

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
 Data File : VX010963.D
 Acq On : 18 Jul 2019 16:56
 Operator : JC/SP
 Sample : K3884-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0612

Manual Integrations
 APPROVED

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 7/22/2019 12:23:01 PM

Quant Time: Jul 19 03:07:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	228622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	355449	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	332776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177097	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	123253	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
35) Dibromofluoromethane	5.50	113	109419	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
50) Toluene-d8	8.71	98	427968	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	11.13	95	164926	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.44	43	2147m	1.954	ug/l	
31) Cyclohexane	5.58	56	407391	123.364	ug/l	99
39) Methylcyclohexane	7.46	83	585928	154.751	ug/l	98
67) Ethyl Benzene	10.25	91	2027621	174.285	ug/l	100
68) m/p-Xylenes	10.36	106	1779982	398.861	ug/l	100
69) o-Xylene	10.70	106	830618	190.713	ug/l	99
73) Isopropylbenzene	11.02	105	276998	23.148	ug/l	99
78) n-propylbenzene	11.36	91	431465	32.633	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	744154	74.422	ug/l	100
83) tert-Butylbenzene	11.77	119	12555	1.278	ug/l	86
84) 1,2,4-Trimethylbenzene	11.80	105	1834217	181.999	ug/l	100
85) sec-Butylbenzene	11.94	105	66944	5.817	ug/l	99
86) p-Isopropyltoluene	12.06	119	68182	6.408	ug/l	98
89) n-Butylbenzene	12.38	91	88623	9.736	ug/l #	21
95) Naphthalene	13.83	128	760415	66.931	ug/l	99

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

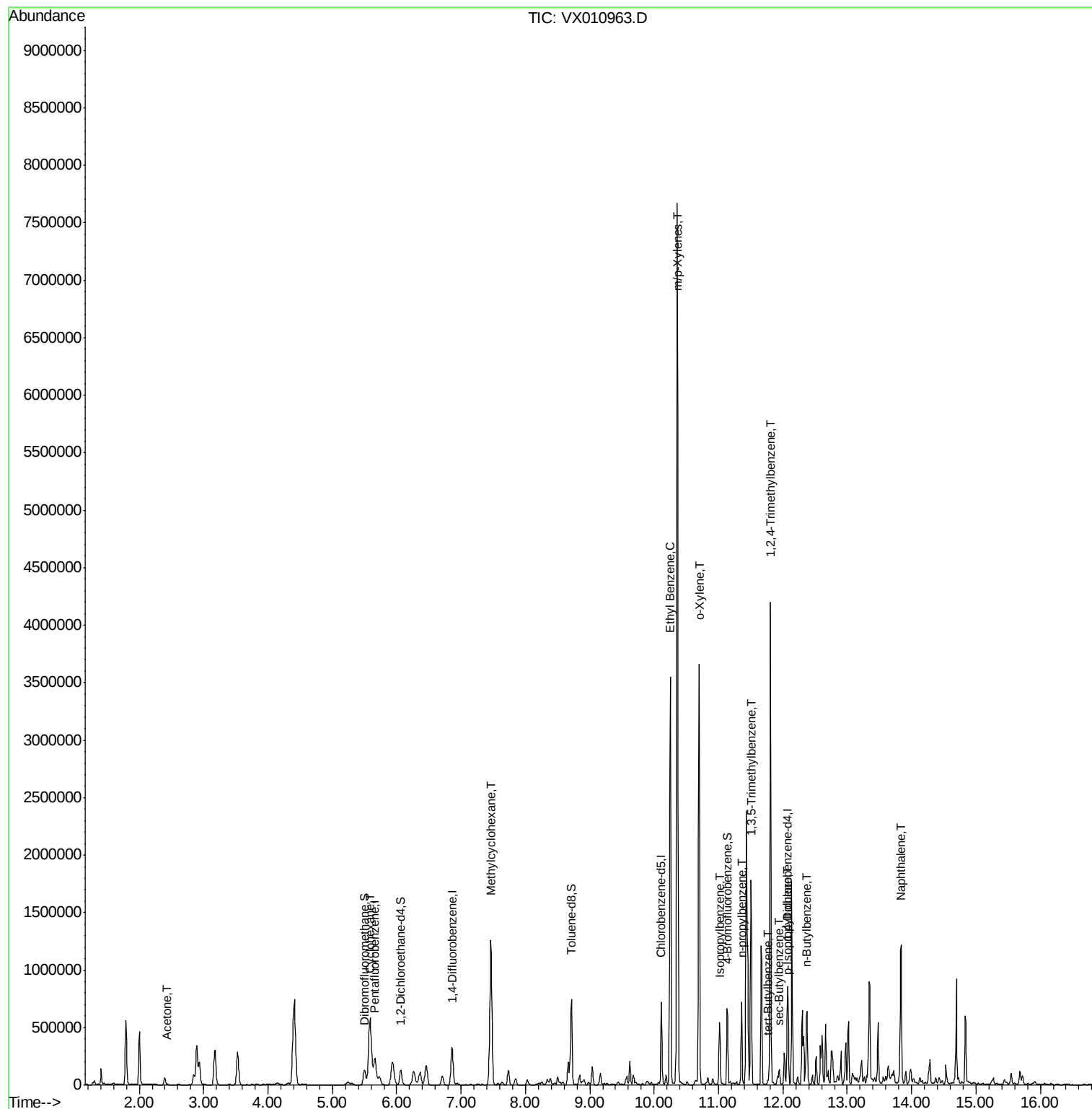
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071819\
Data File : VX010963.D
Acq On : 18 Jul 2019 16:56
Operator : JC/SP
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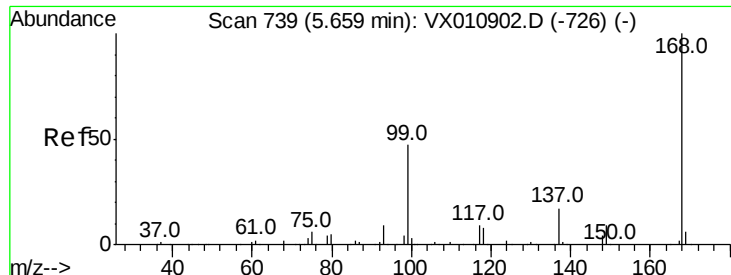
Instrument :
MSVOA_X
ClientSampleId :
FL-0612

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Quant Time: Jul 19 03:07:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 17 06:57:45 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: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :

MSVOA_X

ClientSampled :

FL-0612

Tot Ion:168 Resp: 228622

Ion Ratio Lower Upper

168 100

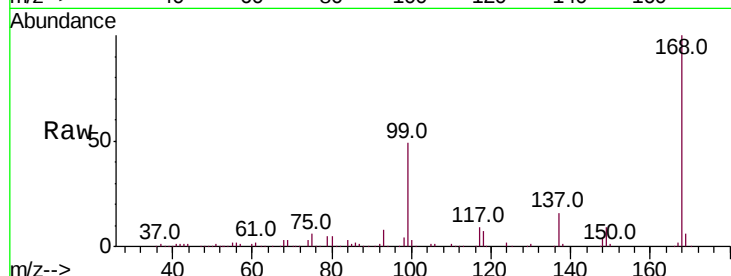
99 48.7 37.6 56.4

Manual Integrations

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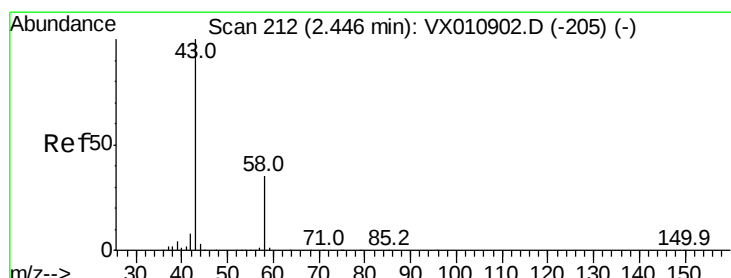
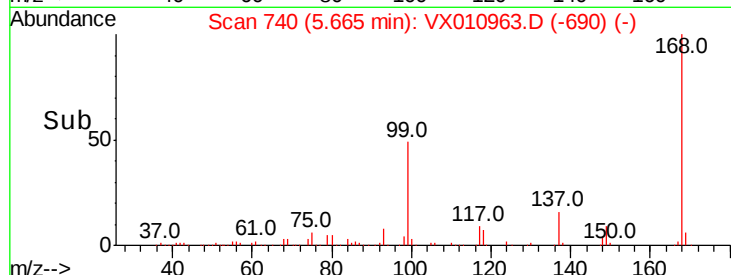
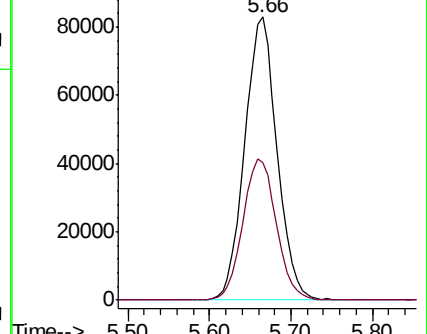
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 1.954 ug/l m

