

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010492.D
 Acq On : 27 Jun 2019 16:30
 Operator : JC/SP
 Sample : K3565-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0574

Manual Integrations
 APPROVED

MMDadoda
 6/28/2019 10:37:59 AM

Quant Time: Jun 28 07:36:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	261411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	397304	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	365175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177349	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	121113	49.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.82%	
35) Dibromofluoromethane	5.50	113	118718	48.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.68%	
50) Toluene-d8	8.71	98	468097	50.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	11.13	95	164464	48.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.96%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	1344	1.094	ug/l	90
31) Cyclohexane	5.59	56	70185	19.825	ug/l	99
39) Methylcyclohexane	7.46	83	53798	12.963	ug/l	97
52) Toluene	8.79	92	16261	2.510	ug/l	98
67) Ethyl Benzene	10.25	91	2026639	161.923	ug/l	99
68) m/p-Xylenes	10.36	106	1390038	286.626	ug/l	99
69) o-Xylene	10.70	106	799205	167.577	ug/l	100
73) Isopropylbenzene	11.02	105	504746	41.985	ug/l	99
78) n-propylbenzene	11.36	91	717447	54.299	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1253704	126.499	ug/l	99
83) tert-Butylbenzene	11.77	119	8369m	0.841	ug/l	
84) 1,2,4-Trimethylbenzene	11.81	105	4641207	466.115	ug/l	99
85) sec-Butylbenzene	11.94	105	39420m	3.375	ug/l	
86) p-Isopropyltoluene	12.06	119	46362m	4.292	ug/l	
95) Naphthalene	13.83	128	994326	80.115	ug/l	100

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

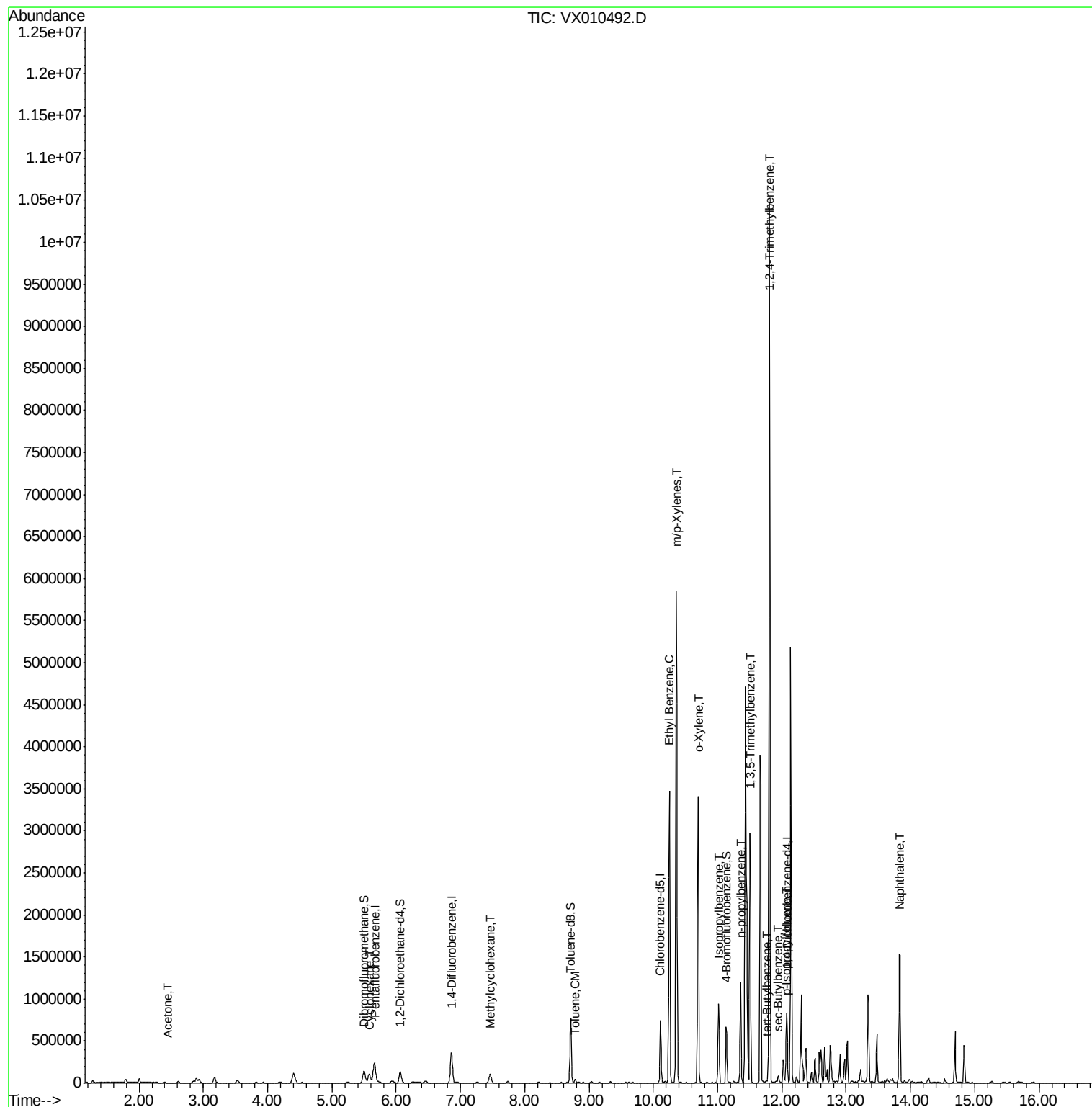
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062719\
Data File : VX010492.D
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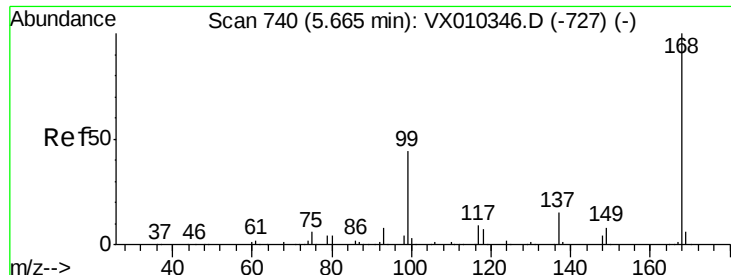
Instrument :
MSVOA_X
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6/28/2019 10:37:59 AM

Quant Time: Jun 28 07:36:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
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: VX010492.D

Acq: 27 Jun 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

FL-0574

Tot Ion:168 Resp: 261411

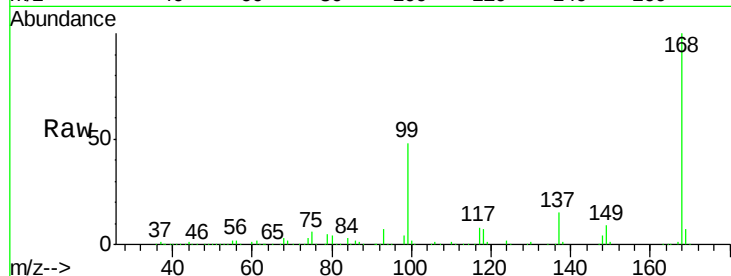
Ion Ratio Lower Upper

168 100

99 48.1 35.5 53.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

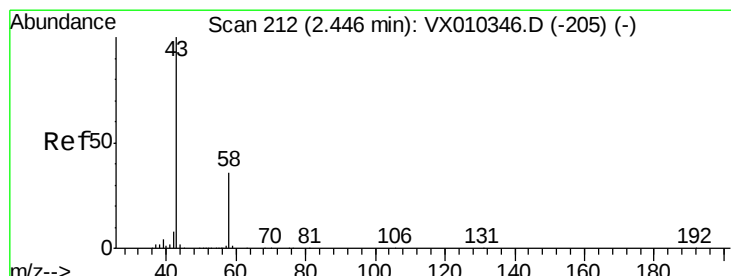
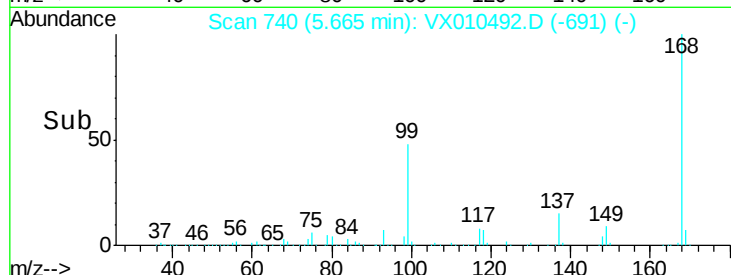
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 1.094 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010492.D

