

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010489.D
 Acq On : 27 Jun 2019 15:19
 Operator : JC/SP
 Sample : K3565-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0571

Manual Integrations
 APPROVED

MMDadoda
 6/28/2019 10:37:52 AM

Quant Time: Jun 28 07:28:46 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	255562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	389987	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	359223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185656	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	119377	49.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.64%	
35) Dibromofluoromethane	5.50	113	117208	49.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.24%	
50) Toluene-d8	8.71	98	471259	51.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.24%	
62) 4-Bromofluorobenzene	11.13	95	167008	50.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.34%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	22902	19.071	ug/l	97
25) 2-Butanone	4.68	43	6076	3.449	ug/l	96
31) Cyclohexane	5.58	56	588517	170.038	ug/l	99
39) Methylcyclohexane	7.46	83	455412	111.795	ug/l	99
40) Benzene	6.15	78	4855177	502.866	ug/l	98
52) Toluene	8.79	92	4385669	689.768	ug/l	96
67) Ethyl Benzene	10.26	91	5830572	473.567	ug/l	98
68) m/p-Xylenes	10.37	106	8632122	1809.439	ug/l	83
69) o-Xylene	10.70	106	2113424	450.484	ug/l	99
73) Isopropylbenzene	11.02	105	595245	47.297	ug/l	98
78) n-propylbenzene	11.36	91	634891	45.901	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1104333	106.442	ug/l	99
83) tert-Butylbenzene	11.77	119	16191	1.555	ug/l #	45
84) 1,2,4-Trimethylbenzene	11.80	105	3681527	353.191	ug/l	99
85) sec-Butylbenzene	11.94	105	70652m	5.779	ug/l	
86) p-Isopropyltoluene	12.06	119	84840	7.502	ug/l	98
89) n-Butylbenzene	12.38	91	99727	10.377	ug/l #	21
95) Naphthalene	13.83	128	1785620	137.435	ug/l	100

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

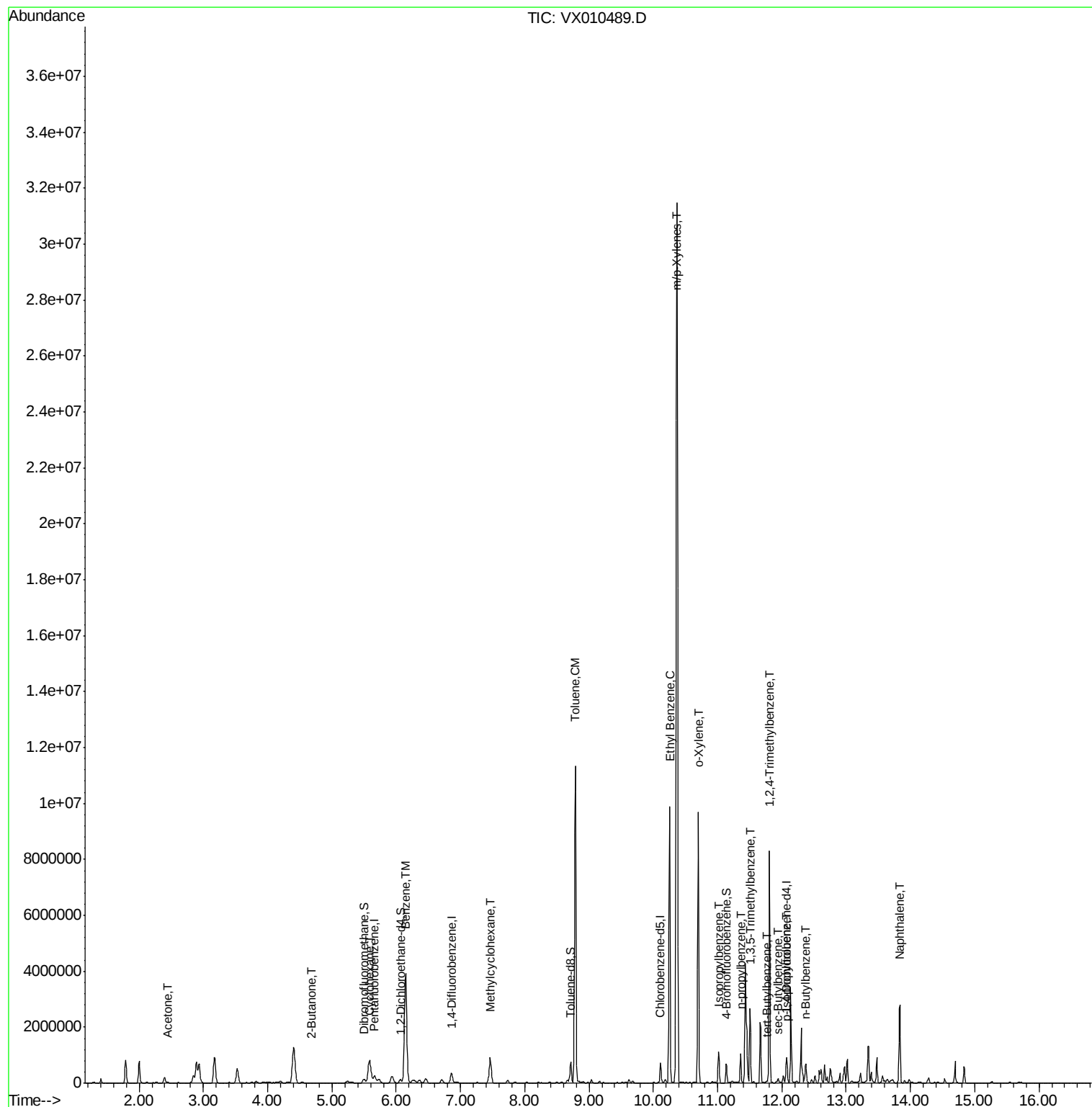
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062719\
Data File : VX010489.D
Acq On : 27 Jun 2019 15:19
Operator : JC/SP
Sample : K3565-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

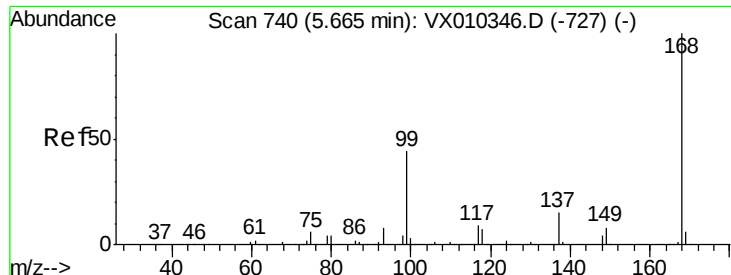
Instrument :
MSVOA_X
ClientSampleId :
FL-0571

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6/28/2019 10:37:52 AM

Quant Time: Jun 28 07:28:46 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: VX010489.D

Acq: 27 Jun 2019 15:19

Instrument :

MSVOA_X

ClientSampled :

FL-0571

Tot Ion:168 Resp: 255562

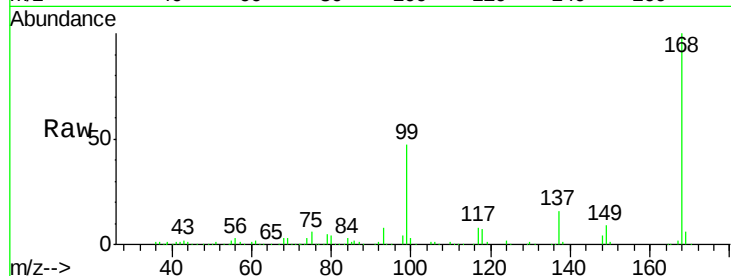
Ion Ratio Lower Upper

168 100

99 47.0 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

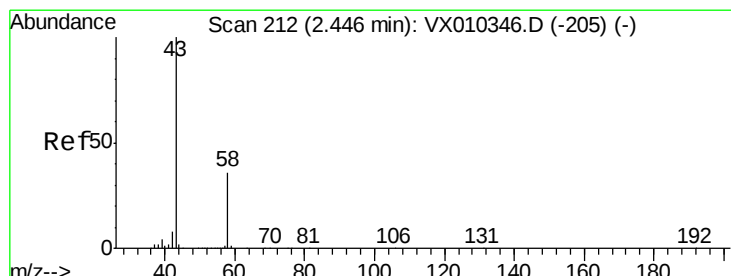
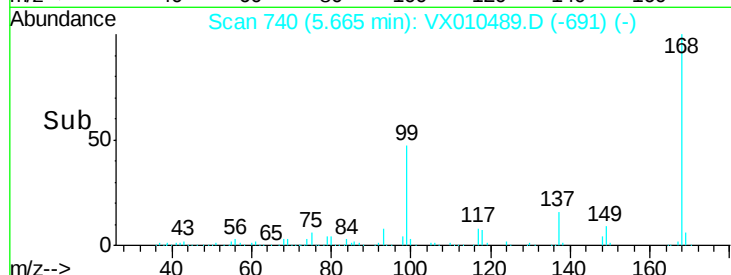
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 19.071 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010489.D