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010963.D

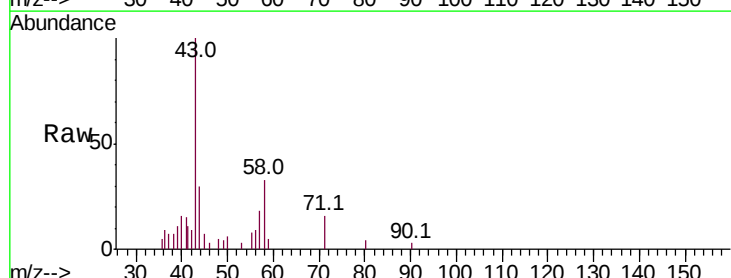
Acq: 18 Jul 2019 16:56

Tgt Ion: 43 Resp: 2147

Ion Ratio Lower Upper

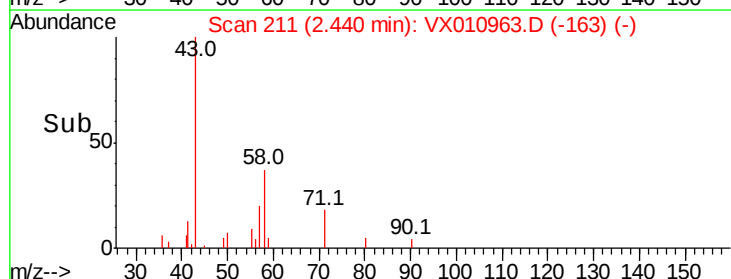
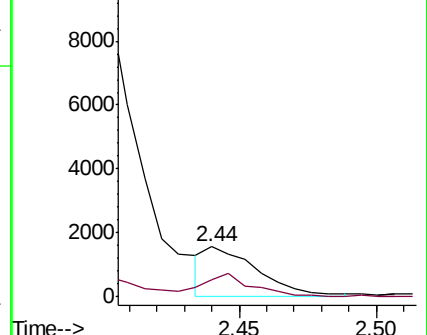
43 100

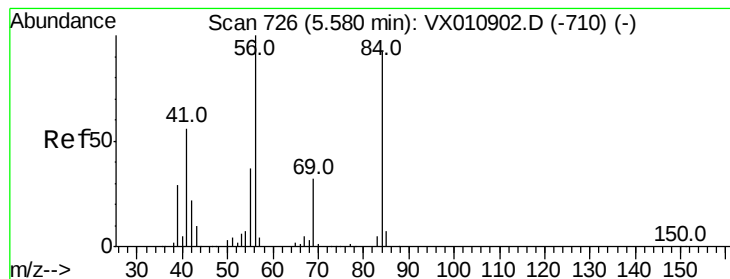
58 33.4 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#31

Cyclohexane

Concen: 123.364 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

FL-0612

Tot Ion: 56 Resp: 407391

Ion Ratio Lower Upper

56 100

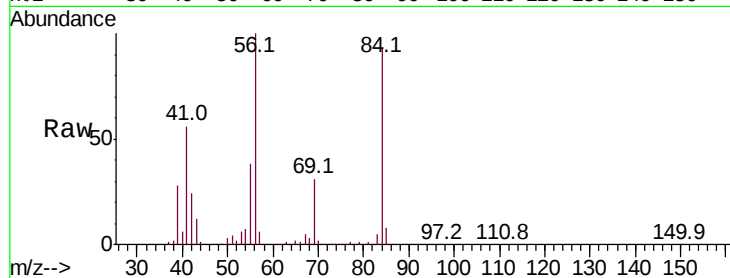
69 30.8 25.8 38.8

84 93.1 73.8 110.6

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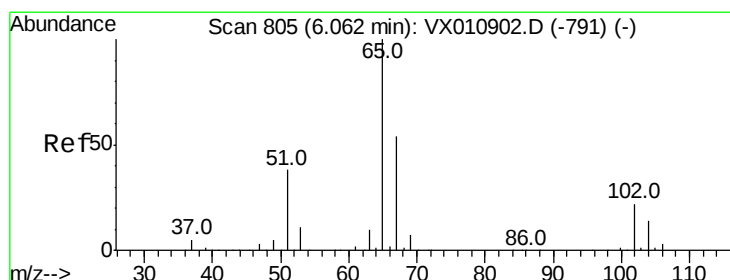
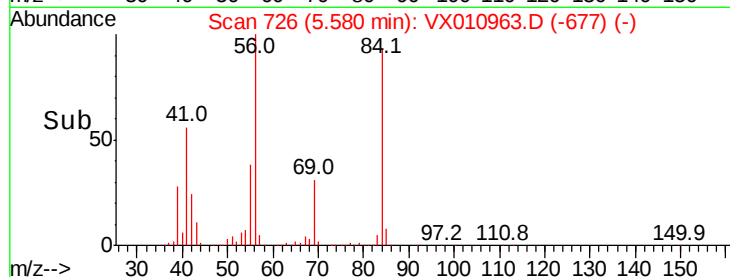
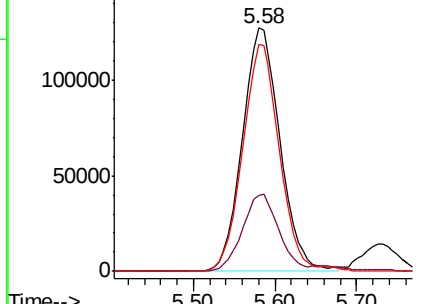
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.676 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010963.D

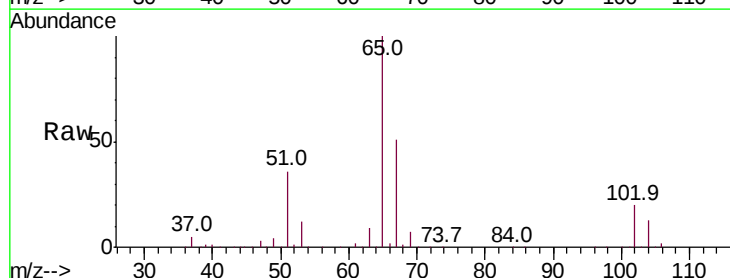
Acq: 18 Jul 2019 16:56

Tgt Ion: 65 Resp: 123253

Ion Ratio Lower Upper

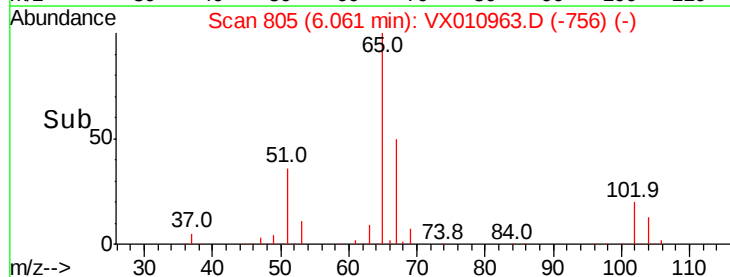
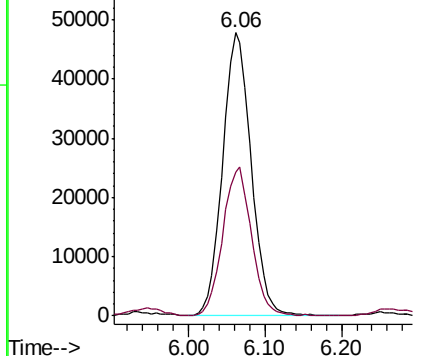
65 100

67 52.5 0.0 107.8



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :