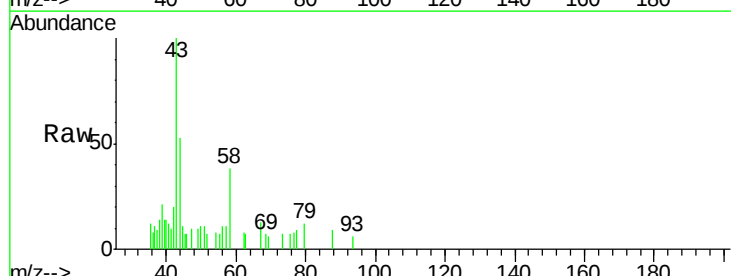
Acq: 27 Jun 2019 16:30

Tgt Ion: 43 Resp: 1344

Ion Ratio Lower Upper

43 100

58 41.8 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

3000

2500

2000

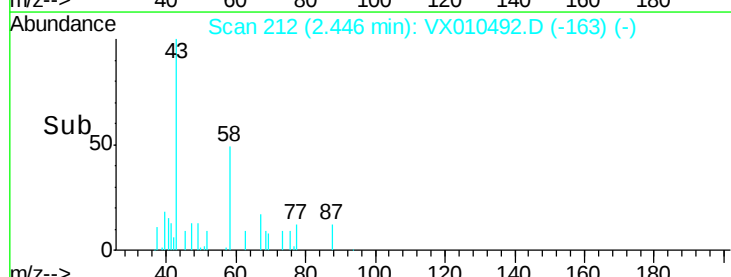
1500

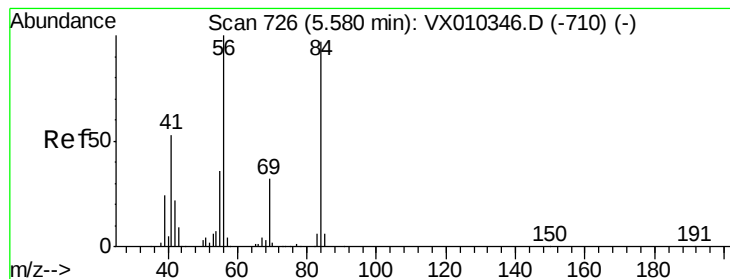
1000

500

0

Time--> 2.40 2.45 2.50 2.55





#31

Cyclohexane

Concen: 19.825 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010492.D

Acq: 27 Jun 2019 16:30

Instrument :

MSVOA_X

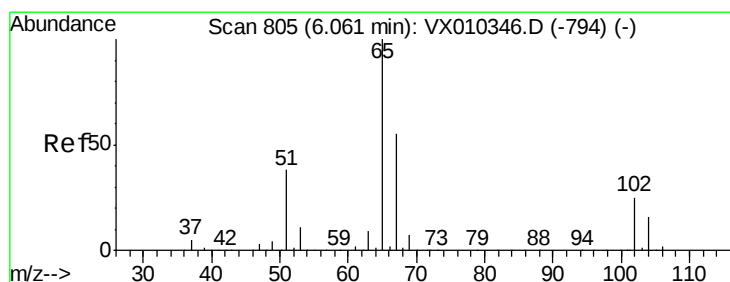
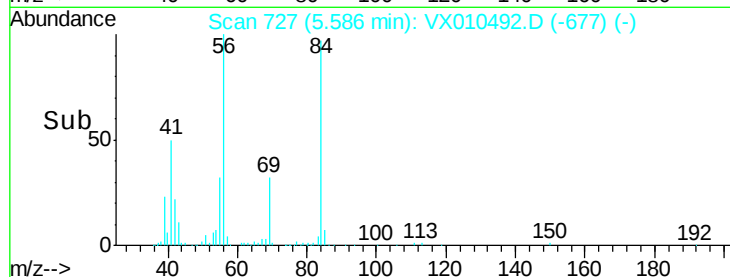
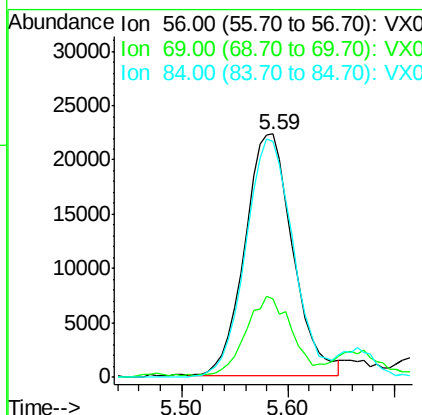
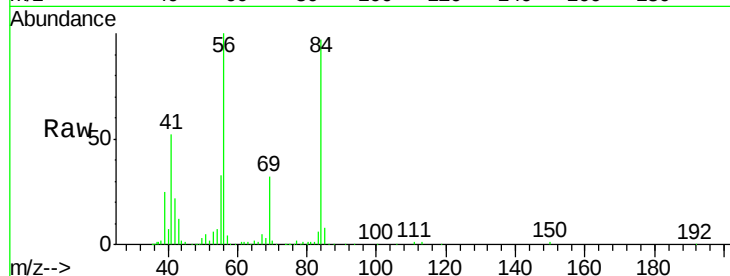
ClientSampleId :

FL-0574

Tot Ion:	56	Resp:	70185
Ion	Ratio	Lower	Upper
56	100		
69	31.2	25.9	38.9
84	97.2	78.0	117.0

Manual Integrations
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#33

1,2-Dichloroethane-d4

Concen: 49.414 ug/l

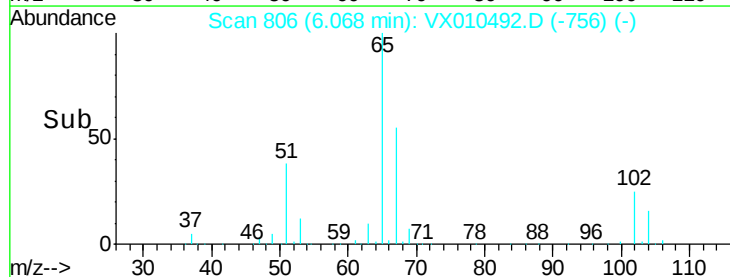
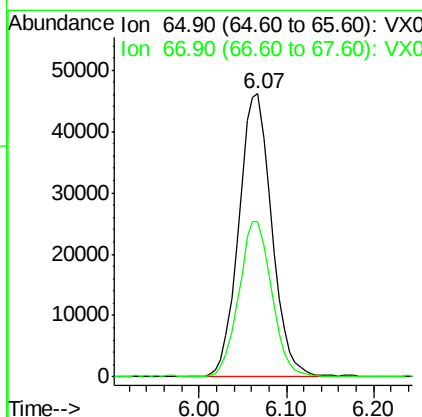
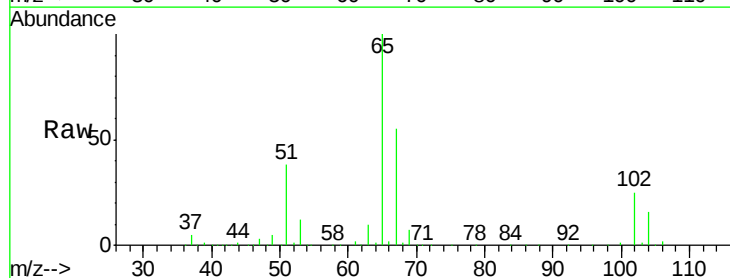
RT: 6.07 min Scan# 806

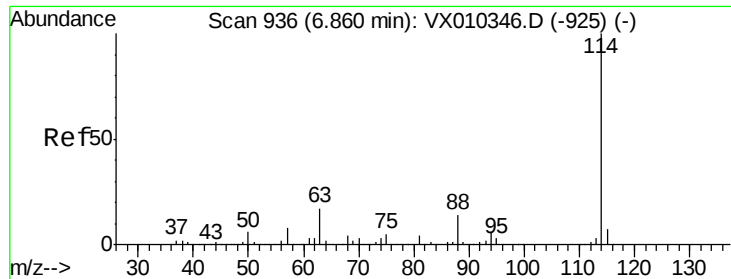
Delta R.T. 0.01 min

Lab File: VX010492.D

Acq: 27 Jun 2019 16:30

Tgt Ion:	65	Resp:	121113
Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010492.D

Acq: 27 Jun 2019 16:30

Instrument :