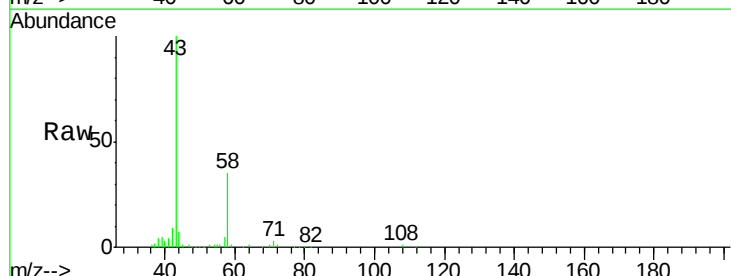
Acq: 27 Jun 2019 15:19

Tgt Ion: 43 Resp: 22902

Ion Ratio Lower Upper

43 100

58 34.2 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

40000

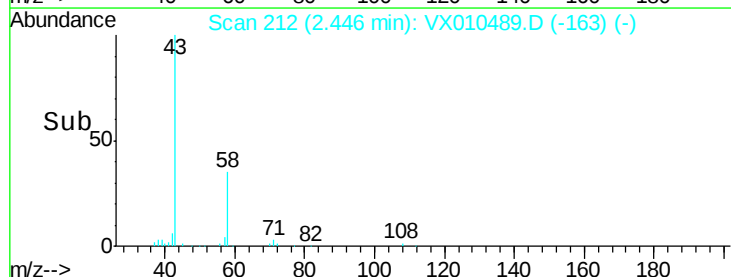
30000

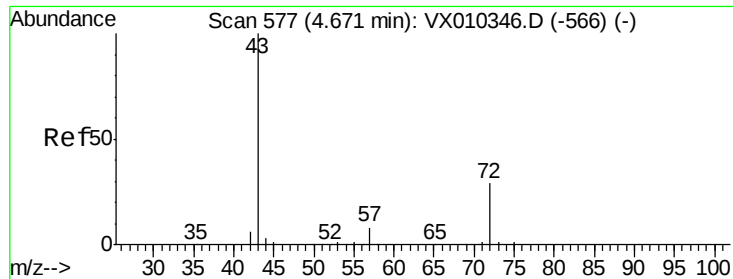
20000

10000

0

Time--> 2.40 2.45 2.50 2.55





#25

2-Butanone

Concen: 3.449 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010489.D

Acq: 27 Jun 2019 15:19

Instrument :

MSVOA_X

ClientSampled :

FL-0571

Tot Ion: 43 Resp: 6076

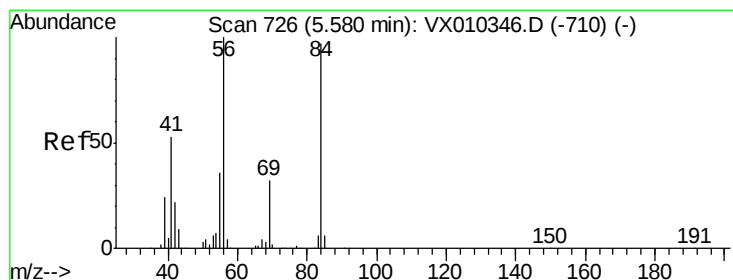
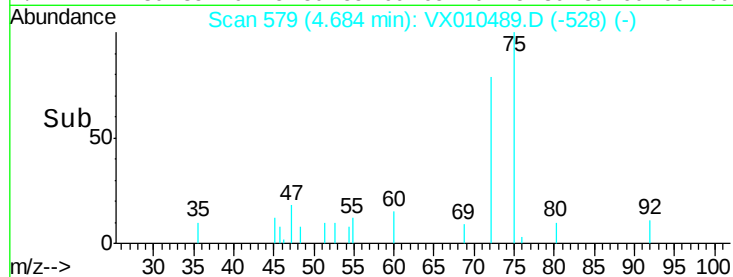
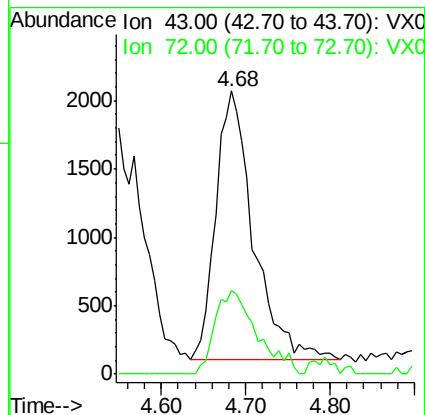
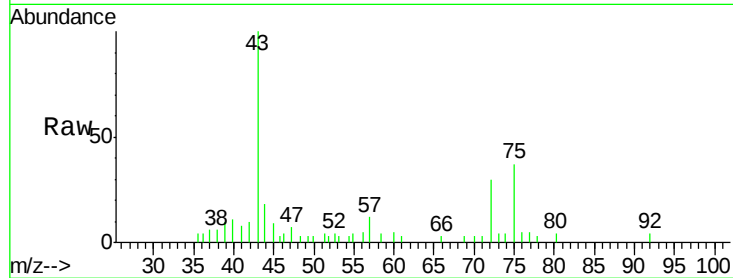
Ion Ratio Lower Upper

43 100

72 31.1 23.3 34.9

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#31

Cyclohexane

Concen: 170.038 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010489.D

Acq: 27 Jun 2019 15:19

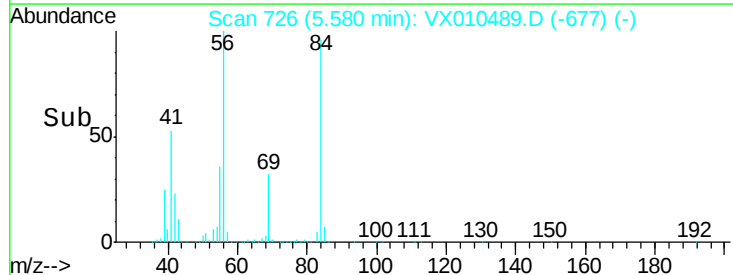
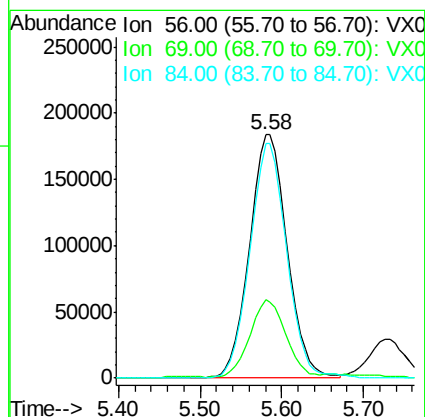
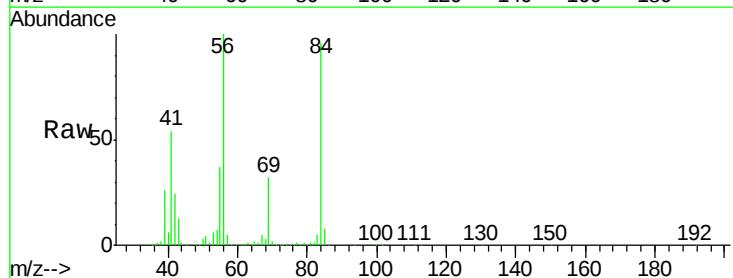
Tgt Ion: 56 Resp: 588517

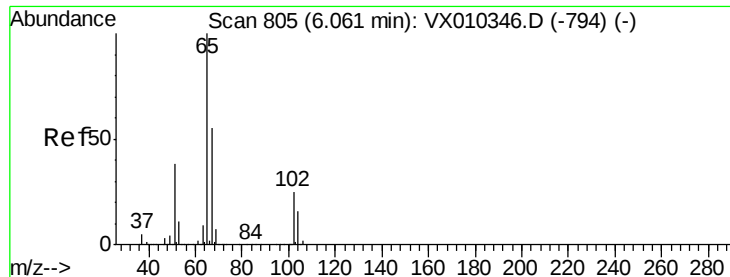
Ion Ratio Lower Upper

56 100

69 31.5 25.9 38.9

84 96.2 78.0 117.0





#33

1,2-Dichloroethane-d4

Concen: 49.820 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010489.D

Acq: 27 Jun 2019 15:19

Instrument :

MSVOA_X

ClientSampled :

FL-0571

Tot Ion: 65 Resp: 119377

Ion Ratio Lower Upper

65 100

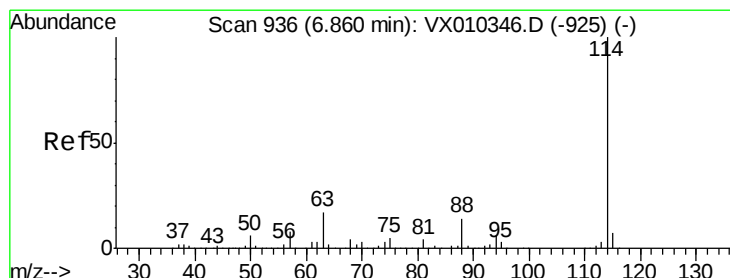
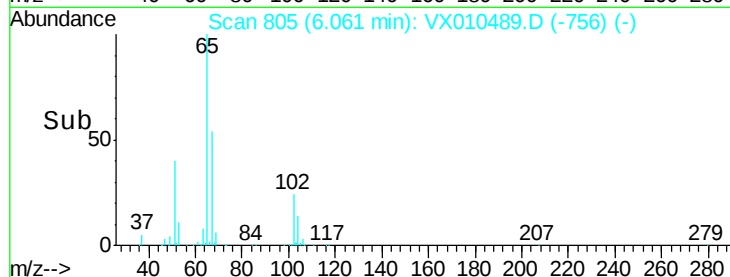
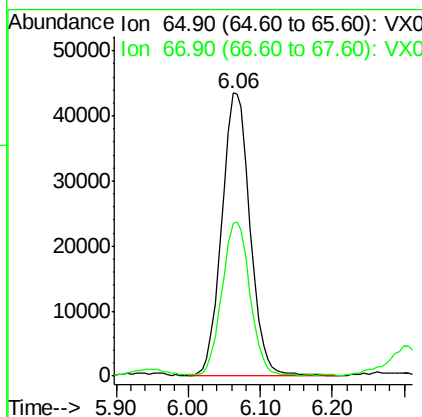
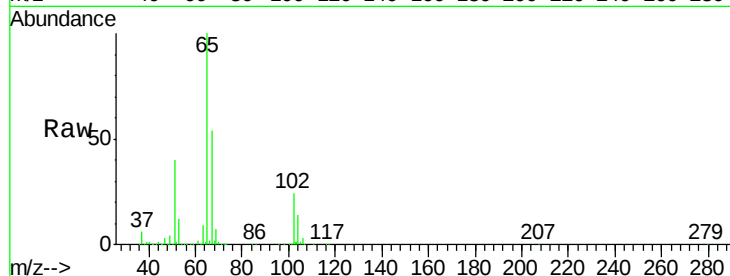
67 53.2 0.0 110.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010489.D

