

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
 Data File : VX010961.D
 Acq On : 18 Jul 2019 16:09
 Operator : JC/SP
 Sample : K3884-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0605

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 12:03:39 PM

Quant Time: Jul 19 02:25:36 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	5.67	168	222447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	352538	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	333606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	181492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	116340	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
35) Dibromofluoromethane	5.50	113	108050	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
50) Toluene-d8	8.71	98	429082	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.13	95	166179	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	

Target Compounds

						Qvalue
16) Acetone	2.44	43	3411m	3.191	ug/l	
31) Cyclohexane	5.59	56	1345796	418.839	ug/l	99
39) Methylcyclohexane	7.46	83	710212	189.124	ug/l	99
40) Benzene	6.15	78	101153	11.403	ug/l	97
52) Toluene	8.79	92	194700	33.412	ug/l	100
67) Ethyl Benzene	10.26	91	5199112	445.781	ug/l	98
68) m/p-Xylenes	10.37	106	5407402	1208.683	ug/l	93
69) o-Xylene	10.70	106	2652920	607.603	ug/l	99
73) Isopropylbenzene	11.02	105	375632	30.630	ug/l	100
78) n-propylbenzene	11.36	91	475812	35.115	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	834300	81.417	ug/l	100
83) tert-Butylbenzene	11.77	119	28165	2.798	ug/l	89
84) 1,2,4-Trimethylbenzene	11.80	105	3236748	313.388	ug/l	99
85) sec-Butylbenzene	11.94	105	34680m	2.940	ug/l	
86) p-Isopropyltoluene	12.06	119	44513	4.082	ug/l	98
89) n-Butylbenzene	12.38	91	69760	7.478	ug/l #	23
95) Naphthalene	13.83	128	1860633	159.806	ug/l	100

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

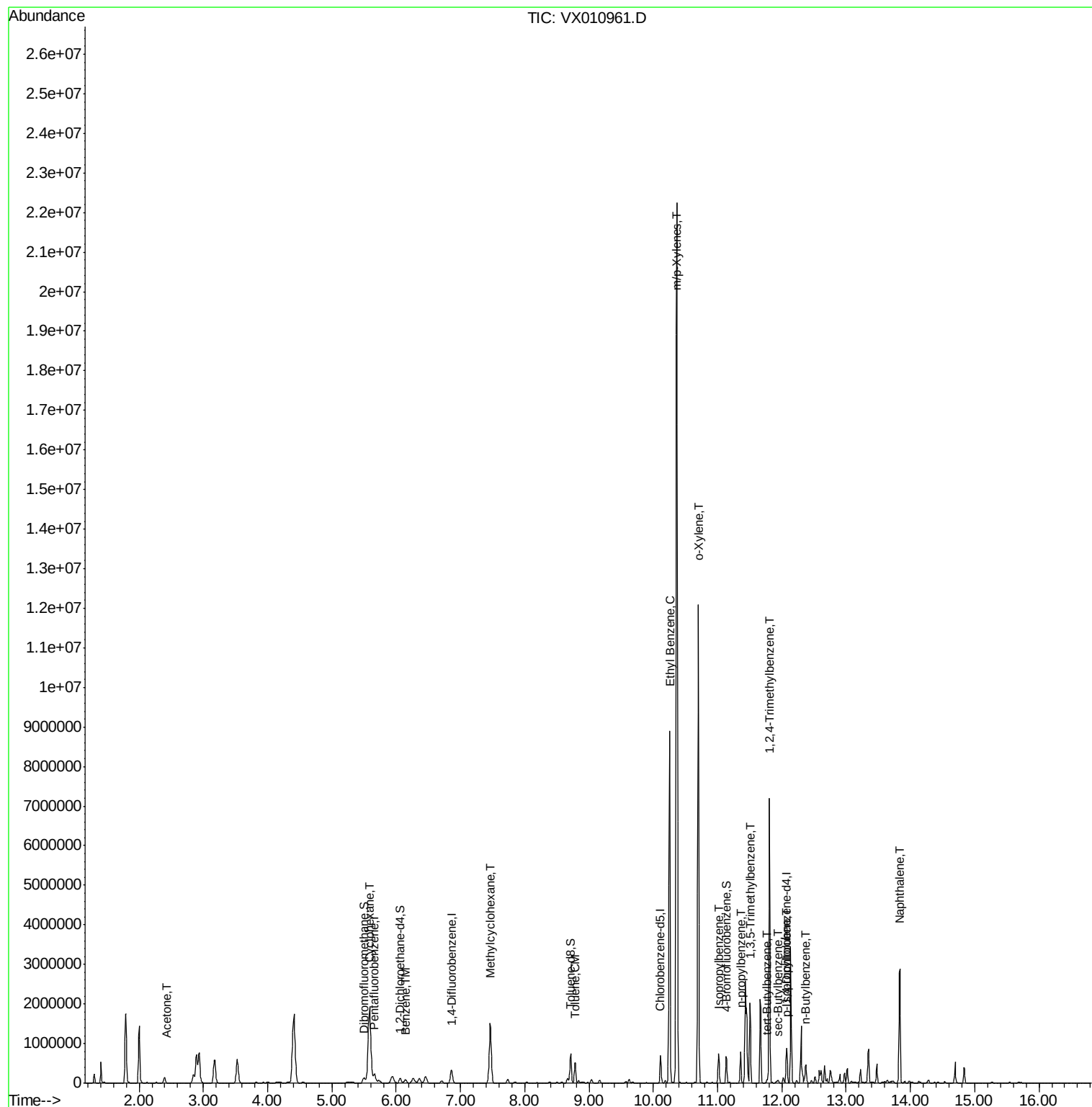
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
Data File : VX010961.D
Acq On : 18 Jul 2019 16:09
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ALS Vial : 16 Sample Multiplier: 1

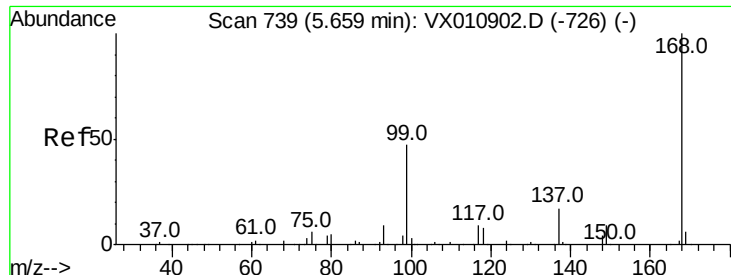
Instrument :
MSVOA_X
ClientSampleId :
FL-0605

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Quant Time: Jul 19 02:25:36 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampled :

FL-0605

Tot Ion:168 Resp: 222447

Ion Ratio Lower Upper

168 100

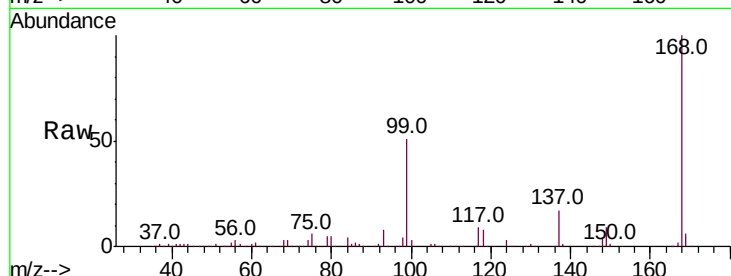
99 50.7 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

40000

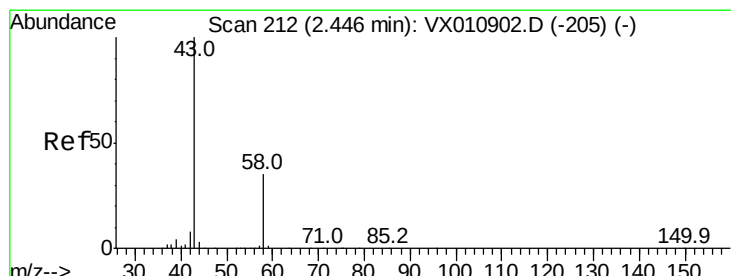
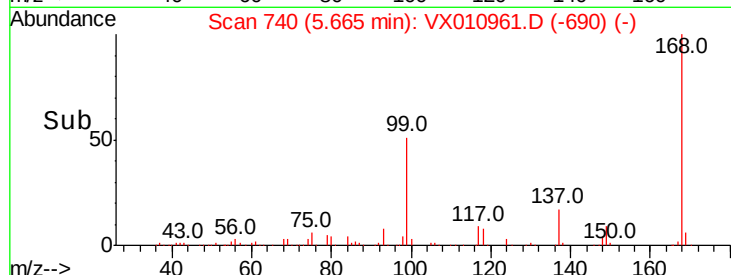
20000

