

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072618\
 Data File : VX003699.D
 Acq On : 27 Jul 2018 05:33
 Operator : JC/SP
 Sample : J4154-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0510

Manual Integrations
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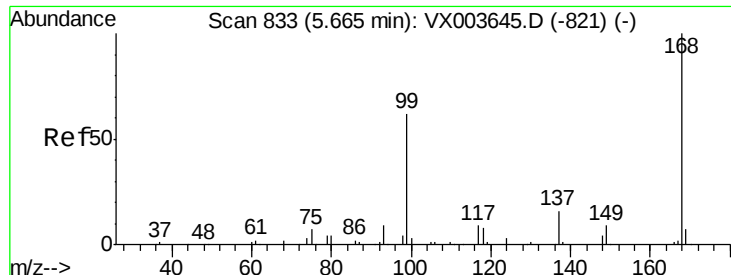
Quant Time: Jul 27 07:26:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	94081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	159034	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	135168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	95357	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	77237	55.42	ug/l	0.00
Spiked Amount			Recovery	=	110.84%	
35) Dibromofluoromethane	5.51	113	61203	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
50) Toluene-d8	8.72	98	260061	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	
62) 4-Bromofluorobenzene	11.14	95	95309	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	3123	4.77	ug/l	100
31) Cyclohexane	5.58	56	138087	73.69	ug/l	96
39) Methylcyclohexane	7.46	83	80010	39.10	ug/l	96
52) Toluene	8.79	92	34523	10.10	ug/l	97
67) Ethyl Benzene	10.26	91	2437000	427.98	ug/l	99
68) m/p-Xylenes	10.37	106	2012213	921.15	ug/l	97
69) o-Xylene	10.70	106	1317672	626.58	ug/l	99
73) Isopropylbenzene	11.02	105	346537	53.19	ug/l	99
78) n-propylbenzene	11.36	91	571506	75.97	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	960027	174.17	ug/l	100
83) tert-Butylbenzene	11.77	119	6375m	1.18	ug/l	
84) 1,2,4-Trimethylbenzene	11.81	105	3702138	653.51	ug/l	97
85) sec-Butylbenzene	11.95	105	43927m	6.82	ug/l	
86) p-Isopropyltoluene	12.03	119	97894	16.94	ug/l	98
89) n-Butylbenzene	12.38	91	52373	10.06	ug/l #	13
95) Naphthalene	13.83	128	1005097	138.32	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

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Acq: 27 Jul 2018 05:33

Instrument :

MSVOA_X

ClientSampleId :

FL-0510

Tot Ion:168 Resp: 94081

Ion Ratio Lower Upper

168 100

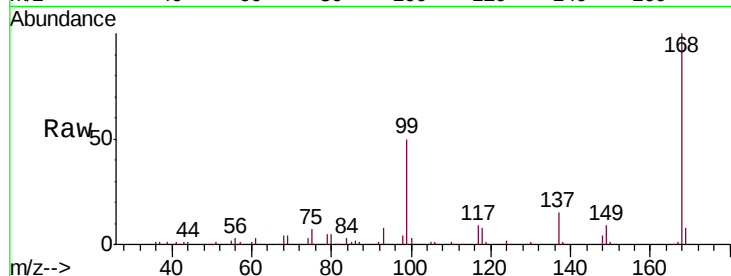
99 49.9 49.5 74.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

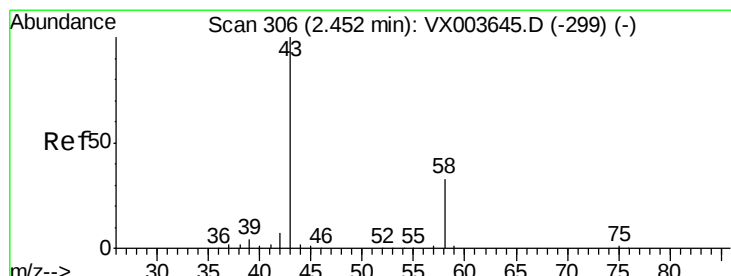
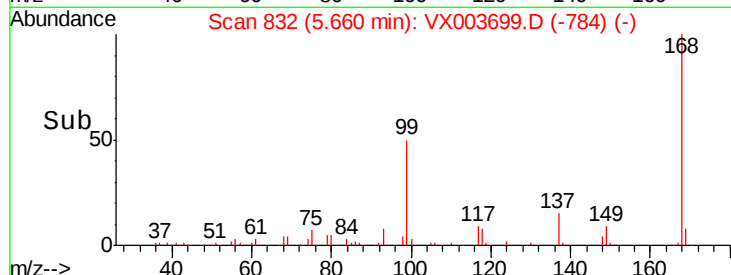
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 4.77 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003699.D

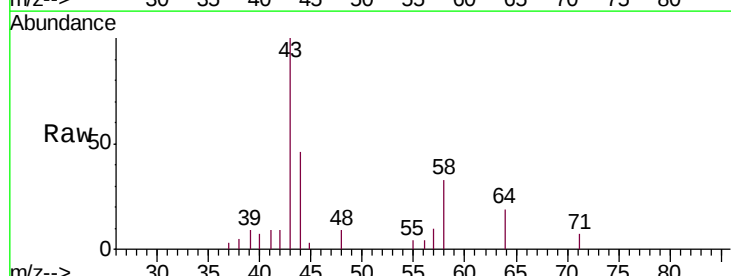
Acq: 27 Jul 2018 05:33

Tgt Ion: 43 Resp: 3123

Ion Ratio Lower Upper

43 100

58 32.7 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

20000

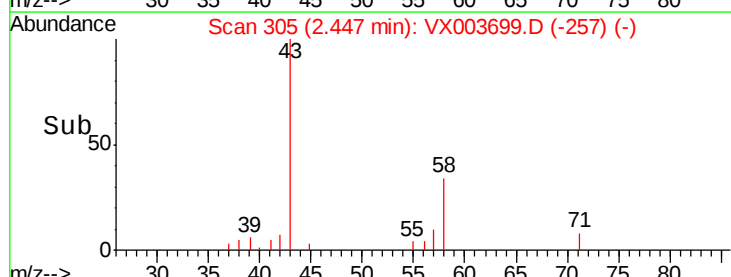
15000

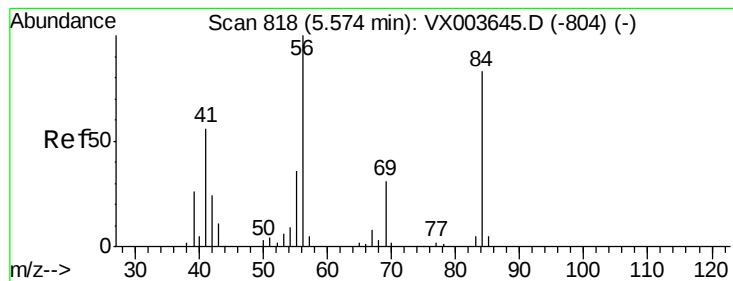
10000

5000

0

Time--> 2.40 2.45 2.50





#31

Cyclohexane

Concen: 73.69 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003699.D

Acq: 27 Jul 2018 05:33

Instrument :