MSVOA_X

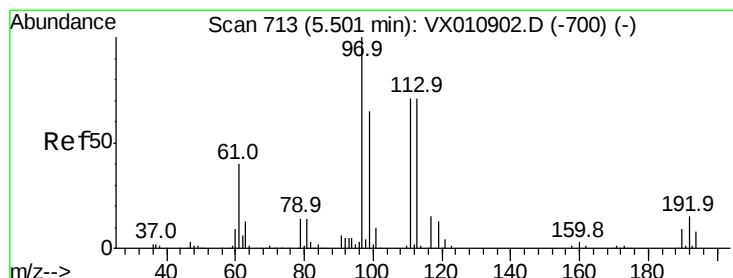
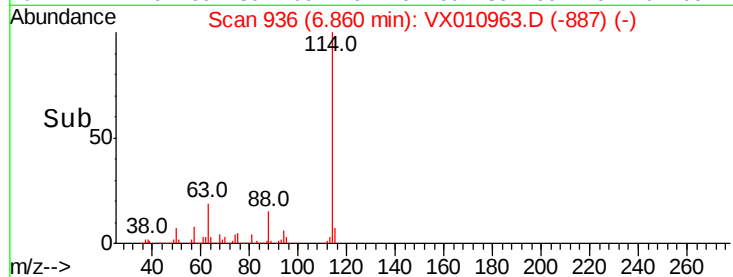
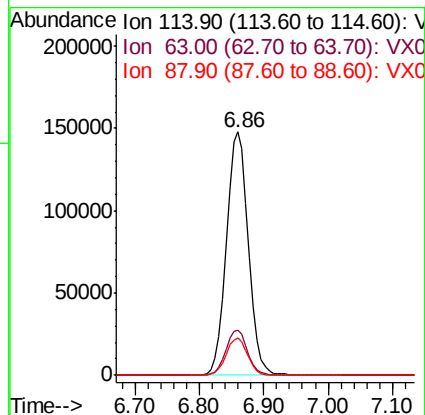
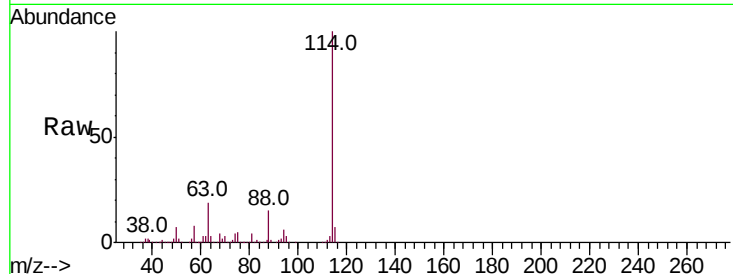
ClientSampleId :

FL-0612

Tot Ion:	114	Resp:	355449
Ion Ratio	Lower	Upper	
114	100		
63	18.6	0.0	35.6
88	15.4	0.0	29.8

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#35

Dibromofluoromethane

Concen: 48.499 ug/l

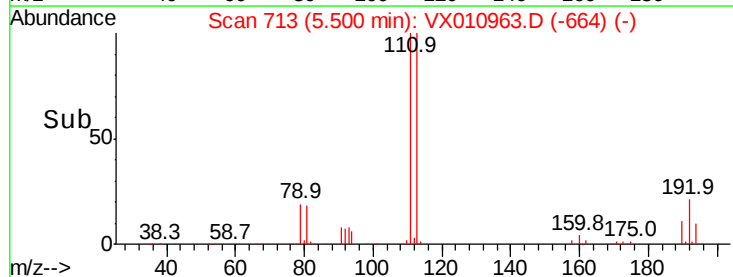
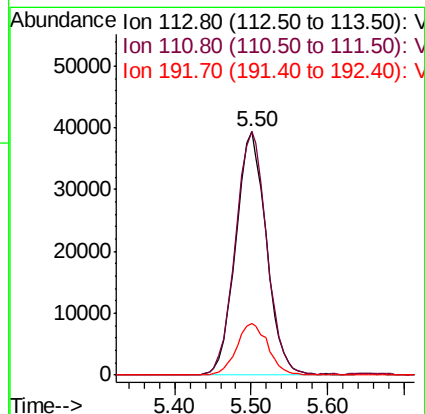
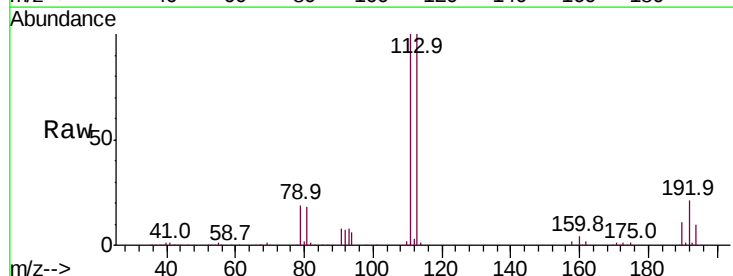
RT: 5.50 min Scan# 713

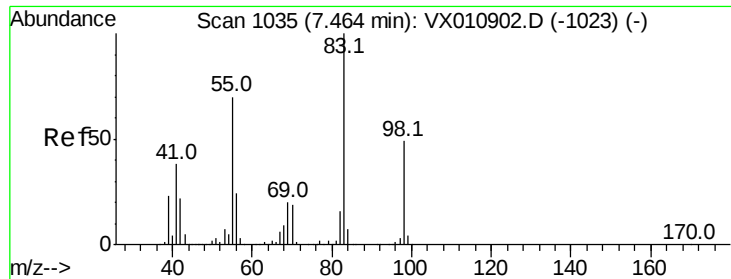
Delta R.T. -0.00 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Tgt Ion:	113	Resp:	109419
Ion Ratio	Lower	Upper	
113	100		
111	102.1	82.3	123.5
192	21.6	17.4	26.2





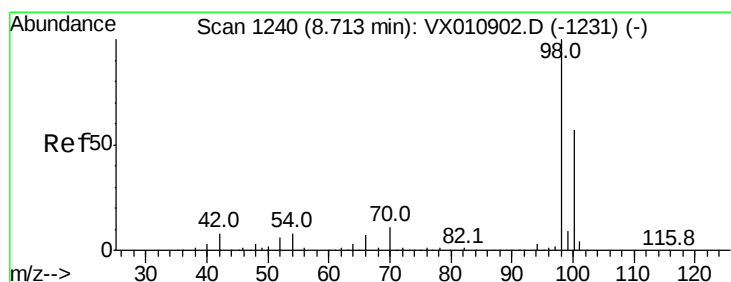
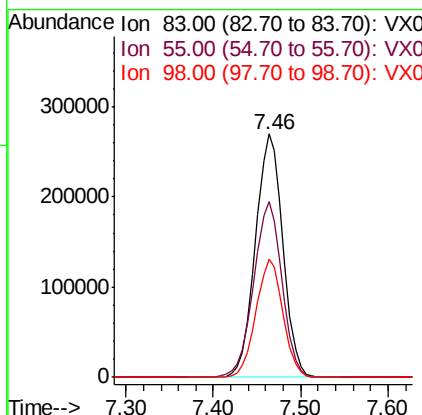
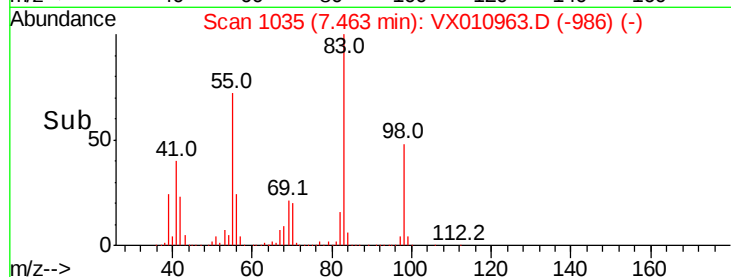
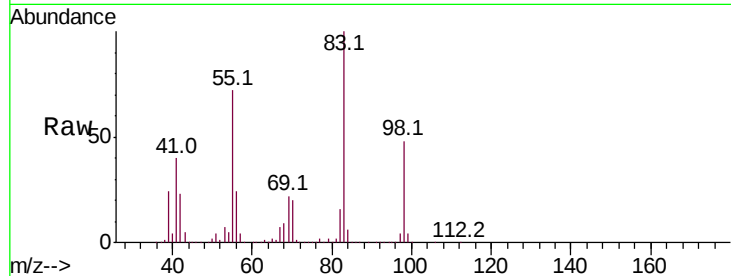
#39
Methvlcvclohexane
Concen: 154.751 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010963.D
Acq: 18 Jul 2019 16:56

Instrument :
MSVOA_X
ClientSampled :
FL-0612

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	72.4	56.2	84.4	
98	48.3	39.0	58.4	

