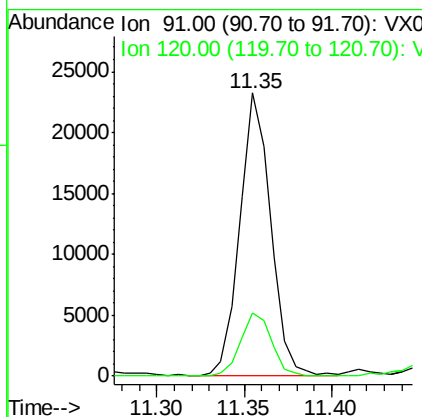
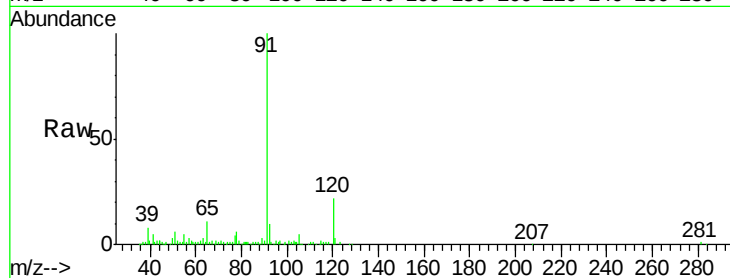
91 100

120 22.3 11.3 33.8

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#80

1,3,5-Trimethylbenzene

Concen: 1.171 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VX012498.D

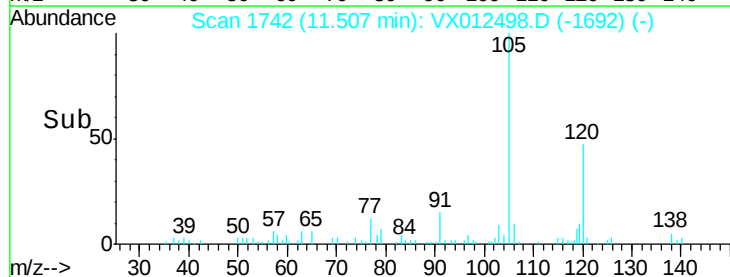
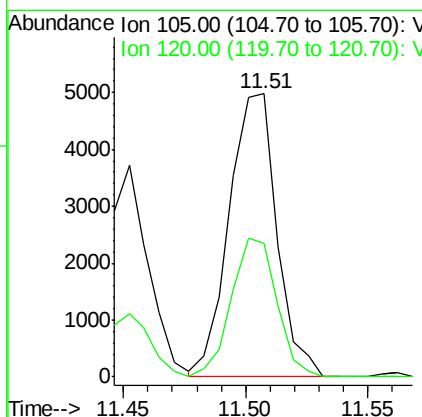
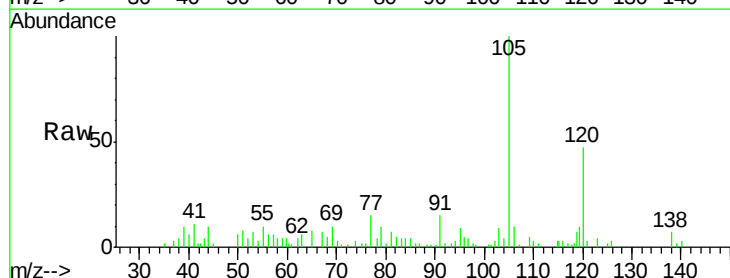
Acq: 19 Sep 2019 01:31