MSVOA_X

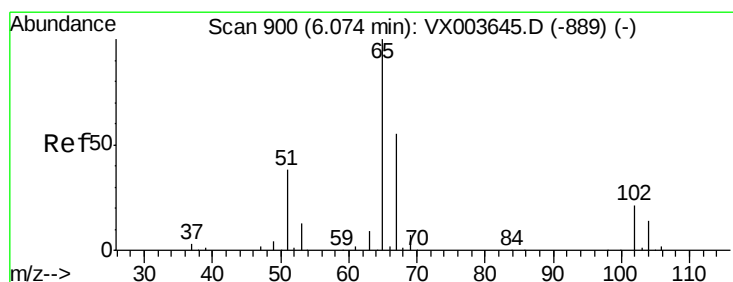
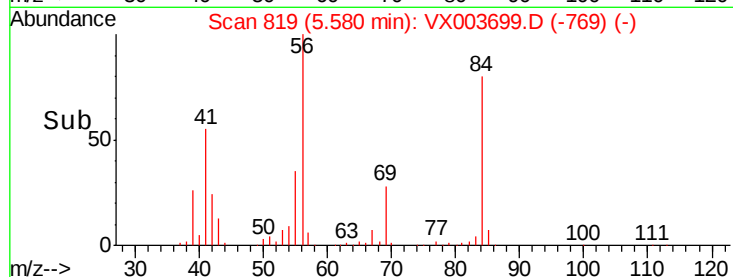
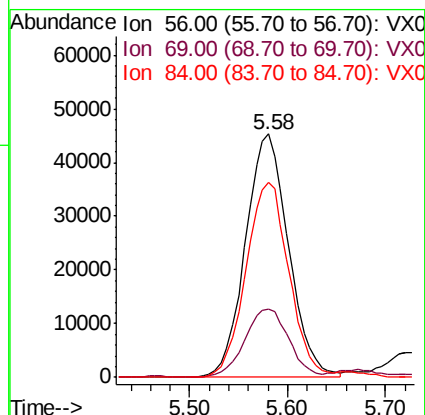
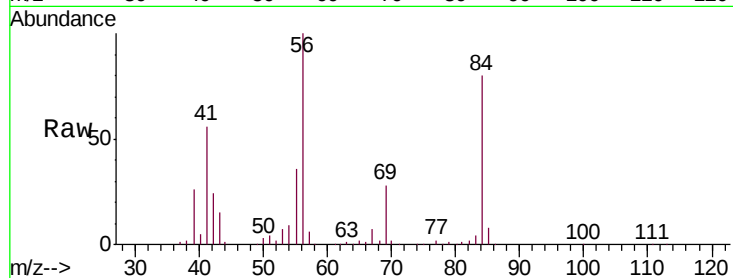
ClientSampled :

FL-0510

Tot Ion:	56	Resp:	138087
Ion Ratio	Lower	Upper	
56	100		
69	27.8	25.0	37.6
84	80.0	66.5	99.7

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#33

1,2-Dichloroethane-d4

Concen: 55.42 ug/l

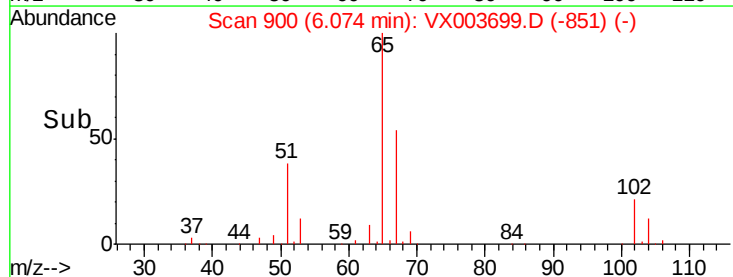
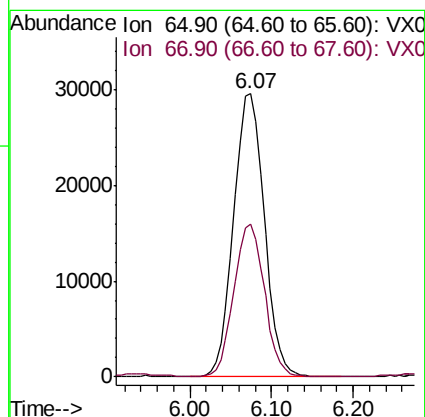
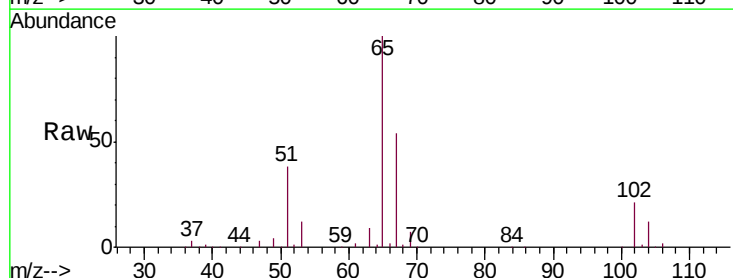
RT: 6.07 min Scan# 900

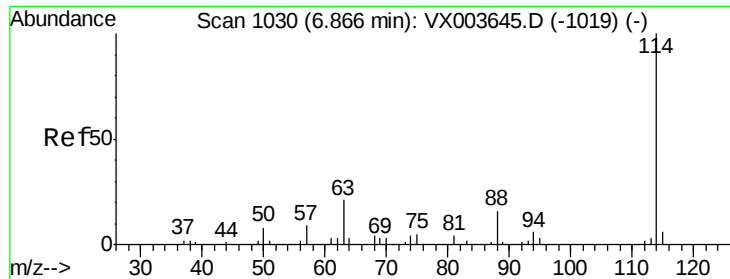
Delta R.T. 0.00 min

Lab File: VX003699.D

Acq: 27 Jul 2018 05:33

Tgt Ion:	65	Resp:	77237
Ion Ratio	Lower	Upper	
65	100		
67	53.6	0.0	107.8





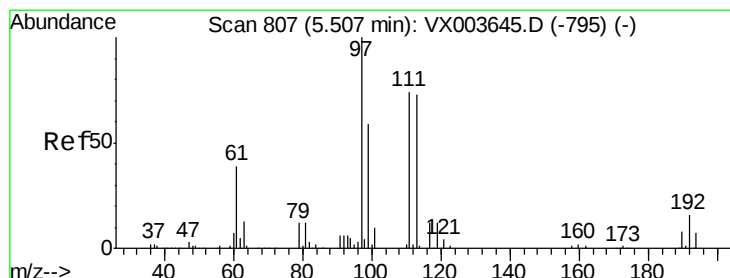
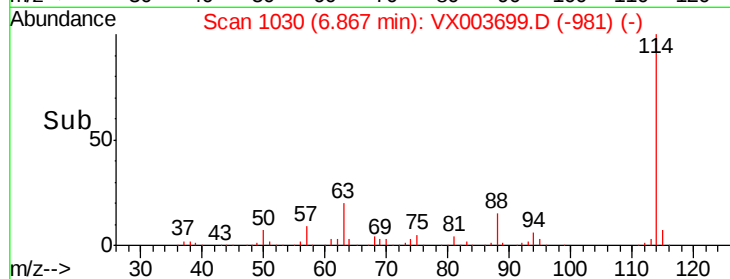
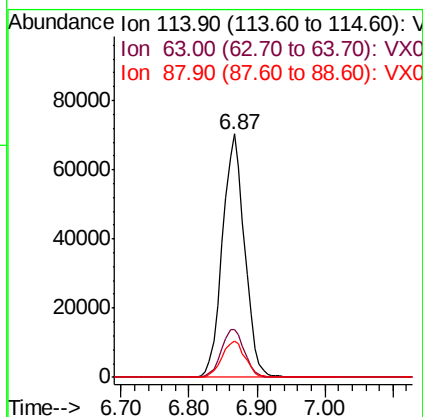
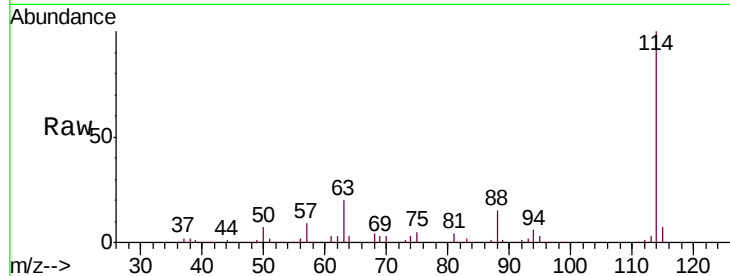
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003699.D
 Acq: 27 Jul 2018 05:33

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0510

Tot Ion	Ratio	Resp	Lower	Upper
114	100	159034		
63	19.6	0.0	41.0	
88	15.1	0.0	31.8	