0

5.60

5.70

Time-->



#16

Acetone

Concen: 3.191 ug/l m

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010961.D

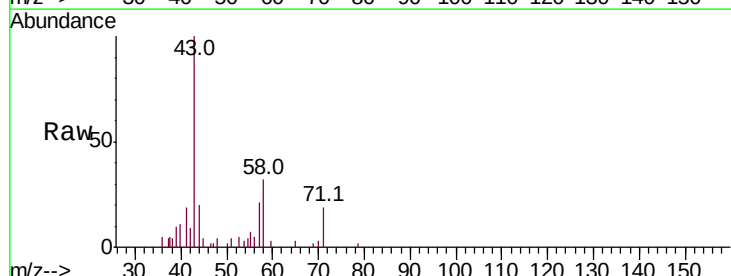
Acq: 18 Jul 2019 16:09

Tgt Ion: 43 Resp: 3411

Ion Ratio Lower Upper

43 100

58 31.6 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

20000

15000

10000

5000

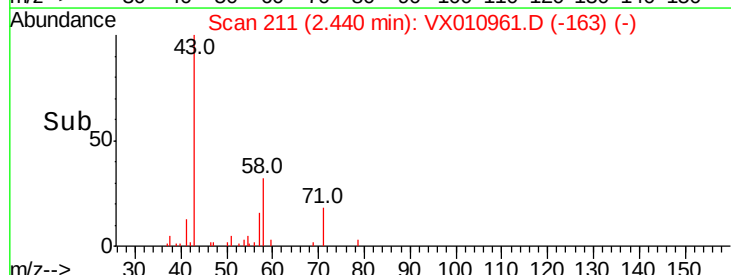
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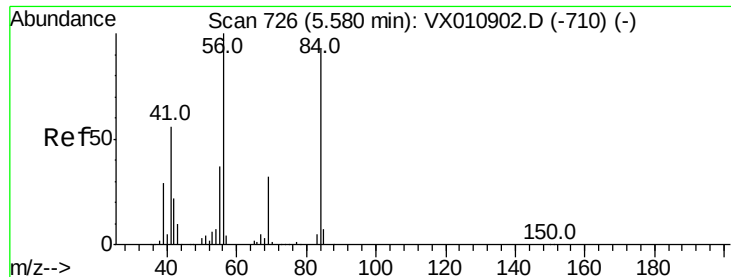
2.44

2.45

2.50

Time-->





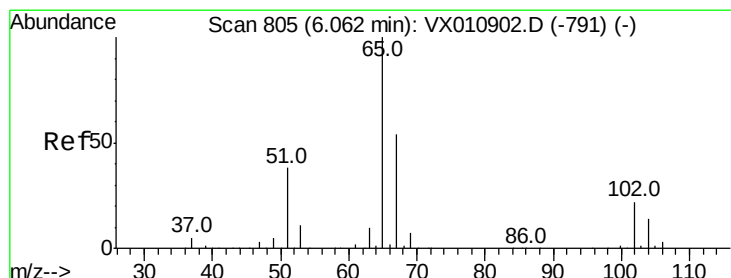
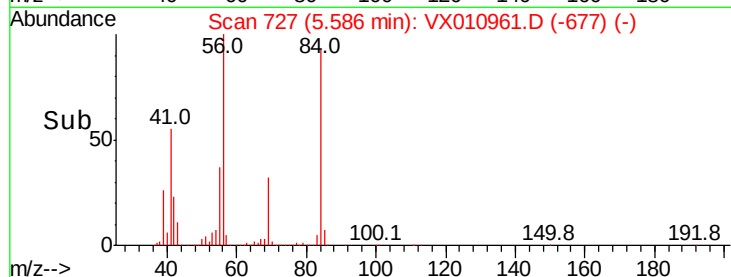
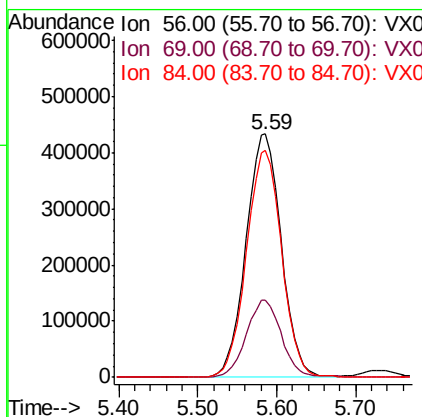
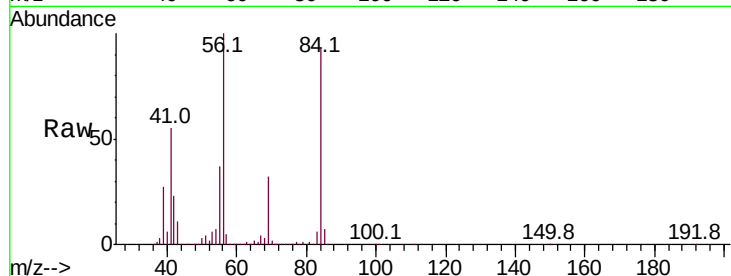
#31
Cyclohexane
Concen: 418.839 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX010961.D
Acq: 18 Jul 2019 16:09

Instrument :
MSVOA_X
ClientSampled :
FL-0605

Tot Ion: 56 Resp: 1345796
Ion Ratio Lower Upper
56 100
69 31.9 25.8 38.8
84 93.2 73.8 110.6

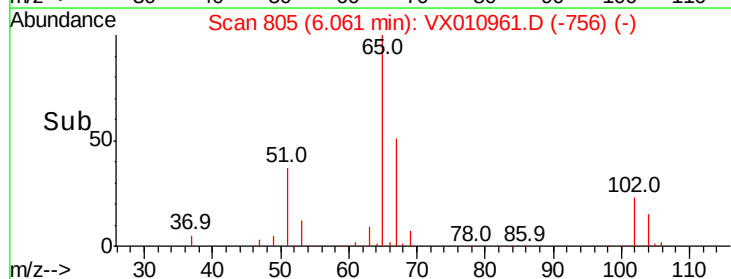
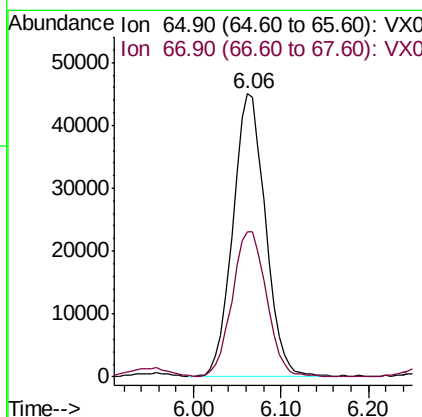
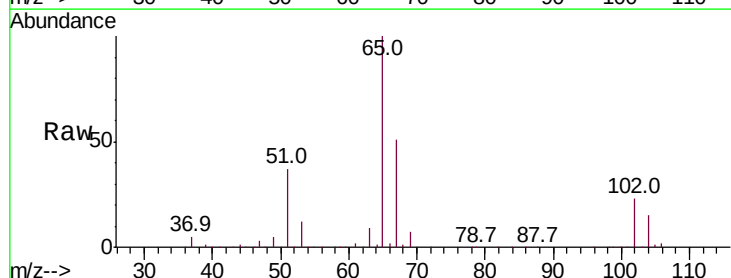
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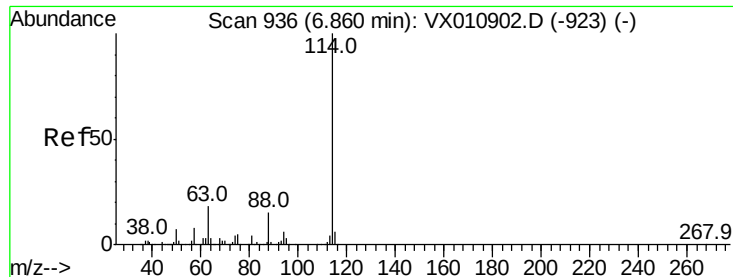
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#33
1,2-Dichloroethane-d4
Concen: 49.161 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX010961.D
Acq: 18 Jul 2019 16:09

Tgt Ion: 65 Resp: 116340
Ion Ratio Lower Upper
65 100
67 53.9 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: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

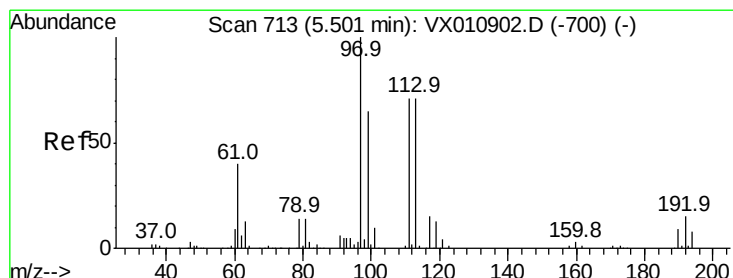
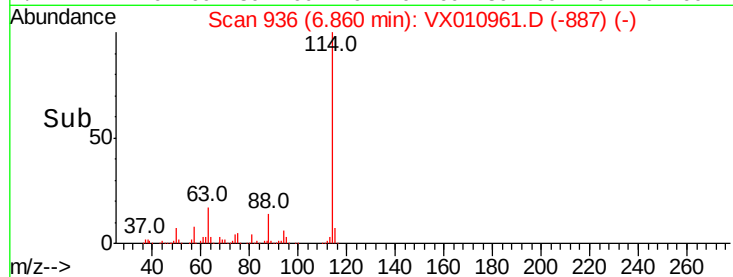
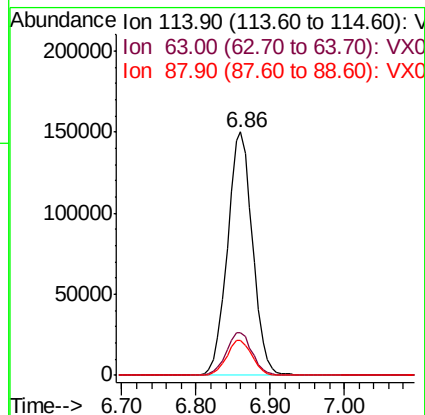
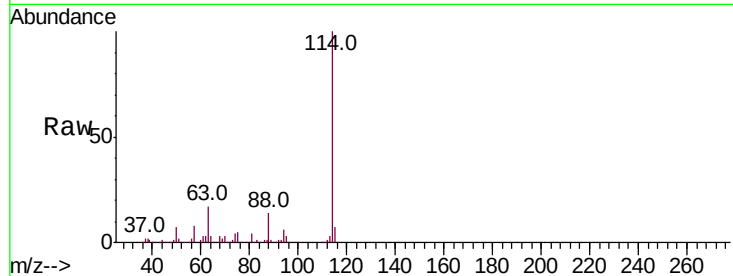
ClientSampleId :