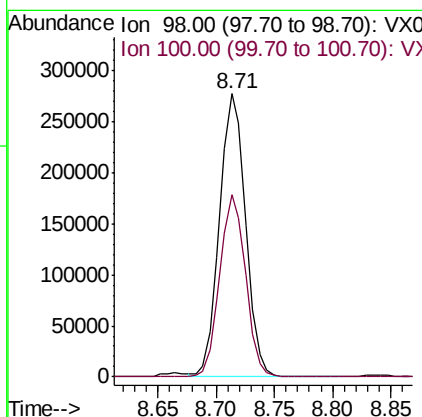
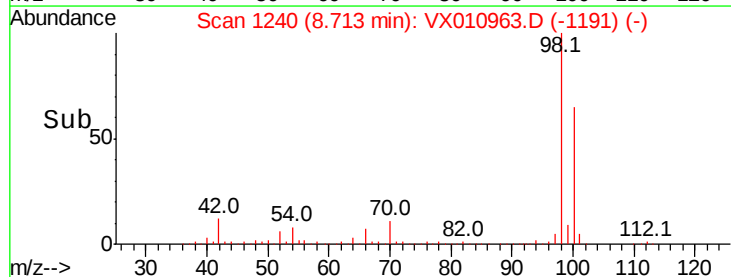
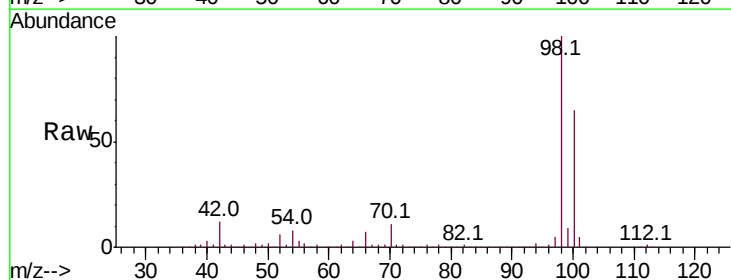
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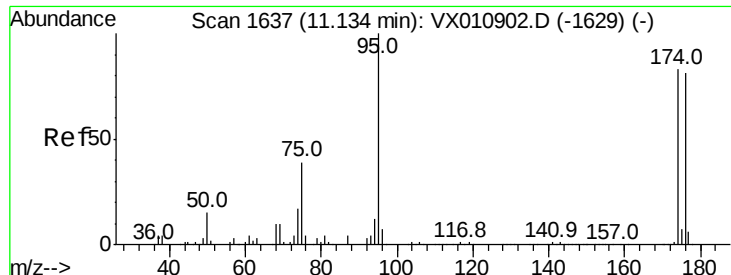
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#50
Toluene-d8
Concen: 50.576 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010963.D
Acq: 18 Jul 2019 16:56

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.1	50.6	75.8	





#62

4-Bromofluorobenzene

Concen: 53.025 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

FL-0612

Tot Ion: 95 Resp: 164926

Ion Ratio Lower Upper

95 100

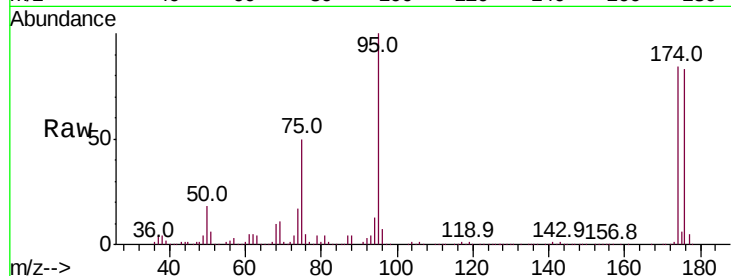
174 88.0 0.0 180.6

176 87.6 0.0 173.8

Manual Integrations
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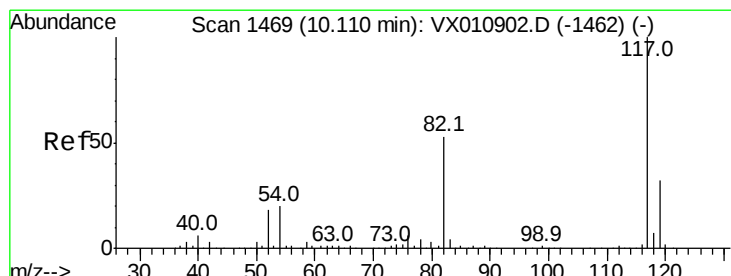
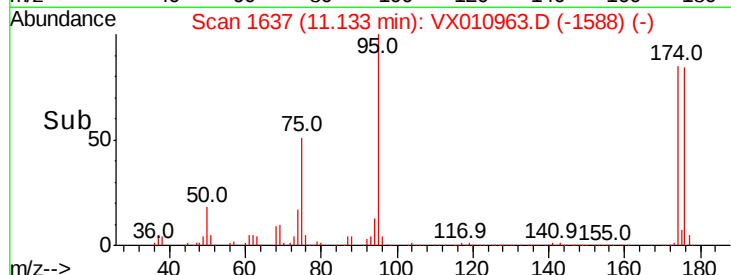
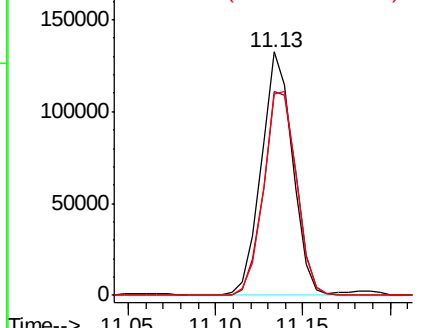
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Abundance Ion 94.90 (94.60 to 95.60): VX010902.D (-1629) (-)

Ion 173.80 (173.50 to 174.50): VX010902.D (-1629) (-)

Ion 175.80 (175.50 to 176.50): VX010902.D (-1629) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

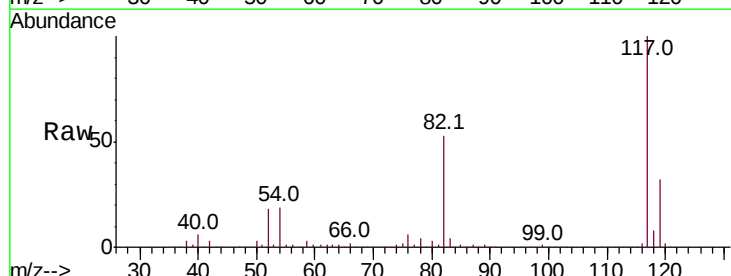
Tgt Ion: 117 Resp: 332776

Ion Ratio Lower Upper

117 100

82 53.1 42.6 63.8

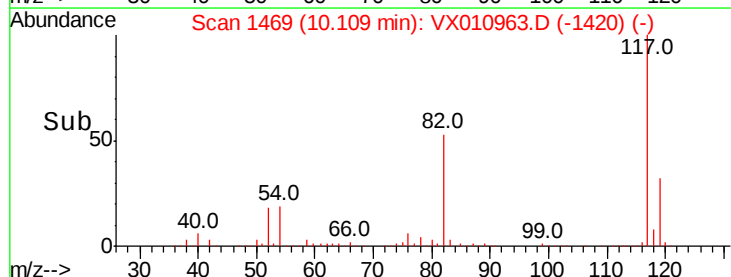
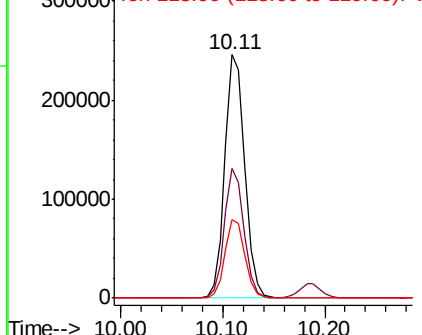
119 32.0 25.9 38.9

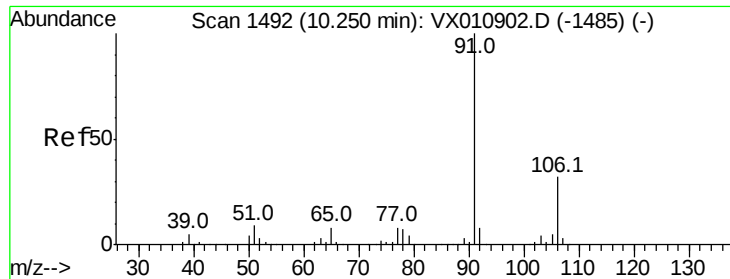


Abundance Ion 116.90 (116.60 to 117.60): VX010902.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010902.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010902.D (-1462) (-)





#67

Ethyl Benzene

Concen: 174.285 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :

MSVOA_X

ClientSampled :