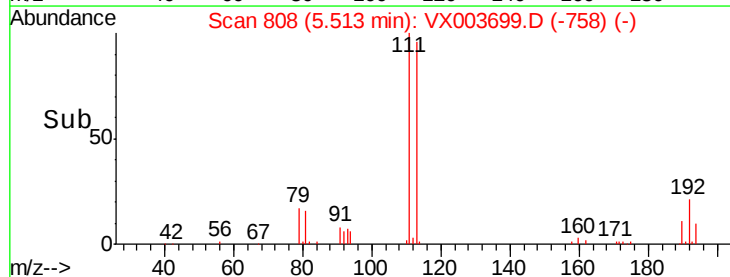
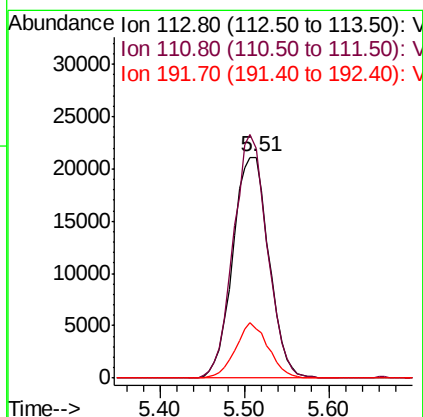
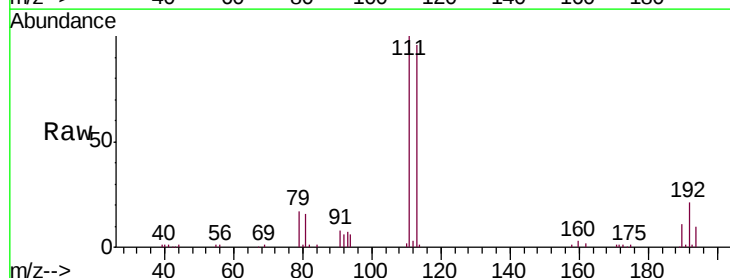
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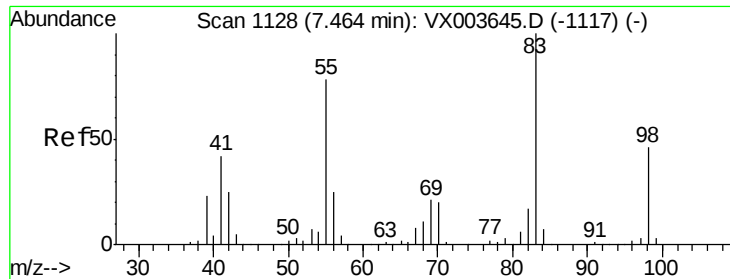
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#35
 Dibromofluoromethane
 Concen: 47.08 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX003699.D
 Acq: 27 Jul 2018 05:33

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	61203		
111	103.9	81.2	121.8	
192	22.7	18.2	27.4	





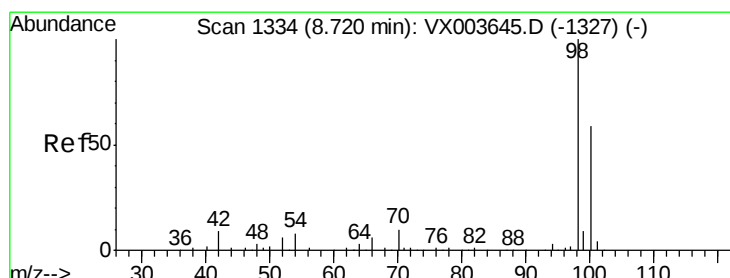
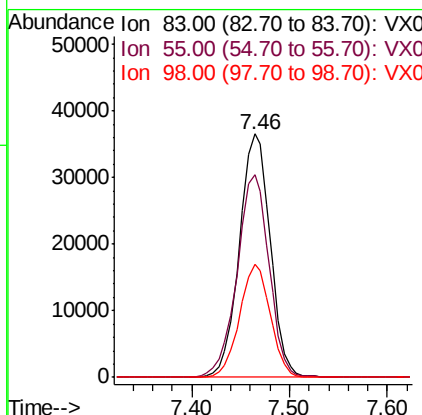
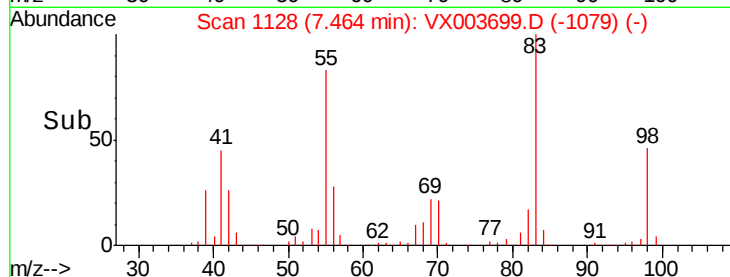
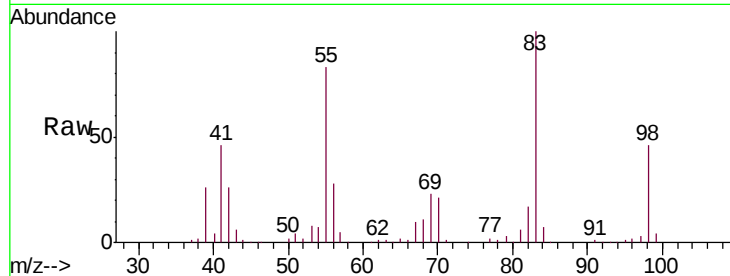
#39
Methvlcvclohexane
Concen: 39.10 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003699.D
Acq: 27 Jul 2018 05:33

Instrument :
MSVOA_X
ClientSampled :
FL-0510

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.0	62.6	93.8
98	46.2	36.6	55.0

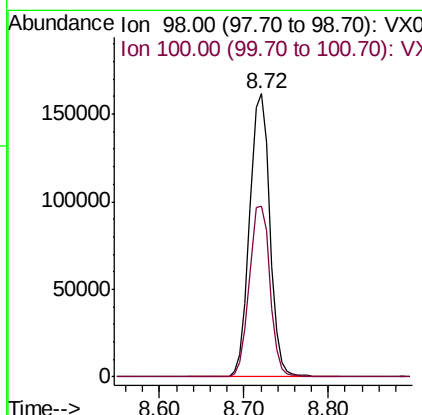
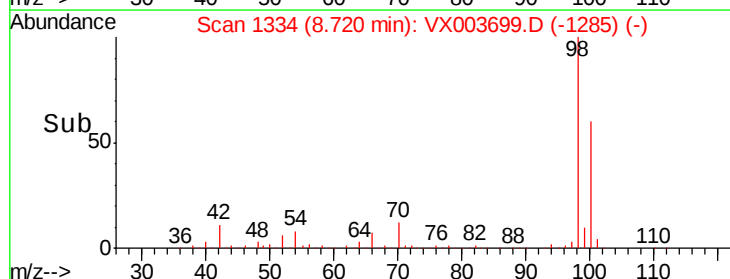
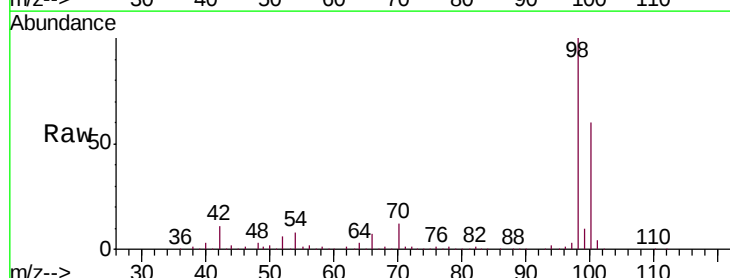
Manual Integrations
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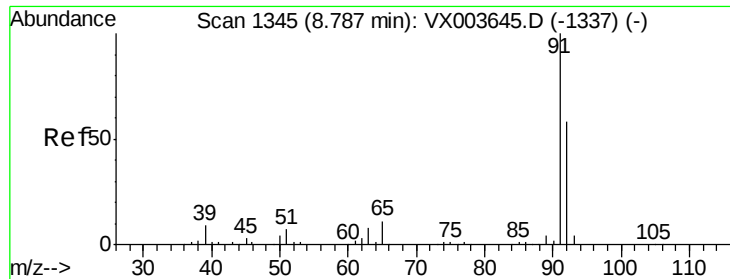
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#50
Toluene-d8
Concen: 52.41 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003699.D
Acq: 27 Jul 2018 05:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.8	50.9	76.3





#52

Toluene

Concen: 10.10 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003699.D

Acq: 27 Jul 2018 05:33

Instrument :

MSVOA_X

ClientSampleId :

