

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071619\
 Data File : VX010916.D
 Acq On : 16 Jul 2019 19:02
 Operator : JC/SP
 Sample : K3791-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0610

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:23:00 PM

Quant Time: Jul 17 05:39:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 04:37:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	231063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	358694	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	335261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176078	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	119098	48.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.90%	
35) Dibromofluoromethane	5.50	113	109839	48.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.48%	
50) Toluene-d8	8.71	98	440703	51.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	11.13	95	160431	51.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.22%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	9713	8.749	ug/l	98
31) Cyclohexane	5.58	56	345007	103.370	ug/l	99
39) Methylcyclohexane	7.47	83	1983306	519.076	ug/l	99
40) Benzene	6.15	78	3890	0.431	ug/l	97
52) Toluene	8.79	92	5951	1.004	ug/l	96
67) Ethyl Benzene	10.25	91	130268	11.114	ug/l	96
68) m/p-Xylenes	10.36	106	201860	44.898	ug/l	98
69) o-Xylene	10.69	106	60848	13.867	ug/l	96
73) Isopropylbenzene	11.02	105	233066	19.589	ug/l	100
78) n-propylbenzene	11.36	91	326943	24.870	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1745293	175.554	ug/l	100
83) tert-Butylbenzene	11.77	119	17182	1.760	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	2899322	289.349	ug/l	100
85) sec-Butylbenzene	11.94	105	67838m	5.929	ug/l	
86) p-Isopropyltoluene	12.06	119	196108	18.539	ug/l	100
95) Naphthalene	13.83	128	231190	20.467	ug/l	97

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

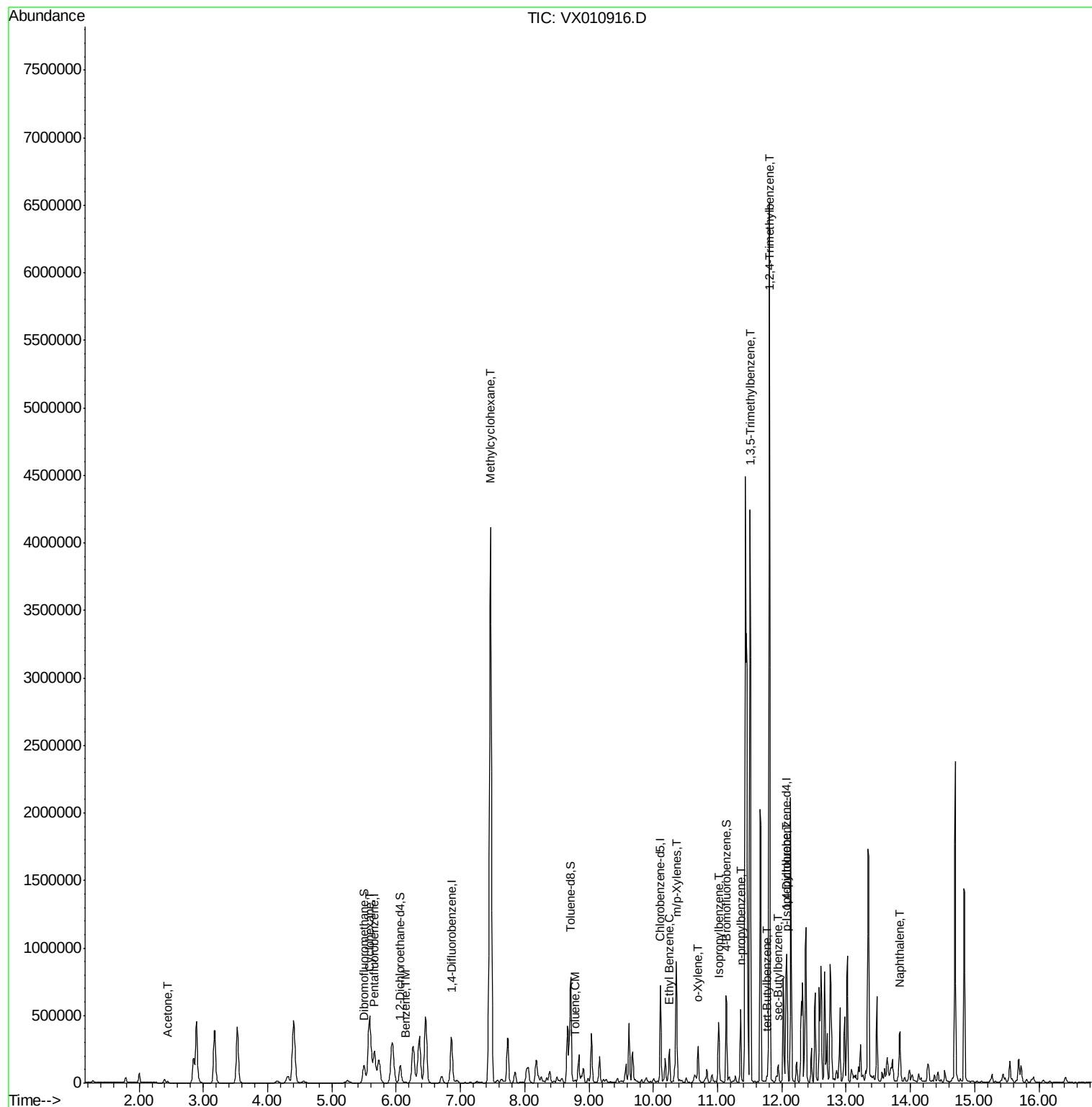
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071619\
Data File : VX010916.D
Acq On : 16 Jul 2019 19:02
Operator : JC/SP
Sample : K3791-16
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ALS Vial : 19 Sample Multiplier: 1

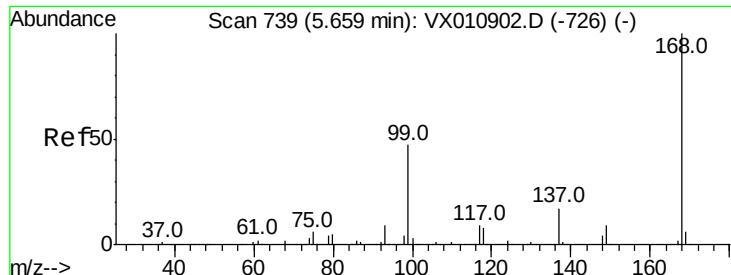
Instrument :
MSVOA_X
ClientSampleId :
FL-0610

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Quant Time: Jul 17 05:39:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 17 04:37:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

FL-0610

Tot Ion:168 Resp: 231063

Ion Ratio Lower Upper

168 100

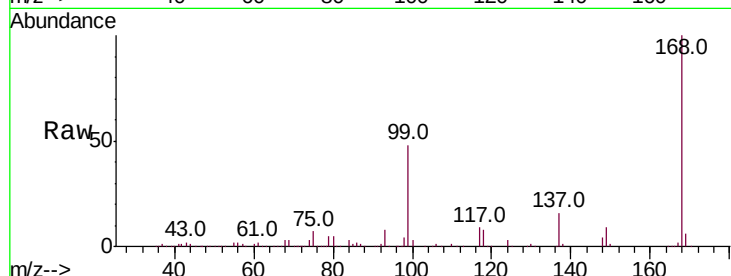
99 48.1 37.6 56.4

Manual Integrations

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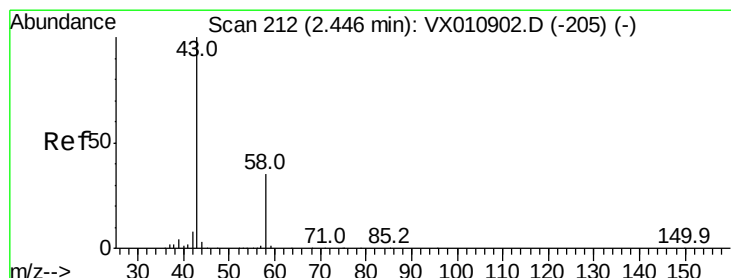
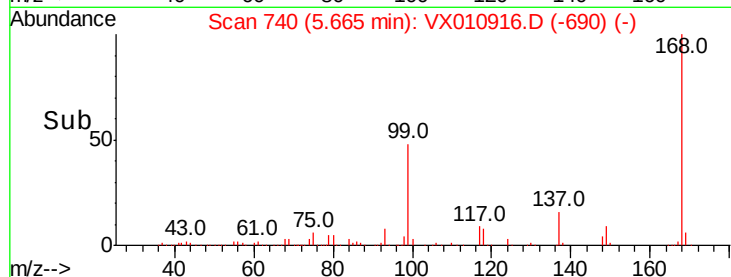
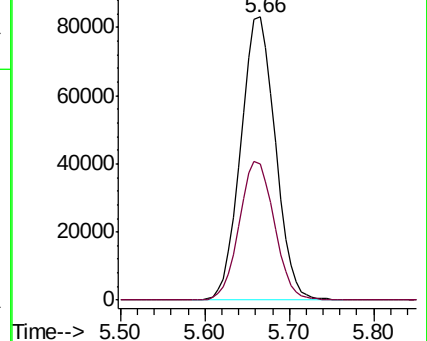
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 8.749 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010916.D