FL-0612

Tot Ion: 91 Resp: 2027621

Ion Ratio Lower Upper

91 100

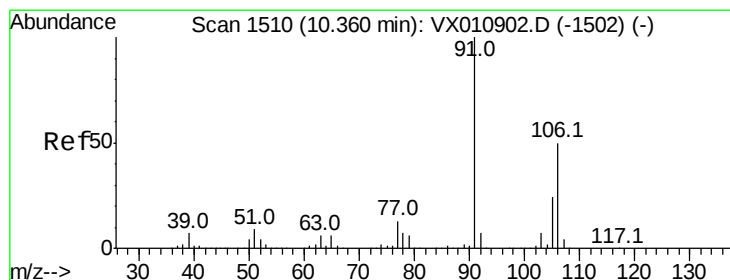
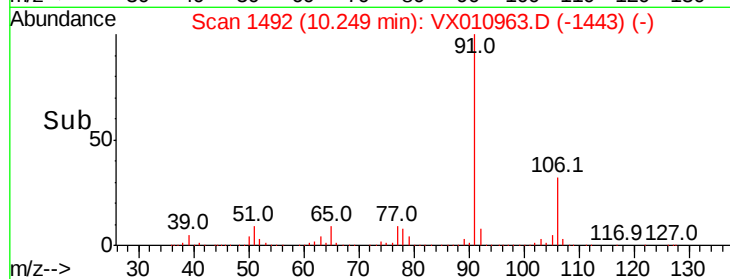
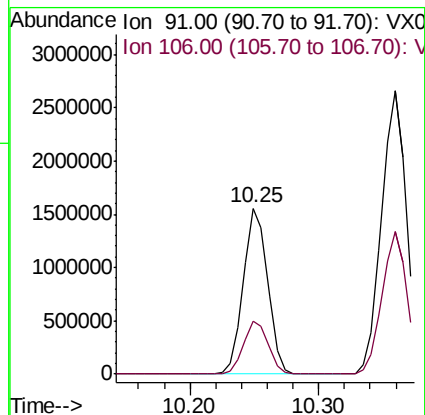
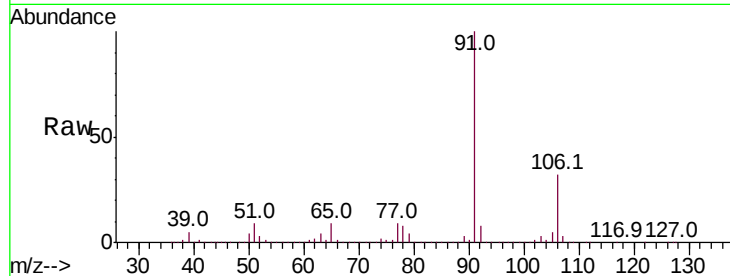
106 31.7 25.4 38.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 398.861 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010963.D

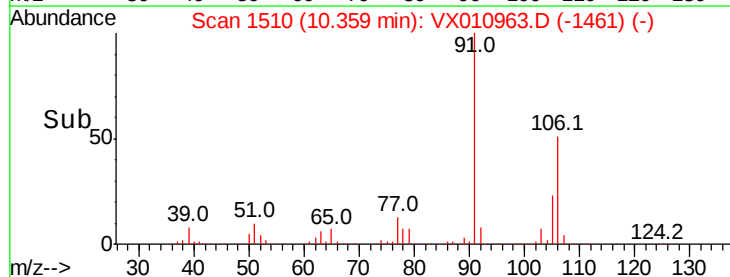
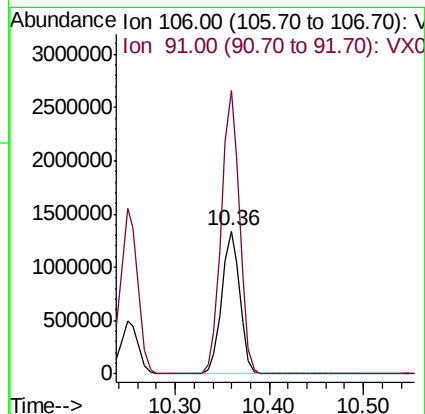
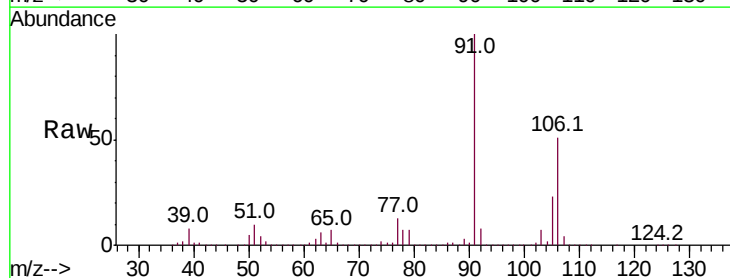
Acq: 18 Jul 2019 16:56

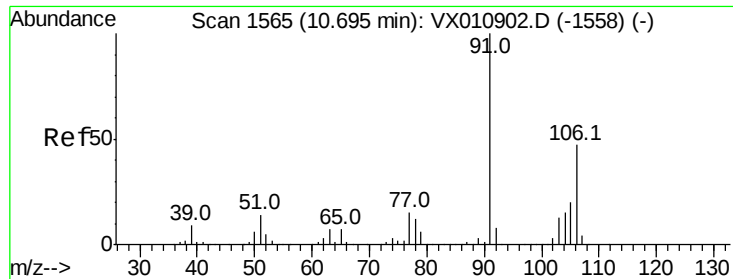
Tgt Ion: 106 Resp: 1779982

Ion Ratio Lower Upper

106 100

91 199.6 160.1 240.1





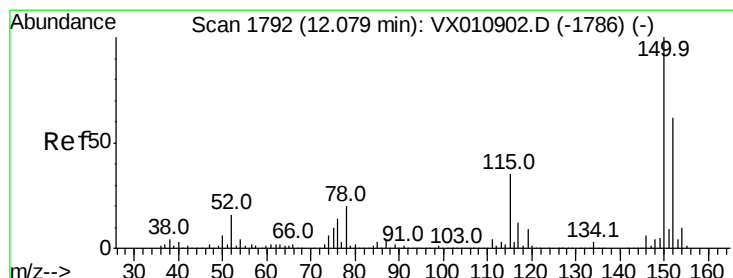
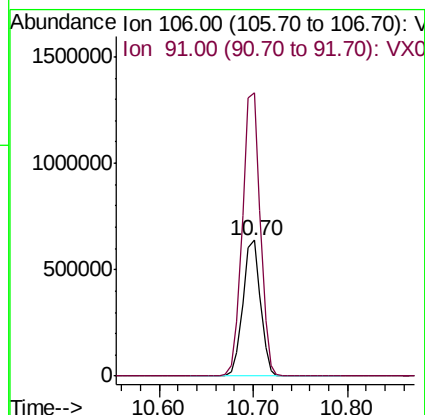
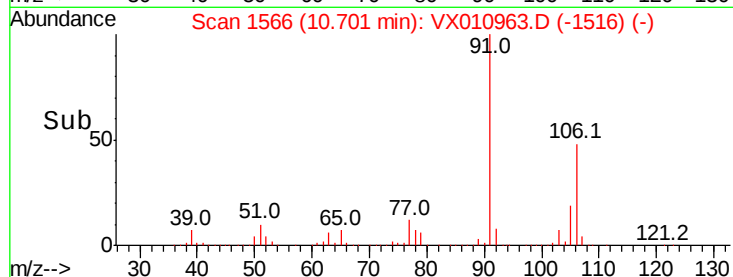
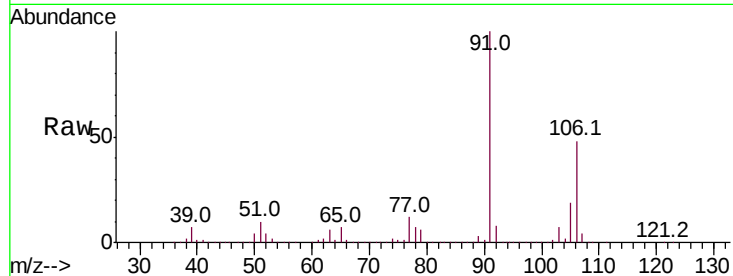
#69
o-Xylene
Concen: 190.713 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010963.D
Acq: 18 Jul 2019 16:56