MSVOA_X

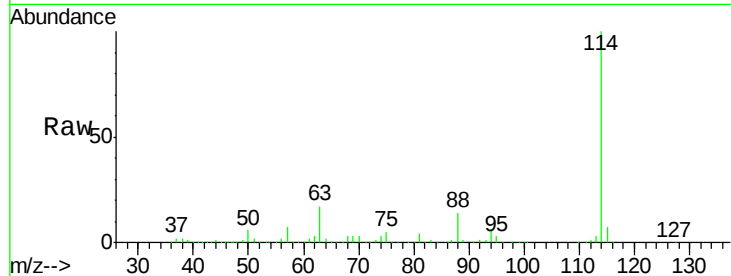
ClientSampleId :

FL-0574

Tot Ion:	114	Resp:	397304
Ion Ratio	Lower	Upper	
114	100		
63	17.0	0.0	33.8
88	14.3	0.0	27.6

Manual Integrations
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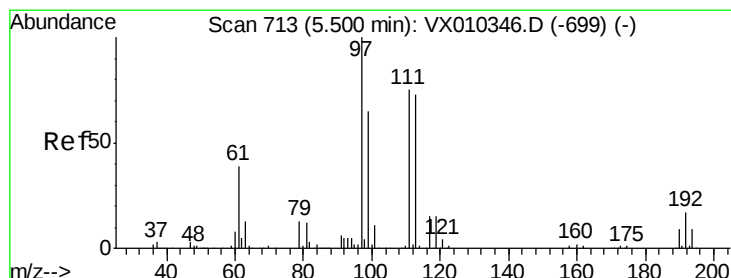
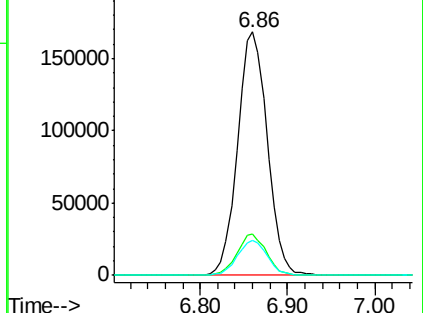
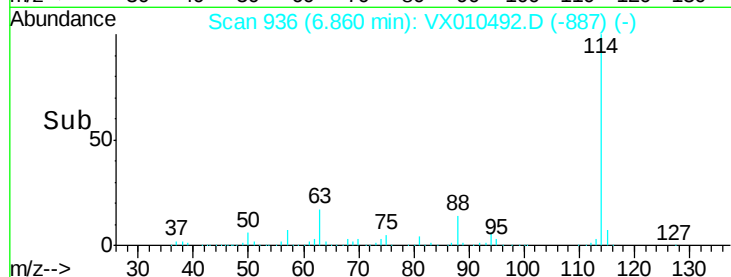
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.838 ug/l

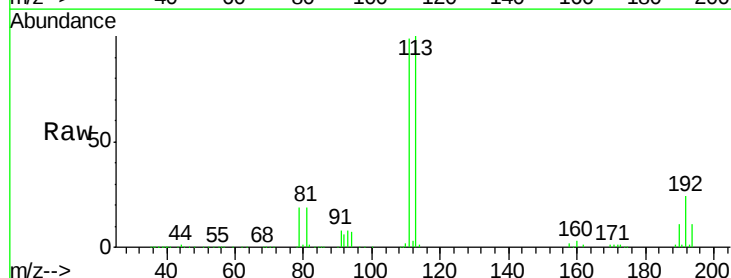
RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010492.D

Acq: 27 Jun 2019 16:30

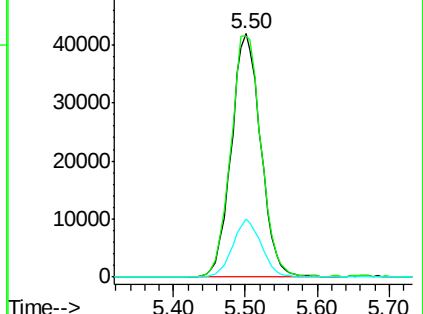
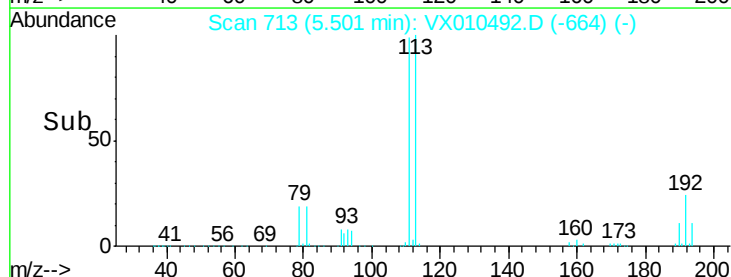
Tgt Ion:	113	Resp:	118718
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.2	121.8
192	23.3	18.6	27.8

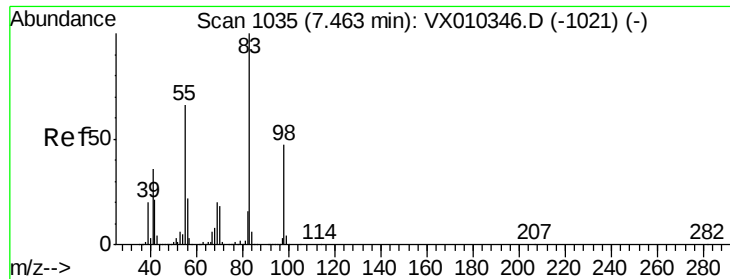


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





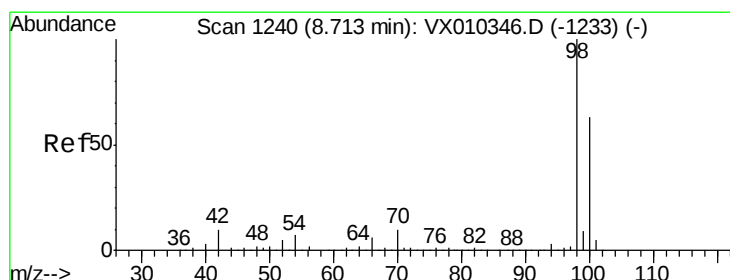
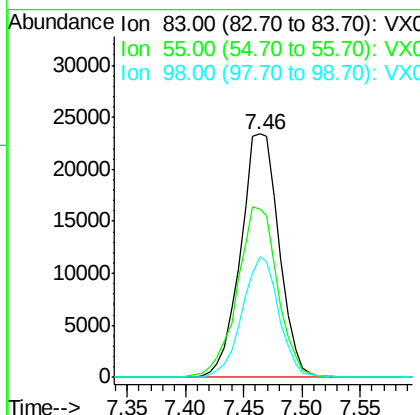
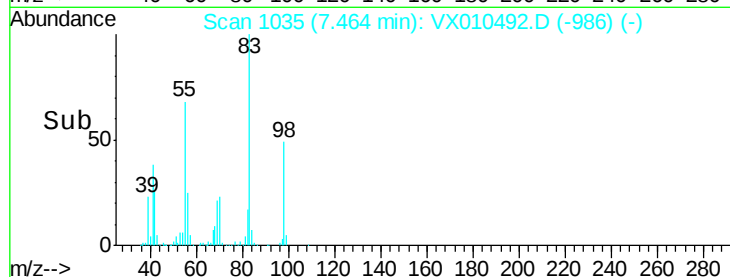
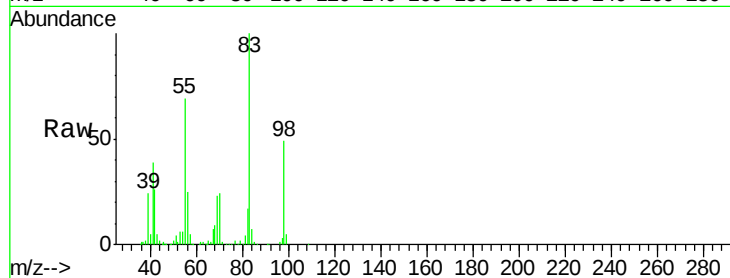
#39
Methvlcvclohexane
Concen: 12.963 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010492.D
Acq: 27 Jun 2019 16:30

Instrument :
MSVOA_X
ClientSampled :
FL-0574

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.8	53.0	79.6
98	49.5	37.8	56.8