FL-0510

Tot Ion: 92 Resp: 34523

Ion Ratio Lower Upper

92 100

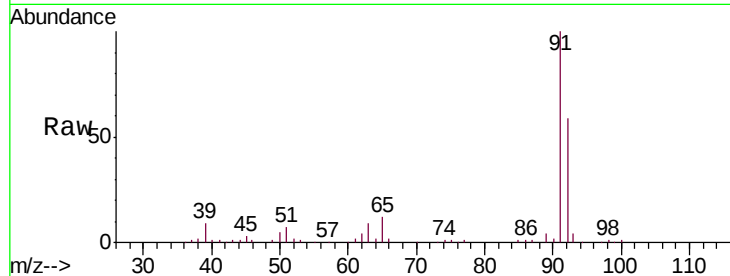
91 169.7 139.0 208.6

Manual Integrations

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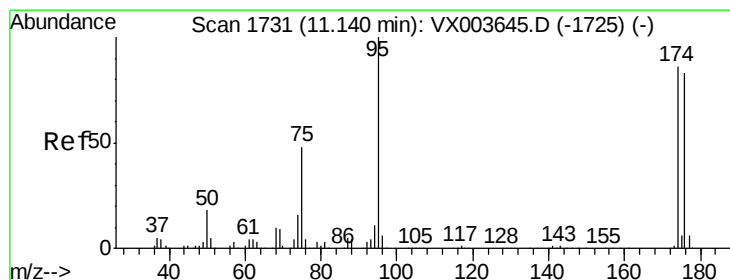
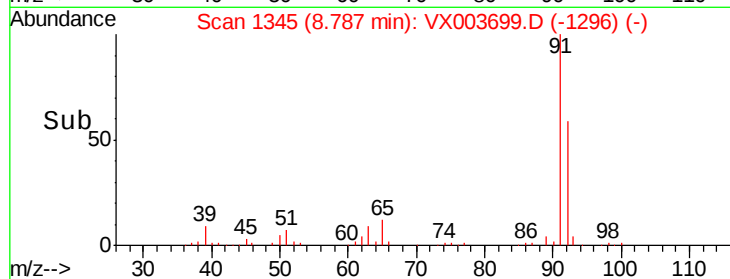
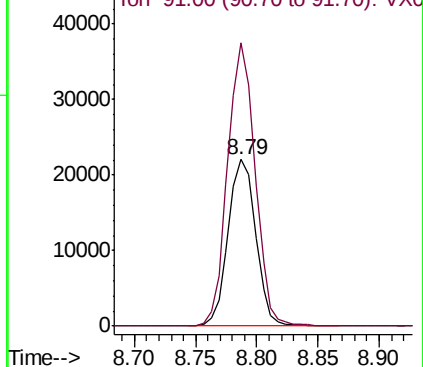
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 52.67 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003699.D

Acq: 27 Jul 2018 05:33

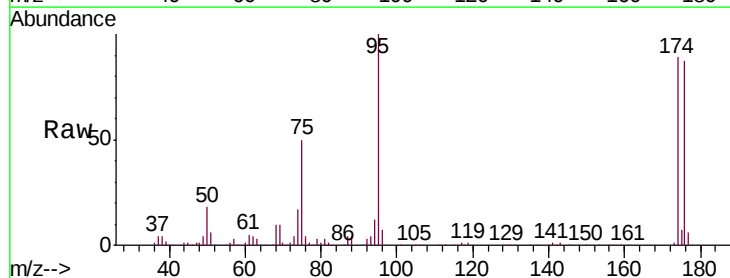
Tgt Ion: 95 Resp: 95309

Ion Ratio Lower Upper

95 100

174 86.1 0.0 179.0

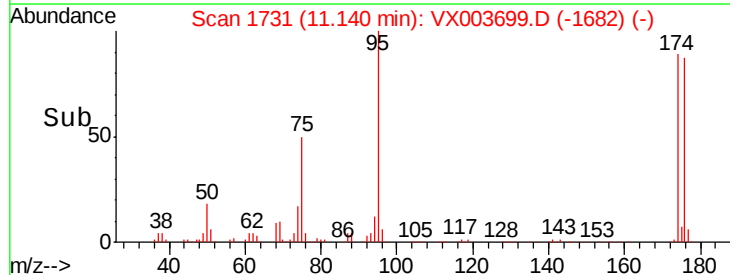
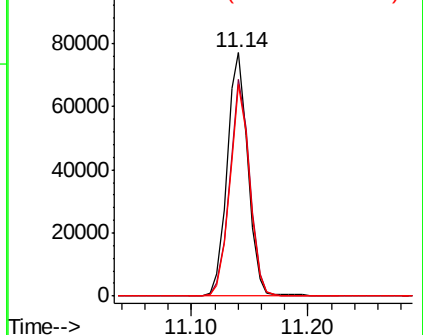
176 83.3 0.0 173.0

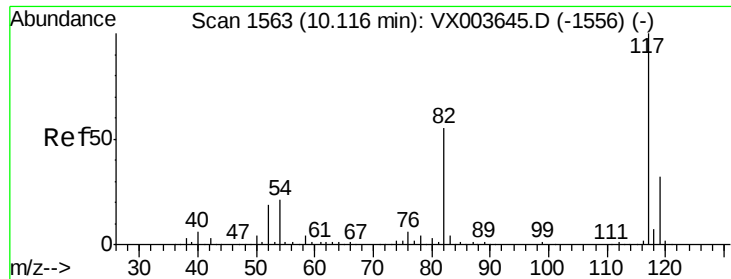


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003699.D

Acq: 27 Jul 2018 05:33

Instrument :

MSVOA_X

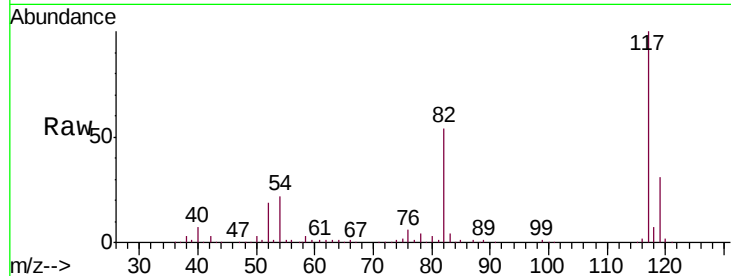
ClientSampled :

FL-0510

Tot Ion:	117	Resp:	135168
Ion Ratio	Lower	Upper	
117	100		
82	54.4	44.3	66.5
119	31.3	25.6	38.4

Manual Integrations
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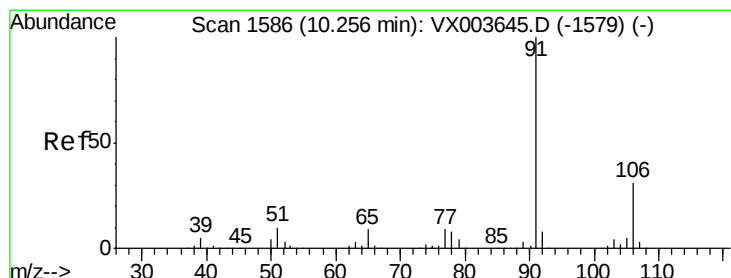
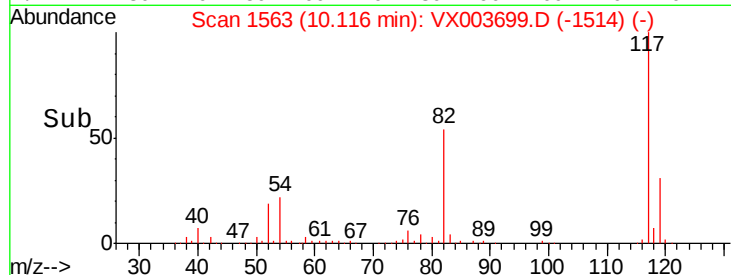
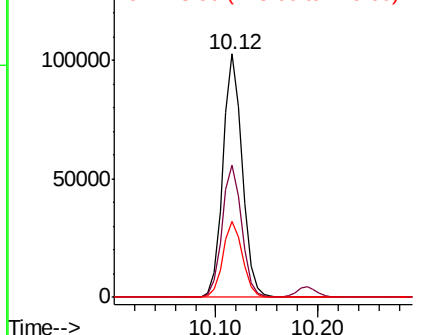
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 427.98 ug/l

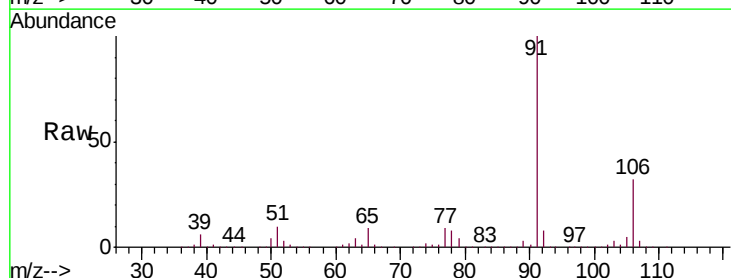
RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003699.D