Instrument :
MSVOA_X
ClientSampled :
FL-0612

Tot Ion:106 Resp: 830618
Ion Ratio Lower Upper
106 100
91 211.8 105.1 315.3

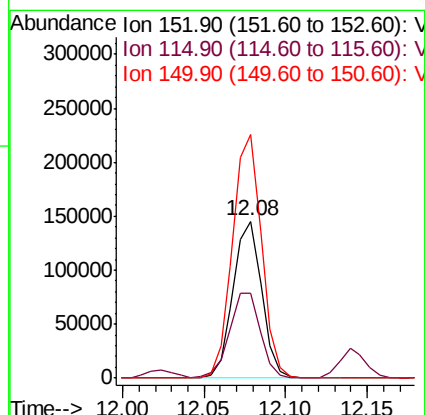
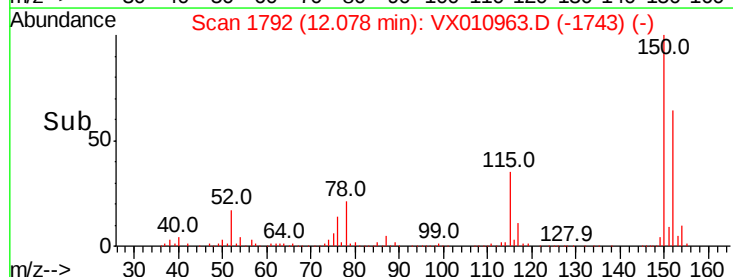
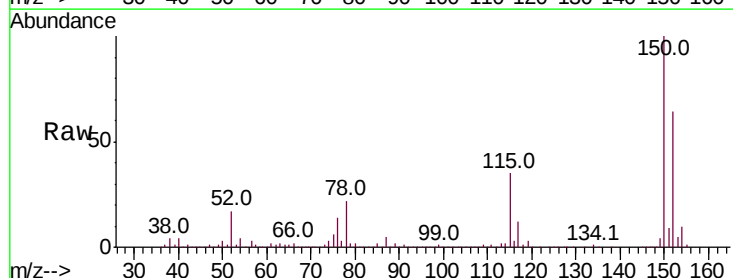
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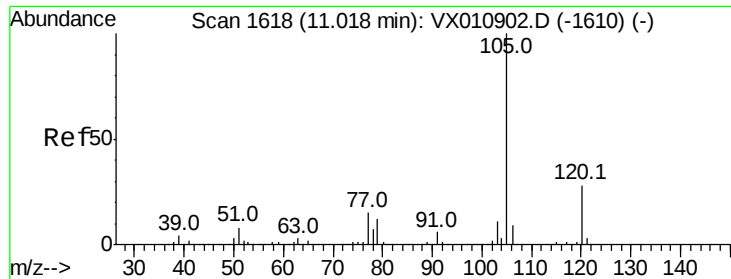
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010963.D
Acq: 18 Jul 2019 16:56

Tgt Ion:152 Resp: 177097
Ion Ratio Lower Upper
152 100
115 58.3 39.7 119.1
150 157.3 0.0 345.6





#73

Isopropylbenzene

Concen: 23.148 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :

MSVOA_X

ClientSampled :

FL-0612

Tot Ion:105 Resp: 276998

Ion Ratio Lower Upper

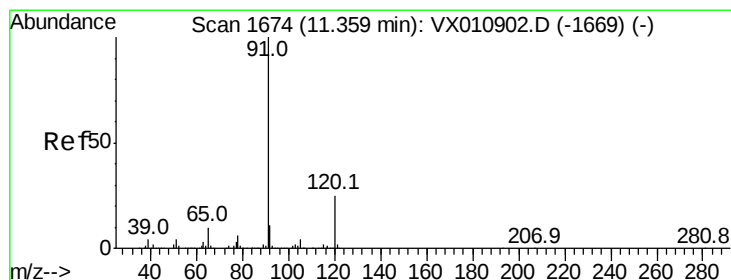
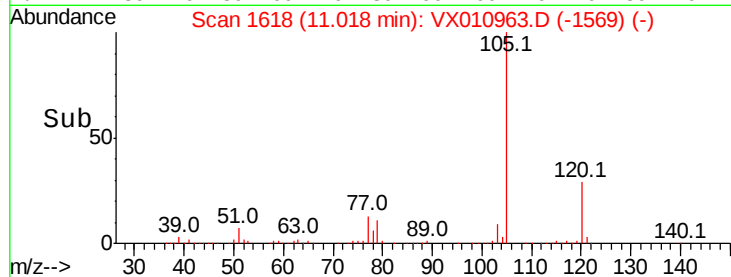
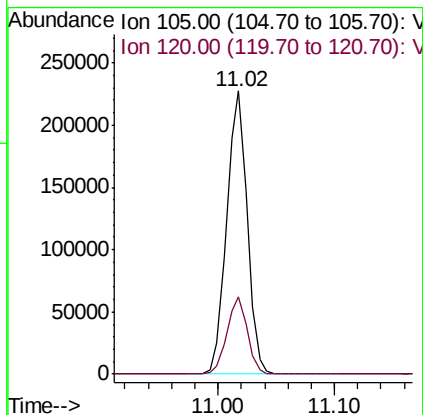
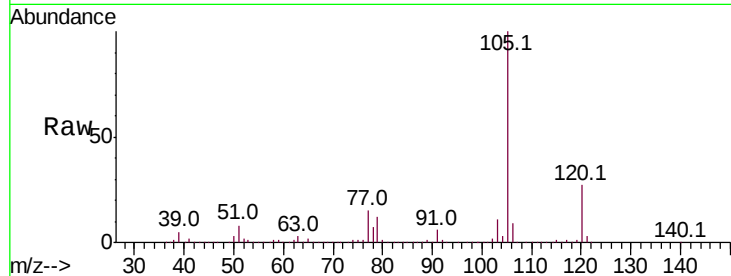
105 100

120 27.0 13.7 41.1

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#78

n-propylbenzene

Concen: 32.633 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010963.D

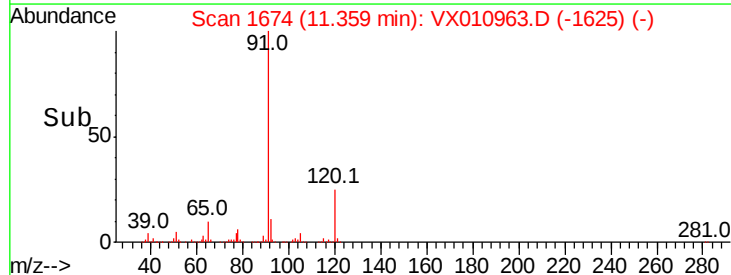
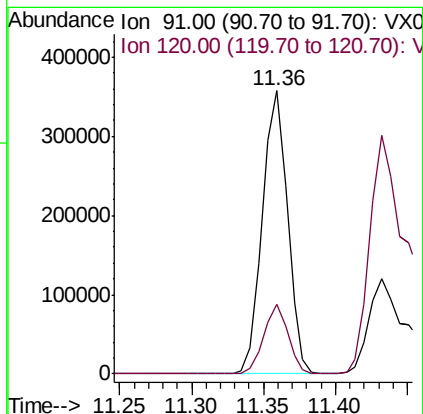
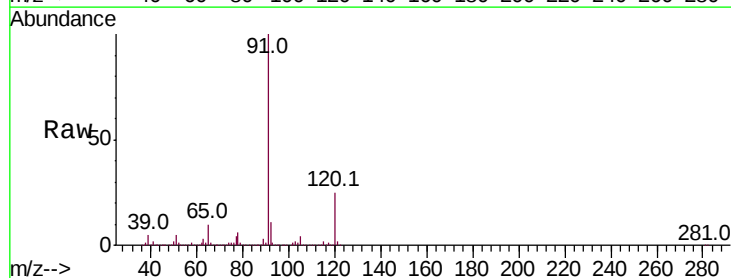
Acq: 18 Jul 2019 16:56

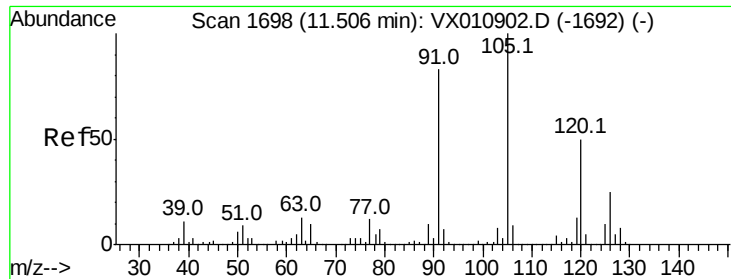
Tgt Ion: 91 Resp: 431465

Ion Ratio Lower Upper

91 100

120 23.7 12.3 36.8





#80

1,3,5-Trimethylbenzene

Concen: 74.422 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :

MSVOA_X

ClientSampled :