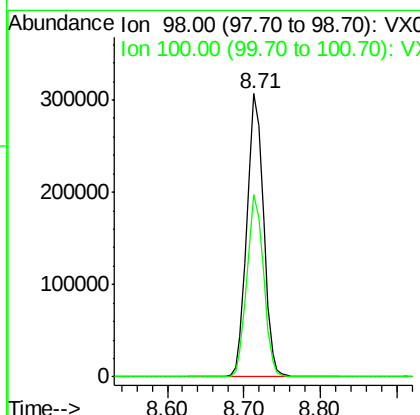
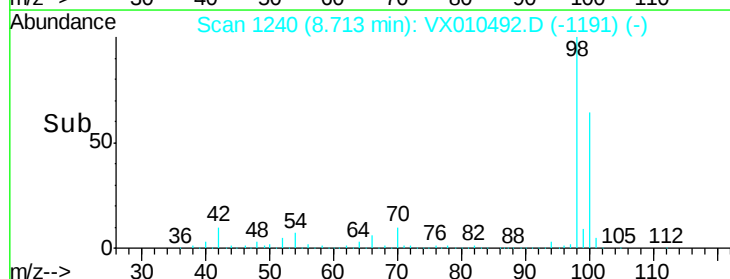
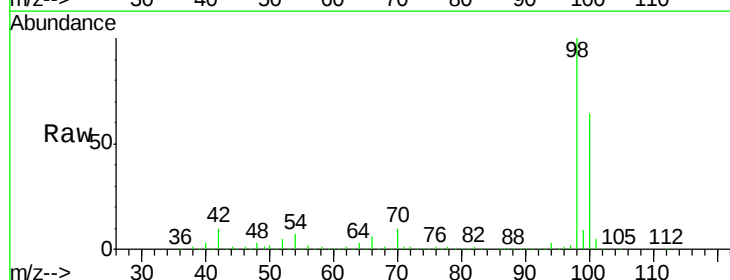
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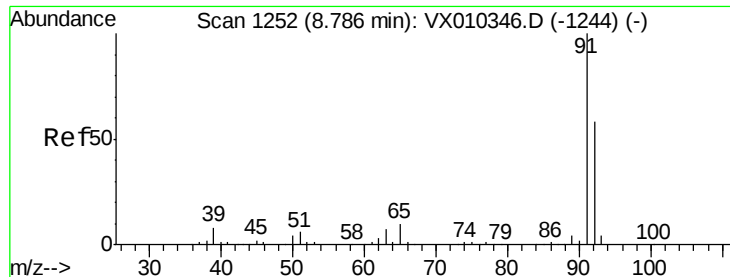
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#50
Toluene-d8
Concen: 50.333 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010492.D
Acq: 27 Jun 2019 16:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.6	77.4





#52

Toluene

Concen: 2.510 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010492.D

Acq: 27 Jun 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

FL-0574

Tot Ion: 92 Resp: 16261

Ion Ratio Lower Upper

92 100

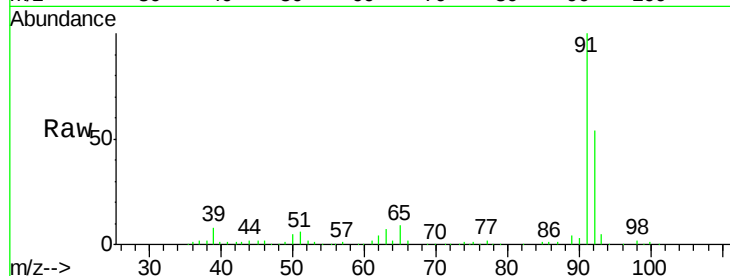
91 177.9 139.8 209.6

Manual Integrations

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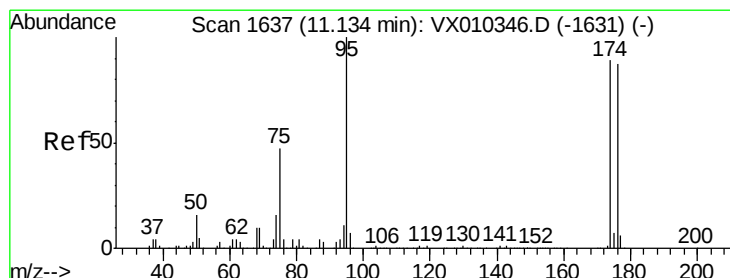
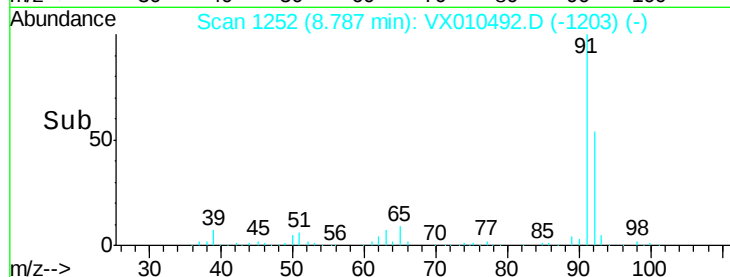
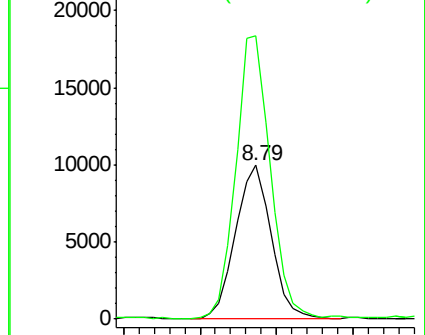
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 48.983 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010492.D

Acq: 27 Jun 2019 16:30

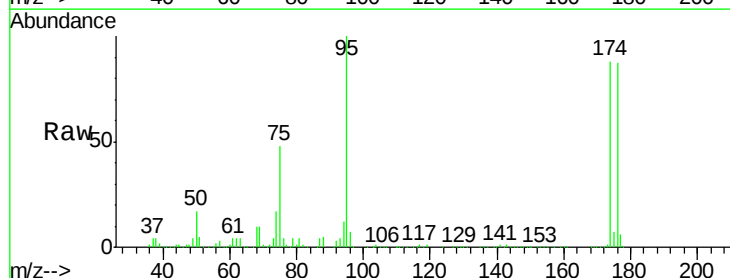
Tgt Ion: 95 Resp: 164464

Ion Ratio Lower Upper

95 100

174 94.5 0.0 187.6

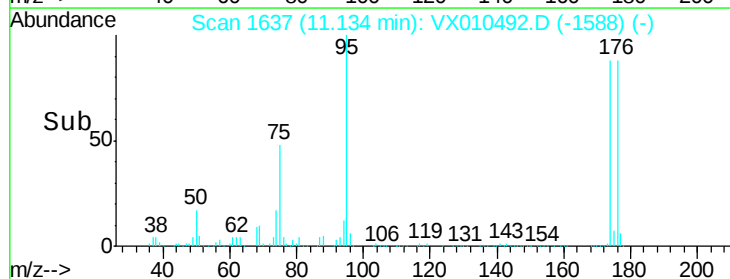
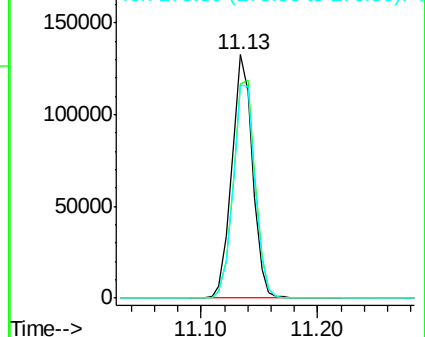
176 92.1 0.0 184.0