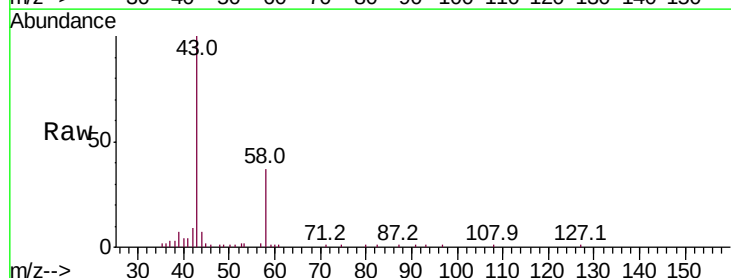
Acq: 16 Jul 2019 19:02

Tgt Ion: 43 Resp: 9713

Ion Ratio Lower Upper

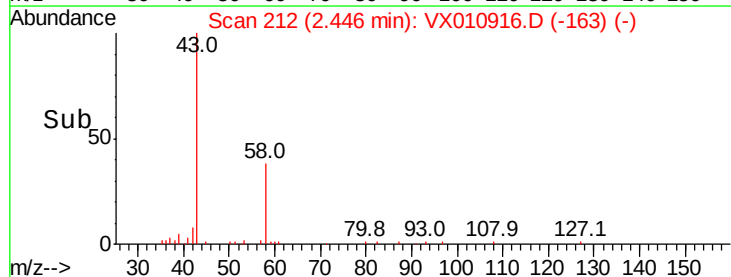
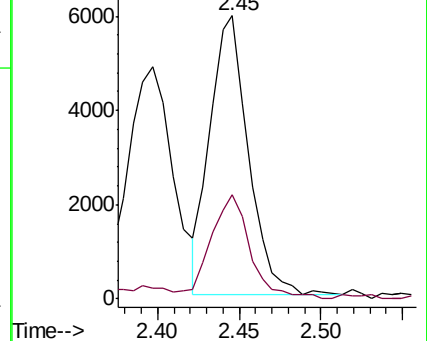
43 100

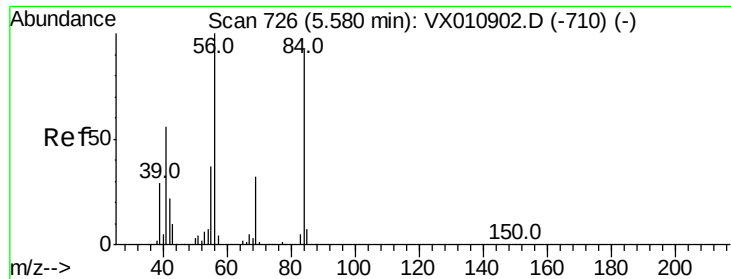
58 35.9 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#31

Cyclohexane

Concen: 103.370 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

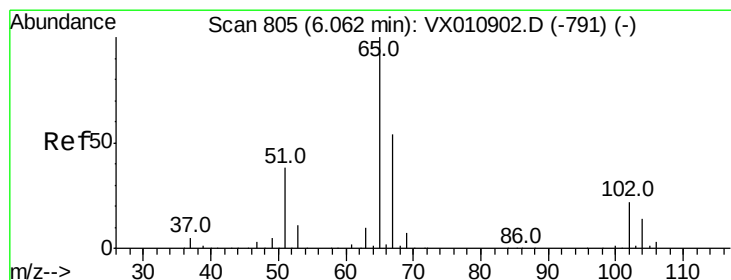
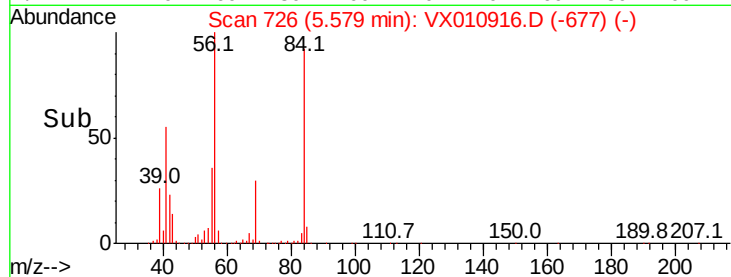
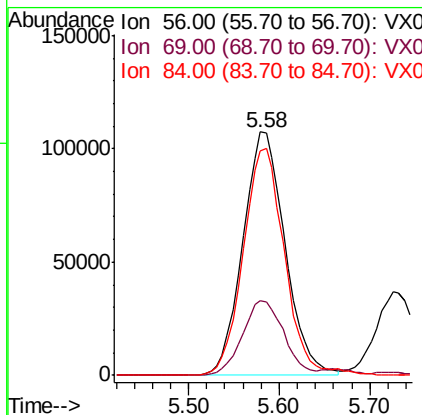
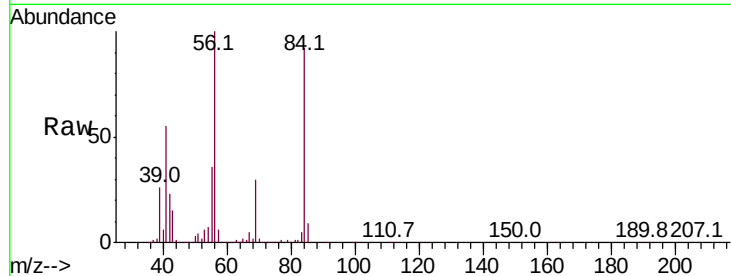
ClientSampleId :

FL-0610

Tot Ion:	56	Resp:	345007
Ion Ratio	Lower	Upper	
56	100		
69	30.3	25.8	38.8
84	92.2	73.8	110.6

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#33

1,2-Dichloroethane-d4

Concen: 48.450 ug/l

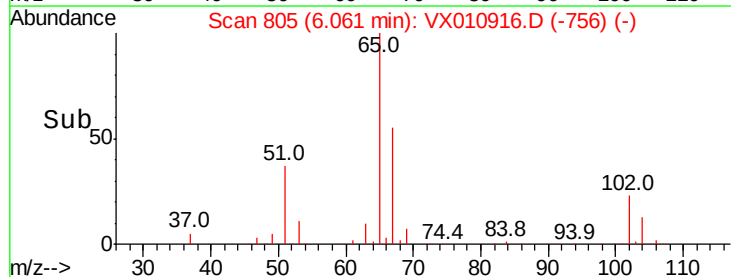
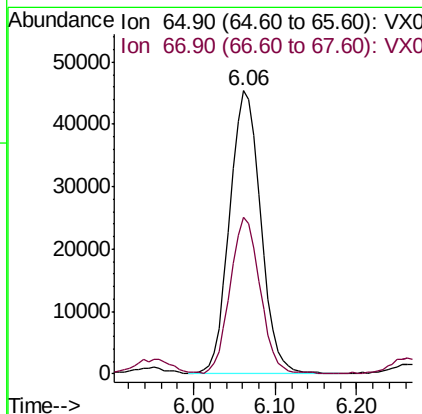
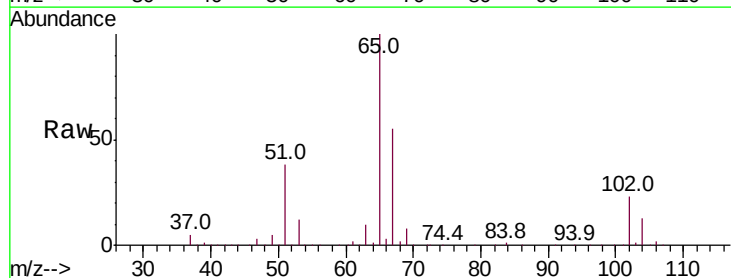
RT: 6.06 min Scan# 805

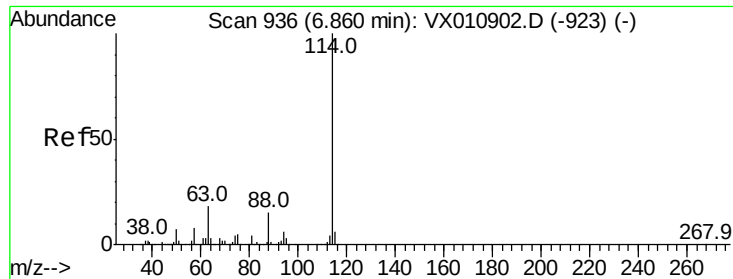
Delta R.T. -0.00 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Tgt Ion:	65	Resp:	119098
Ion Ratio	Lower	Upper	
65	100		
67	52.9	0.0	107.8