FL-0605

Tot Ion:	114	Resp:	352538
Ion Ratio	Lower	Upper	
114	100		
63	17.5	0.0	35.6
88	14.2	0.0	29.8

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#35

Dibromofluoromethane

Concen: 48.288 ug/l

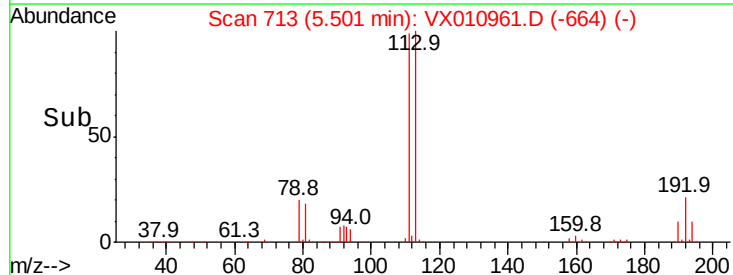
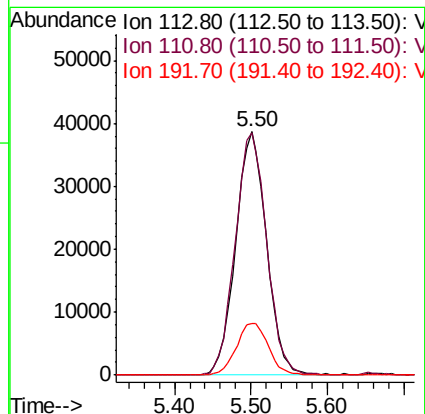
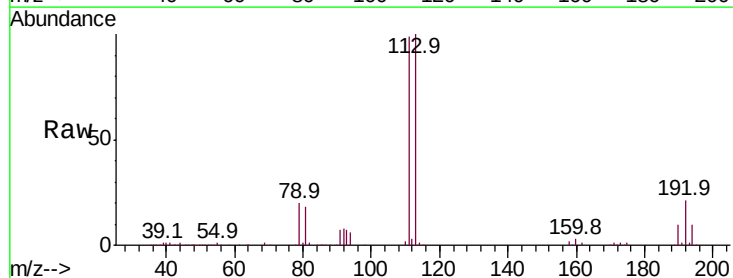
RT: 5.50 min Scan# 713

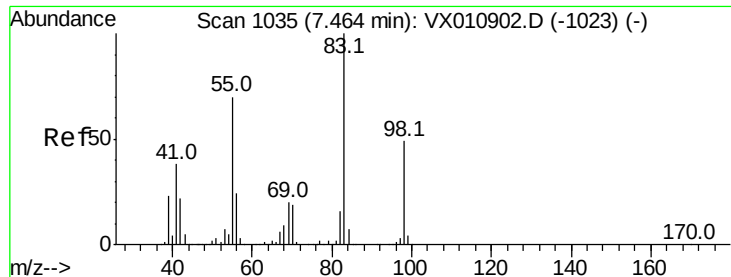
Delta R.T. -0.00 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Tgt Ion:	113	Resp:	108050
Ion Ratio	Lower	Upper	
113	100		
111	101.7	82.3	123.5
192	22.2	17.4	26.2





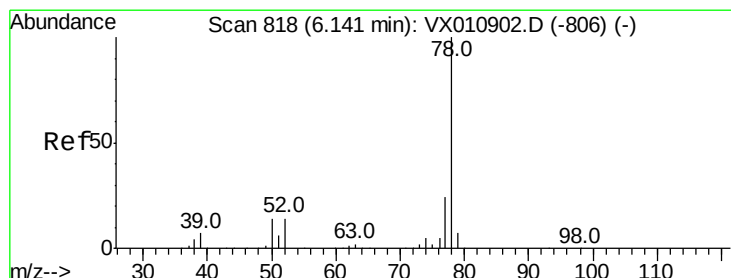
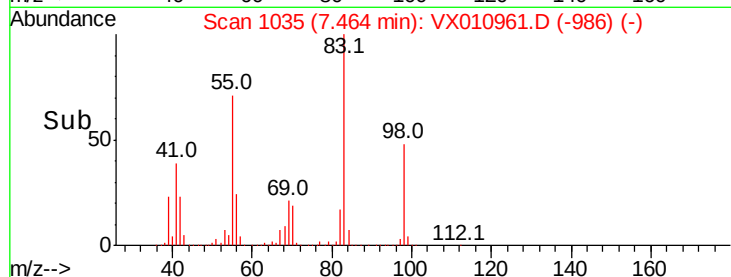
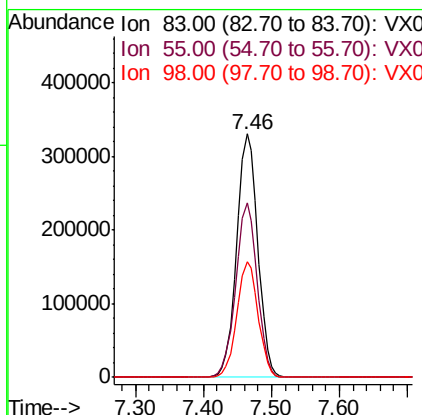
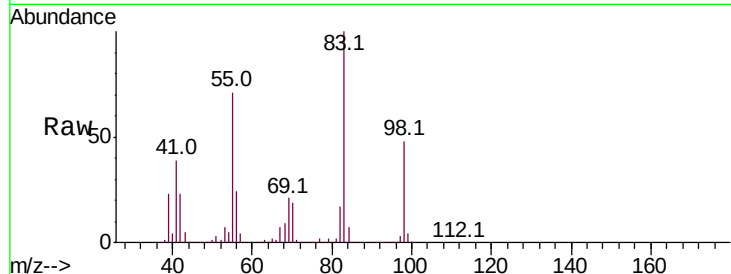
#39
Methylvlcyclohexane
Concen: 189.124 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010961.D
Acq: 18 Jul 2019 16:09

Instrument :
MSVOA_X
ClientSampled :
FL-0605

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.4	56.2	84.4
98	47.7	39.0	58.4

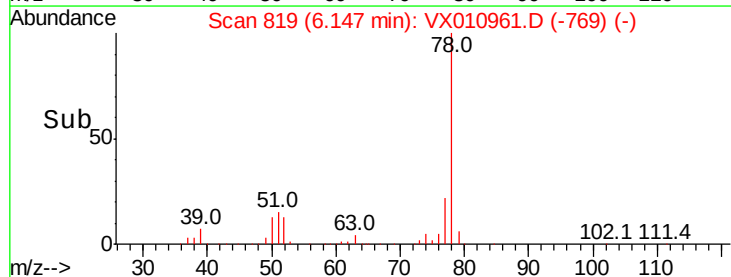
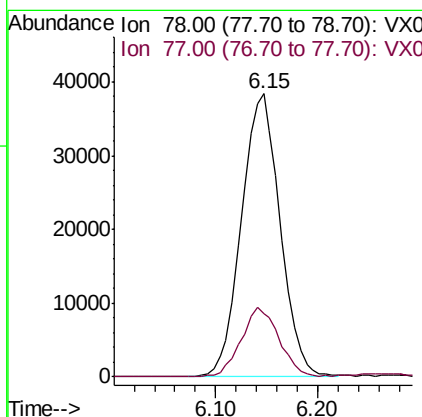
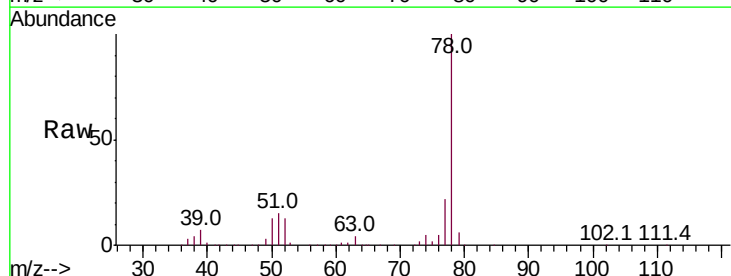
Manual Integrations
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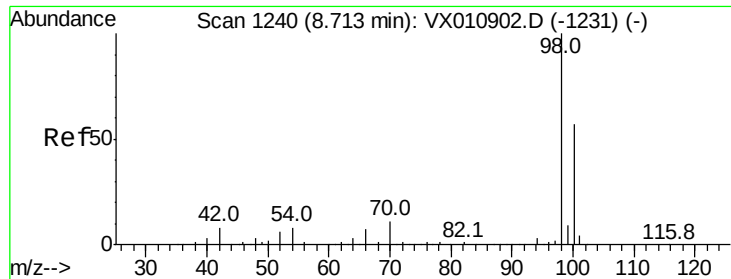
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#40
Benzene
Concen: 11.403 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010961.D
Acq: 18 Jul 2019 16:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.0	28.6