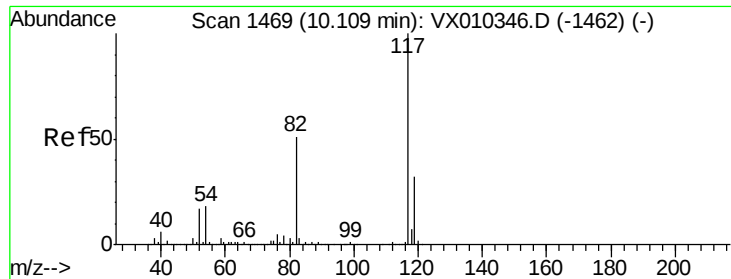


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





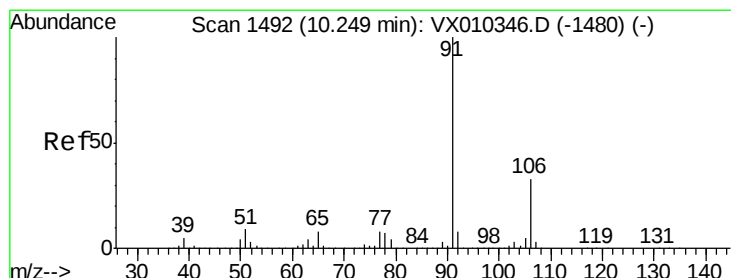
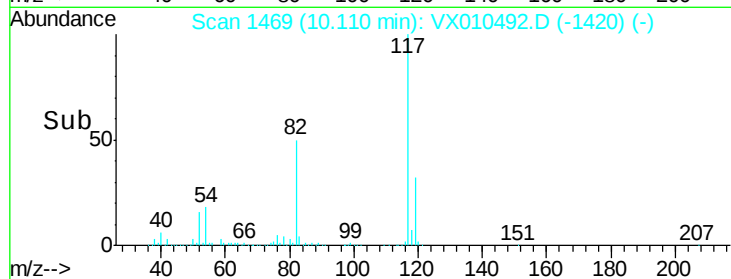
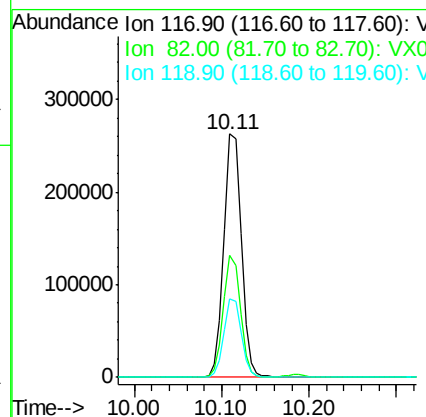
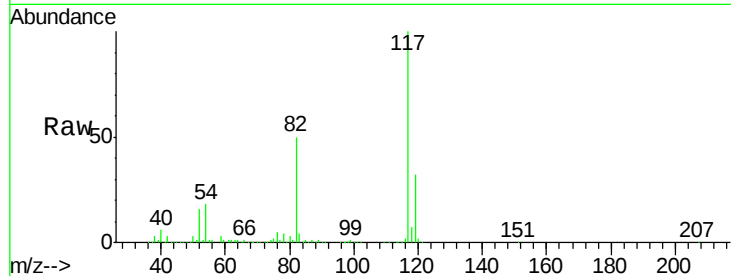
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010492.D
Acq: 27 Jun 2019 16:30

Instrument :
MSVOA_X
ClientSampleId :
FL-0574

Tot Ion	Ratio	Resp	Lower	Upper
117	100	365175		
82	50.0	41.2	61.8	
119	32.3	25.5	38.3	

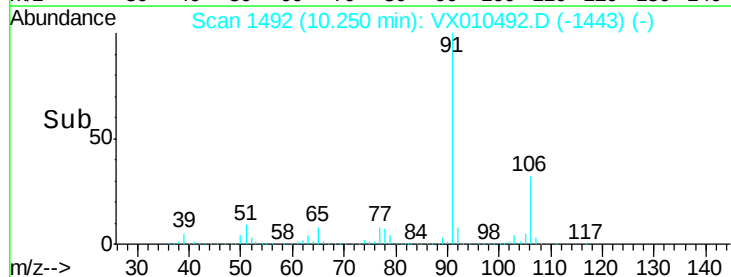
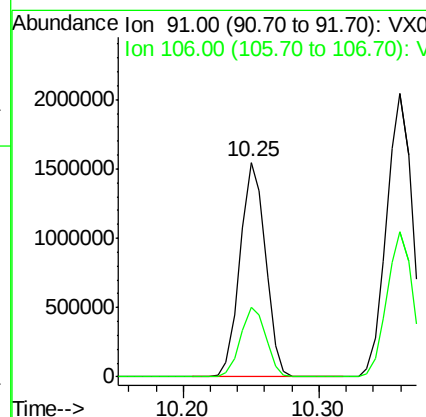
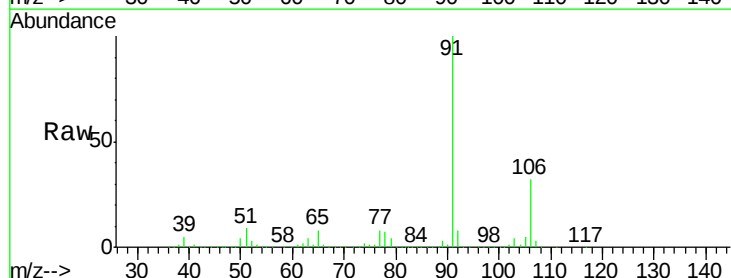
Manual Integrations
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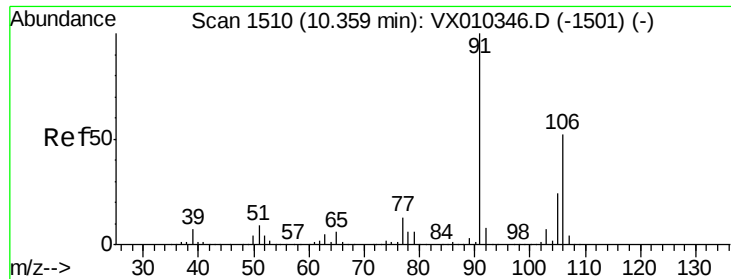
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#67
Ethyl Benzene
Concen: 161.923 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010492.D
Acq: 27 Jun 2019 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2026639		
106	32.3	26.2	39.2	





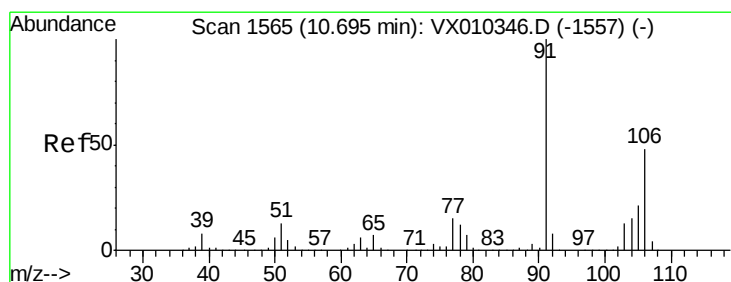
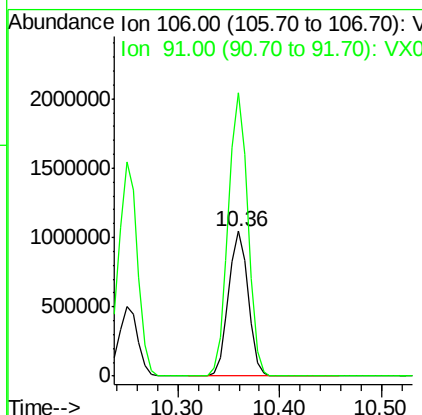
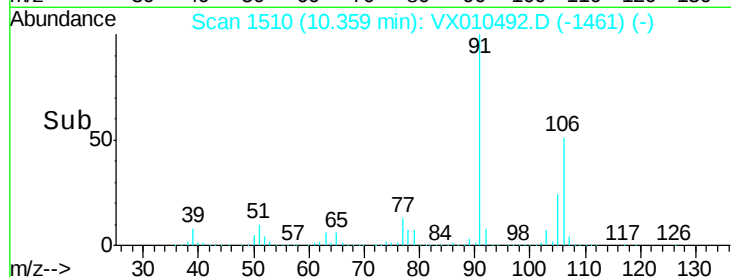
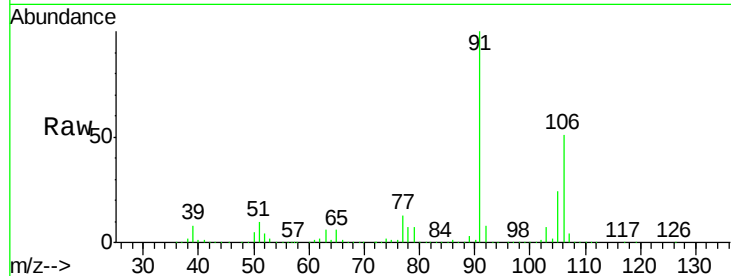
#68
m/p-Xylenes
Concen: 286.626 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010492.D
Acq: 27 Jun 2019 16:30