Acq: 27 Jun 2019 15:19

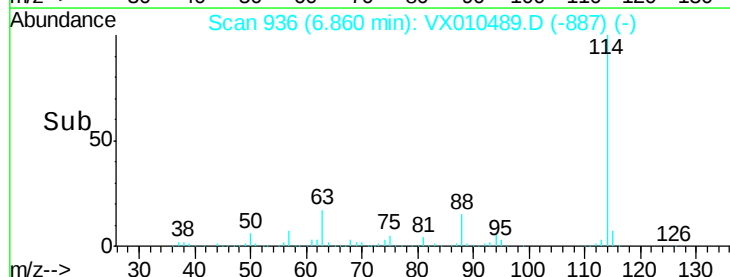
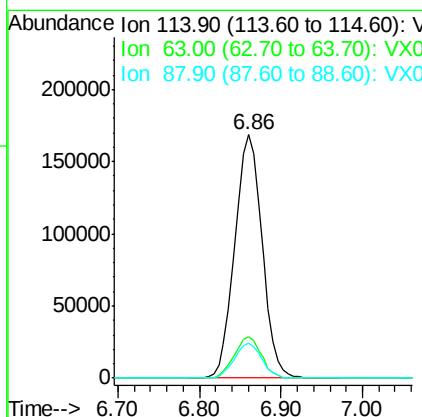
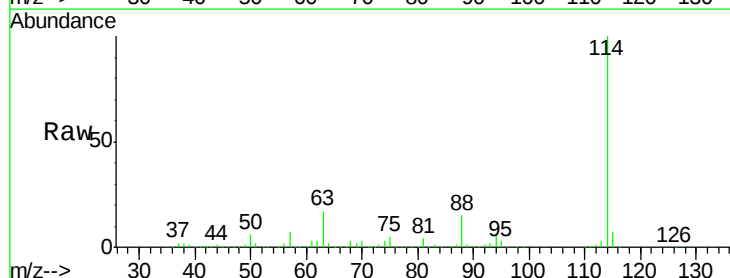
Tgt Ion: 114 Resp: 389987

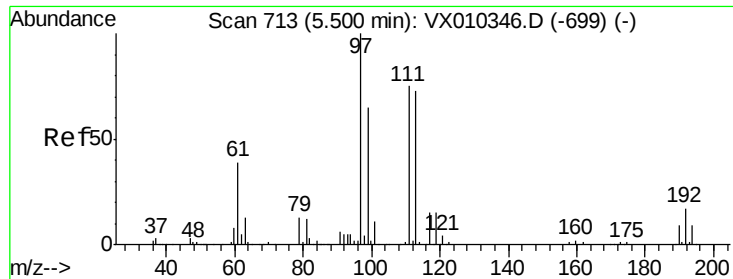
Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.8

88 14.6 0.0 27.6





#35

Dibromofluoromethane

Concen: 49.122 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010489.D

Acq: 27 Jun 2019 15:19

Instrument :

MSVOA_X

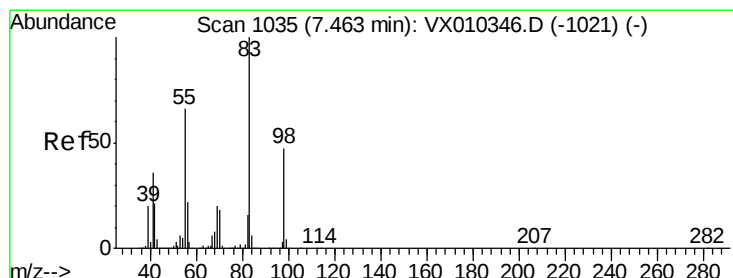
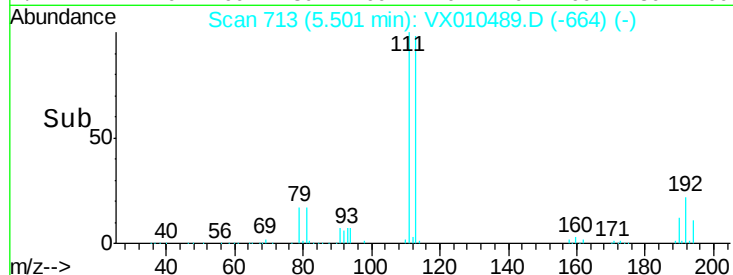
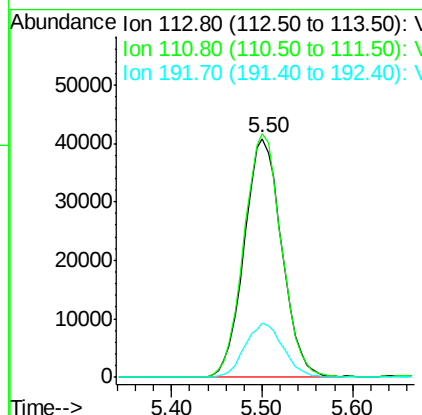
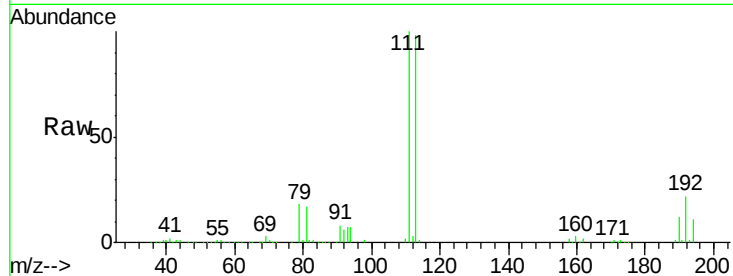
ClientSampled :

FL-0571

Tot Ion:	113	Resp:	117208
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.2	121.8
192	22.9	18.6	27.8

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#39

Methylcyclohexane

Concen: 111.795 ug/l

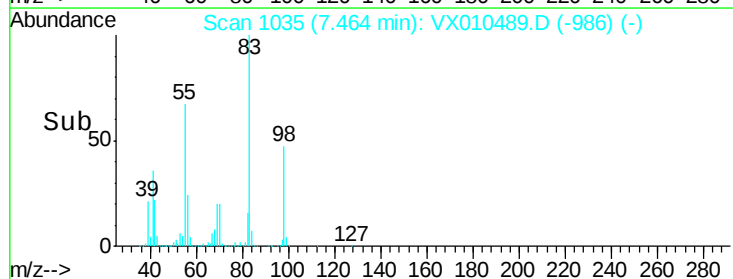
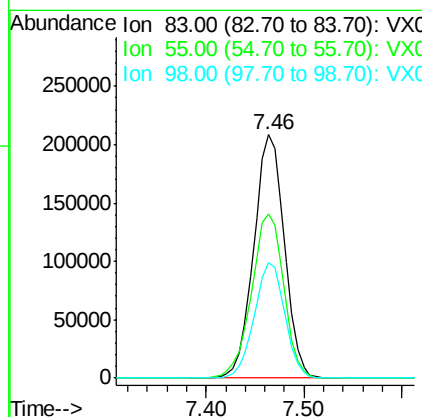
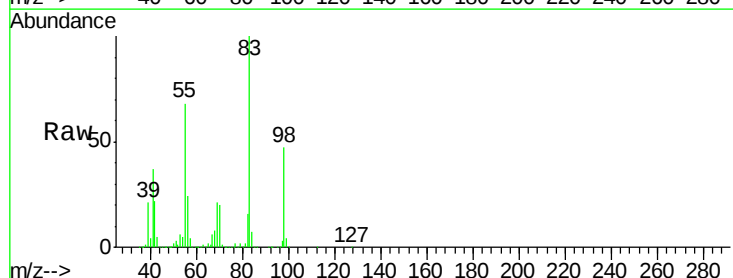
RT: 7.46 min Scan# 1035

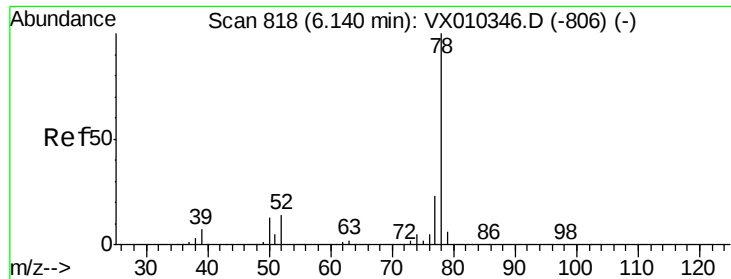
Delta R.T. 0.00 min

Lab File: VX010489.D

Acq: 27 Jun 2019 15:19

Tgt Ion:	83	Resp:	455412
Ion Ratio	Lower	Upper	
83	100		
55	67.4	53.0	79.6
98	47.4	37.8	56.8