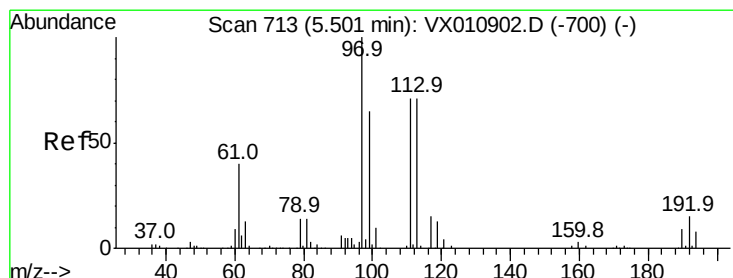
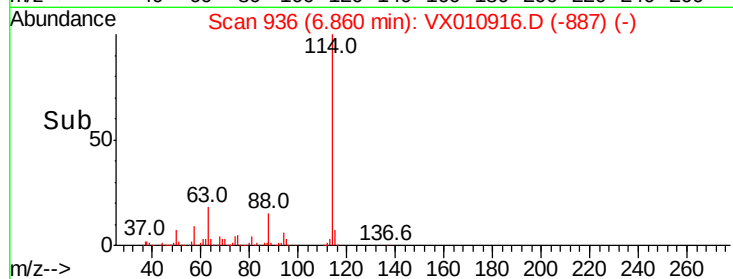
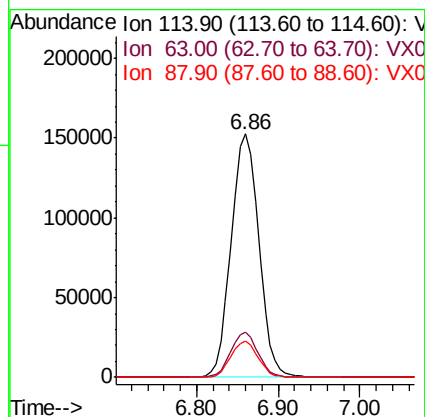
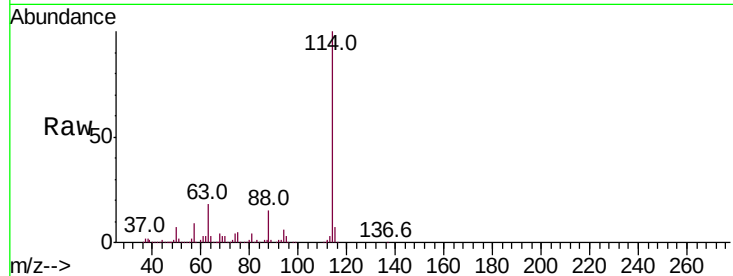
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010916.D
 Acq: 16 Jul 2019 19:02

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0610

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	18.3	0.0	35.6
88	15.0	0.0	29.8

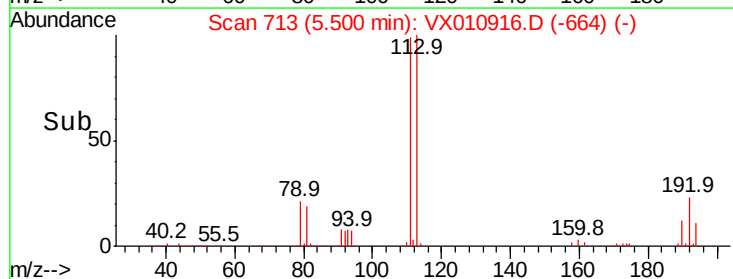
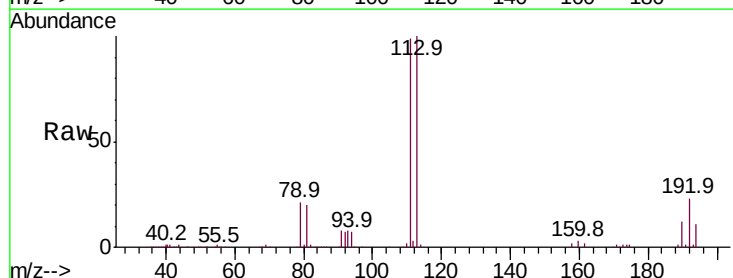
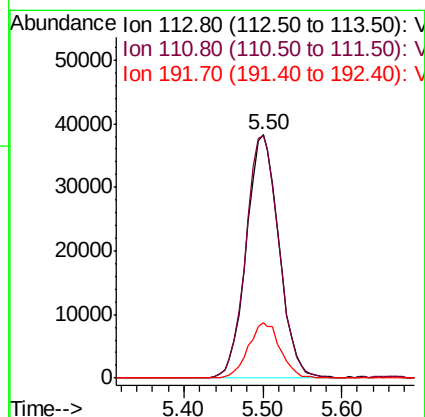
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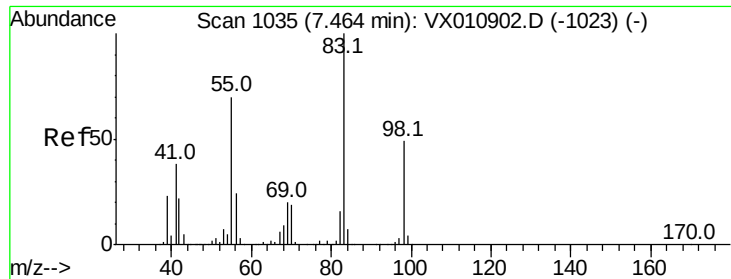
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#35
 Dibromofluoromethane
 Concen: 48.245 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX010916.D
 Acq: 16 Jul 2019 19:02

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	100.9	82.3	123.5
192	22.3	17.4	26.2





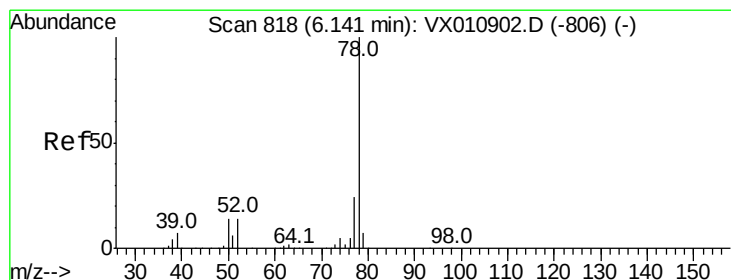
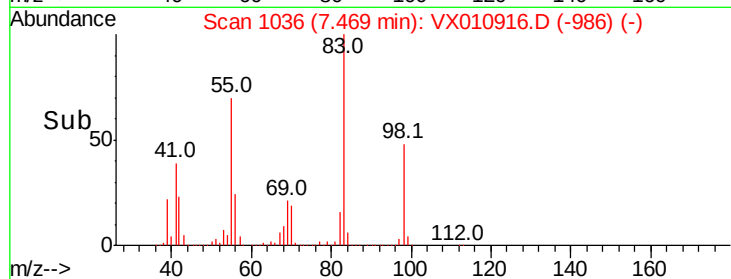
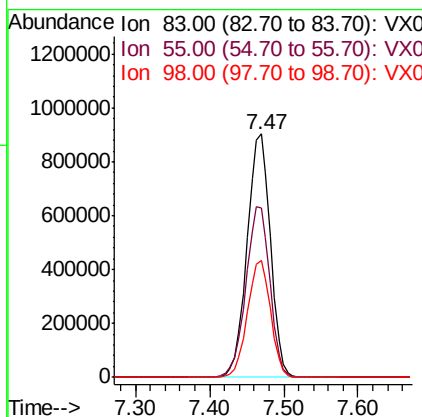
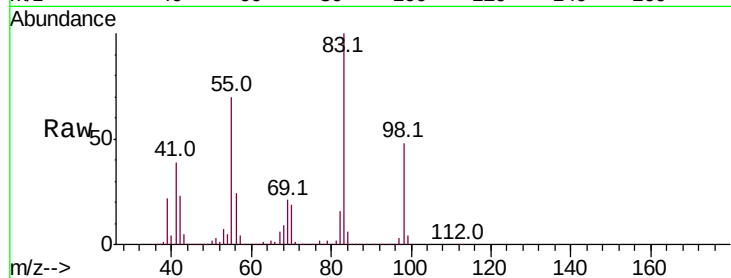
#39
Methylvlcyclohexane
Concen: 519.076 ug/l
RT: 7.47 min Scan# 1036
Delta R.T. 0.01 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

Instrument :
MSVOA_X
ClientSampleId :
FL-0610

Tot Ion: 83 Resp: 1983306
Ion Ratio Lower Upper
83 100
55 69.6 56.2 84.4
98 48.1 39.0 58.4