Instrument :
MSVOA_X
ClientSampled :
FL-0574

Tot Ion:106 Resp: 1390038
Ion Ratio Lower Upper
106 100
91 194.9 155.3 232.9

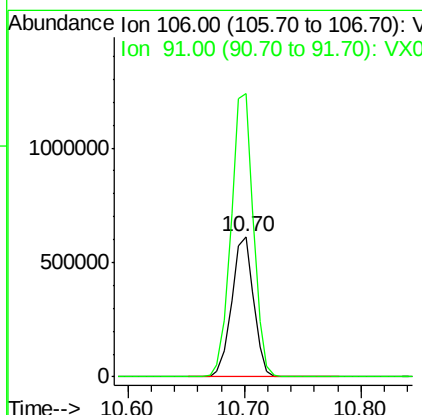
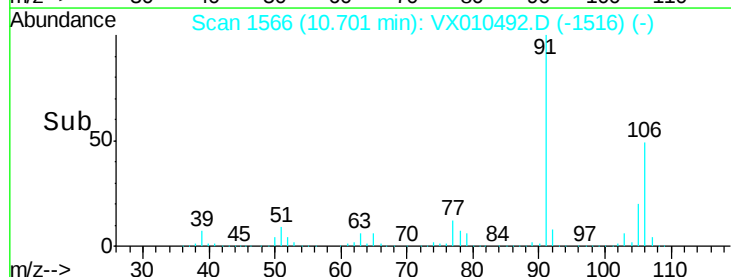
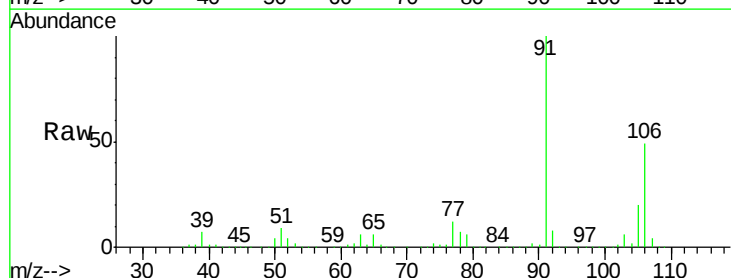
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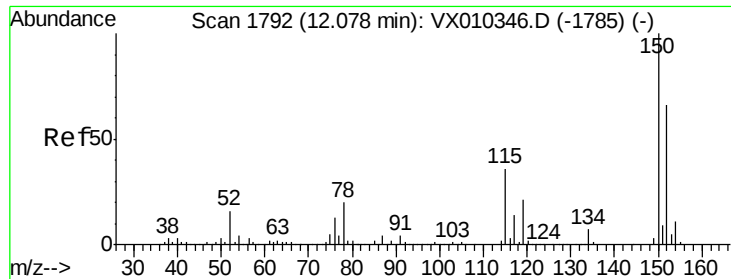
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#69
o-Xylene
Concen: 167.577 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010492.D
Acq: 27 Jun 2019 16:30

Tgt Ion:106 Resp: 799205
Ion Ratio Lower Upper
106 100
91 205.9 102.7 308.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010492.D

Acq: 27 Jun 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

FL-0574

Tot Ion:152 Resp: 177349

Ion Ratio Lower Upper

152 100

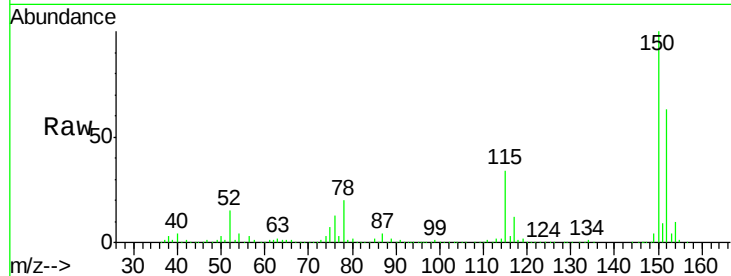
115 57.6 38.6 115.7

150 157.5 0.0 347.4

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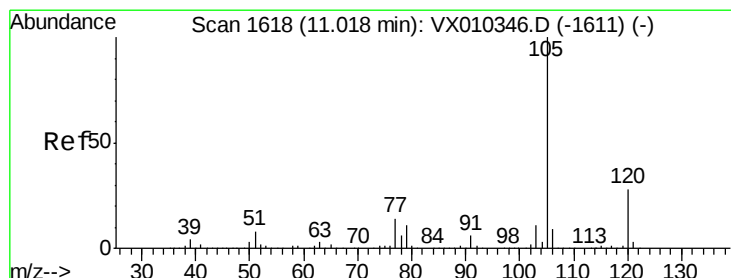
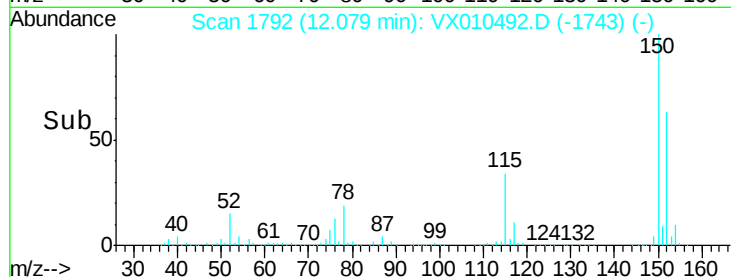
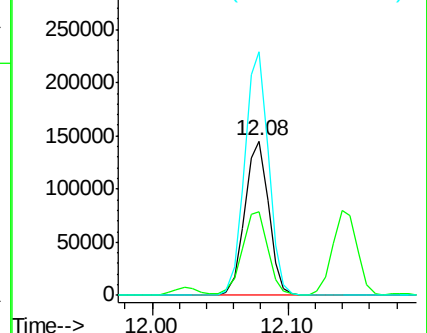
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 41.985 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010492.D

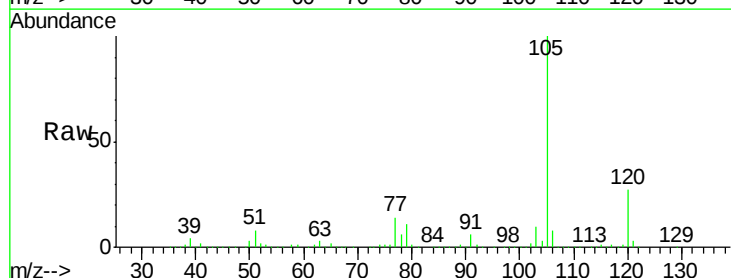
Acq: 27 Jun 2019 16:30

Tgt Ion:105 Resp: 504746

Ion Ratio Lower Upper

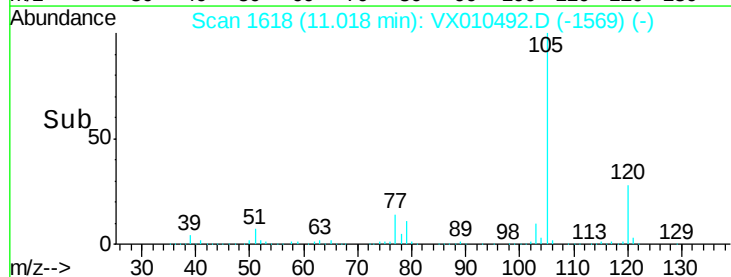
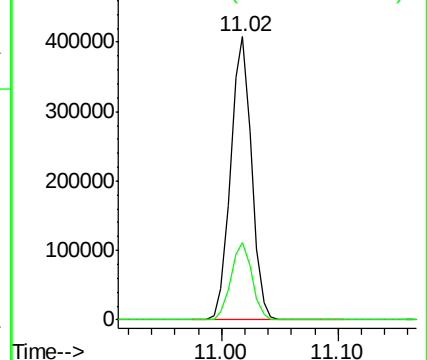
105 100

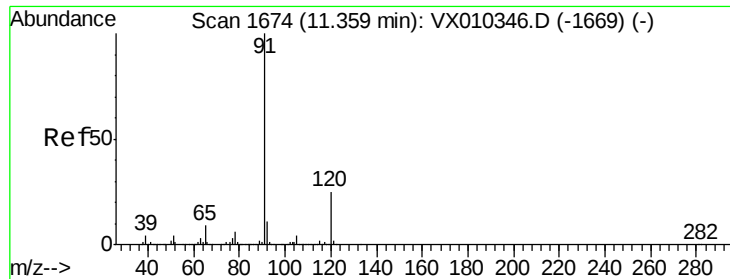
120 27.6 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 54.299 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010492.D