#40

Benzene

Concen: 502.866 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX010489.D

Acq: 27 Jun 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

FL-0571

Tot Ion: 78 Resp: 4855177

Ion Ratio Lower Upper

78 100

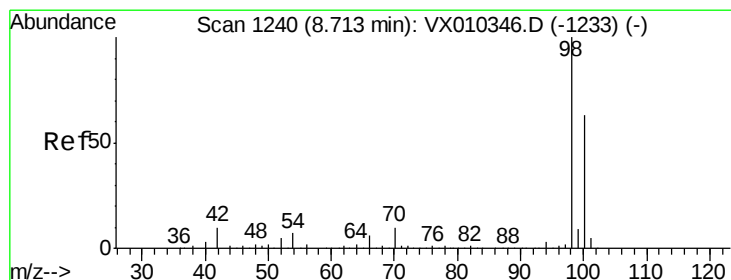
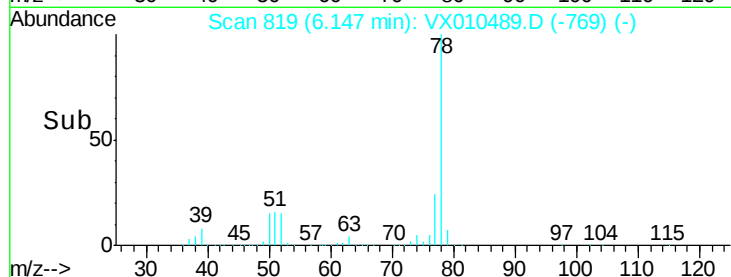
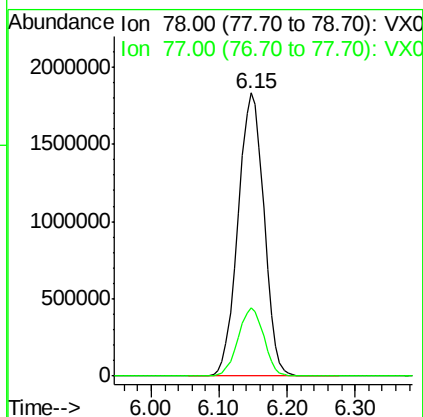
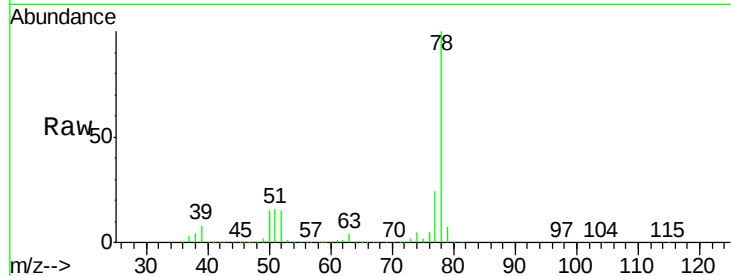
77 24.1 18.6 28.0

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#50

Toluene-d8

Concen: 51.624 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010489.D

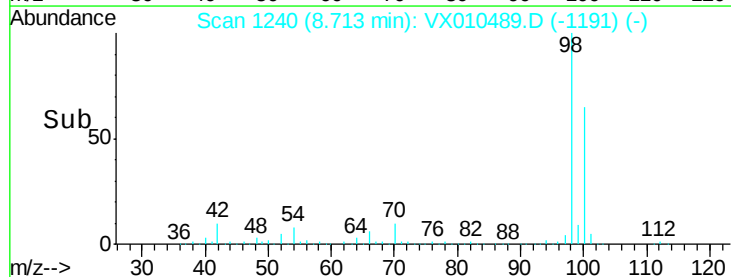
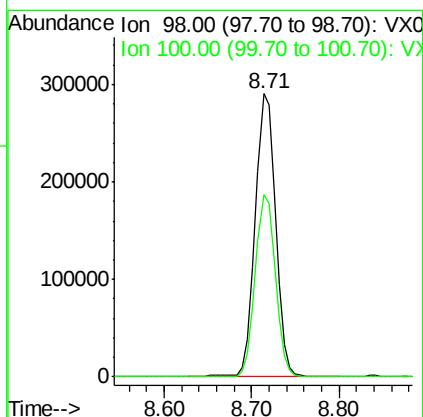
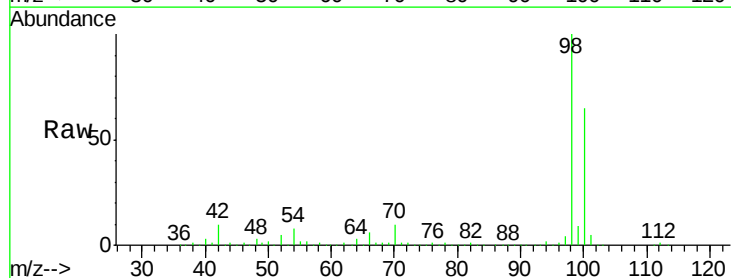
Acq: 27 Jun 2019 15:19

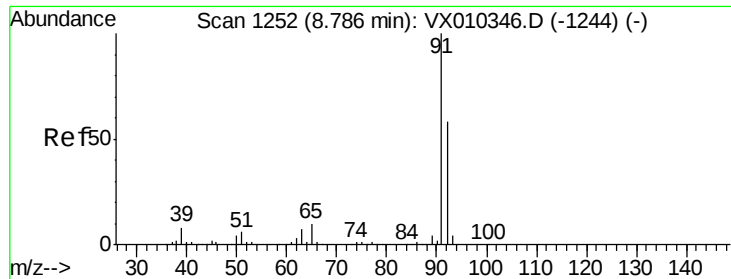
Tgt Ion: 98 Resp: 471259

Ion Ratio Lower Upper

98 100

100 63.5 51.6 77.4





#52

Toluene

Concen: 689.768 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010489.D

Acq: 27 Jun 2019 15:19

Instrument :

MSVOA_X

ClientSampled :

FL-0571

Tot Ion: 92 Resp: 4385669

Ion Ratio Lower Upper

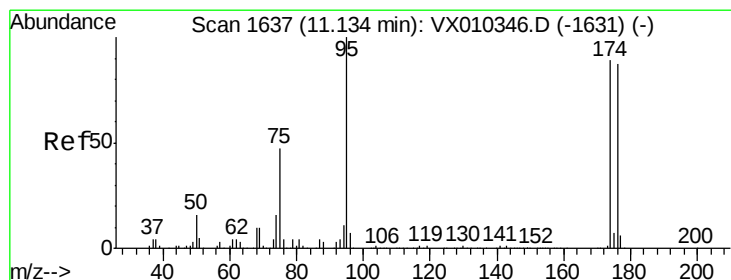
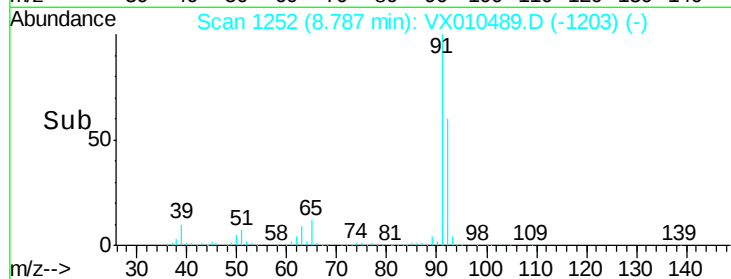
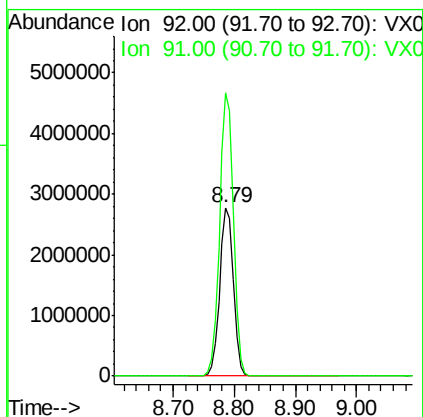
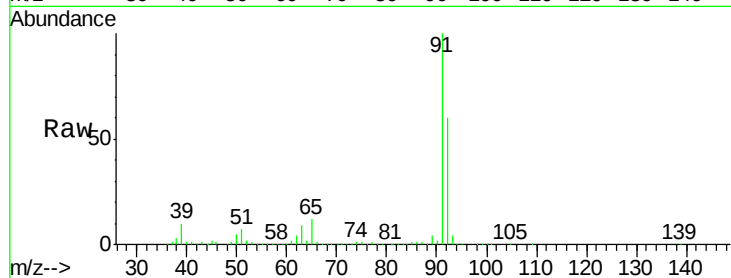
92 100

91 169.7 139.8 209.6

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 50.674 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010489.D

Acq: 27 Jun 2019 15:19

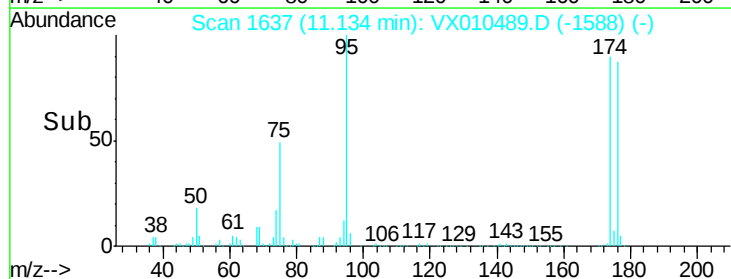
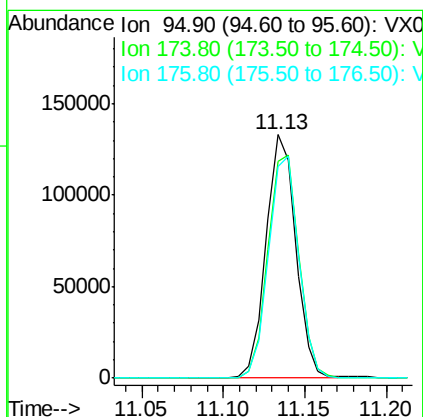
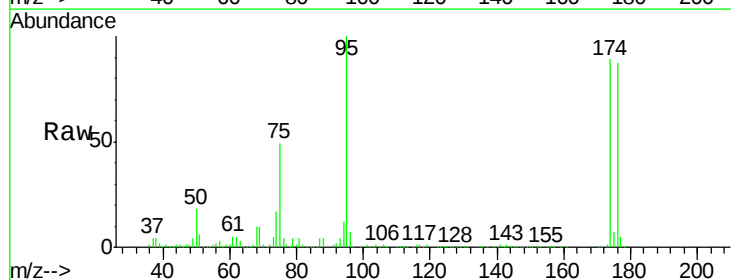
Tgt Ion: 95 Resp: 167008