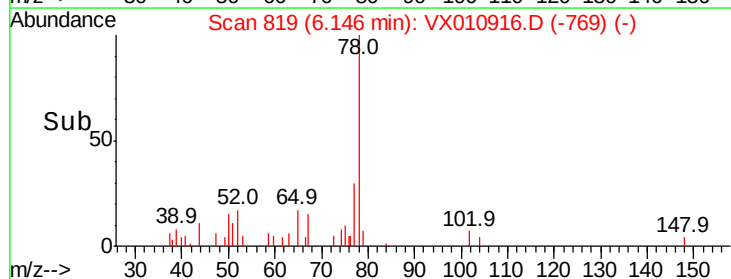
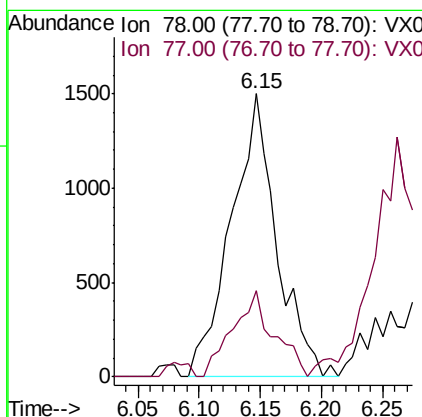
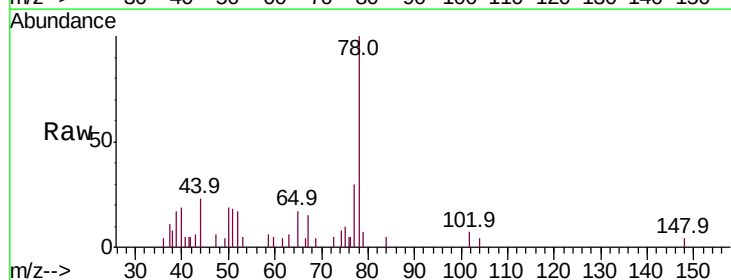
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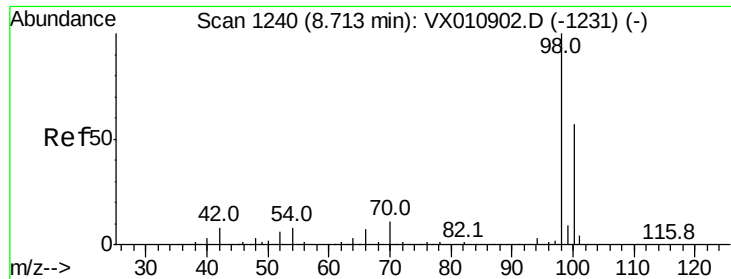
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#40
Benzene
Concen: 0.431 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

Tgt Ion: 78 Resp: 3890
Ion Ratio Lower Upper
78 100
77 25.4 19.0 28.6





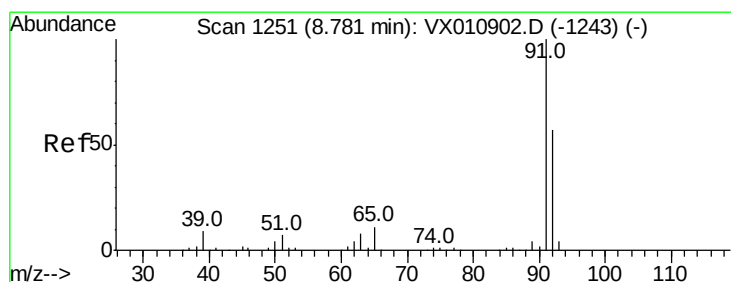
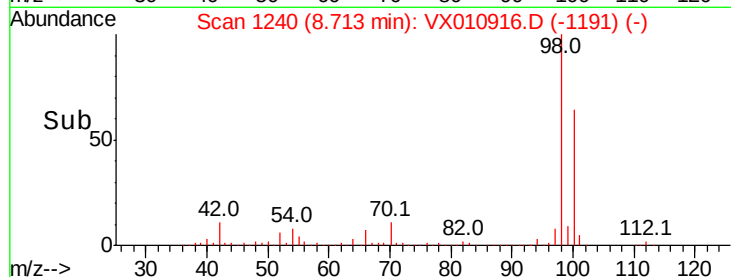
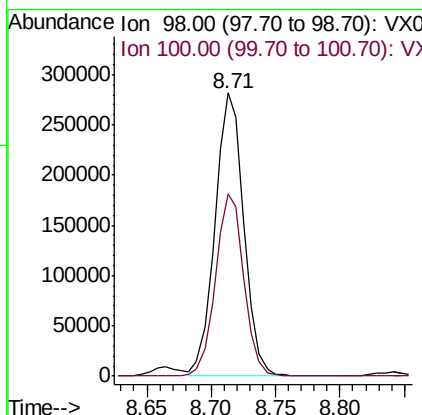
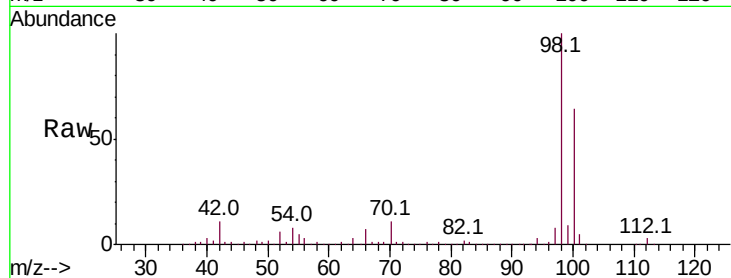
#50
Toluene-d8
Concen: 51.610 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

Instrument :
MSVOA_X
ClientSampleId :
FL-0610

Tot Ion: 98 Resp: 440703
Ion Ratio Lower Upper
98 100
100 63.7 50.6 75.8

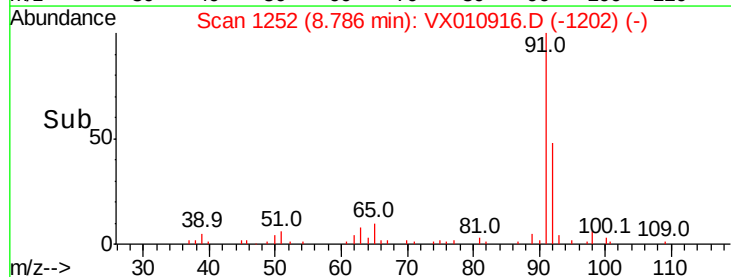
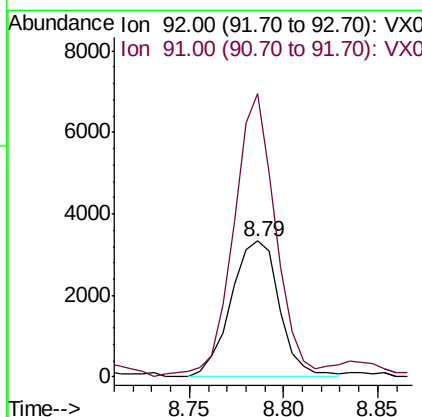
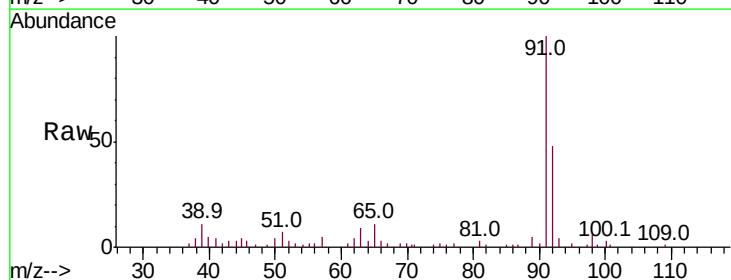
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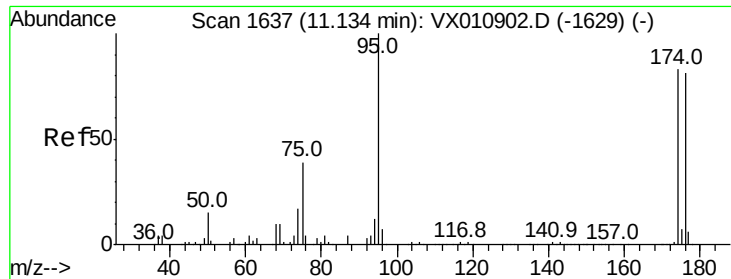
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#52
Toluene
Concen: 1.004 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