FL-0612

Tot Ion:105 Resp: 744154

Ion Ratio Lower Upper

105 100

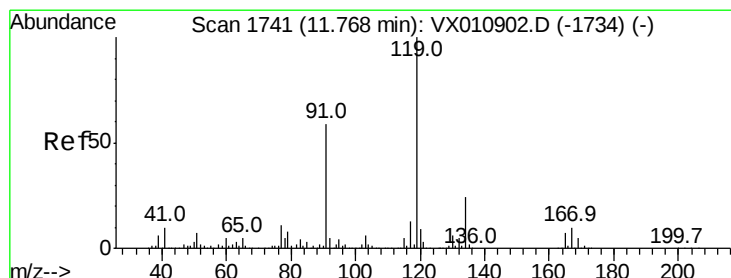
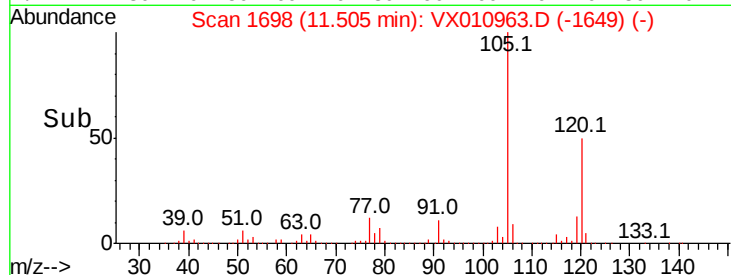
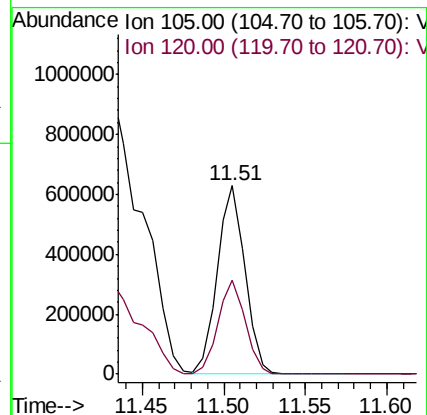
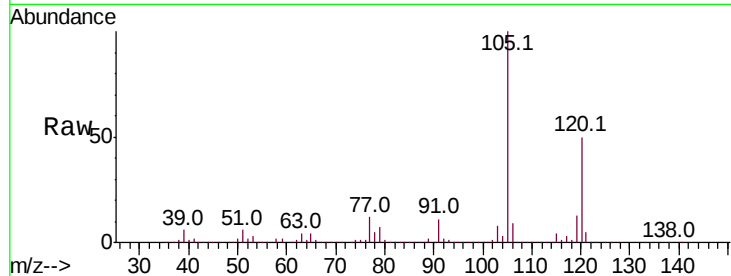
120 49.0 24.6 73.8

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#83

tert-Butylbenzene

Concen: 1.278 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

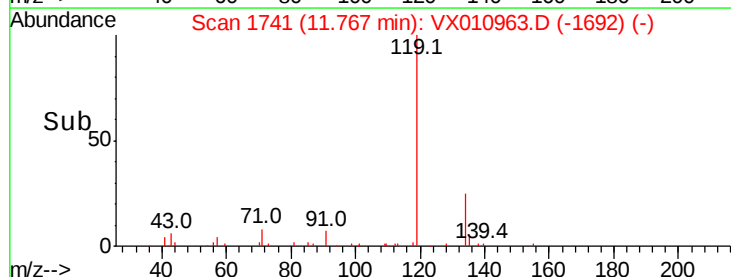
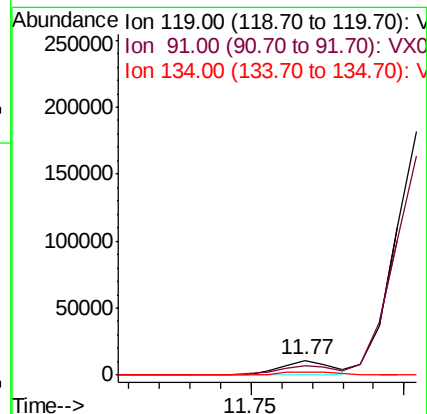
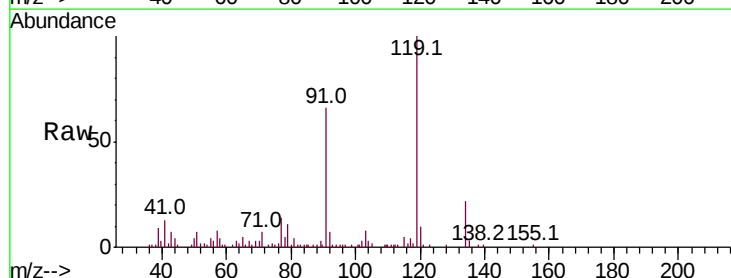
Tgt Ion:119 Resp: 12555

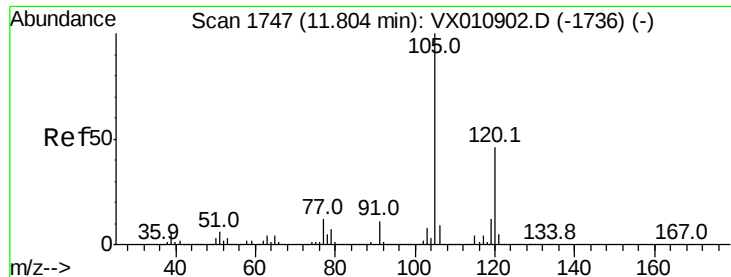
Ion Ratio Lower Upper

119 100

91 70.4 28.6 85.8

134 25.1 11.6 34.8





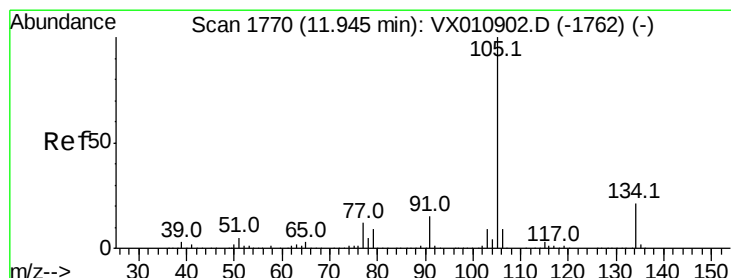
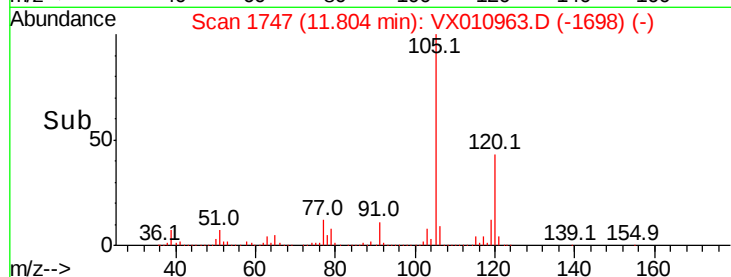
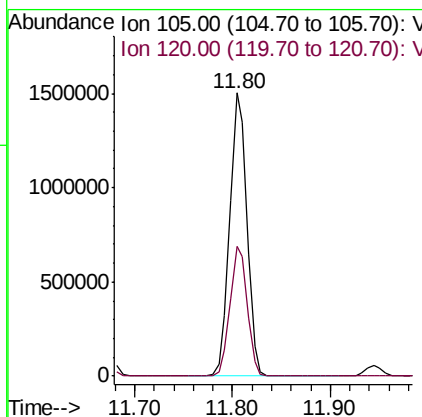
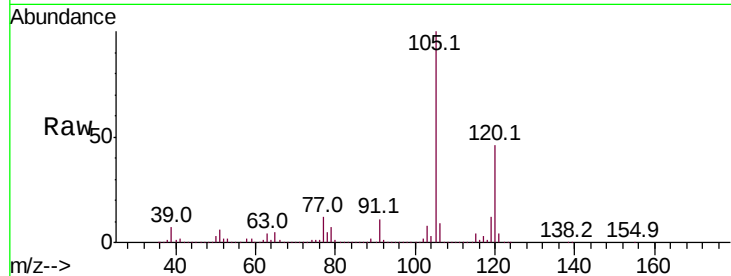
#84
 1,2,4-Trimethylbenzene
 Concen: 181.999 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010963.D
 Acq: 18 Jul 2019 16:56

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0612

Tot Ion:105 Resp: 1834217
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.5