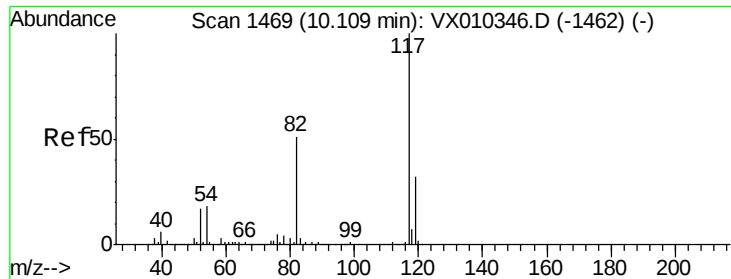
Ion Ratio Lower Upper

95 100

174 95.2 0.0 187.6

176 92.8 0.0 184.0





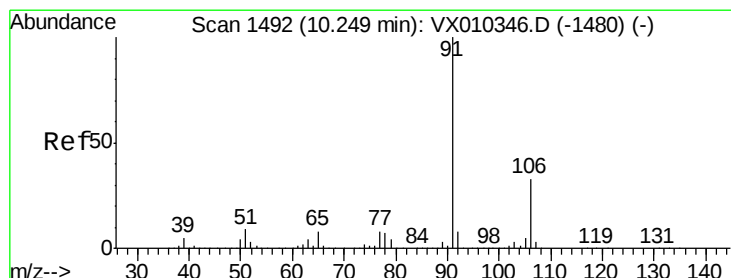
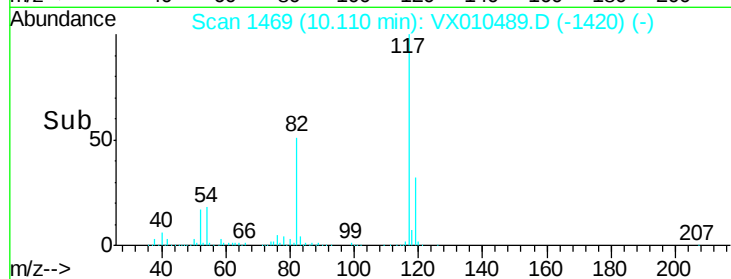
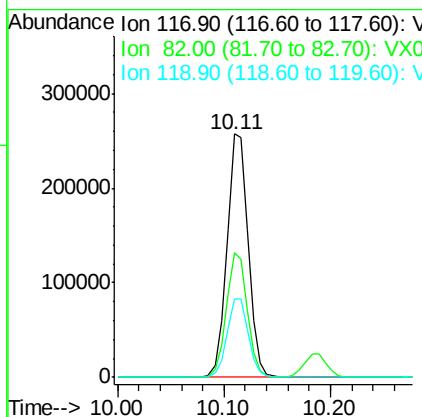
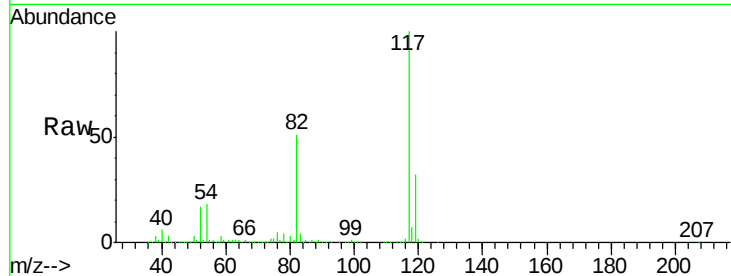
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010489.D
Acq: 27 Jun 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
FL-0571

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.2	61.8
119	32.0	25.5	38.3

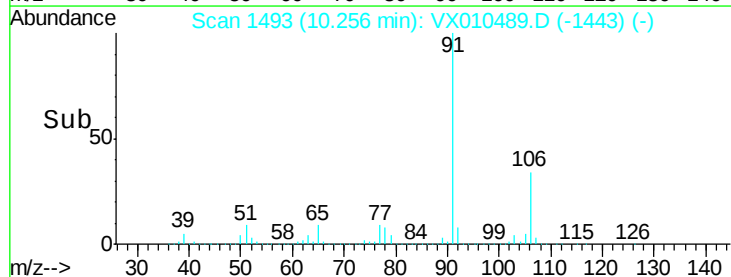
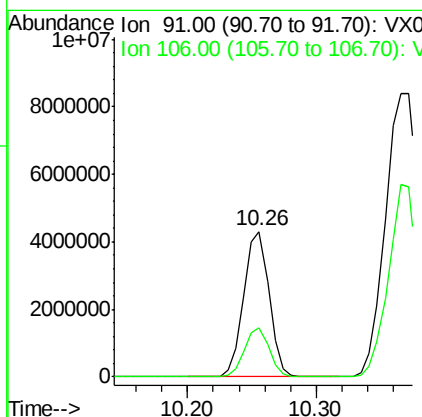
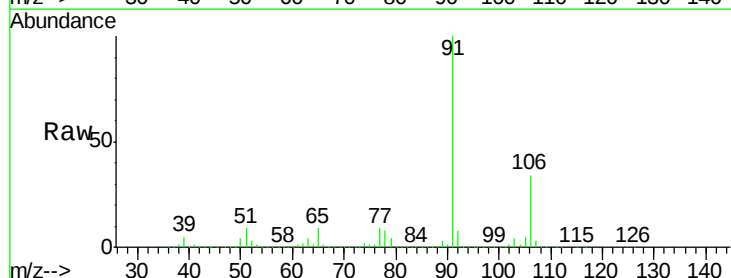
Manual Integrations
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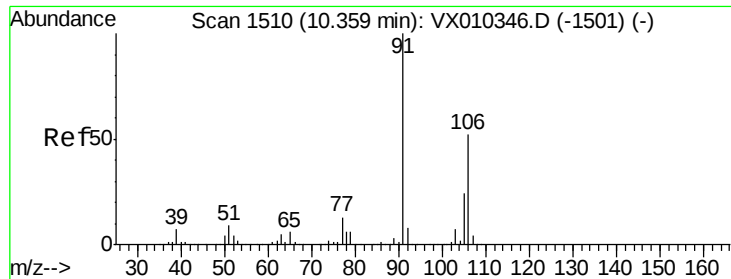
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#67
Ethyl Benzene
Concen: 473.567 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VX010489.D
Acq: 27 Jun 2019 15:19

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.7	26.2	39.2





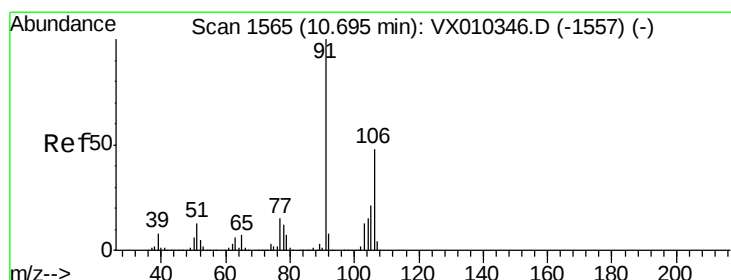
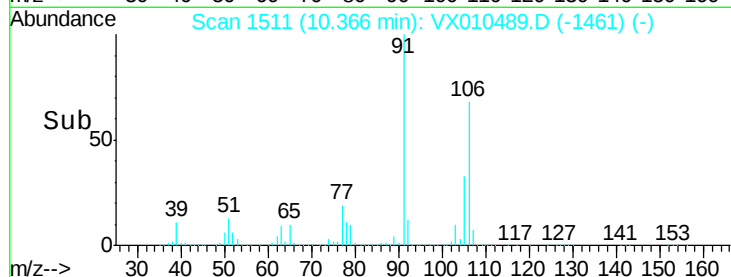
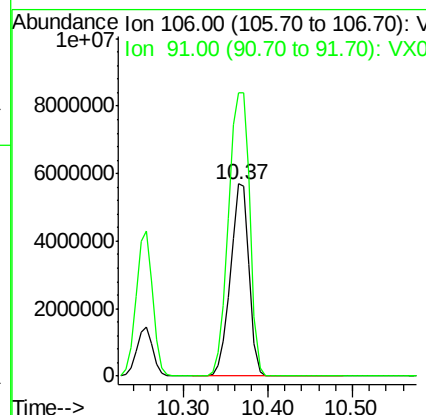
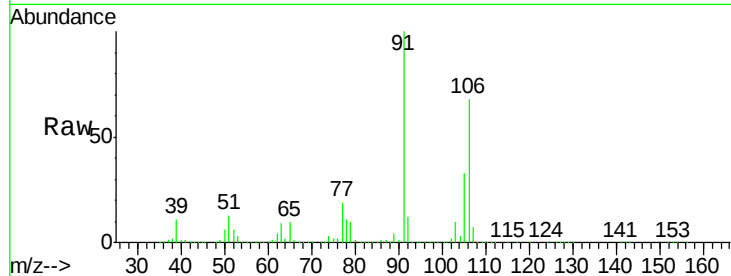
#68
m/p-Xylenes
Concen: 1809.439 ug/l
RT: 10.37 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VX010489.D
Acq: 27 Jun 2019 15:19