Tgt Ion: 92 Resp: 5951
Ion Ratio Lower Upper
92 100
91 179.4 139.4 209.0





#62

4-Bromofluorobenzene

Concen: 51.114 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

FL-0610

Tot Ion: 95 Resp: 160431

Ion Ratio Lower Upper

95 100

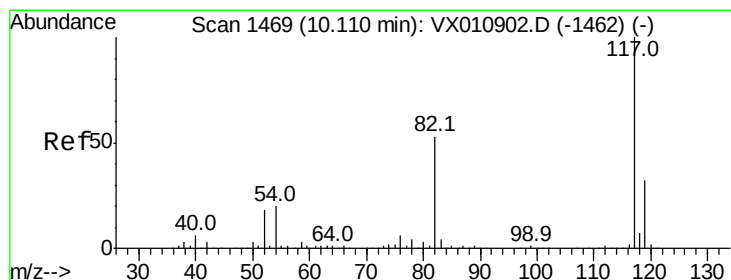
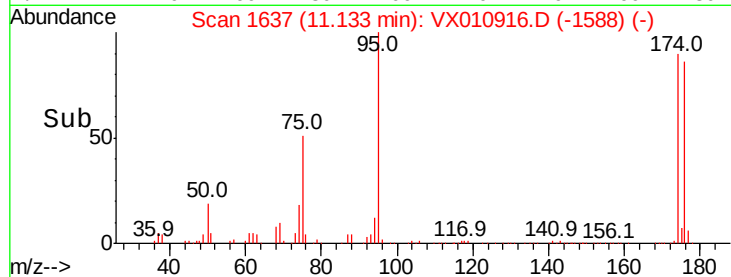
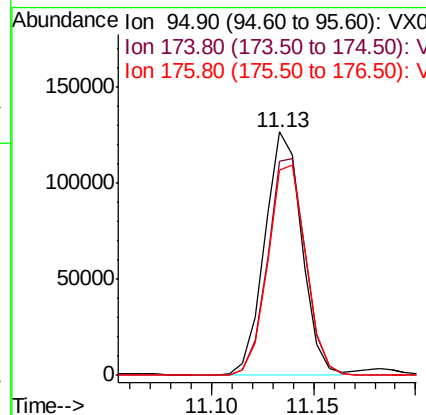
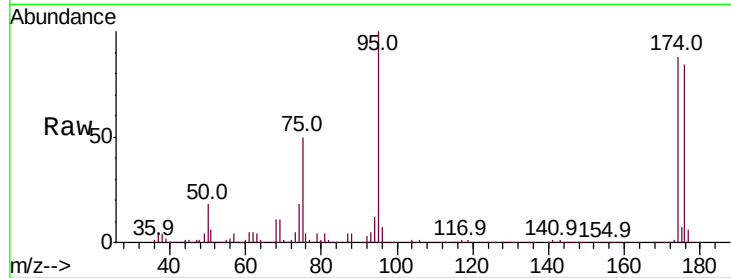
174 91.1 0.0 180.6

176 88.5 0.0 173.8

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

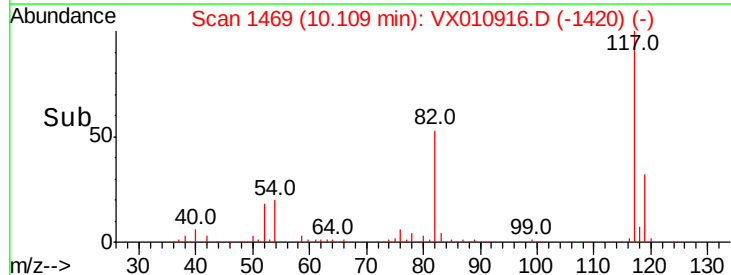
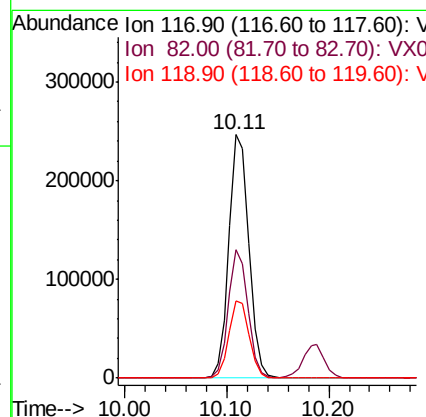
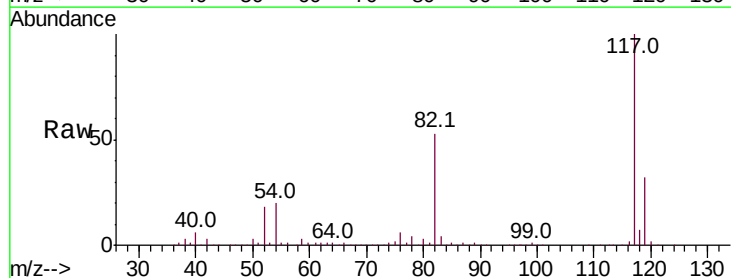
Tgt Ion: 117 Resp: 335261

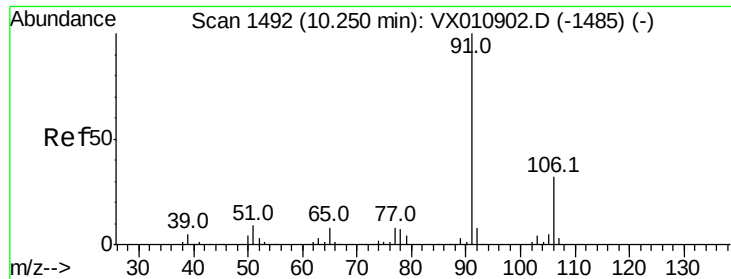
Ion Ratio Lower Upper

117 100

82 52.6 42.6 63.8

119 31.8 25.9 38.9





#67

Ethyl Benzene

Concen: 11.114 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampled :

FL-0610

Tot Ion: 91 Resp: 130268

Ion Ratio Lower Upper

91 100

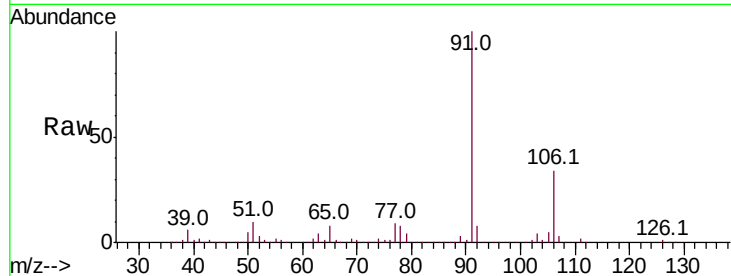
106 34.0 25.4 38.2

Manual Integrations

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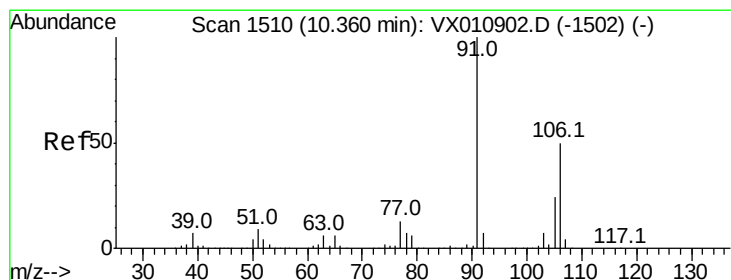
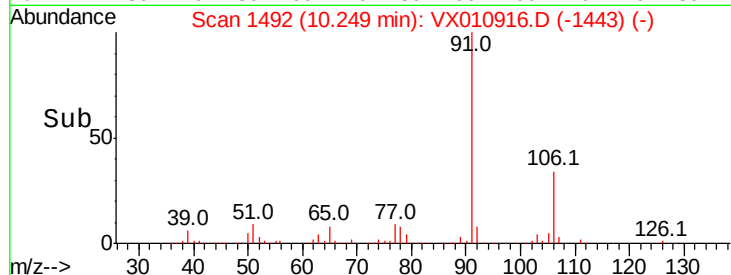
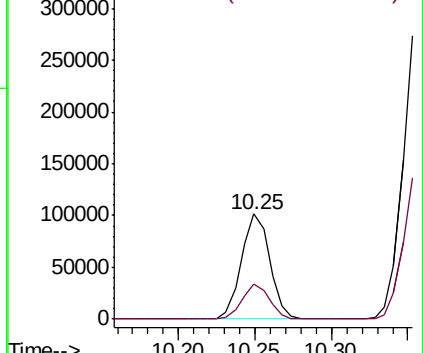
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 44.898 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010916.D