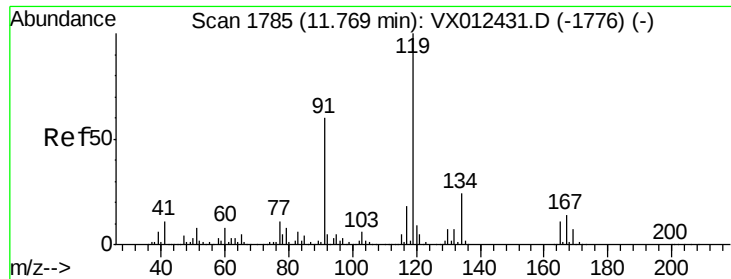
Tgt Ion: 105 Resp: 6747

Ion Ratio Lower Upper

105 100

120 46.6 24.3 72.8





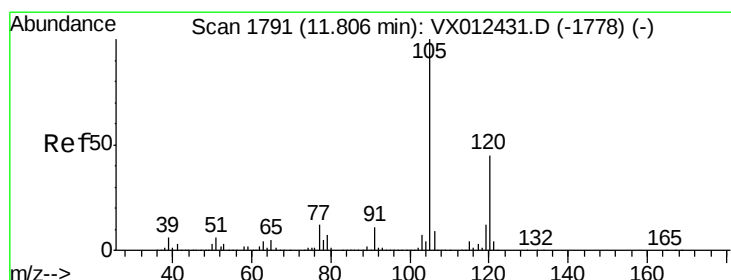
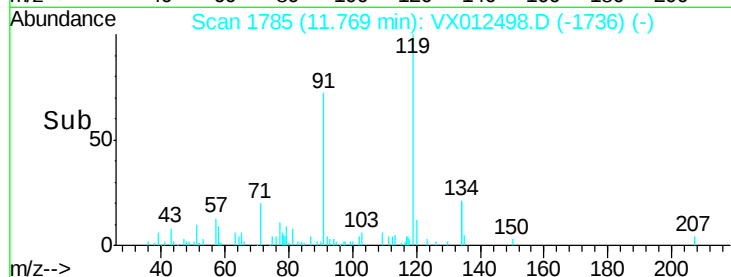
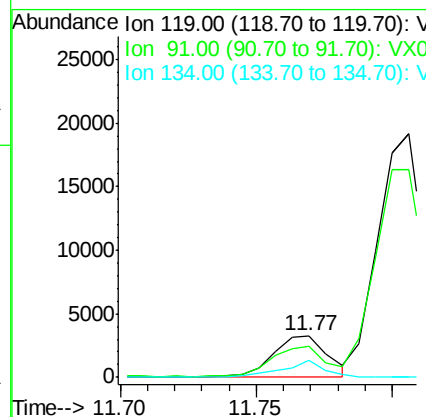
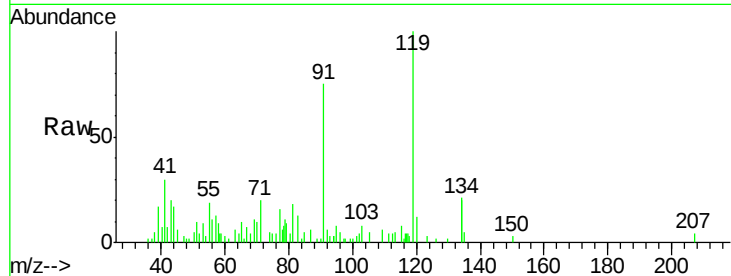
#83
 tert-Butylbenzene
 Concen: 0.734 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: VX012498.D
 Acq: 19 Sep 2019 01:31

Instrument :
 MSVOA_X
 ClientSampled :
 S13-0278

Tot Ion	Ratio	Lower	Upper
119	100		
91	78.1	30.0	90.0
134	30.6	11.3	33.9

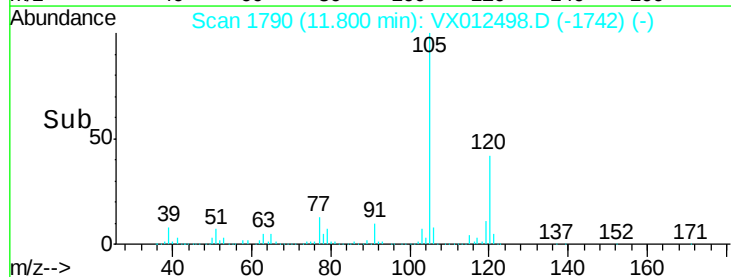
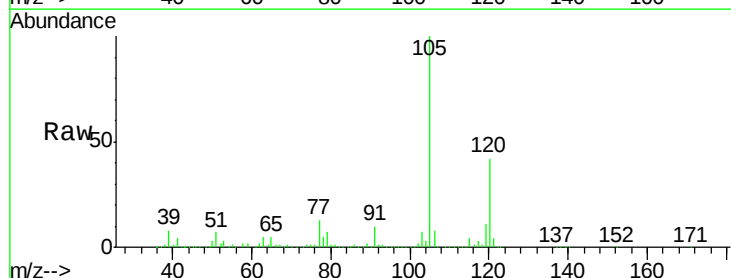
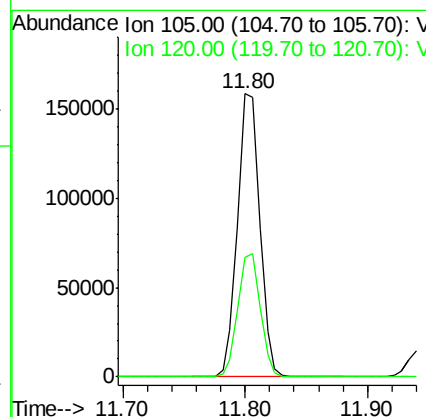
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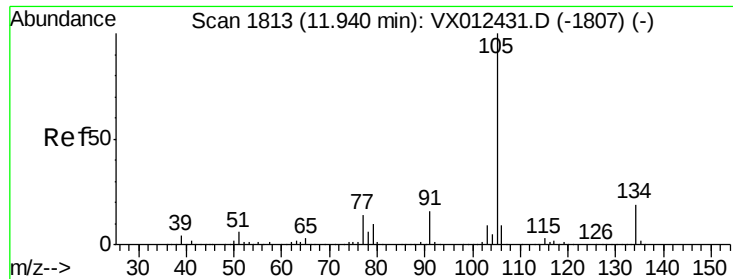
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#84
 1,2,4-Trimethylbenzene
 Concen: 33.622 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012498.D
 Acq: 19 Sep 2019 01:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.2	66.6