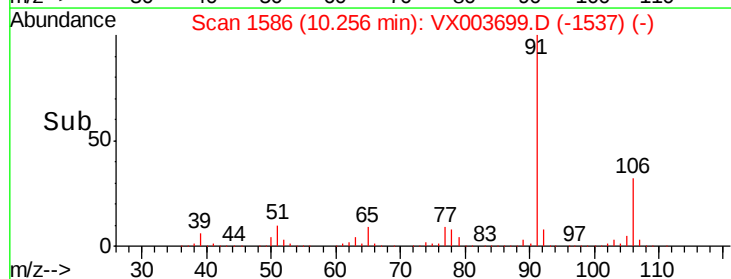
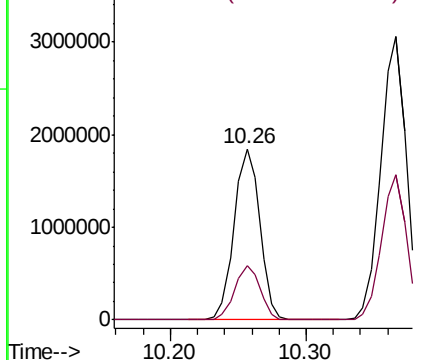
Acq: 27 Jul 2018 05:33

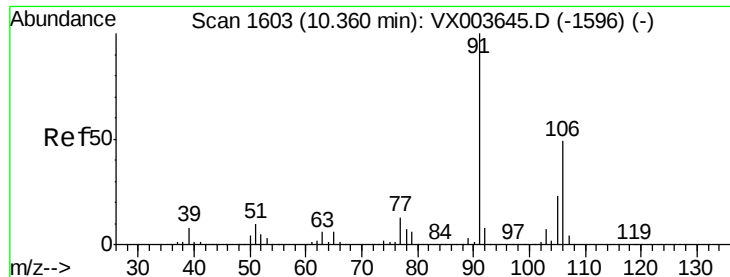
Tgt Ion:	91	Resp:	2437000
Ion Ratio	Lower	Upper	
91	100		
106	31.8	25.0	37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





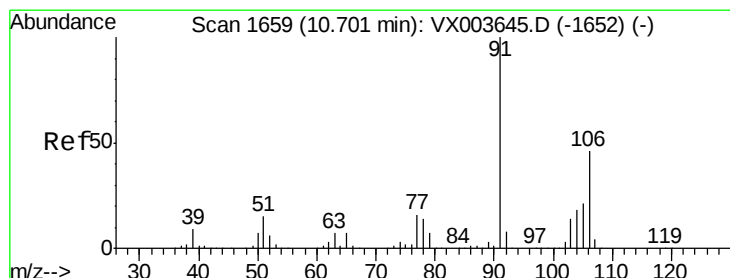
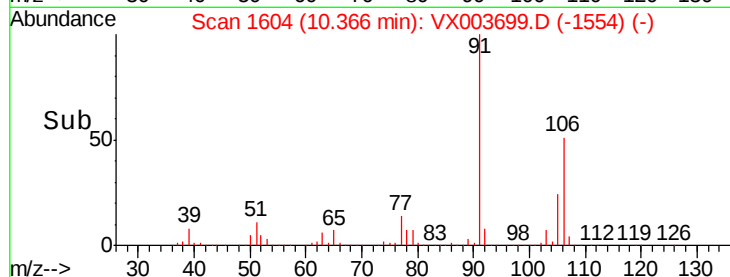
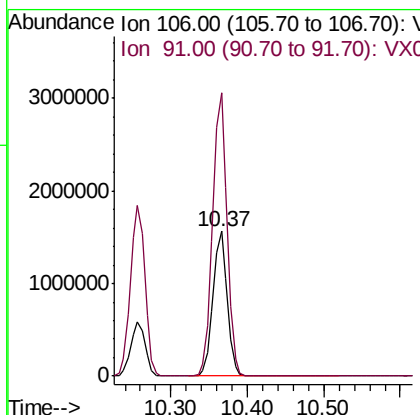
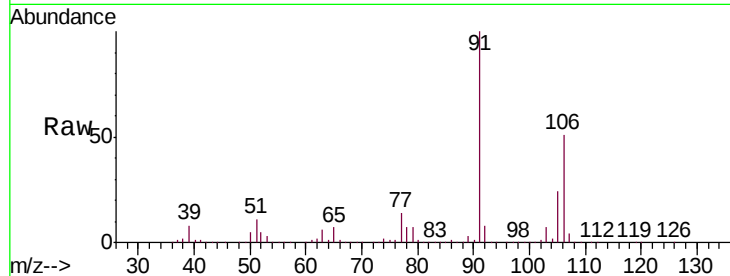
#68
m/p-Xylenes
Concen: 921.15 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003699.D
Acq: 27 Jul 2018 05:33

Instrument :
MSVOA_X
ClientSampleId :
FL-0510

Tot Ion:106 Resp: 2012213
Ion Ratio Lower Upper
106 100
91 198.8 162.2 243.2

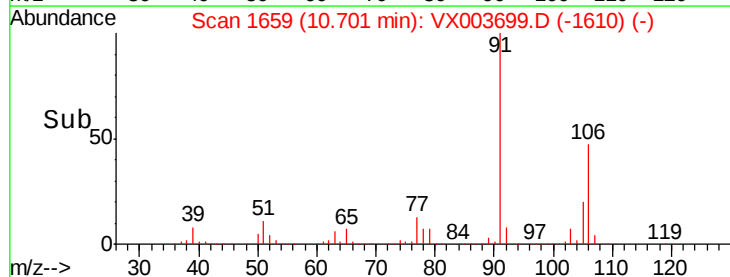
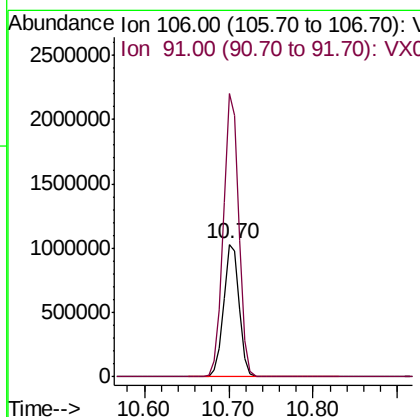
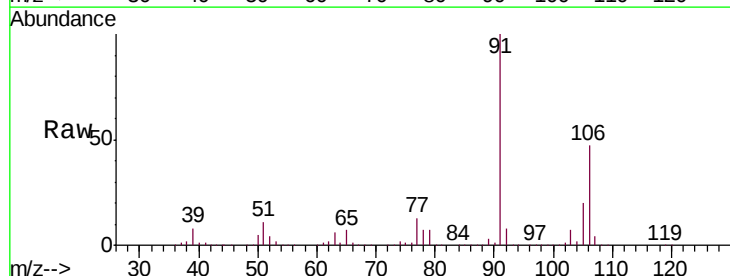
Manual Integrations
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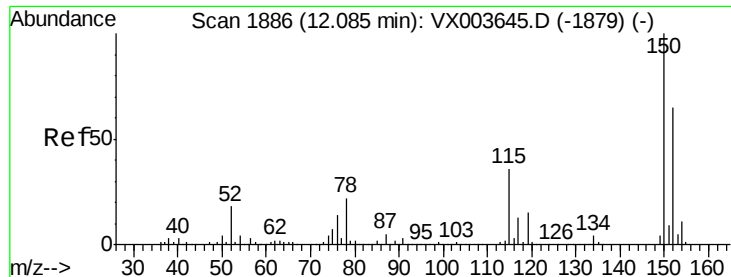
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#69
o-Xylene
Concen: 626.58 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003699.D
Acq: 27 Jul 2018 05:33

Tgt Ion:106 Resp: 1317672
Ion Ratio Lower Upper
106 100
91 212.6 107.1 321.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003699.D

Acq: 27 Jul 2018 05:33

Instrument :

MSVOA_X

ClientSampled :