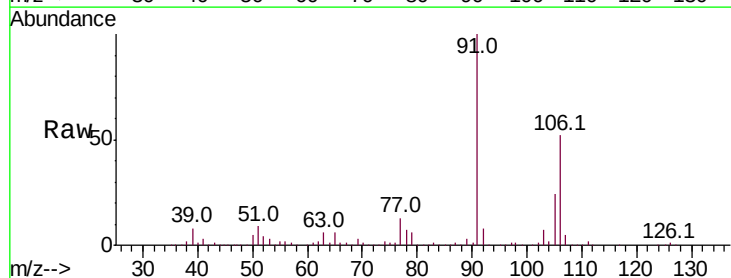
Acq: 16 Jul 2019 19:02

Tgt Ion:106 Resp: 201860

Ion Ratio Lower Upper

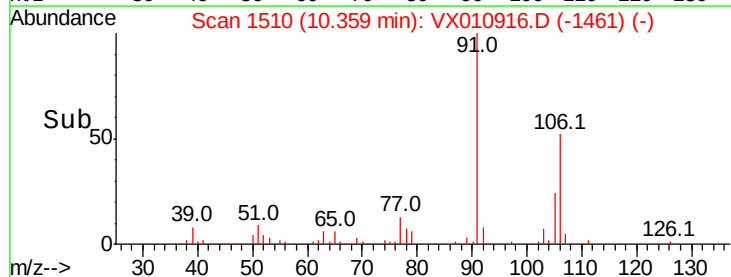
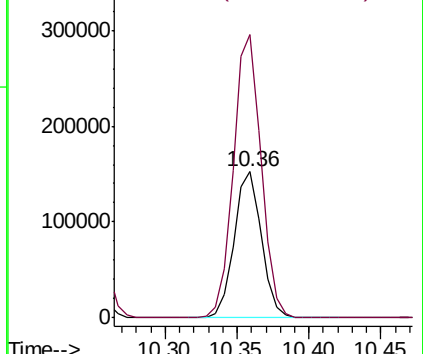
106 100

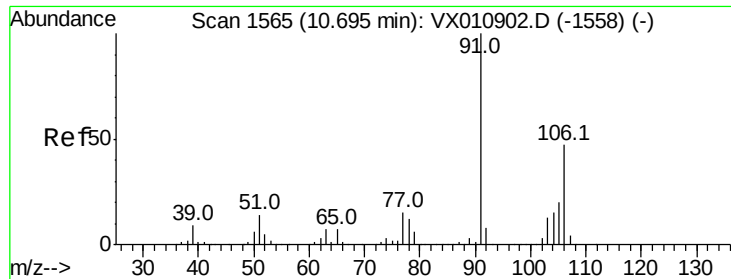
91 197.4 160.1 240.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





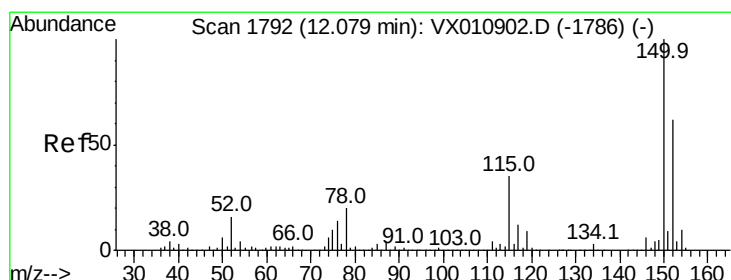
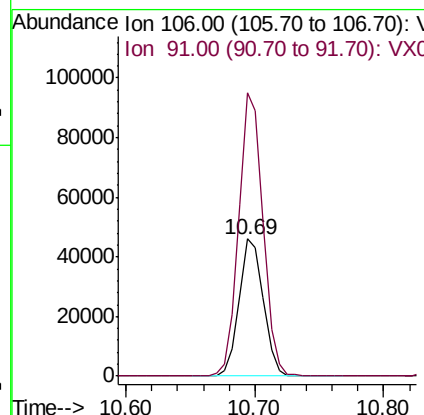
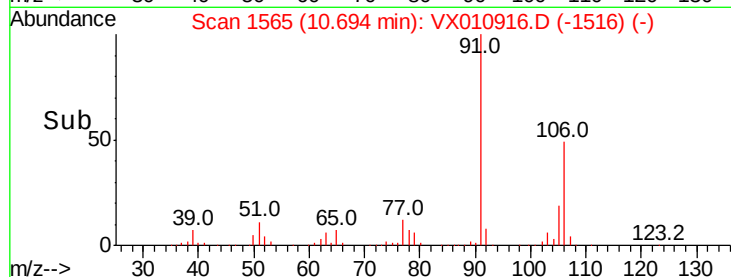
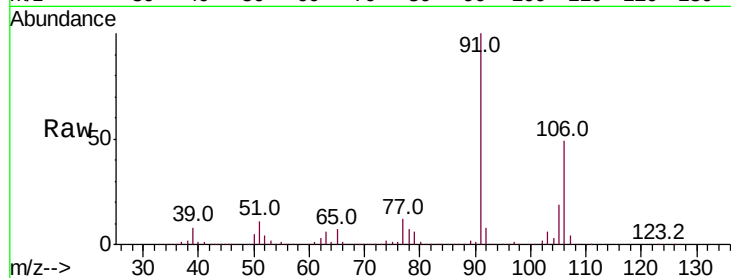
#69
o-Xylene
Concen: 13.867 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

Instrument :
MSVOA_X
ClientSampled :
FL-0610

Tot Ion:106 Resp: 60848
Ion Ratio Lower Upper
106 100
91 204.5 105.1 315.3

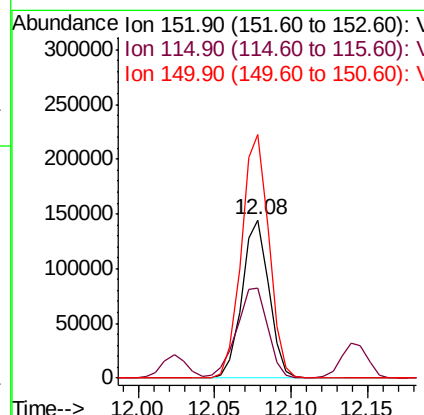
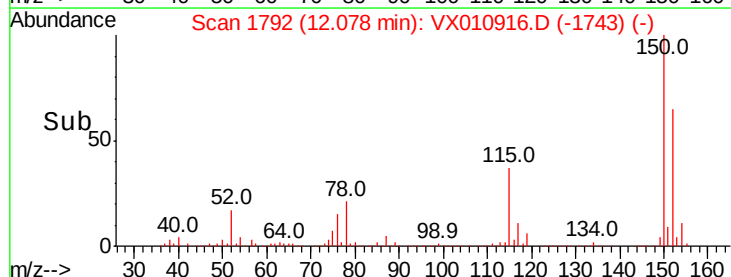
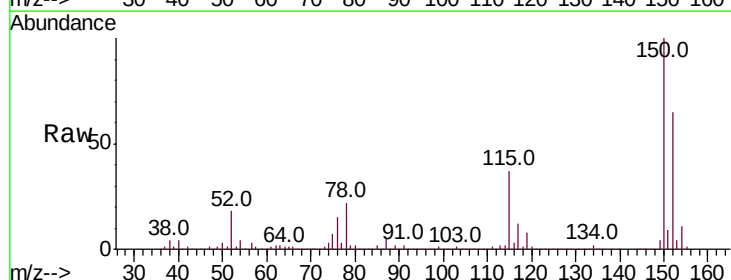
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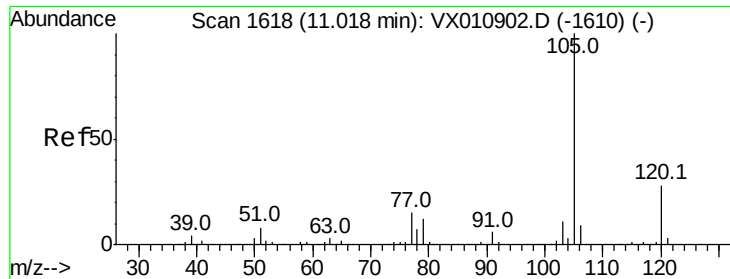
MMDadoda
7/17/2019 1:23:00 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

Tgt Ion:152 Resp: 176078
Ion Ratio Lower Upper
152 100
115 65.6 39.7 119.1
150 156.6 0.0 345.6





#73

Isopropylbenzene

Concen: 19.589 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

FL-0610

Tot Ion:105 Resp: 233066

Ion Ratio Lower Upper

105 100

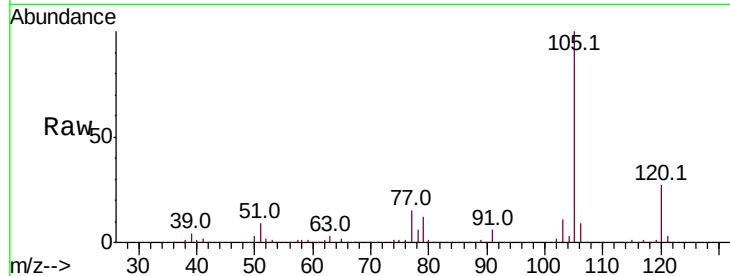
120 27.2 13.7 41.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