#50

Toluene-d8

Concen: 51.127 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

FL-0605

Tot Ion: 98 Resp: 429082

Ion Ratio Lower Upper

98 100

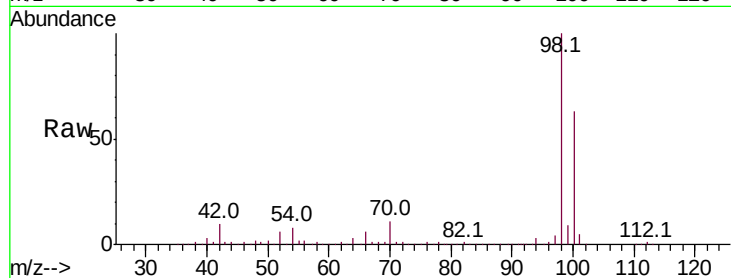
100 63.8 50.6 75.8

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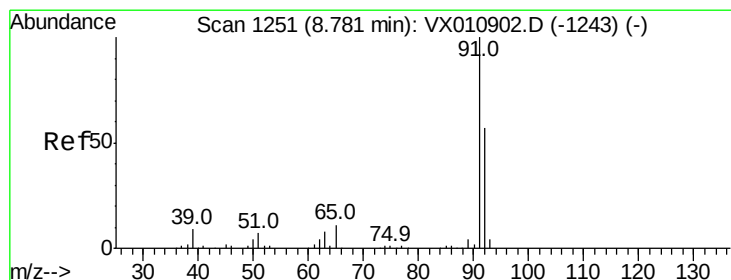
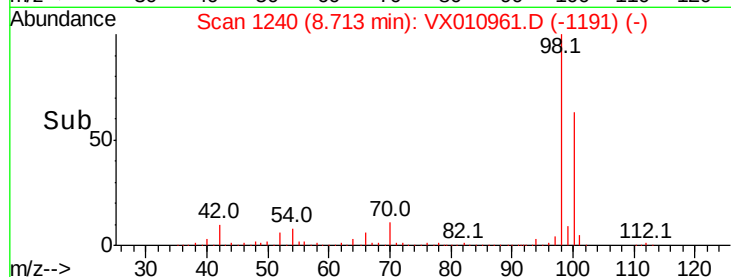
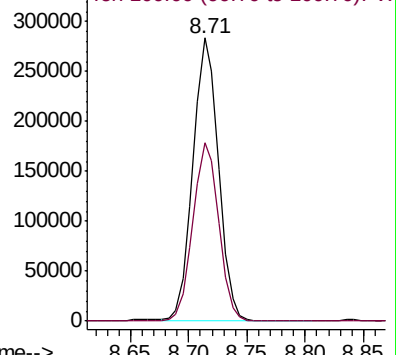
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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#52

Toluene

Concen: 33.412 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010961.D

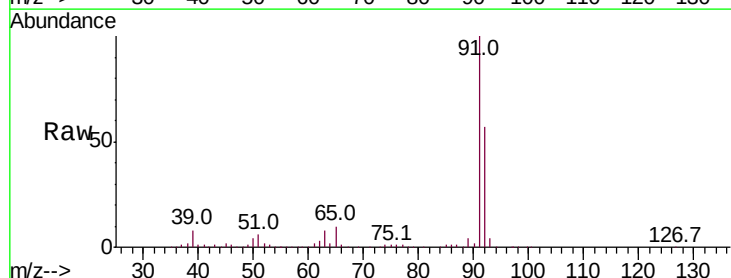
Acq: 18 Jul 2019 16:09

Tgt Ion: 92 Resp: 194700

Ion Ratio Lower Upper

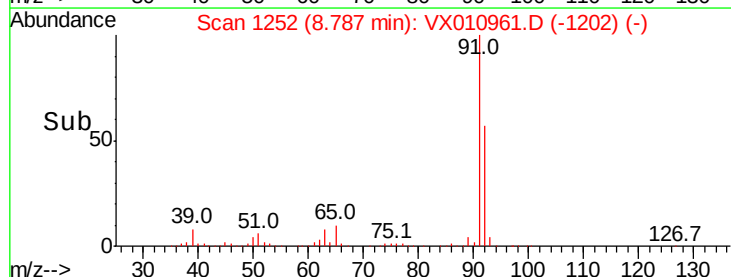
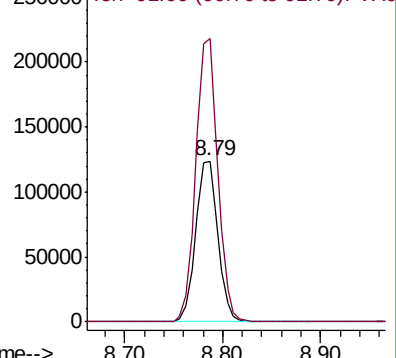
92 100

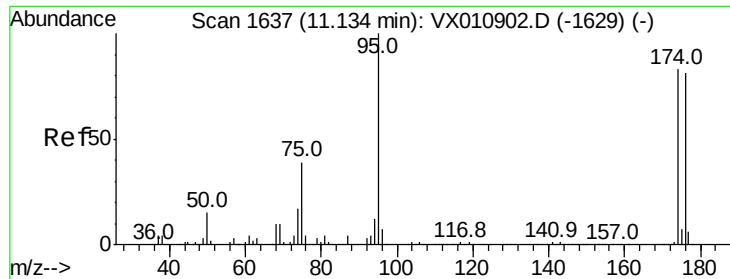
91 174.9 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





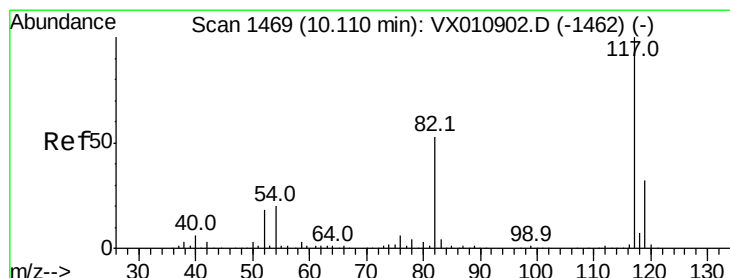
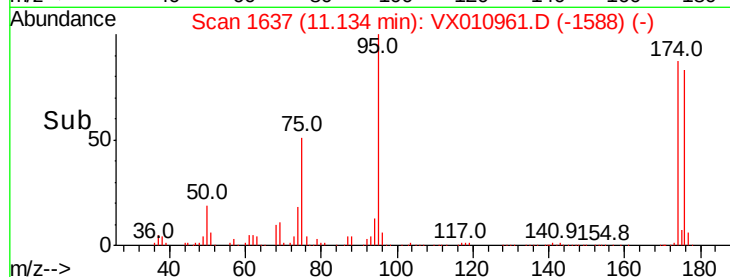
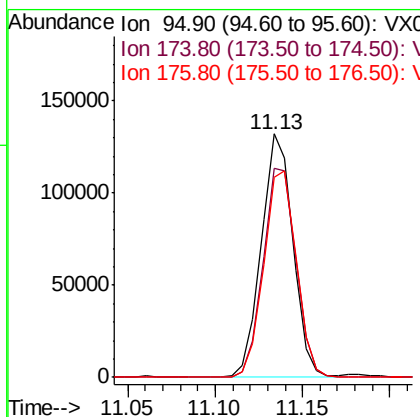
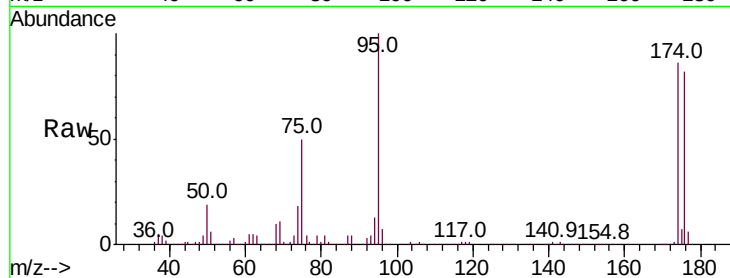
#62
4-Bromofluorobenzene
Concen: 53.869 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010961.D
Acq: 18 Jul 2019 16:09

Instrument :
MSVOA_X
ClientSampleId :
FL-0605

Tot Ion	Ratio	Resp	Lower	Upper
95	100	166179		
174	89.8	0.0	180.6	
176	87.5	0.0	173.8	