#85

sec-Butylbenzene

Concen: 2.778 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012498.D

Acq: 19 Sep 2019 01:31

Instrument :

MSVOA_X

ClientSampleId :

S13-0278

Tot Ion:105 Resp: 18904

Ion Ratio Lower Upper

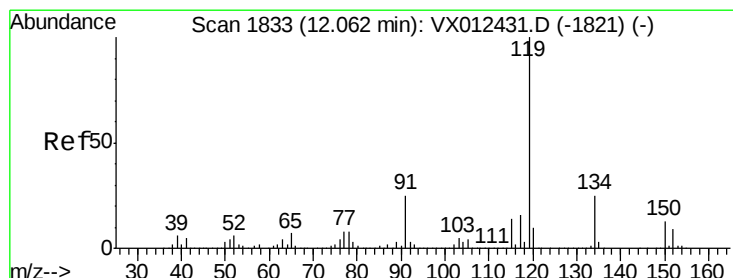
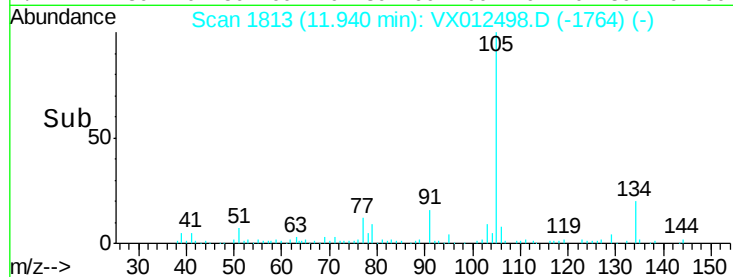
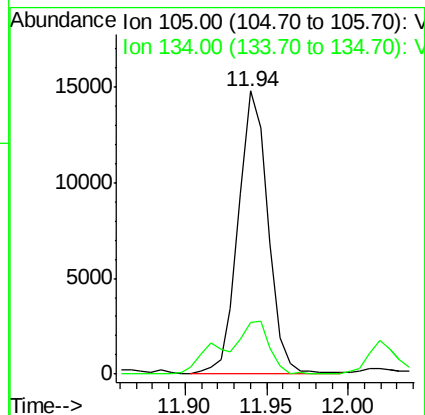
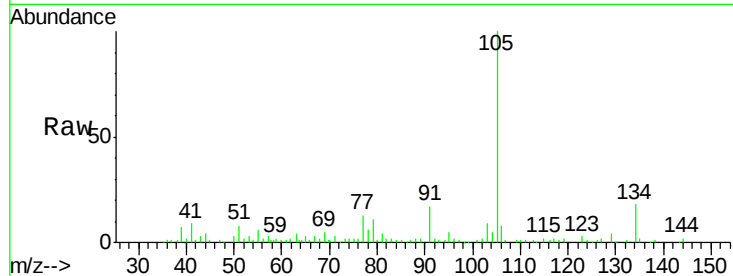
105 100

134 17.8 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 5.131 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012498.D

Acq: 19 Sep 2019 01:31

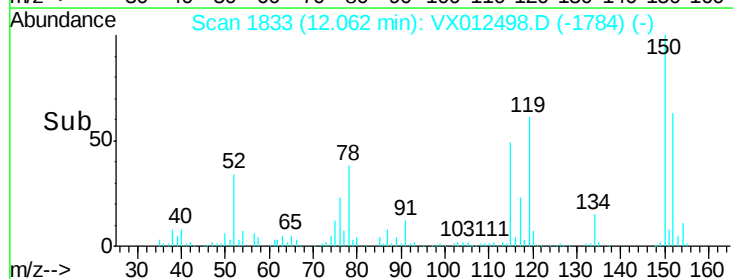
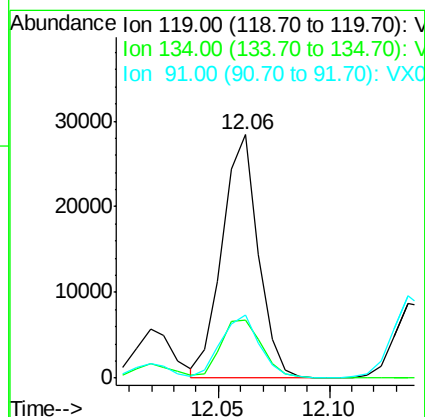
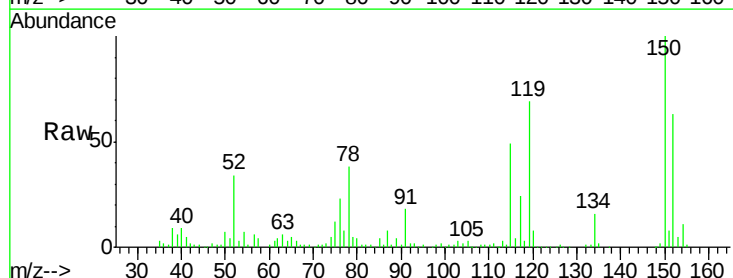
Tgt Ion:119 Resp: 32055