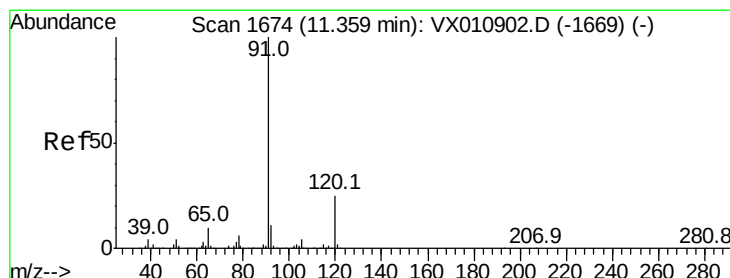
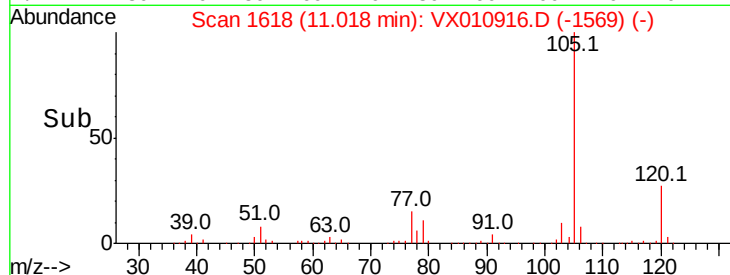
0

11.02

11.05

11.10

Time-->



#78

n-propylbenzene

Concen: 24.870 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010916.D

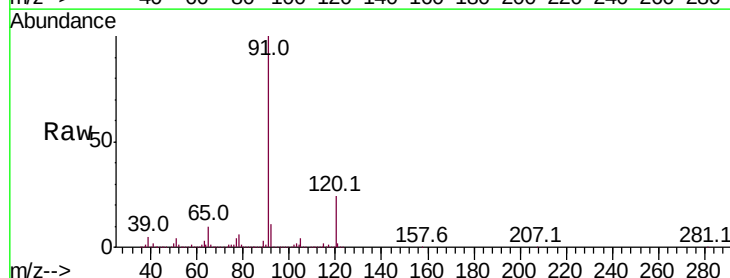
Acq: 16 Jul 2019 19:02

Tgt Ion: 91 Resp: 326943

Ion Ratio Lower Upper

91 100

120 24.4 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

600000

400000

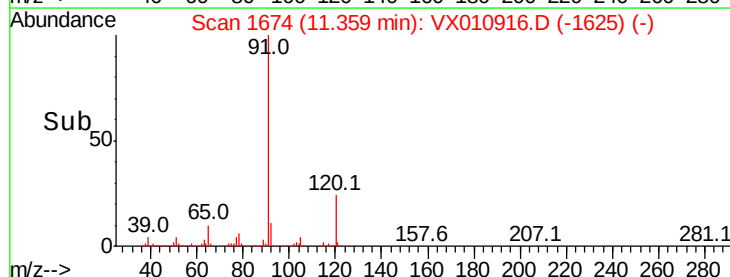
200000

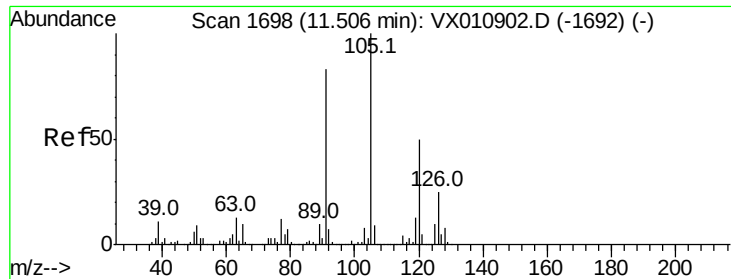
0

11.36

11.40

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 175.554 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampled :

FL-0610

Tot Ion:105 Resp: 1745293

Ion Ratio Lower Upper

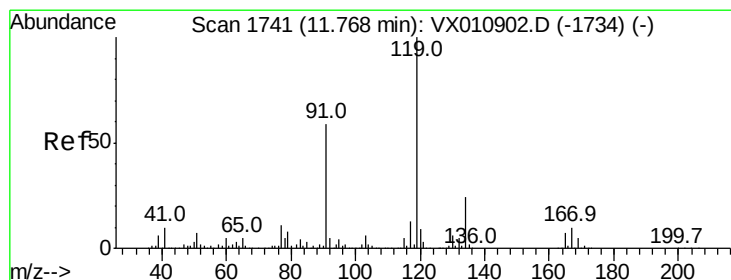
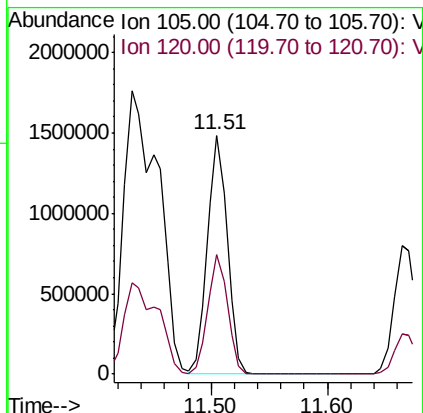
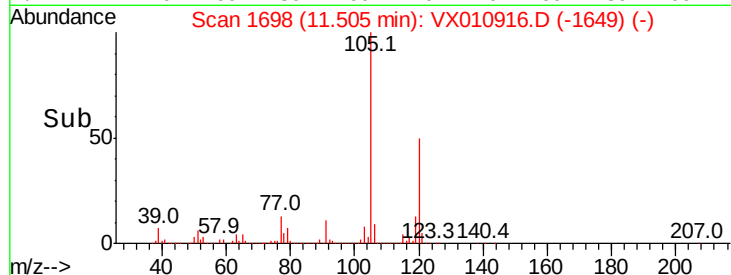
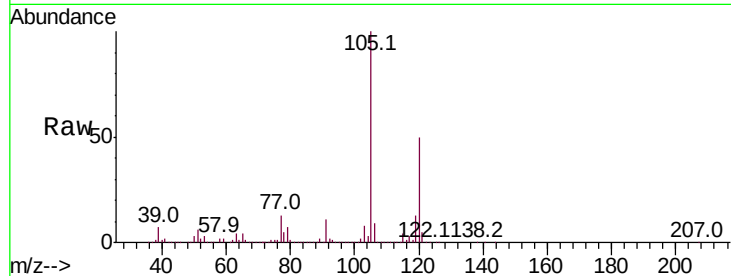
105 100

120 49.5 24.6 73.8

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#83

tert-Butylbenzene

Concen: 1.760 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

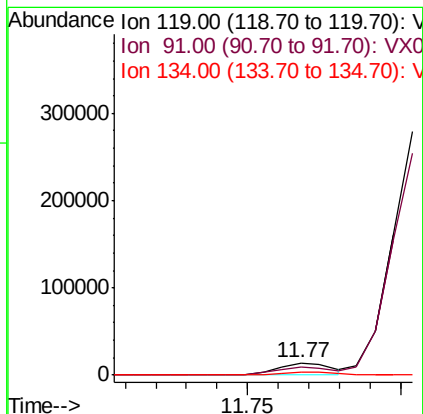
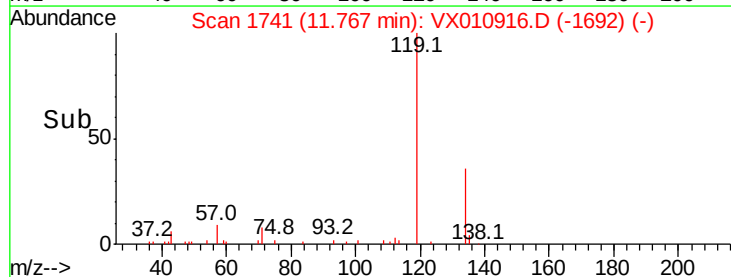
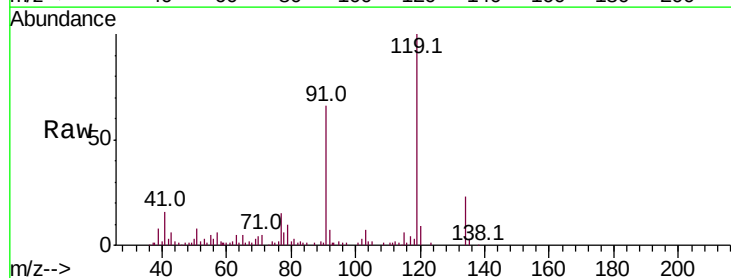
Tgt Ion:119 Resp: 17182