FL-0510

Tot Ion:152 Resp: 95357

Ion Ratio Lower Upper

152 100

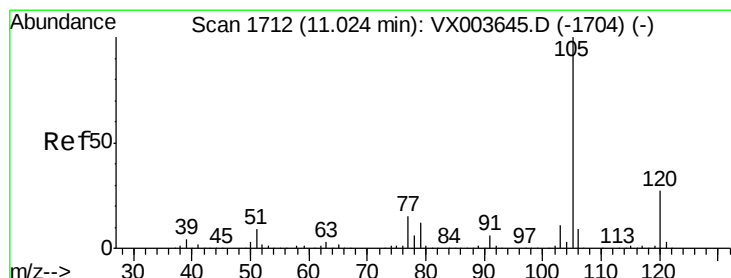
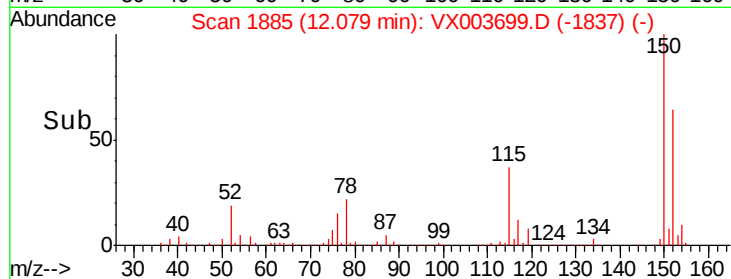
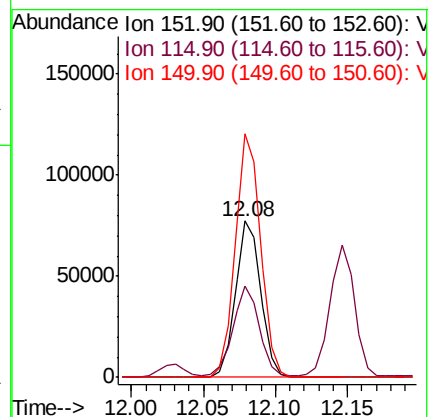
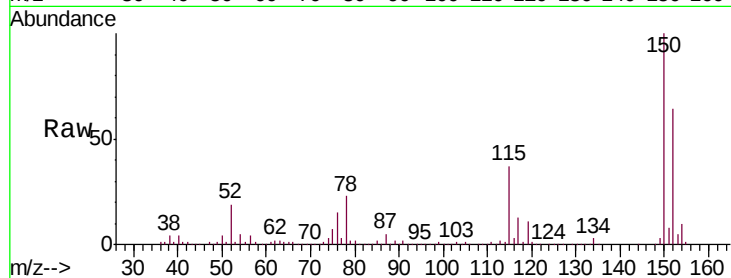
115 60.3 40.0 119.9

150 156.4 0.0 348.4

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#73

Isopropylbenzene

Concen: 53.19 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003699.D

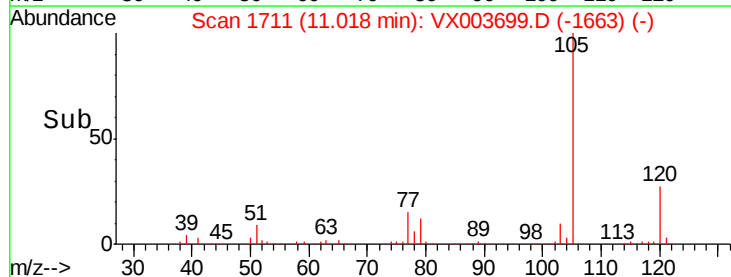
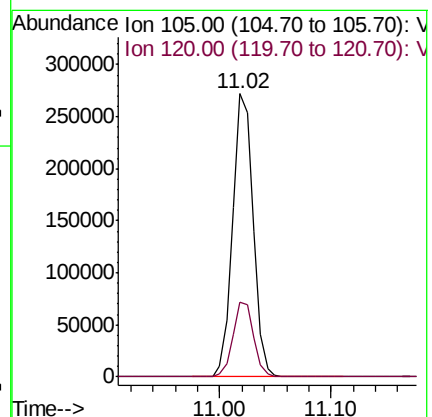
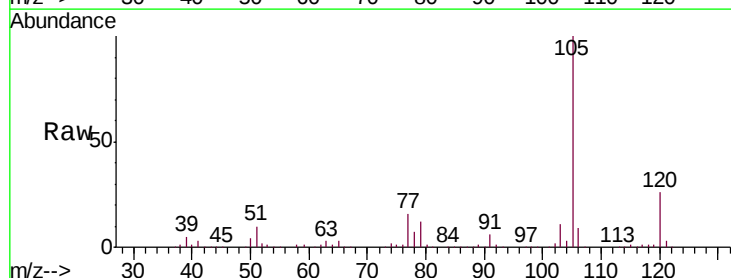
Acq: 27 Jul 2018 05:33

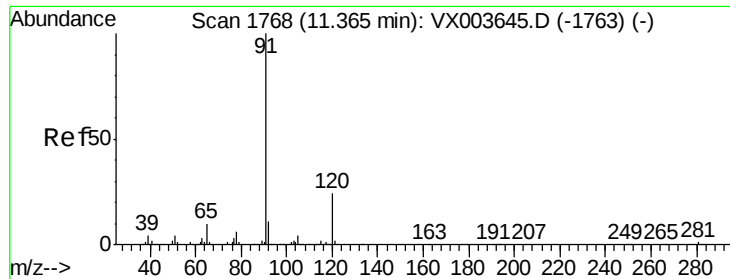
Tgt Ion:105 Resp: 346537

Ion Ratio Lower Upper

105 100

120 26.6 13.5 40.5





#78

n-propylbenzene

Concen: 75.97 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003699.D

Acq: 27 Jul 2018 05:33

Instrument :

MSVOA_X

ClientSampled :

FL-0510

Tot Ion: 91 Resp: 571506

Ion Ratio Lower Upper

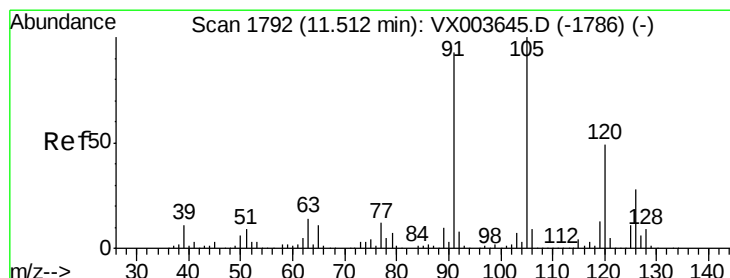
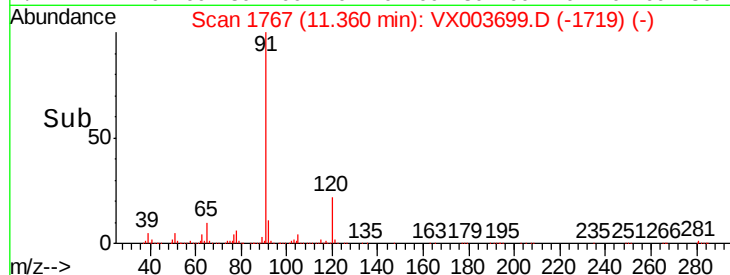
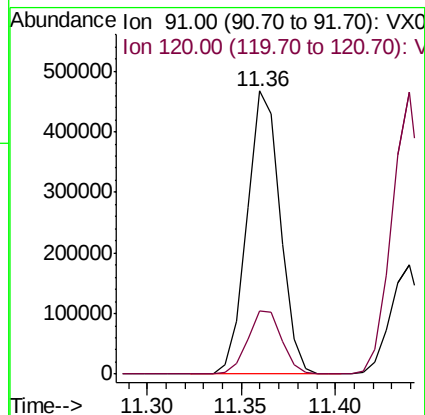
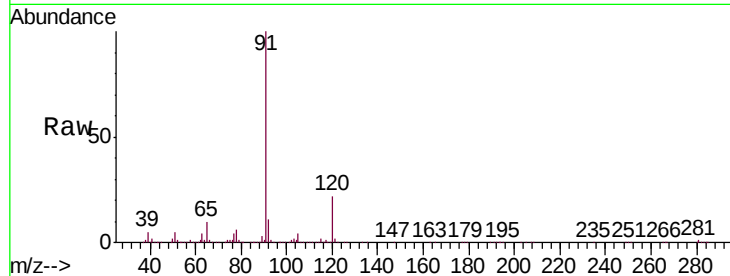
91 100