Instrument :
MSVOA_X
ClientSampled :
FL-0571

Tot Ion:106 Resp: 8632122
Ion Ratio Lower Upper
106 100
91 169.0 155.3 232.9

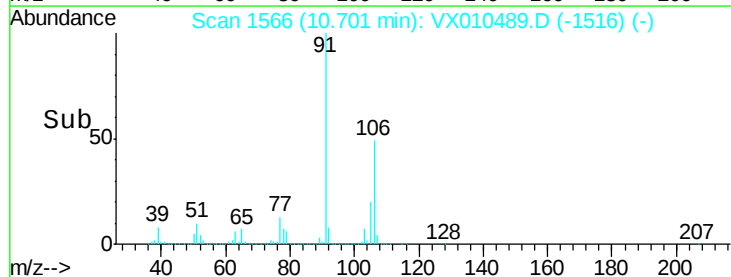
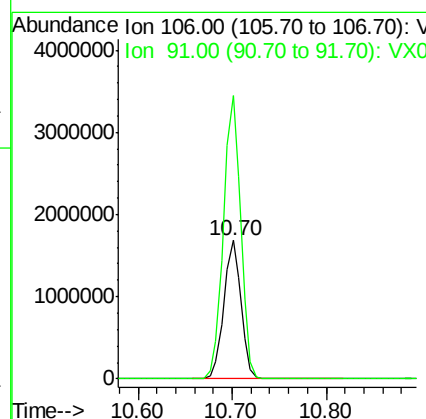
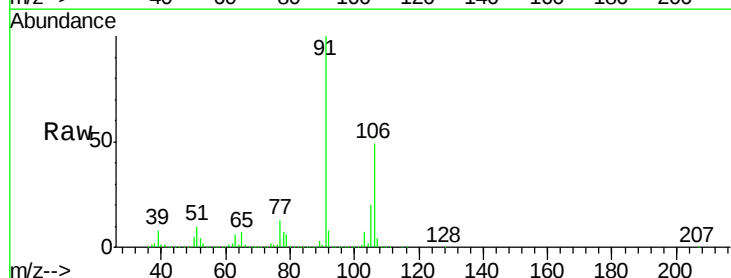
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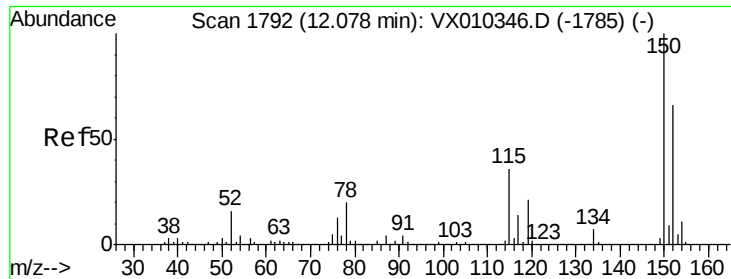
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#69
o-Xylene
Concen: 450.484 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010489.D
Acq: 27 Jun 2019 15:19

Tgt Ion:106 Resp: 2113424
Ion Ratio Lower Upper
106 100
91 207.2 102.7 308.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010489.D

Acq: 27 Jun 2019 15:19

Instrument :

MSVOA_X

ClientSampled :

FL-0571

Tot Ion:152 Resp: 185656

Ion Ratio Lower Upper

152 100

115 58.6 38.6 115.7

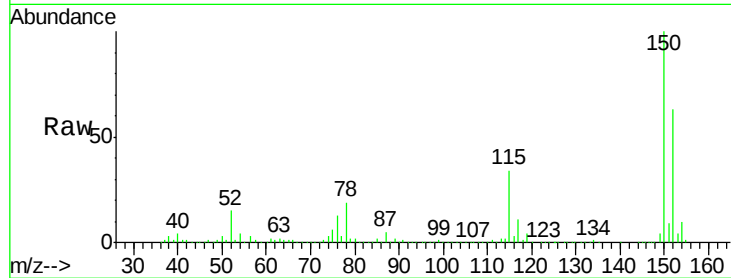
150 156.6 0.0 347.4

Manual Integrations

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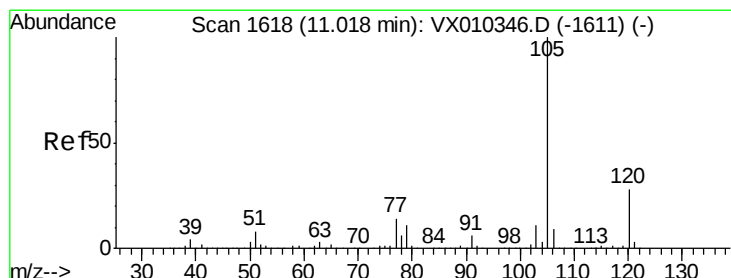
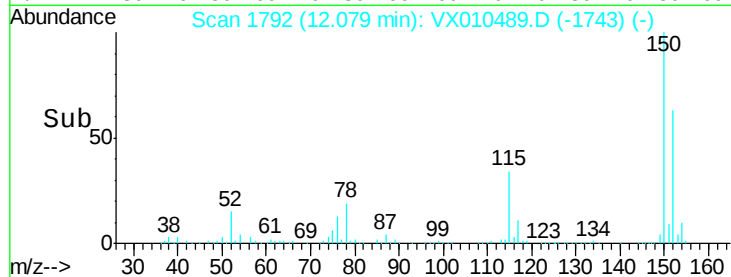
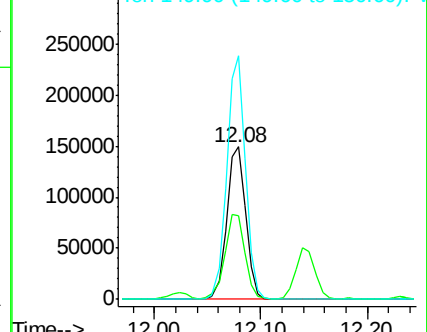
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 47.297 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010489.D

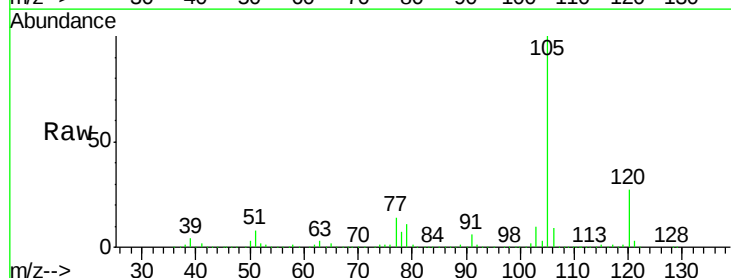
Acq: 27 Jun 2019 15:19

Tgt Ion:105 Resp: 595245

Ion Ratio Lower Upper

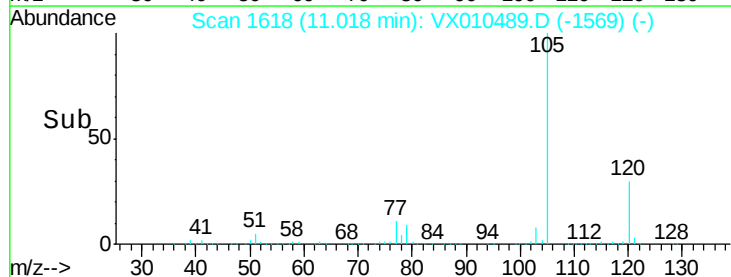
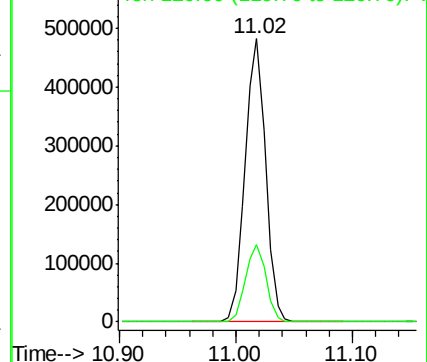
105 100

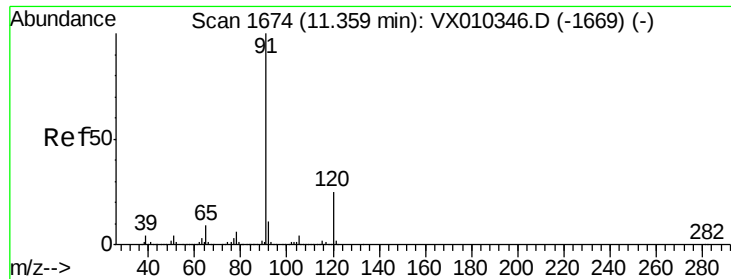
120 27.4 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 45.901 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010489.D

Acq: 27 Jun 2019 15:19

Instrument :

MSVOA_X

ClientSampled :