Acq: 27 Jun 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

FL-0574

Tot Ion: 91 Resp: 717447

Ion Ratio Lower Upper

91 100

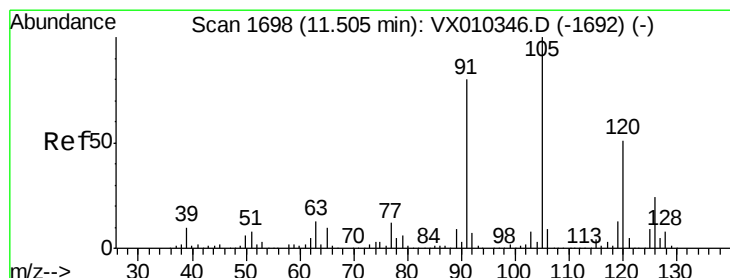
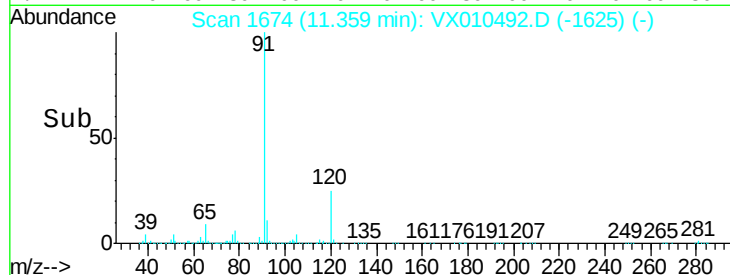
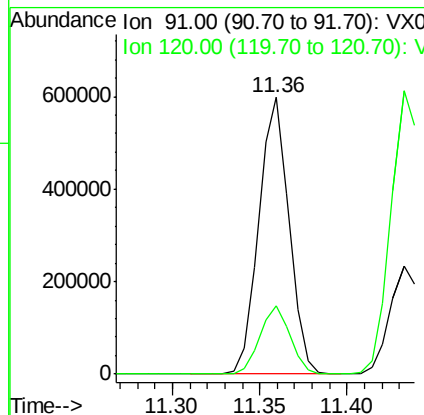
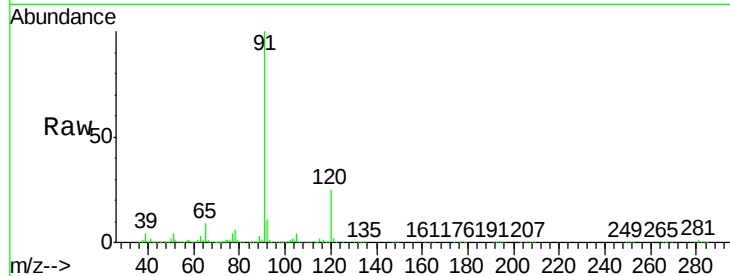
120 24.5 12.4 37.4

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#80

1,3,5-Trimethylbenzene

Concen: 126.499 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010492.D

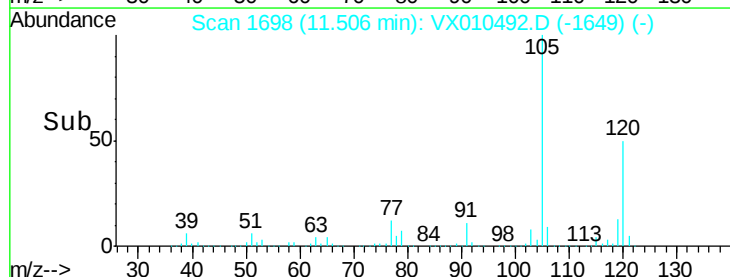
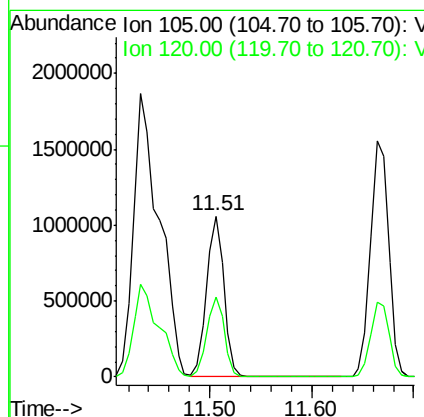
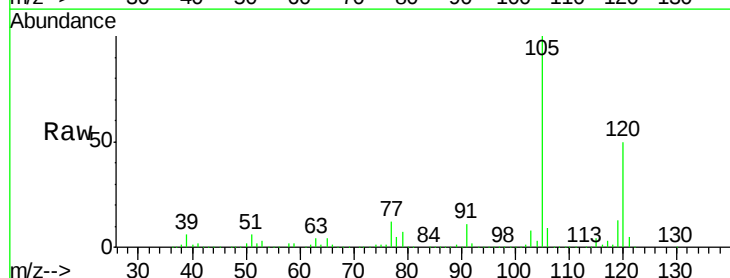
Acq: 27 Jun 2019 16:30

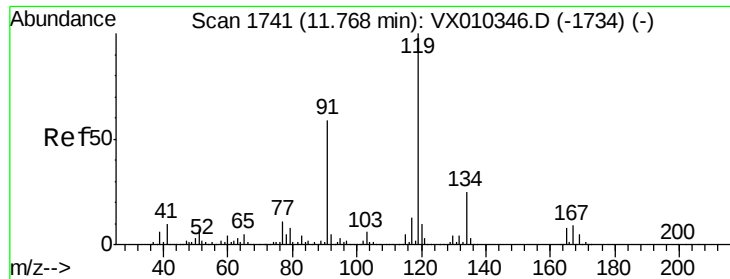
Tgt Ion: 105 Resp: 1253704

Ion Ratio Lower Upper

105 100

120 50.0 25.2 75.6





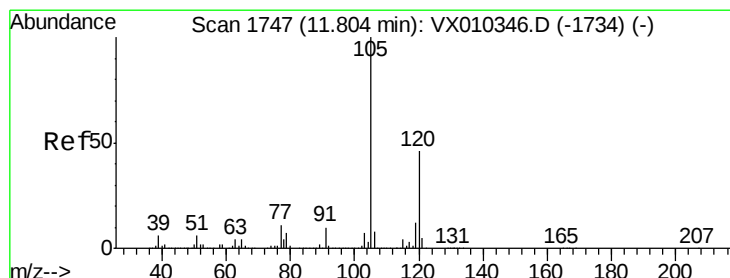
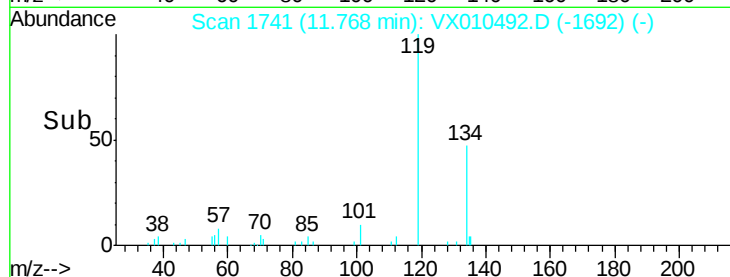
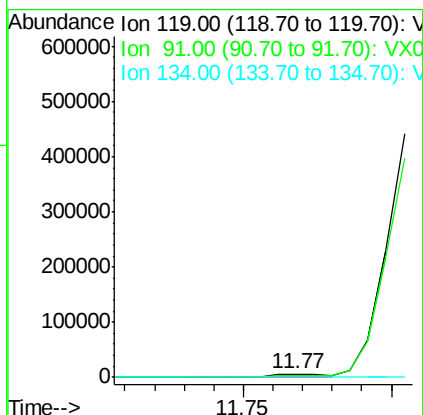
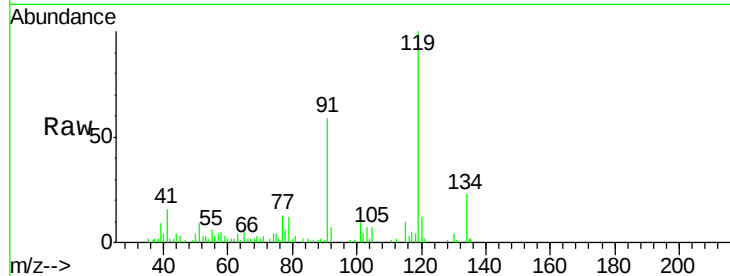
#83
tert-Butylbenzene
Concen: 0.841 ug/l m
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010492.D
Acq: 27 Jun 2019 16:30

Instrument :
MSVOA_X
ClientSampled :
FL-0574

Tot Ion:119 Resp: 8369
Ion Ratio Lower Upper
119 100
91 6090.9 27.6 82.7
134 0.0 11.8 35.4#