120 22.8 11.8 35.3

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#80

1,3,5-Trimethylbenzene

Concen: 174.17 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003699.D

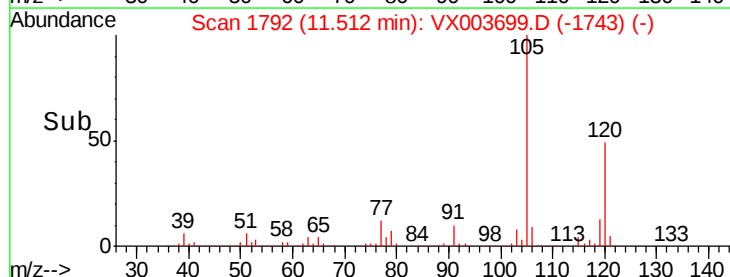
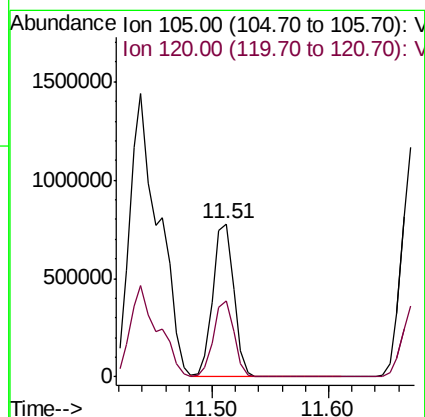
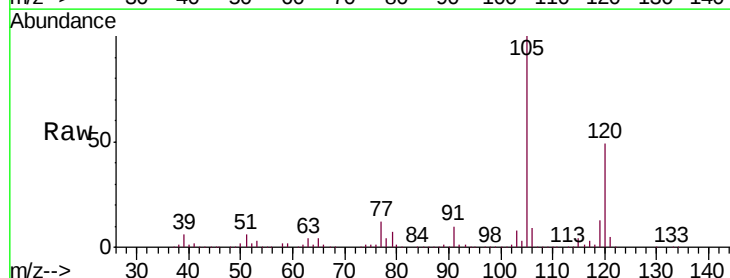
Acq: 27 Jul 2018 05:33

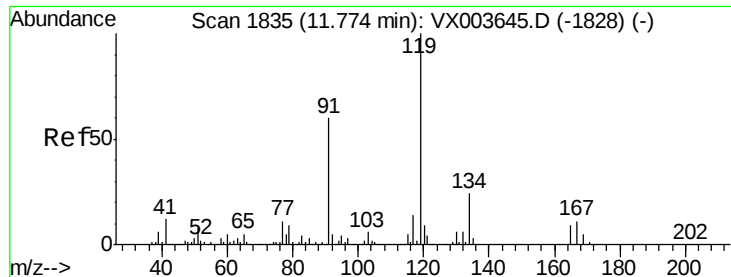
Tgt Ion: 105 Resp: 960027

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.4





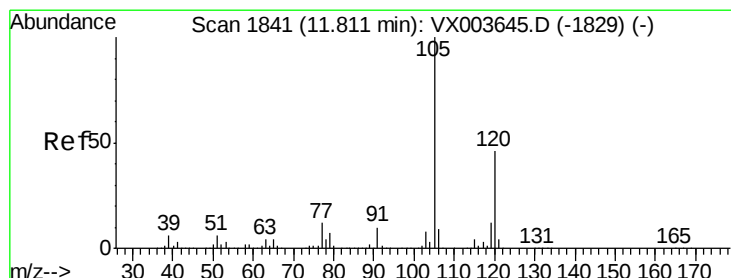
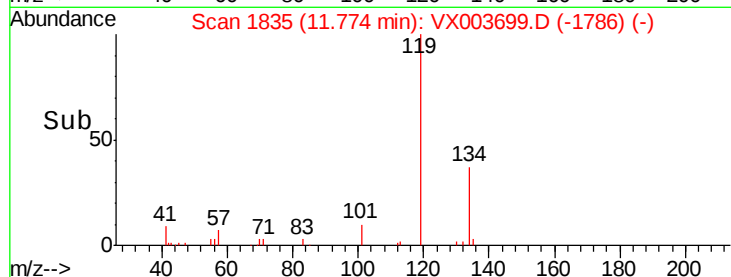
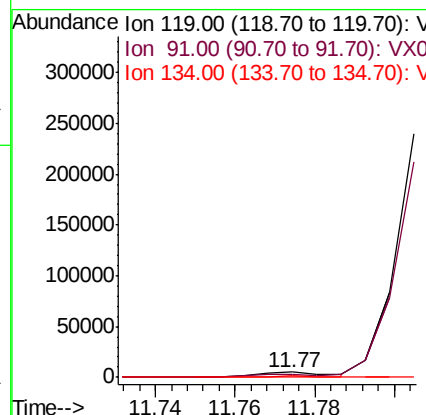
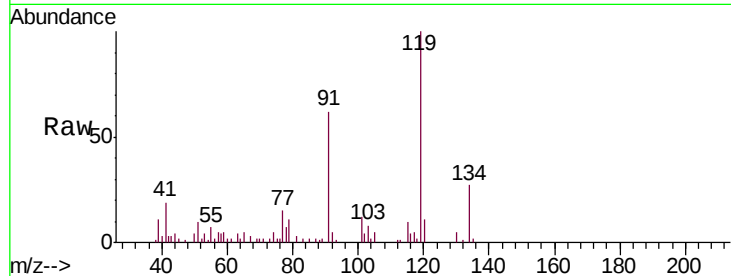
#83
tert-Butylbenzene
Concen: 1.18 ug/l m
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003699.D
Acq: 27 Jul 2018 05:33

Instrument :
MSVOA_X
ClientSampleId :
FL-0510

Tot Ion:119 Resp: 6375
Ion Ratio Lower Upper
119 100
91 6183.5 28.4 85.2
134 0.0 11.6 34.8

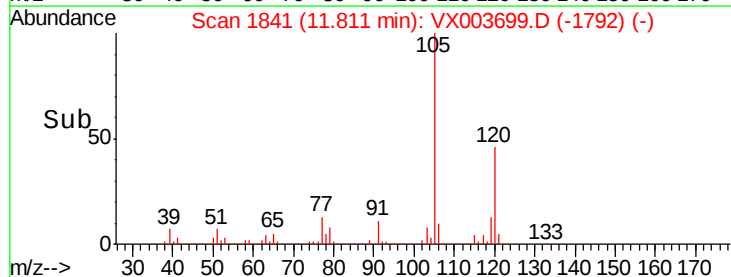
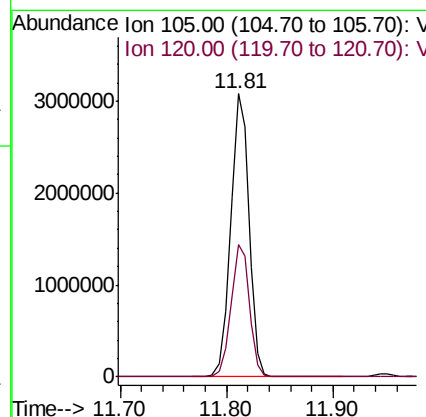
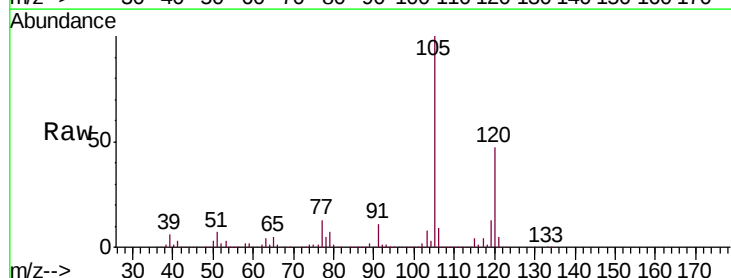
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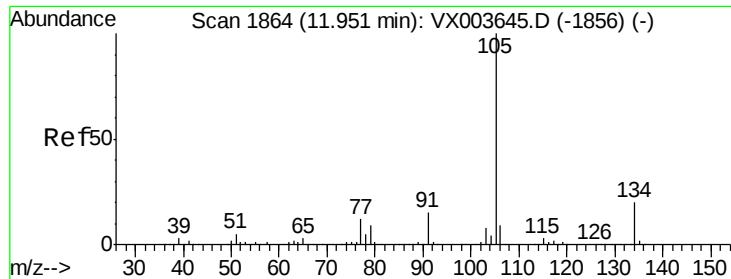
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#84
1,2,4-Trimethylbenzene
Concen: 653.51 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003699.D
Acq: 27 Jul 2018 05:33