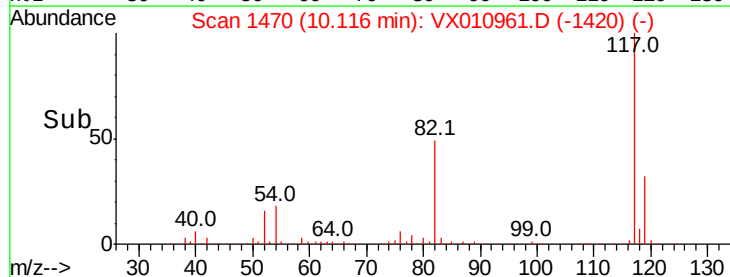
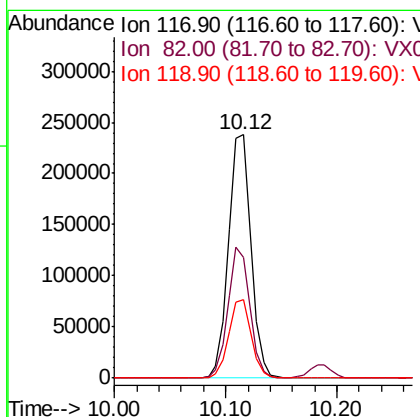
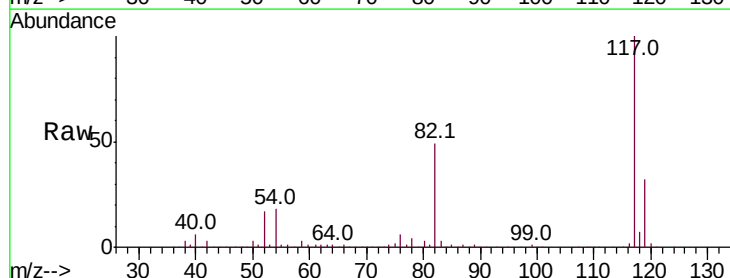
Manual Integrations
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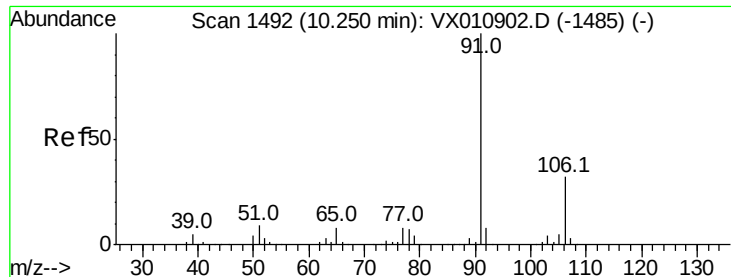
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX010961.D
Acq: 18 Jul 2019 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	333606		
82	49.3	42.6	63.8	
119	32.4	25.9	38.9	





#67

Ethyl Benzene

Concen: 445.781 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

FL-0605

Tot Ion: 91 Resp: 5199112

Ion Ratio Lower Upper

91 100

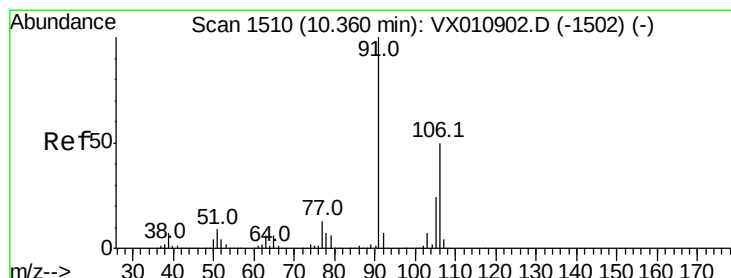
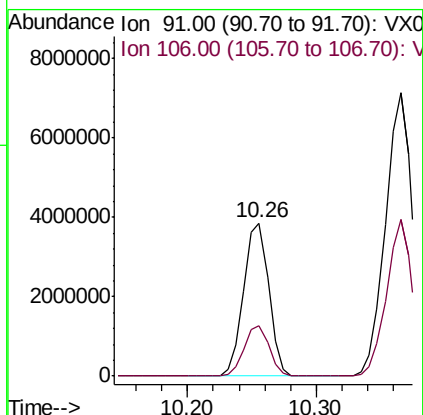
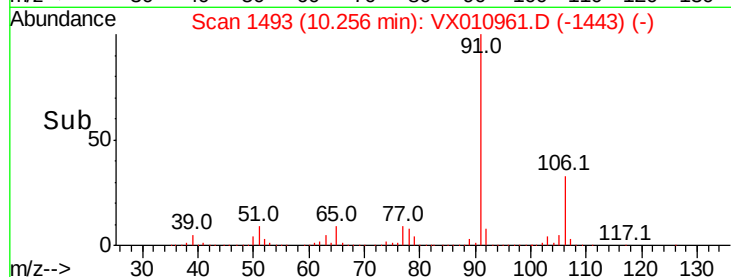
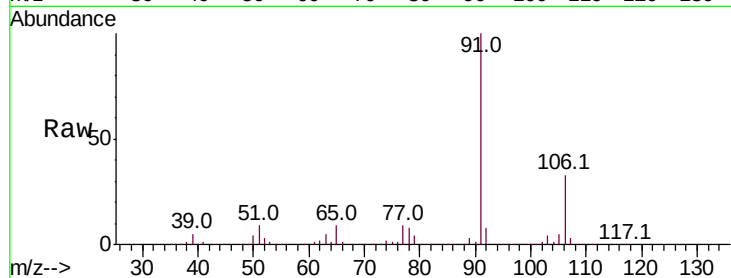
106 33.0 25.4 38.2

Manual Integrations

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7/22/2019 12:03:39 PM



#68

m/p-Xylenes

Concen: 1208.683 ug/l

RT: 10.37 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VX010961.D

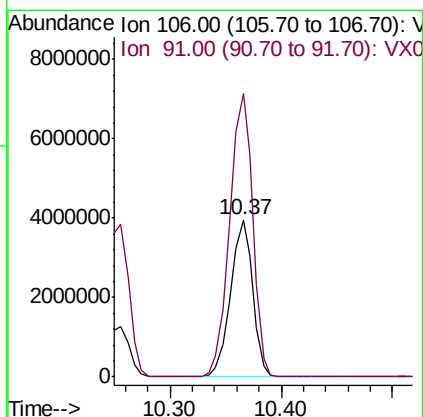
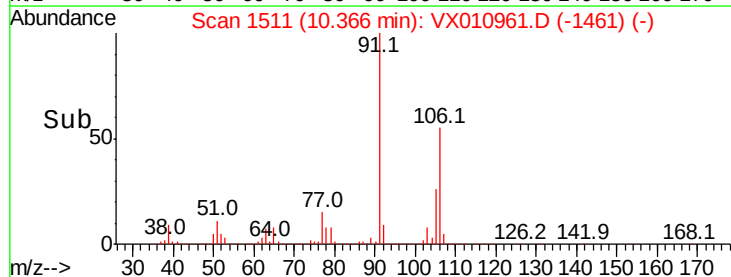
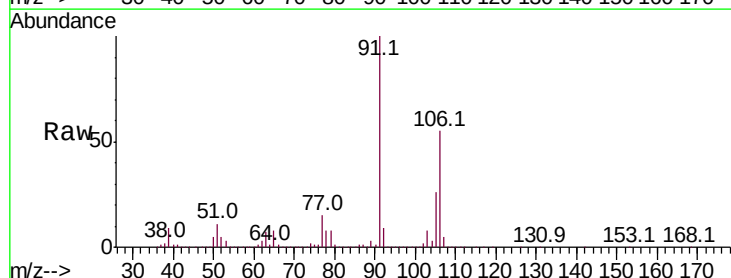
Acq: 18 Jul 2019 16:09