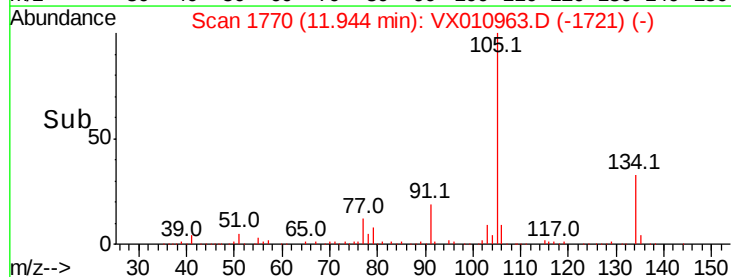
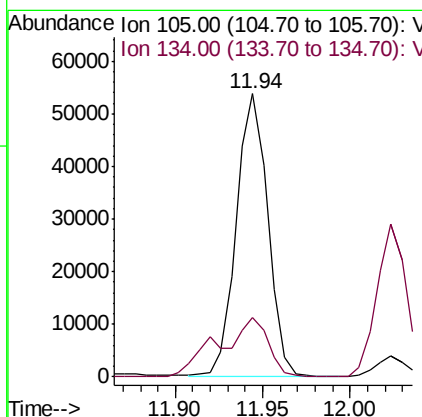
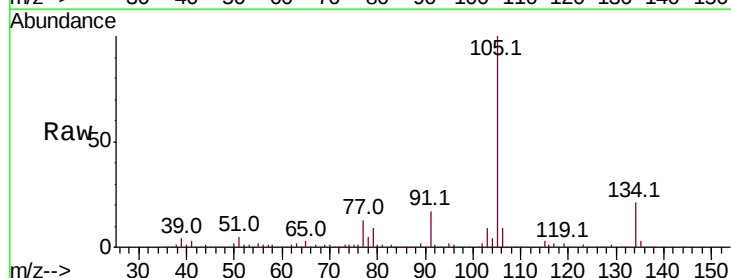
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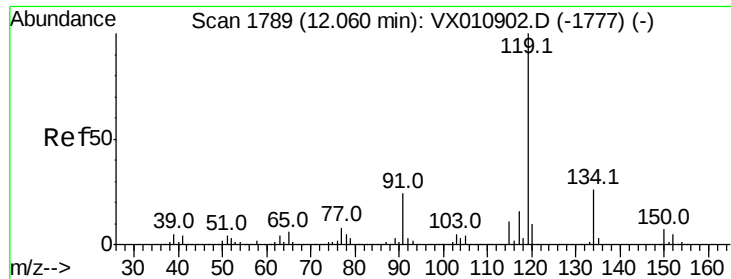
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#85
 sec-Butylbenzene
 Concen: 5.817 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX010963.D
 Acq: 18 Jul 2019 16:56

Tgt Ion:105 Resp: 66944
 Ion Ratio Lower Upper
 105 100
 134 21.5 10.4 31.4





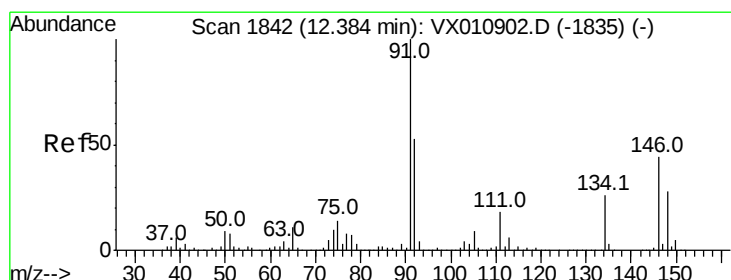
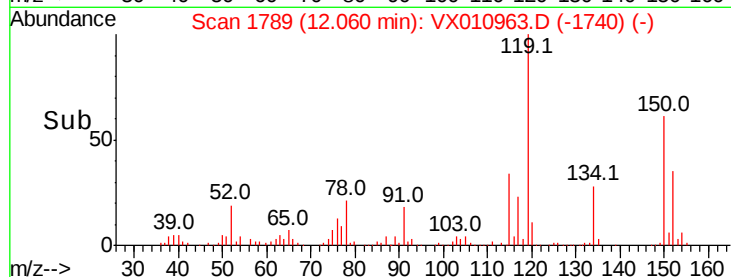
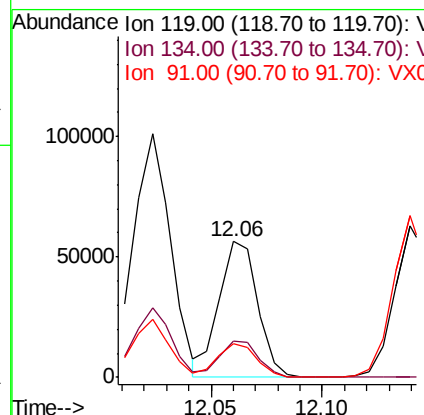
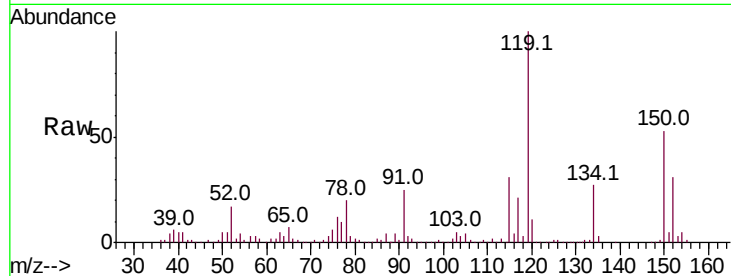
#86
p-Isopropyltoluene
Concen: 6.408 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX010963.D
Acq: 18 Jul 2019 16:56

Instrument :
MSVOA_X
ClientSampled :
FL-0612

Tot Ion	Ratio	Resp	Lower	Upper
119	100	68182		
134	27.4		13.4	40.1
91	24.9		11.8	35.4

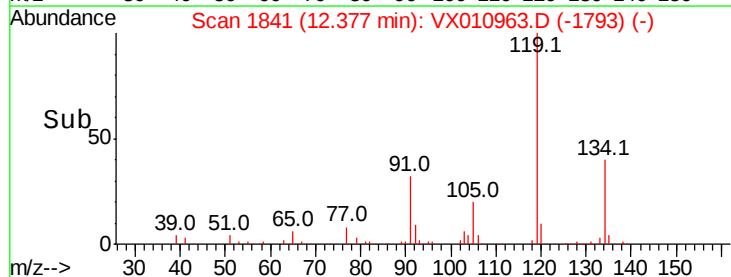
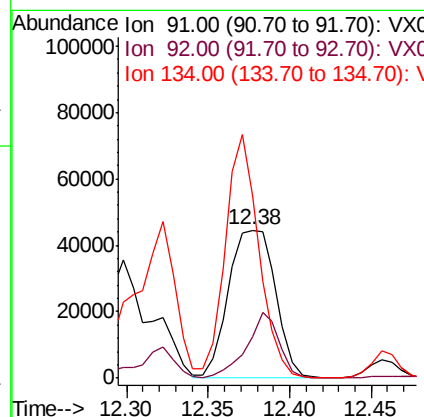
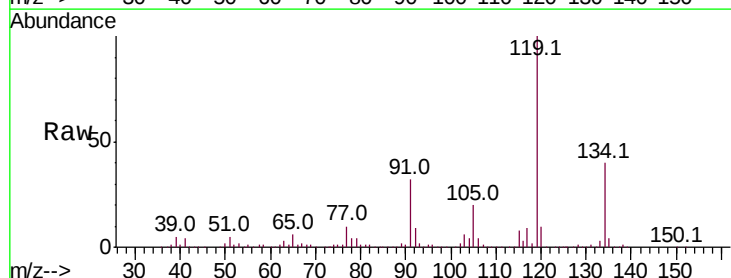
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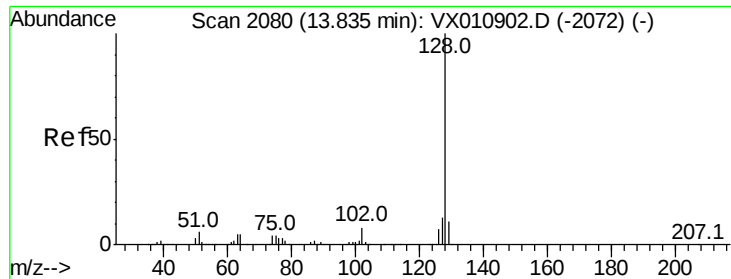
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#89
n-Butylbenzene
Concen: 9.736 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX010963.D
Acq: 18 Jul 2019 16:56

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	88623		
92	31.1		26.2	78.5
134	117.2		13.8	41.3#





#95
Naphthalene
Concen: 66.931 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010963.D
Acq: 18 Jul 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :
FL-0612

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.4	8.9	13.3

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