Tgt Ion:105 Resp: 3702138
Ion Ratio Lower Upper
105 100
120 46.8 22.6 67.8





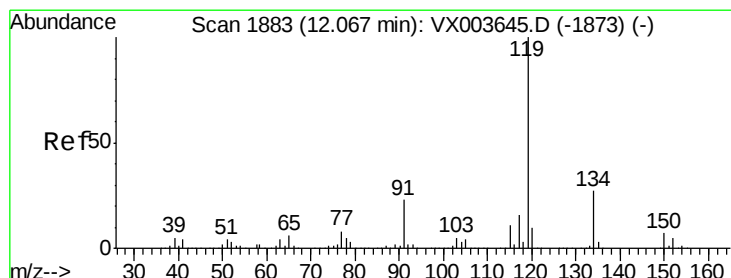
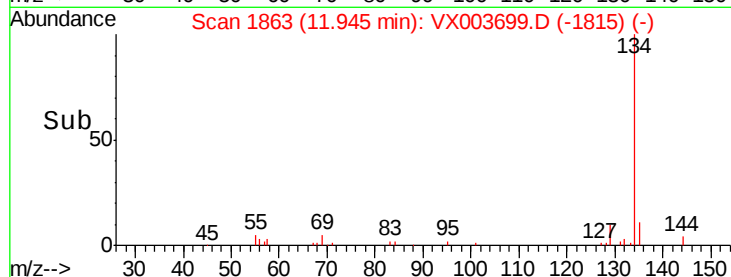
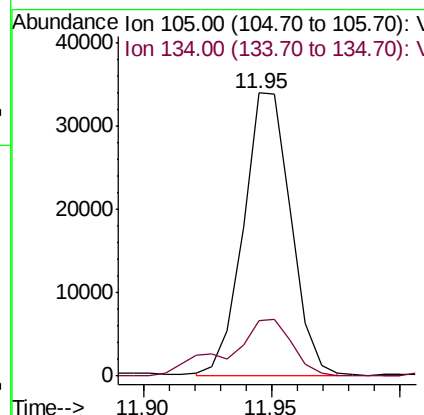
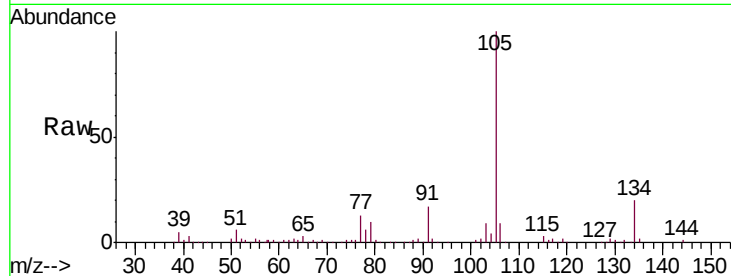
#85
 sec-Butylbenzene
 Concen: 6.82 ug/l m
 RT: 11.95 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: VX003699.D
 Acq: 27 Jul 2018 05:33

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0510

Tot Ion:105 Resp: 43927
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#

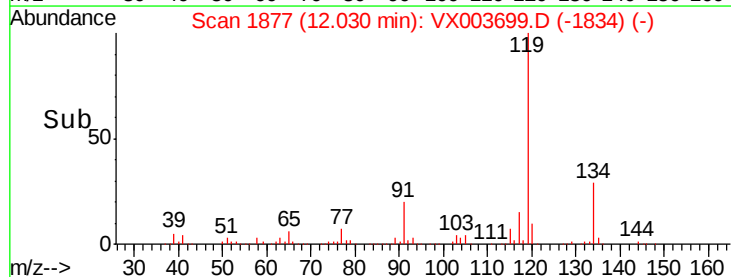
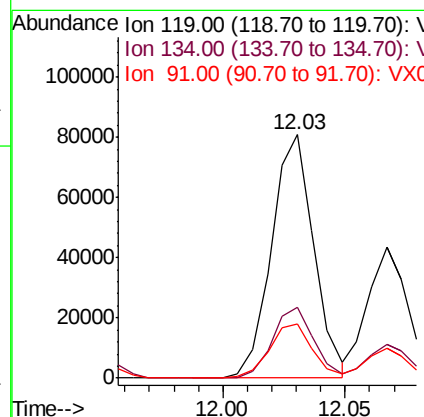
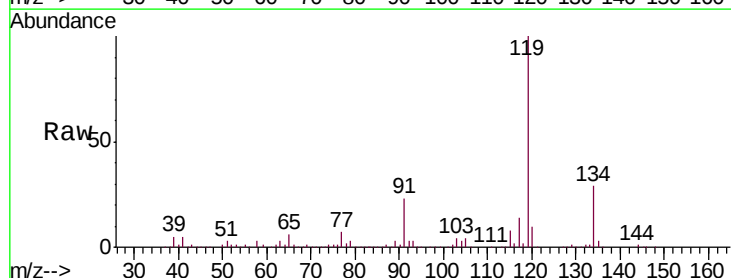
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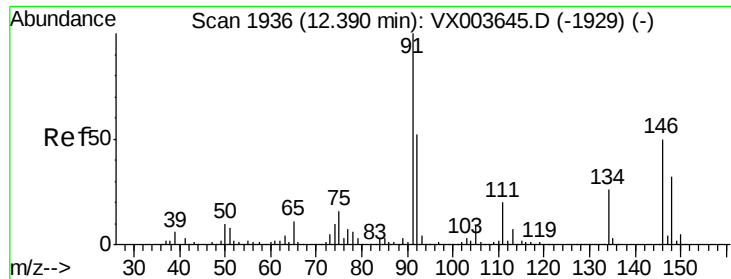
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#86
 p-Isopropyltoluene
 Concen: 16.94 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.04 min
 Lab File: VX003699.D
 Acq: 27 Jul 2018 05:33

Tgt Ion:119 Resp: 97894
 Ion Ratio Lower Upper
 119 100
 134 28.4 13.3 39.9
 91 22.6 11.5 34.5





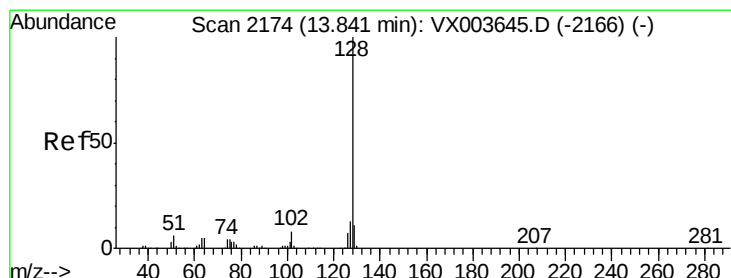
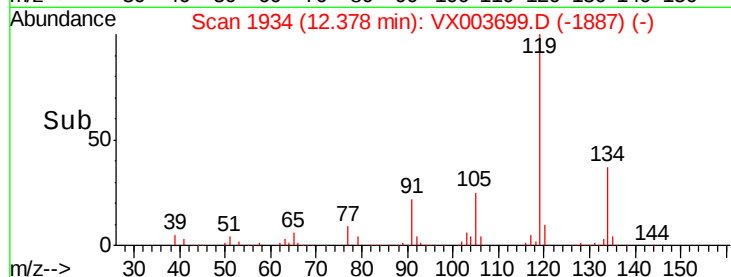
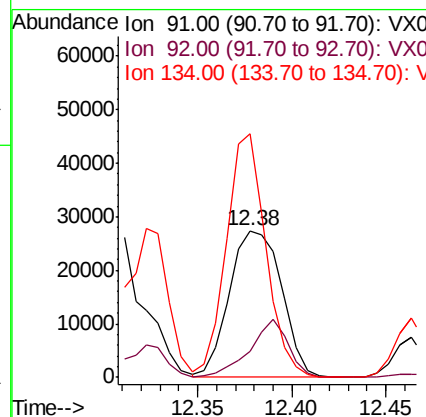
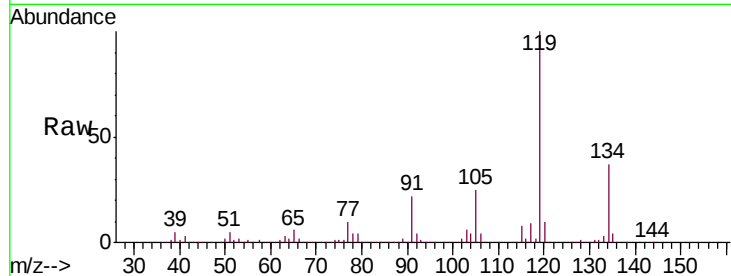
#89
n-Butylbenzene
Concen: 10.06 ug/l
RT: 12.38 min Scan# 1934
Delta R.T. -0.01 min
Lab File: VX003699.D
Acq: 27 Jul 2018 05:33

Instrument :
MSVOA_X
ClientSampled :
FL-0510

Tot Ion	Ratio	Lower	Upper
91	100		
92	29.3	26.3	78.9
134	126.0	13.3	39.8#

Manual Integrations
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#95
Naphthalene
Concen: 138.32 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VX003699.D
Acq: 27 Jul 2018 05:33

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.7	13.1