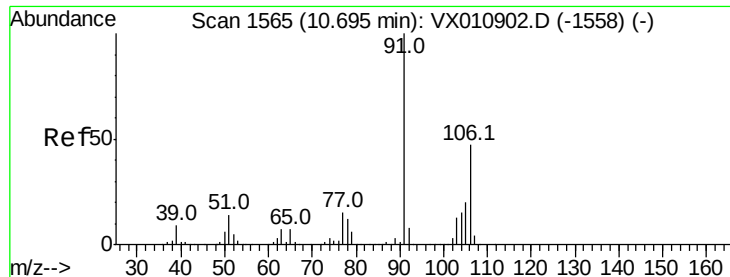
Tgt Ion: 106 Resp: 5407402

Ion Ratio Lower Upper

106 100

91 189.4 160.1 240.1





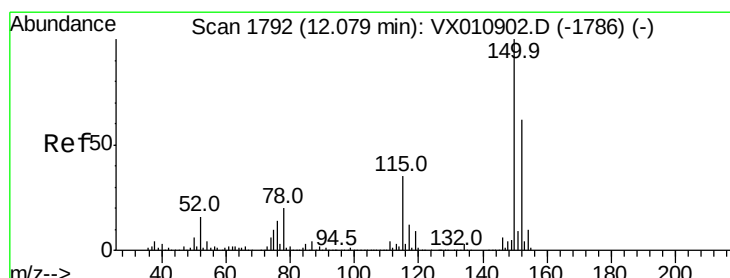
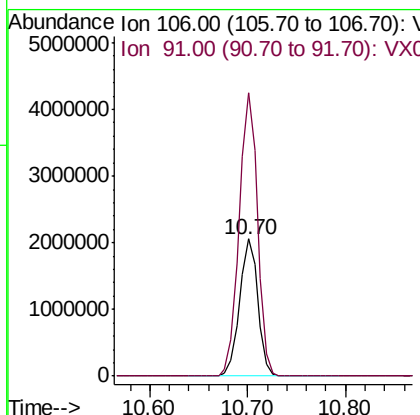
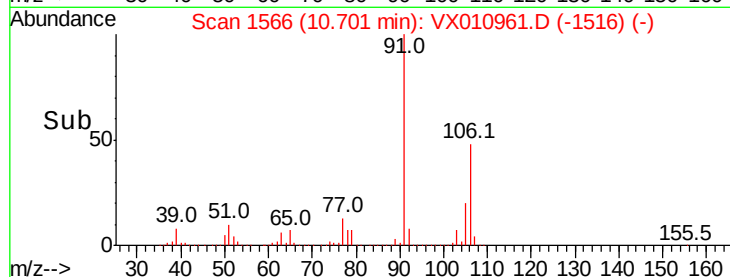
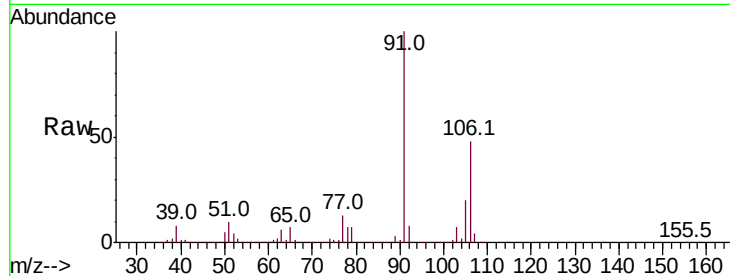
#69
o-Xylene
Concen: 607.603 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010961.D
Acq: 18 Jul 2019 16:09

Instrument :
MSVOA_X
ClientSampled :
FL-0605

Tot Ion:106 Resp: 2652920
Ion Ratio Lower Upper
106 100
91 208.9 105.1 315.3

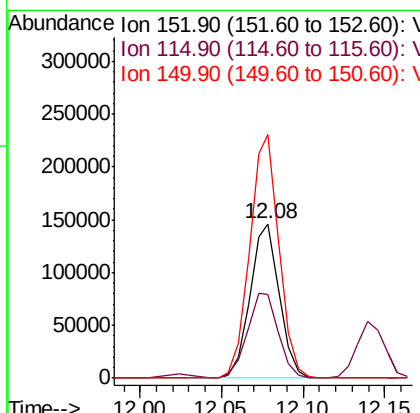
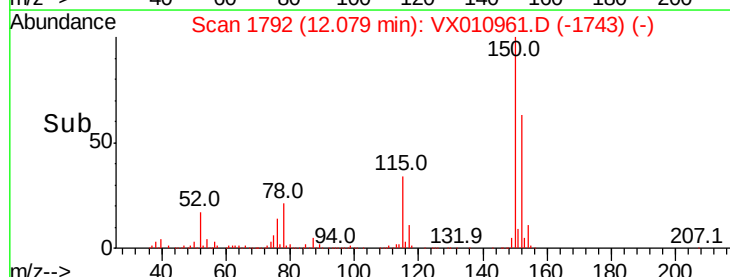
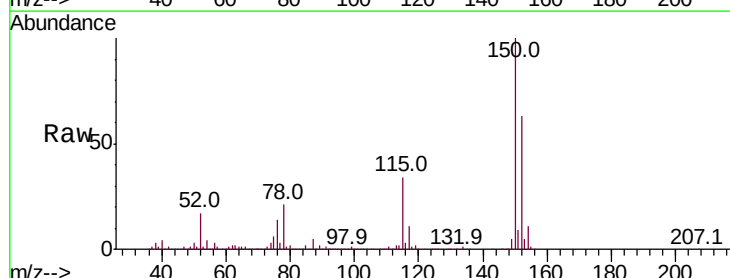
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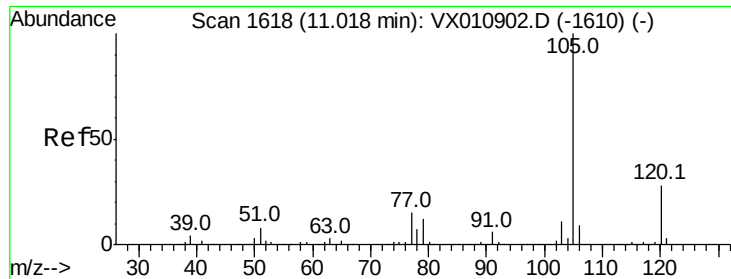
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010961.D
Acq: 18 Jul 2019 16:09

Tgt Ion:152 Resp: 181492
Ion Ratio Lower Upper
152 100
115 58.5 39.7 119.1
150 158.0 0.0 345.6





#73

Isopropylbenzene

Concen: 30.630 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

FL-0605

Tot Ion:105 Resp: 375632

Ion Ratio Lower Upper

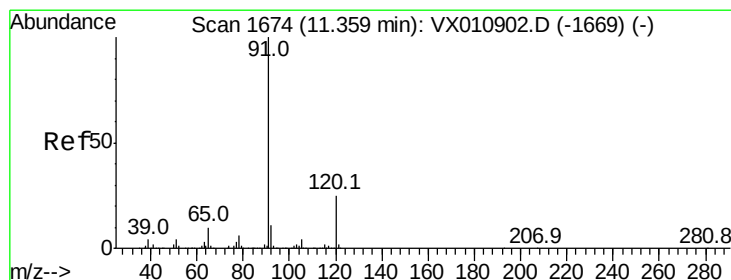
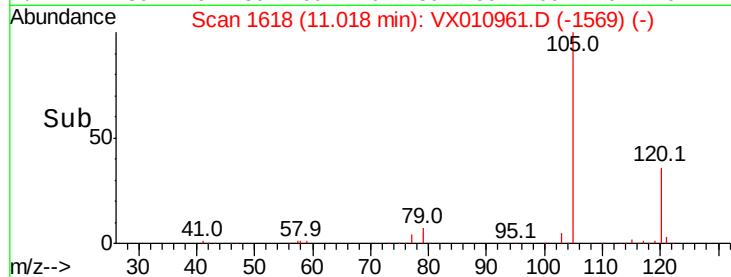
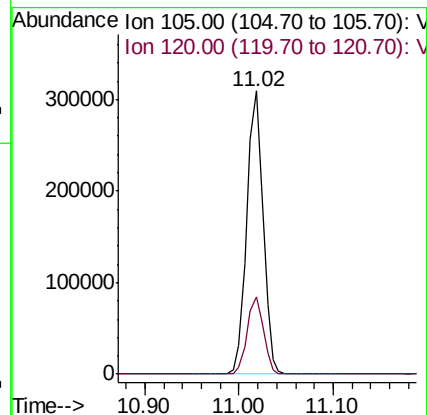
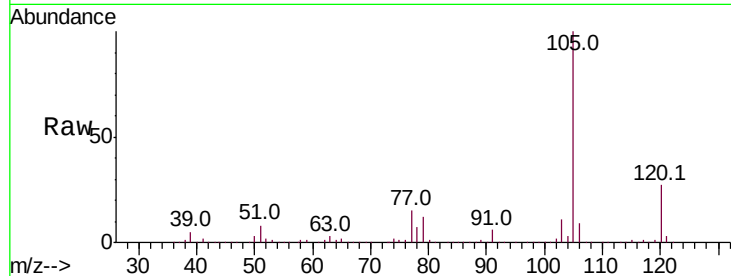
105 100

120 27.2 13.7 41.1

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#78

n-propylbenzene

Concen: 35.115 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010961.D

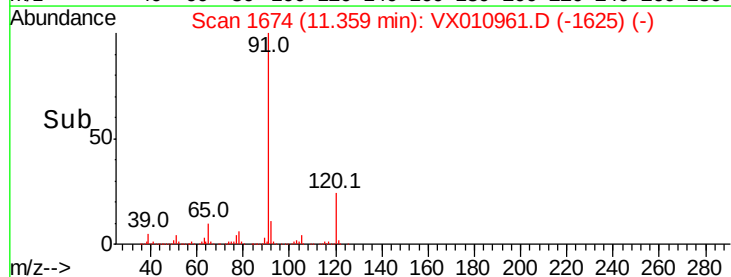
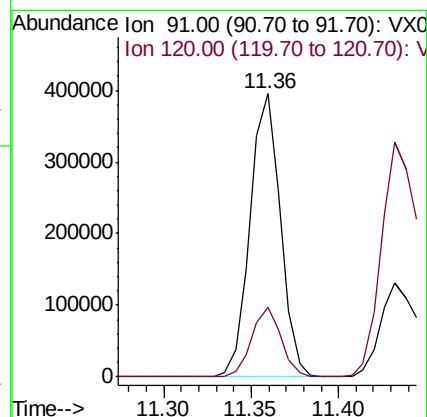
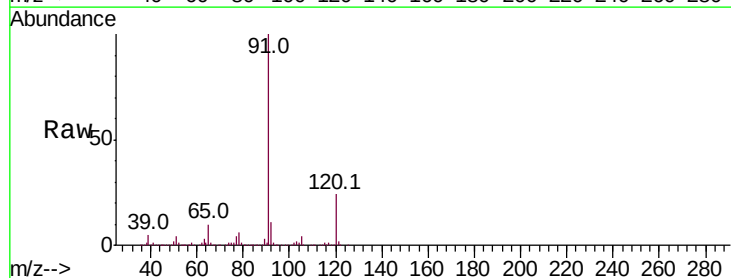
Acq: 18 Jul 2019 16:09