FL-0571

Tot Ion: 91 Resp: 634891

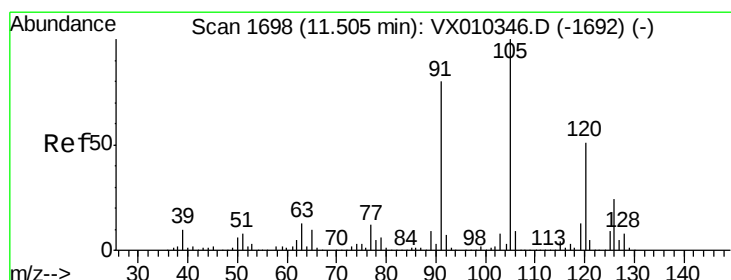
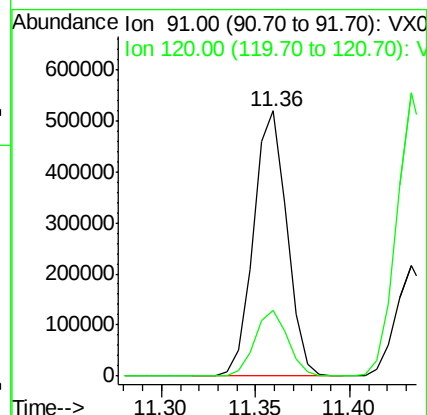
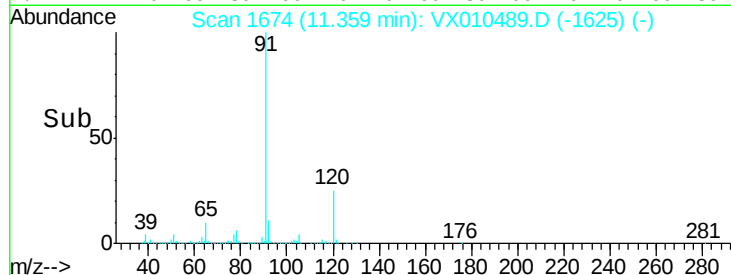
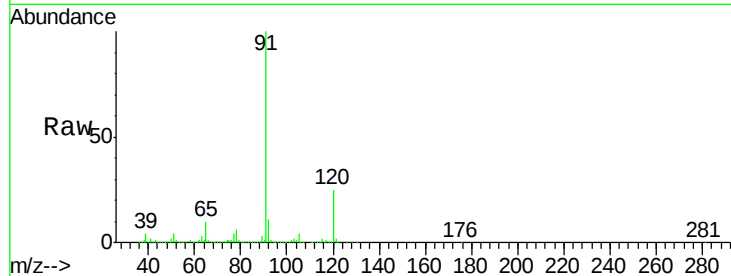
Ion Ratio Lower Upper

91 100

120 24.7 12.4 37.4

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#80

1,3,5-Trimethylbenzene

Concen: 106.442 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010489.D

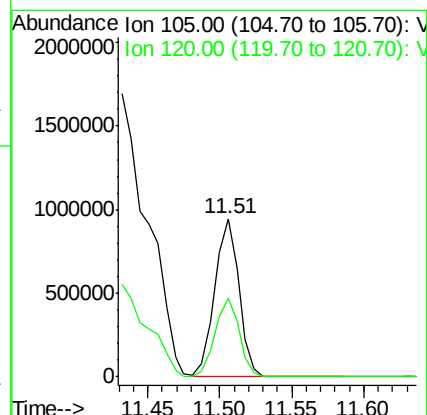
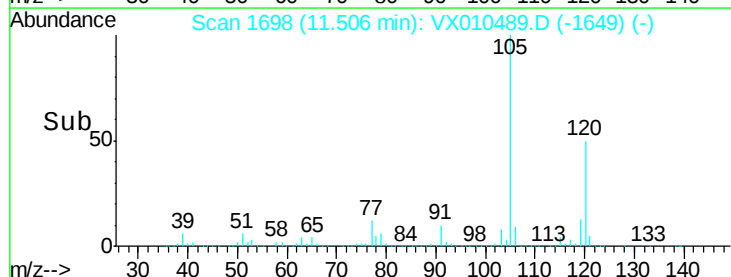
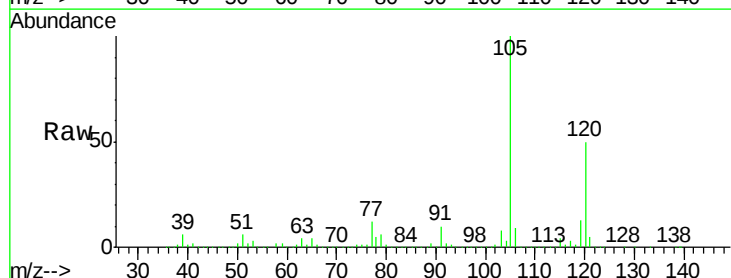
Acq: 27 Jun 2019 15:19

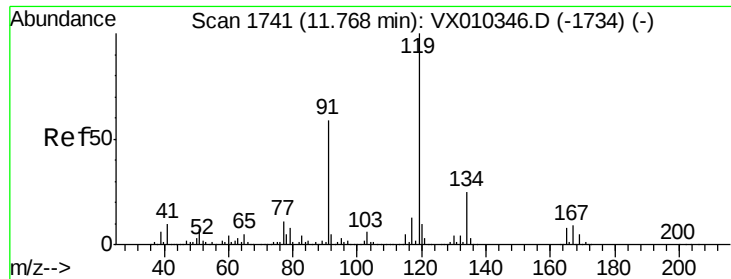
Tgt Ion: 105 Resp: 1104333

Ion Ratio Lower Upper

105 100

120 50.0 25.2 75.6





#83

tert-Butylbenzene

Concen: 1.555 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010489.D

Acq: 27 Jun 2019 15:19

Instrument :

MSVOA_X

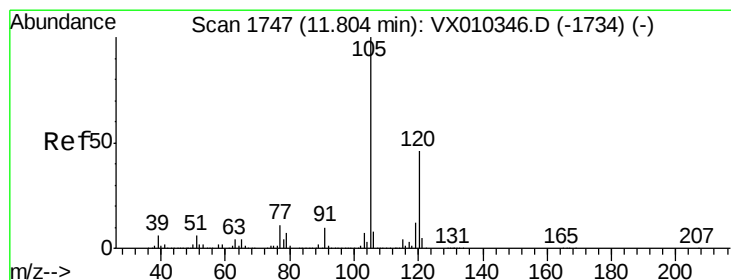
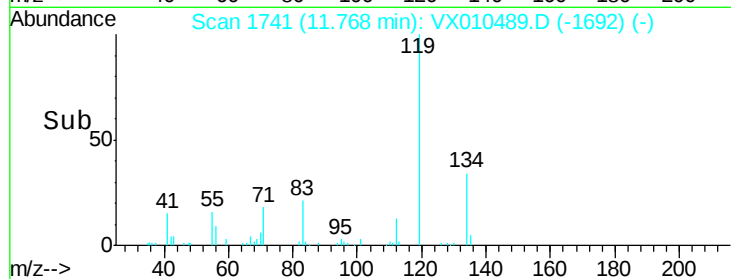
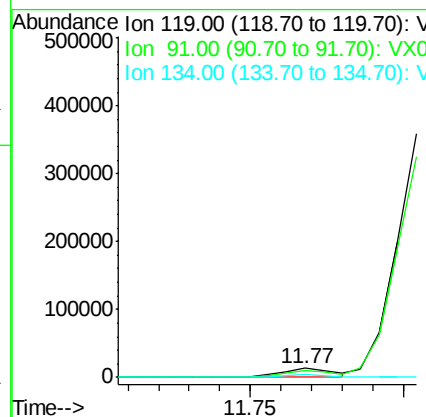
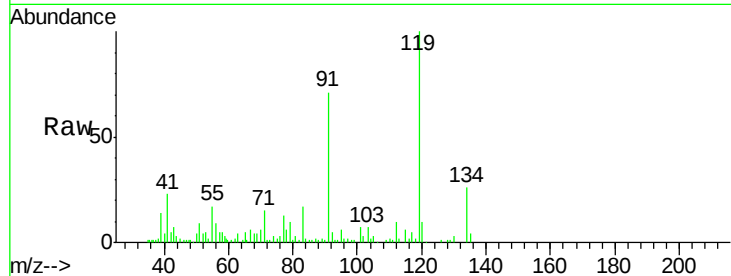
ClientSampleId :

FL-0571

Tot Ion	Ratio	Lower	Upper
119	100		
91	0.0	27.6	82.7#
134	26.3	11.8	35.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 353.191 ug/l

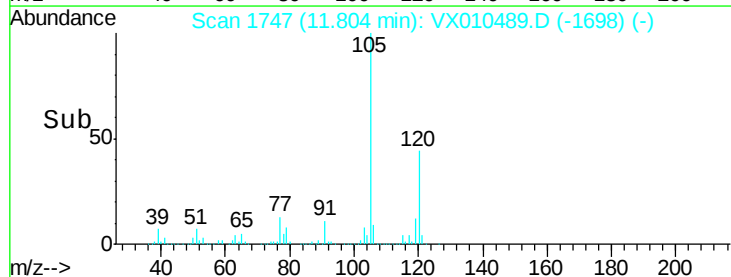
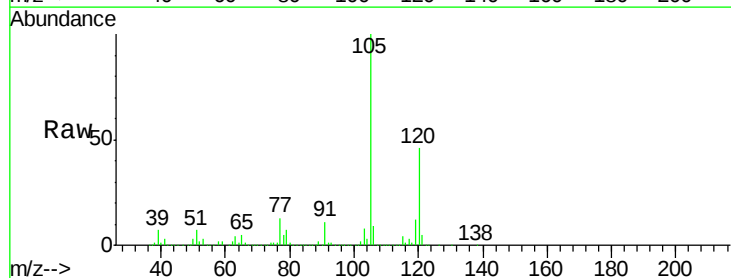
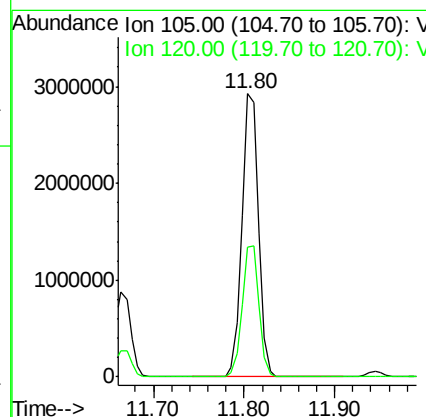
RT: 11.80 min Scan# 1747