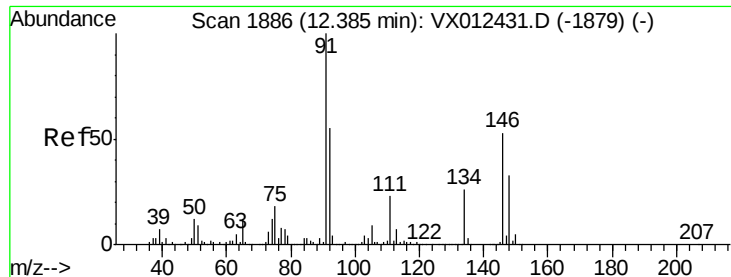
Ion Ratio Lower Upper

119 100

134 27.3 12.7 38.1

91 27.5 12.8 38.4





#89

n-Butylbenzene

Concen: 1.715 ug/l m

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX012498.D

Acq: 19 Sep 2019 01:31

Instrument :

MSVOA_X

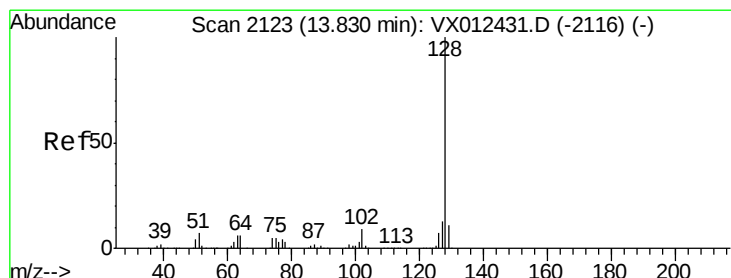
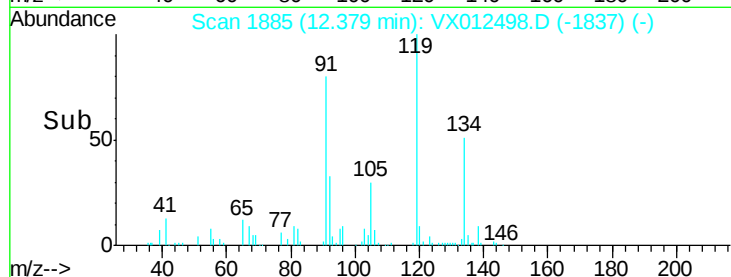
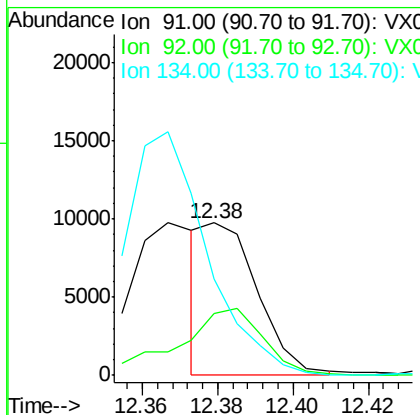
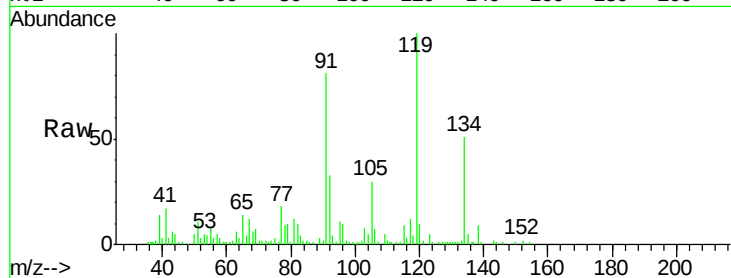
ClientSampled :

S13-0278

Tot Ion:	91	Resp:	9558
Ion	Ratio	Lower	Upper
91	100		
92	71.6	27.7	83.0
134	245.9	12.9	38.6#

Manual Integrations
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#95

Naphthalene

Concen: 7.187 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012498.D

Acq: 19 Sep 2019 01:31

Tgt Ion:	128	Resp:	53363
Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.2	15.4
129	17.0	8.8	13.2#