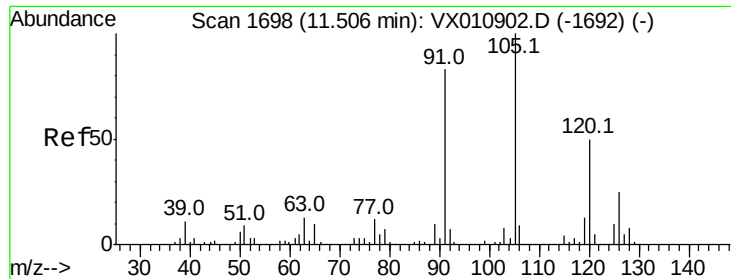
Tgt Ion: 91 Resp: 475812

Ion Ratio Lower Upper

91 100

120 23.9 12.3 36.8





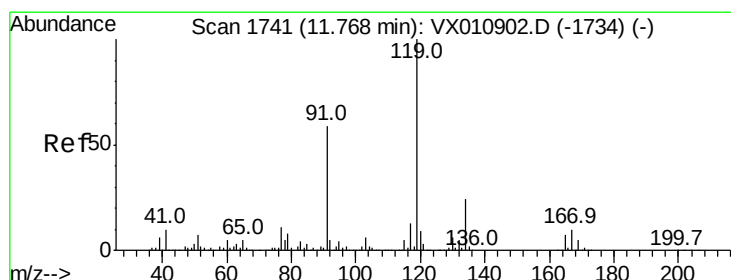
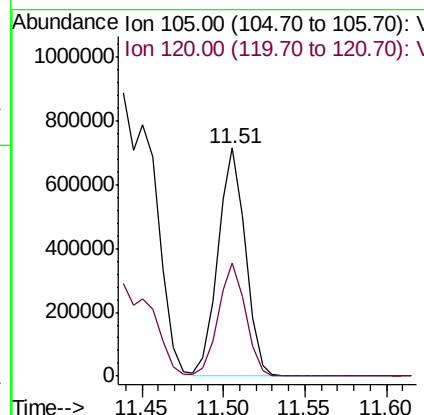
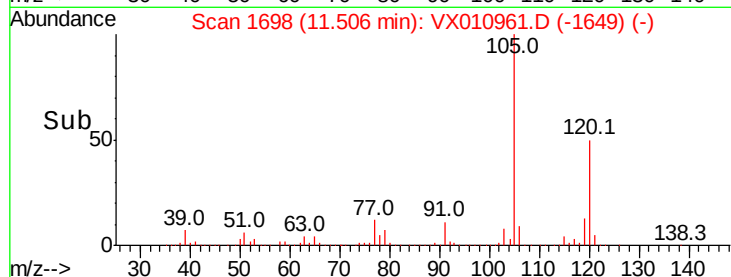
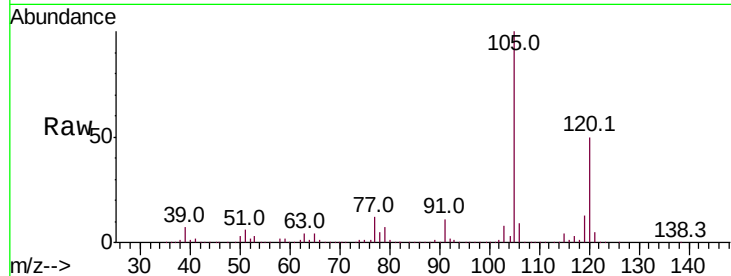
#80
1,3,5-Trimethylbenzene
Concen: 81.417 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010961.D
Acq: 18 Jul 2019 16:09

Instrument :
MSVOA_X
ClientSampled :
FL-0605

Tot Ion:105 Resp: 834300
Ion Ratio Lower Upper
105 100
120 49.2 24.6 73.8

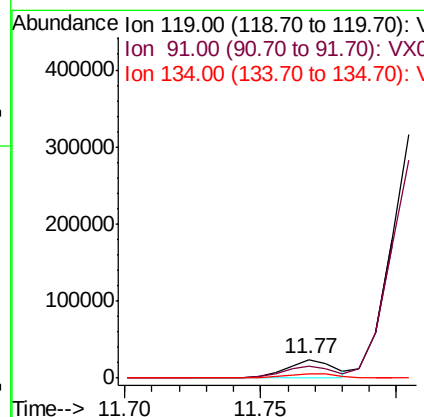
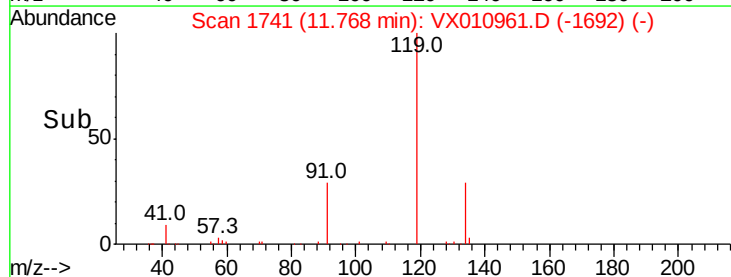
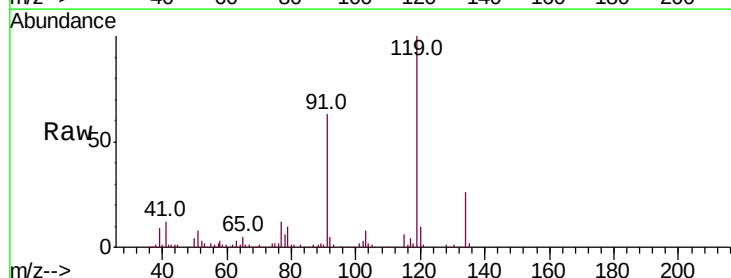
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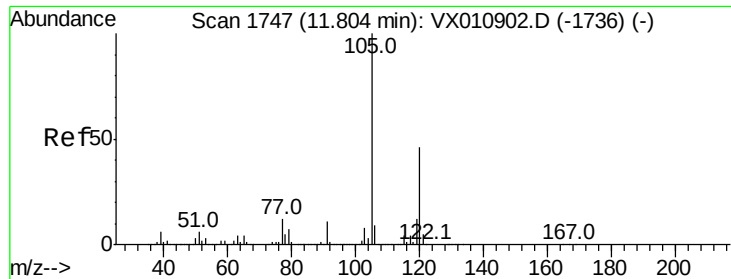
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#83
tert-Butylbenzene
Concen: 2.798 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010961.D
Acq: 18 Jul 2019 16:09

Tgt Ion:119 Resp: 28165
Ion Ratio Lower Upper
119 100
91 67.0 28.6 85.8
134 26.7 11.6 34.8





#84

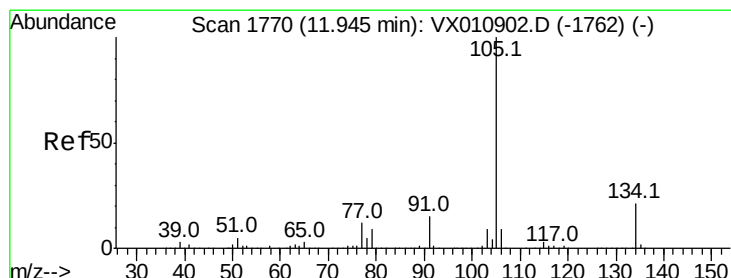
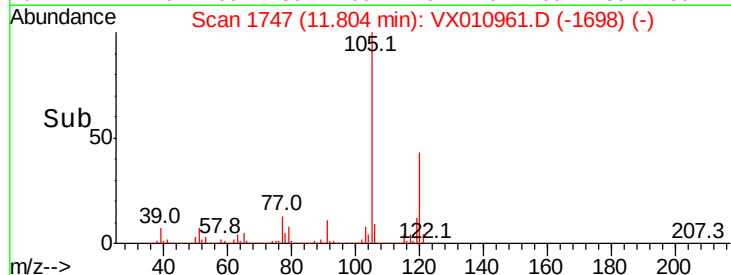
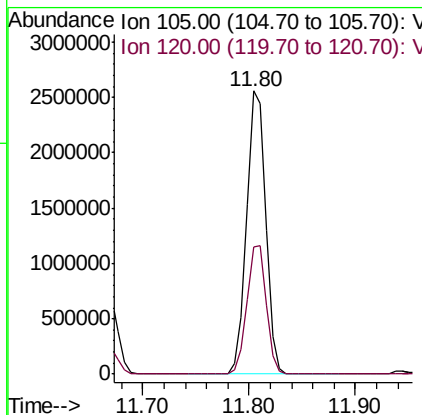
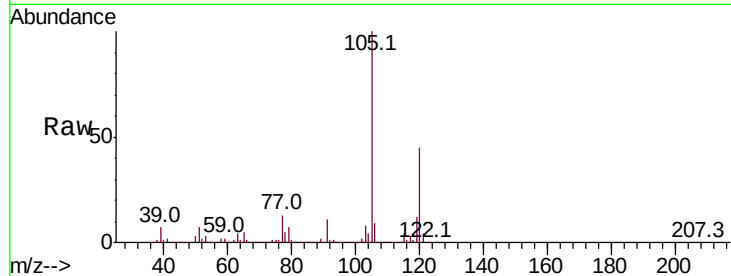
1,2,4-Trimethylbenzene
Concen: 313.388 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010961.D
Acq: 18 Jul 2019 16:09