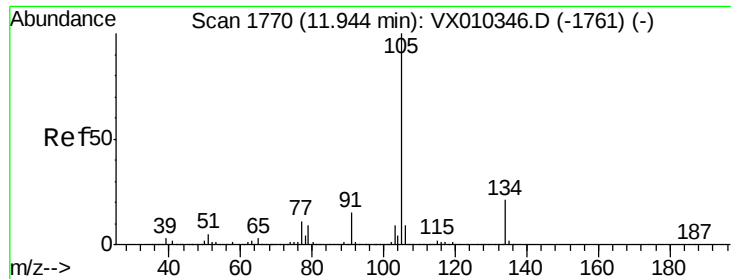
Delta R.T. 0.00 min

Lab File: VX010489.D

Acq: 27 Jun 2019 15:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.1	69.2





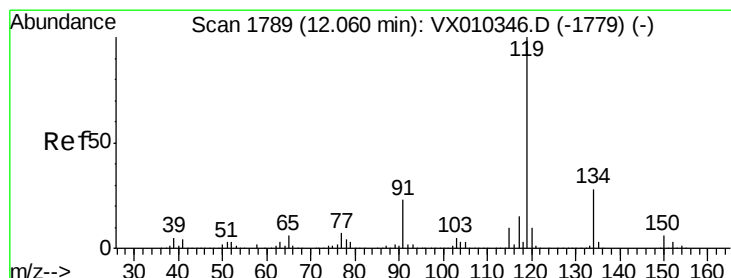
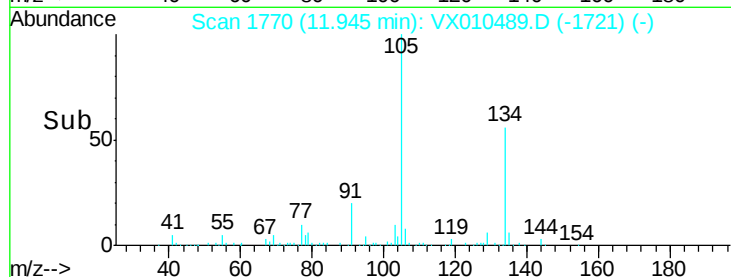
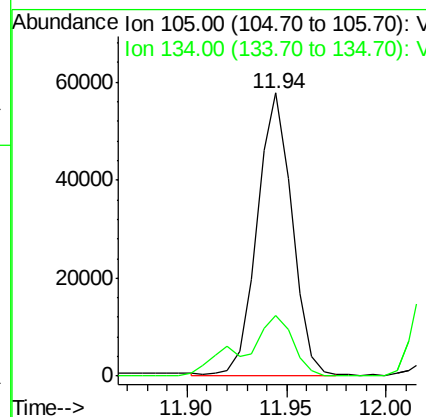
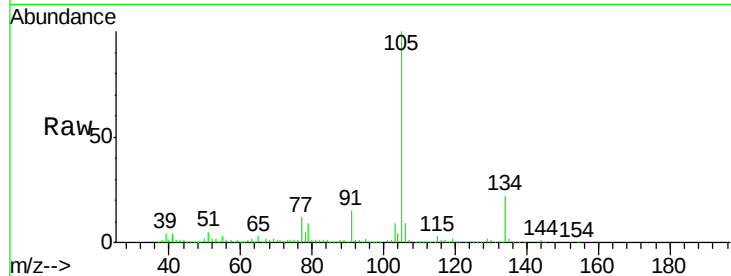
#85
 sec-Butylbenzene
 Concen: 5.779 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010489.D
 Acq: 27 Jun 2019 15:19

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0571

Tot Ion:105 Resp: 70652
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.7 31.9#

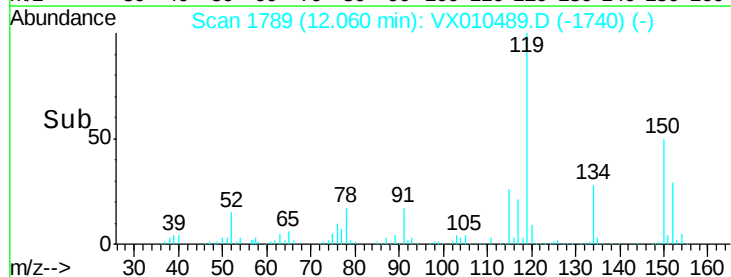
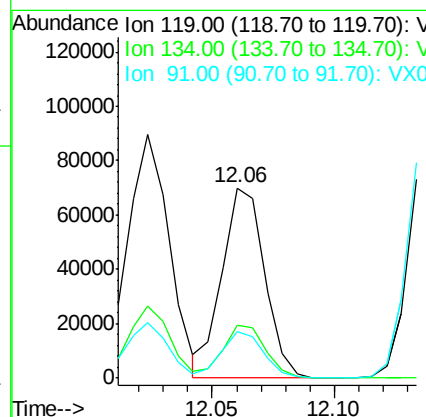
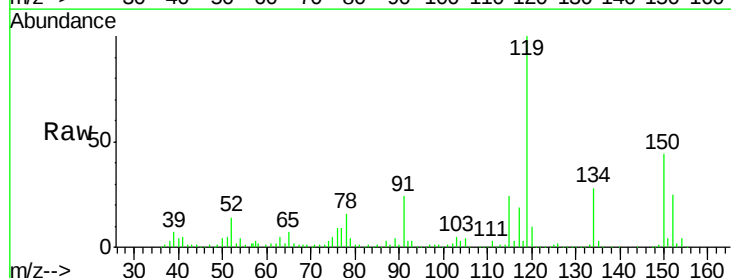
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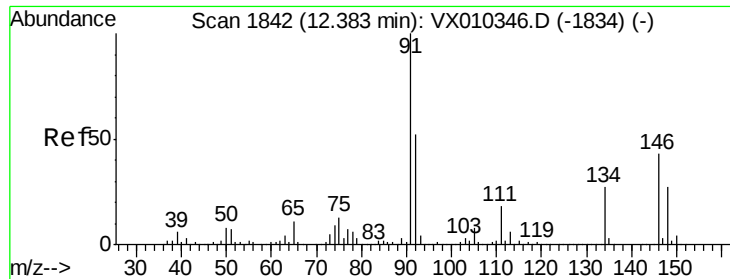
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#86
 p-Isopropyltoluene
 Concen: 7.502 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX010489.D
 Acq: 27 Jun 2019 15:19

Tgt Ion:119 Resp: 84840
 Ion Ratio Lower Upper
 119 100
 134 28.0 13.7 41.1
 91 23.7 11.3 33.8





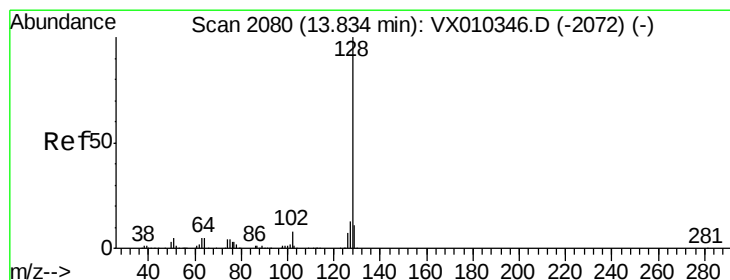
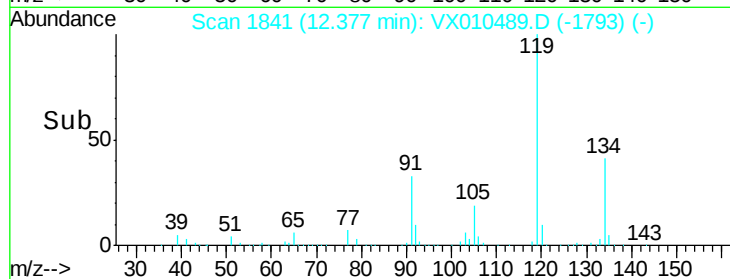
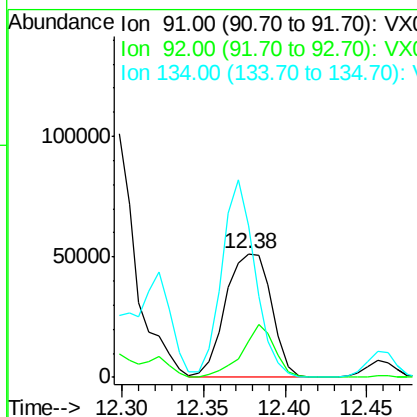
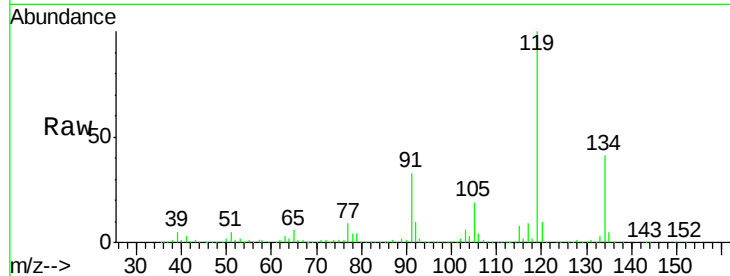
#89
n-Butylbenzene
Concen: 10.377 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX010489.D
Acq: 27 Jun 2019 15:19

Instrument :
MSVOA_X
ClientSampled :
FL-0571

Tot Ion	Ratio	Lower	Upper
91	100		
92	30.6	26.2	78.5
134	117.5	14.1	42.4

Manual Integrations
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#95
Naphthalene
Concen: 137.435 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010489.D
Acq: 27 Jun 2019 15:19

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.1	8.9	13.3