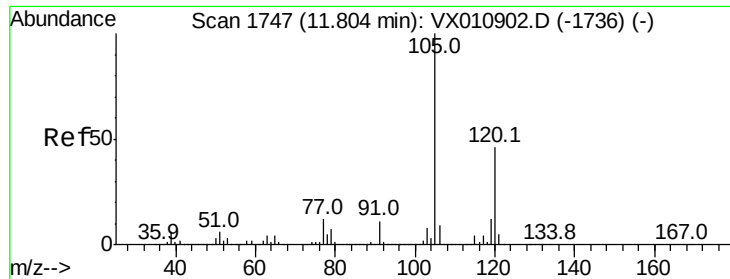
Ion Ratio Lower Upper

119 100

91 64.9 28.6 85.8

134 24.6 11.6 34.8





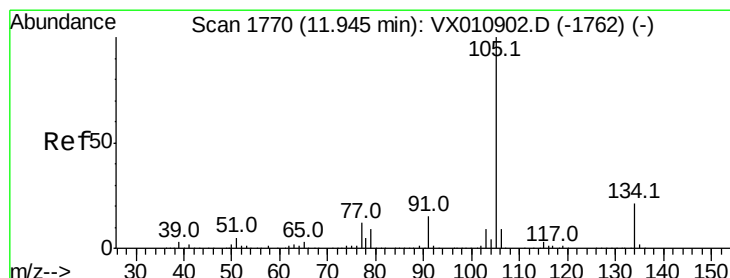
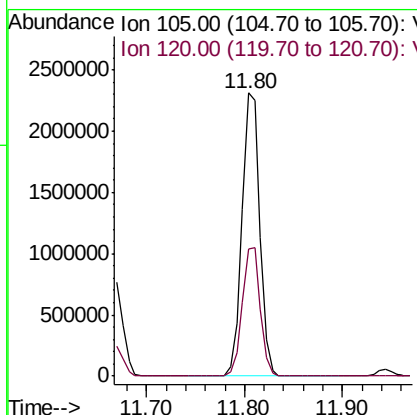
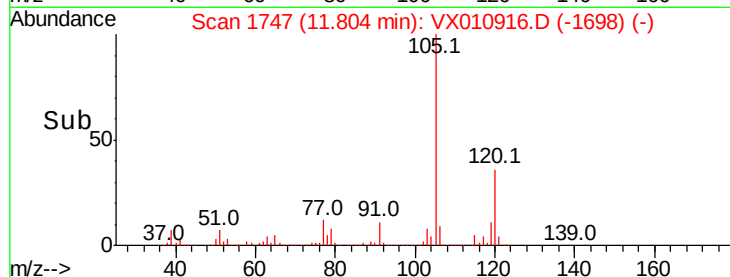
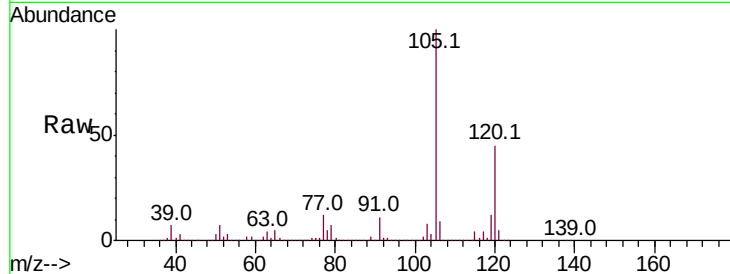
#84
 1,2,4-Trimethylbenzene
 Concen: 289.349 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010916.D
 Acq: 16 Jul 2019 19:02

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0610

Tot Ion:105 Resp: 2899322
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.9 68.5

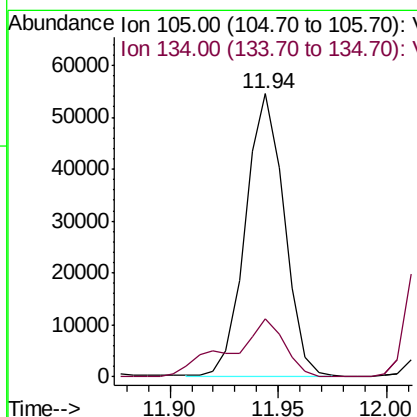
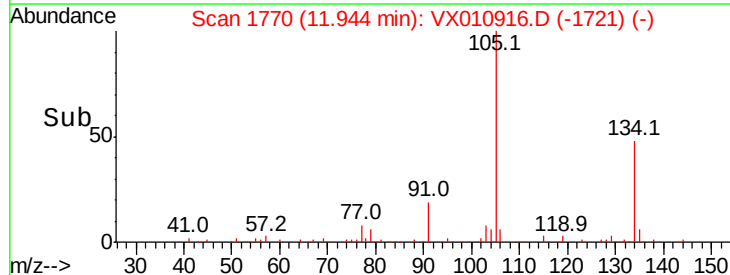
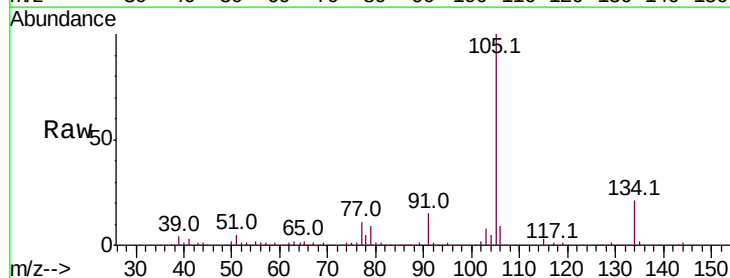
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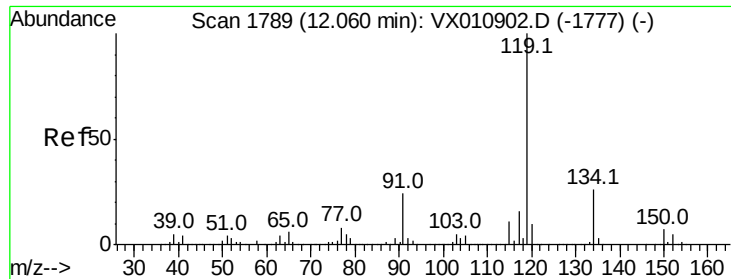
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#85
 sec-Butylbenzene
 Concen: 5.929 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX010916.D
 Acq: 16 Jul 2019 19:02

Tgt Ion:105 Resp: 67838
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.4#





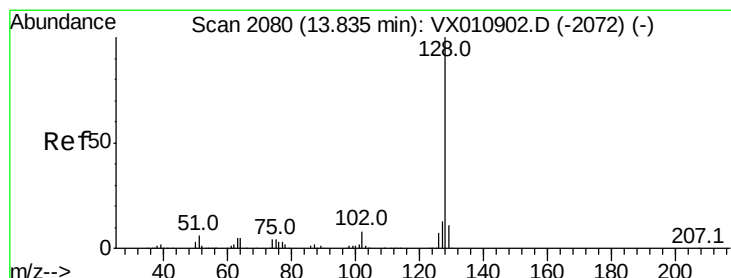
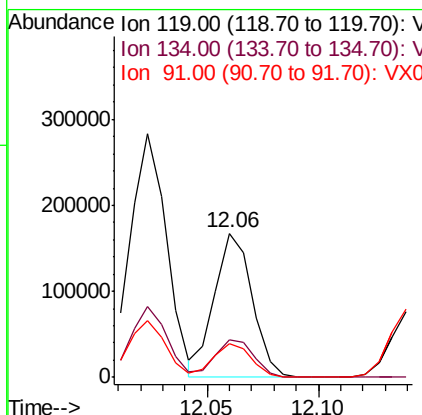
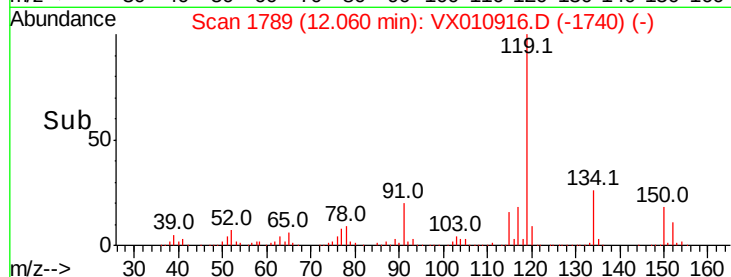
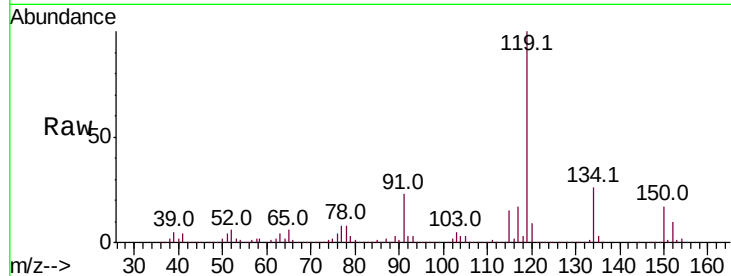
#86
p-Isopropyltoluene
Concen: 18.539 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

Instrument :
MSVOA_X
ClientSampled :
FL-0610

Tot Ion	Ratio	Resp	Lower	Upper
119	100	196108		
134	27.1	13.4	40.1	
91	23.6	11.8	35.4	

Manual Integrations
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#95
Naphthalene
Concen: 20.467 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	231190		
127	14.0	10.4	15.6	
129	12.3	8.9	13.3	