Instrument :
MSVOA_X
ClientSampled :
FL-0605

Tot Ion:105 Resp: 3236748
Ion Ratio Lower Upper
105 100
120 46.0 22.9 68.5

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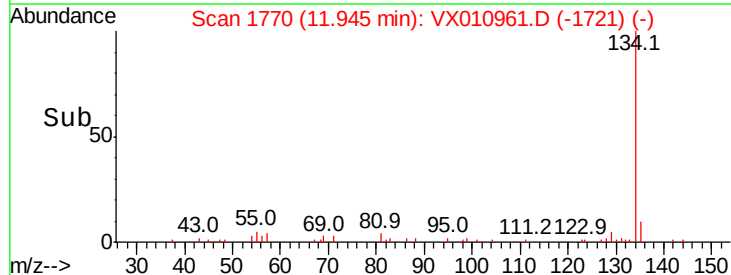
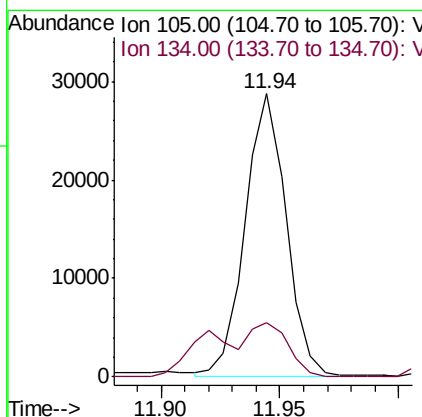
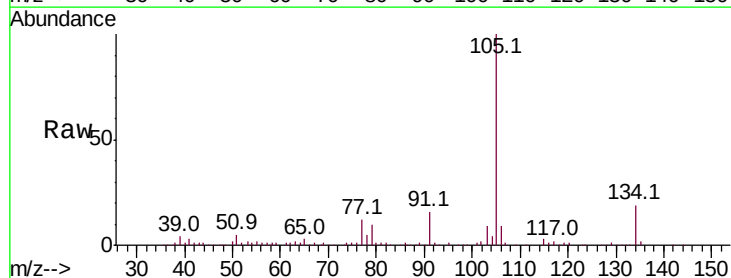
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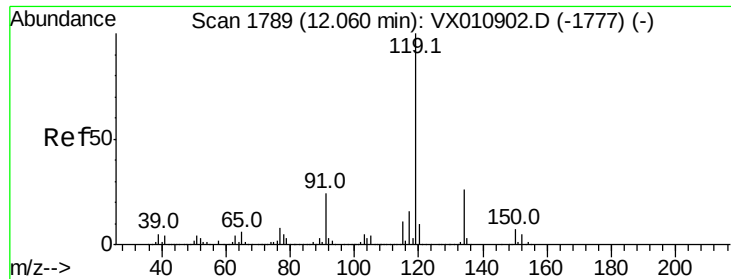


#85

sec-Butylbenzene
Concen: 2.940 ug/l m
RT: 11.94 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VX010961.D
Acq: 18 Jul 2019 16:09

Tgt Ion:105 Resp: 34680
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.4#





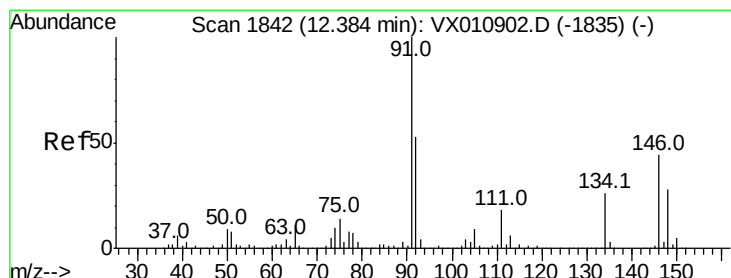
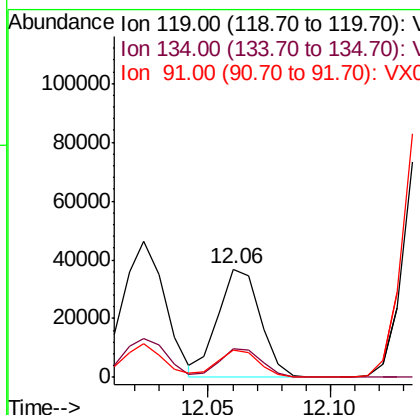
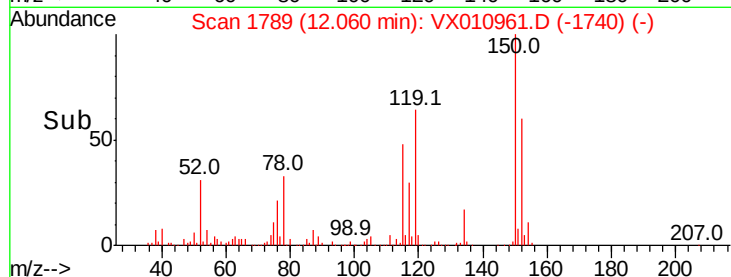
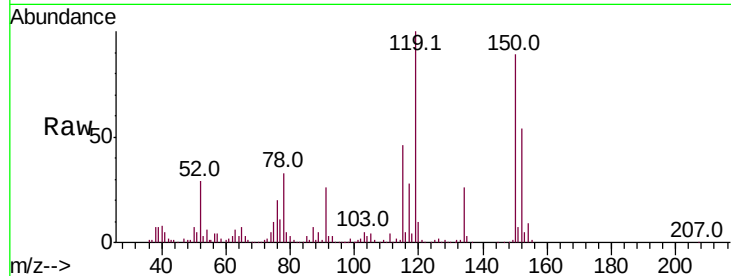
#86
p-Isopropyltoluene
Concen: 4.082 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX010961.D
Acq: 18 Jul 2019 16:09

Instrument :
MSVOA_X
ClientSampled :
FL-0605

Tot Ion	Ratio	Resp	Lower	Upper
119	100	44513		
134	26.5		13.4	40.1
91	25.0		11.8	35.4

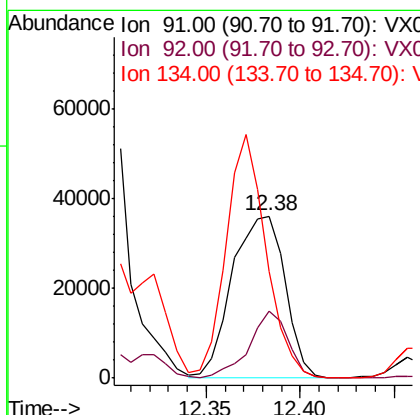
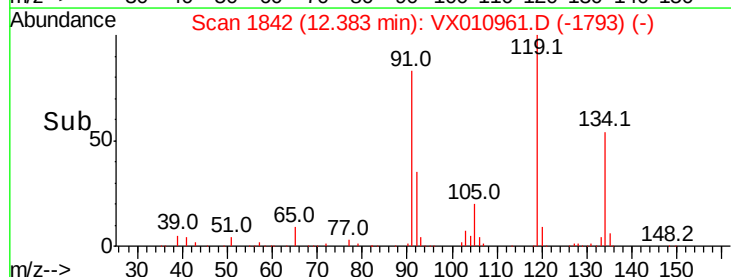
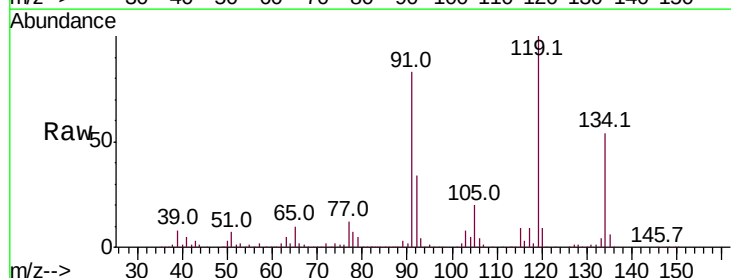
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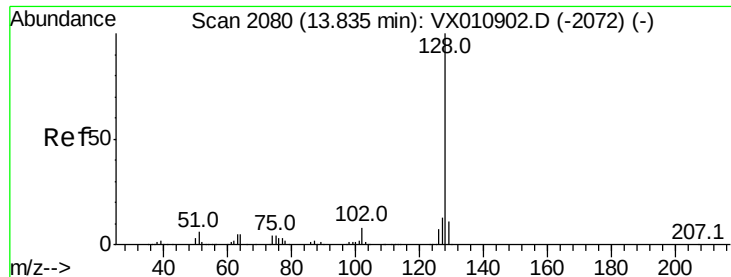
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#89
n-Butylbenzene
Concen: 7.478 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010961.D
Acq: 18 Jul 2019 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	69760		
92	30.3		26.2	78.5
134	113.9		13.8	41.3#





#95
Naphthalene
Concen: 159.806 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010961.D
Acq: 18 Jul 2019 16:09

Instrument :
MSVOA_X
ClientSampleId :
FL-0605

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.1	8.9	13.3

Manual Integrations
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