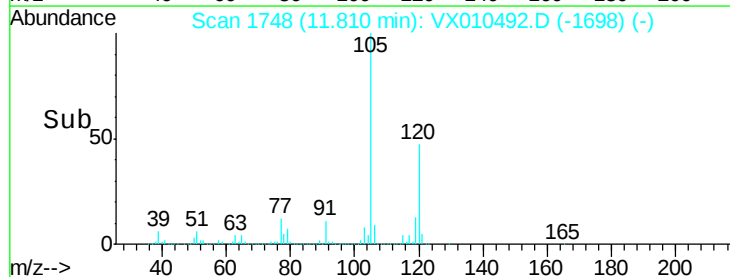
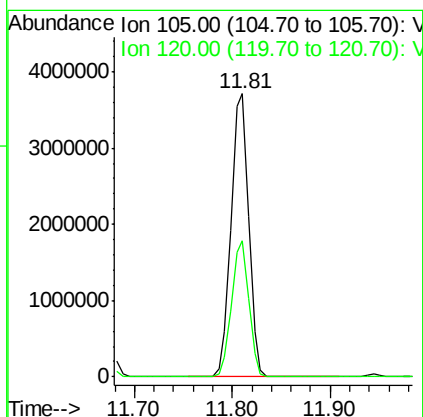
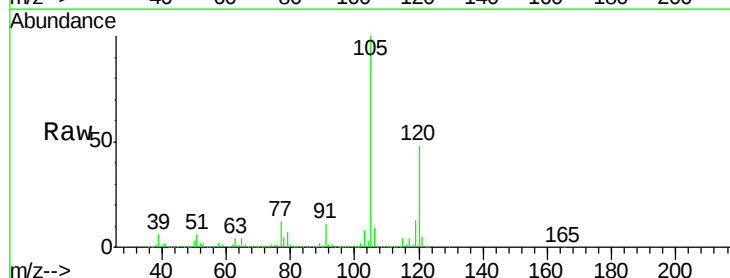
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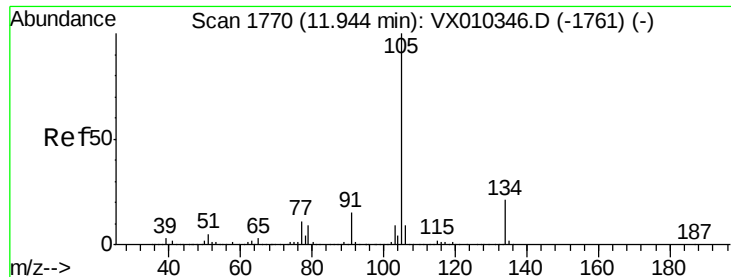
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#84
1,2,4-Trimethylbenzene
Concen: 466.115 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VX010492.D
Acq: 27 Jun 2019 16:30

Tgt Ion:105 Resp: 4641207
Ion Ratio Lower Upper
105 100
120 47.1 23.1 69.2





#85

sec-Butylbenzene

Concen: 3.375 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010492.D

Acq: 27 Jun 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

FL-0574

Tot Ion:105 Resp: 39420

Ion Ratio Lower Upper

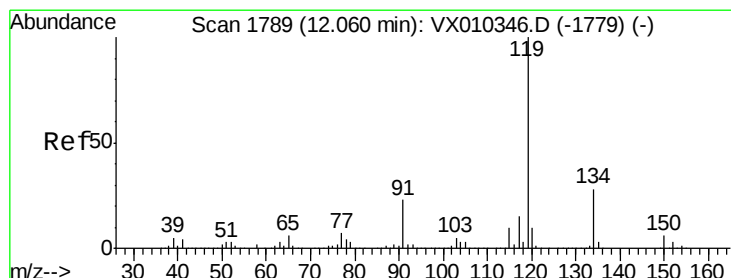
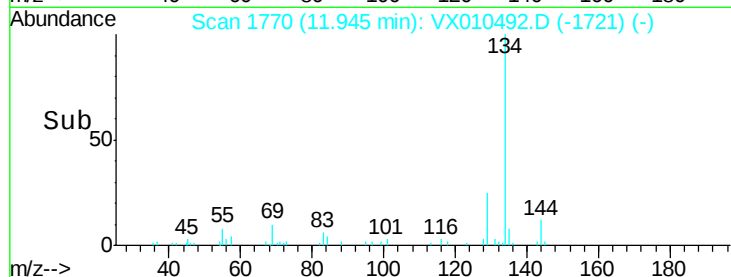
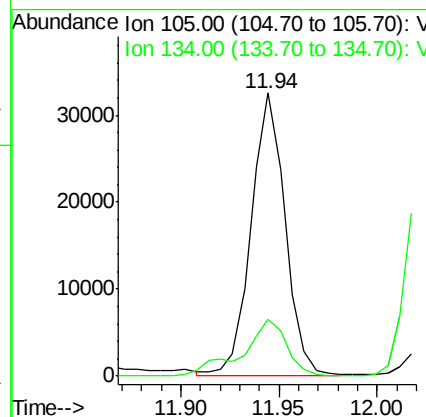
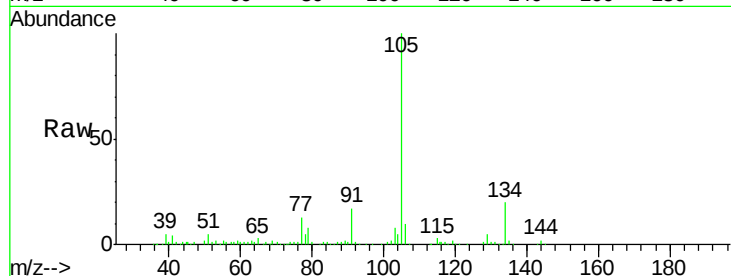
105 100

134 0.0 10.7 31.9#

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 4.292 ug/l m

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010492.D

Acq: 27 Jun 2019 16:30

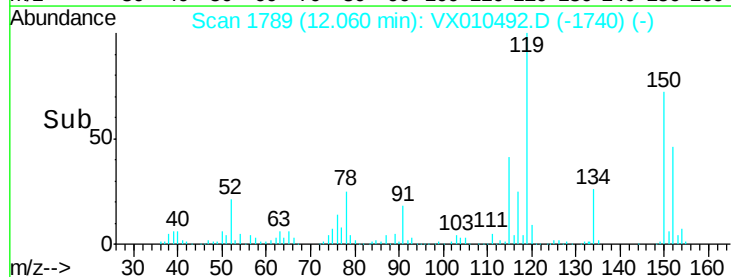
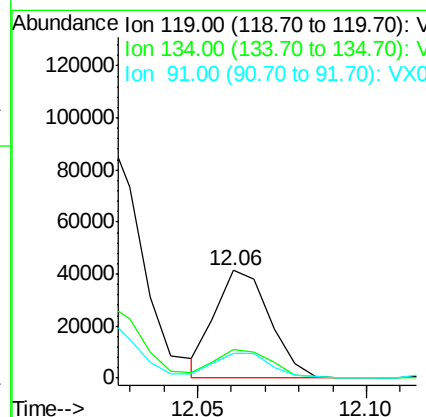
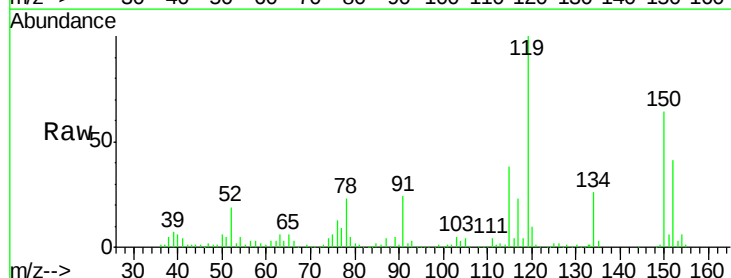
Tgt Ion:119 Resp: 46362

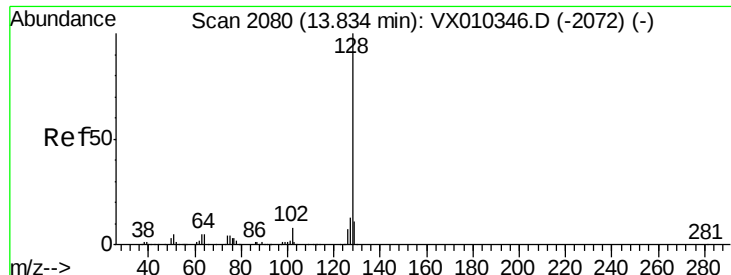
Ion Ratio Lower Upper

119 100

134 73.1 13.7 41.1#

91 56.1 11.3 33.8#





#95
Naphthalene
Concen: 80.115 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010492.D
Acq: 27 Jun 2019 16:30

Instrument :
MSVOA_X
ClientSampleId :
FL-0574

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.9	10.2	15.4
129	11.0	8.9	13.3

Manual Integrations
APPROVED

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6/28/2019 10:37:59 AM

