

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002018.D
 Acq On : 26 May 2018 14:48
 Operator : JC/MD
 Sample : J3064-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17

Manual Integrations
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MMDadoda
 5/30/2018 1:50:08 PM

Quant Time: May 29 03:48:25 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	301960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	458495	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	430484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	245165	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	277988	51.50	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.00%		
35) Dibromofluoromethane	5.51	113	215483	47.00	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.00%		
50) Toluene-d8	8.72	98	795271	47.91	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.82%		
62) 4-Bromofluorobenzene	11.14	95	302920	46.64	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.28%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	6966	6.57	ug/l #	93
16) Acetone	2.45	43	12912	6.20	ug/l	90
19) Methyl tert-butyl Ether	3.21	73	36191	2.73	ug/l	95
31) Cyclohexane	5.58	56	7111	0.96	ug/l #	83
39) Methylcyclohexane	7.46	83	21683	2.77	ug/l	99
73) Isopropylbenzene	11.02	105	73717	3.55	ug/l	99
78) n-propylbenzene	11.37	91	115245	4.96	ug/l	100
83) tert-Butylbenzene	11.77	119	21241	1.22	ug/l	92
85) sec-Butylbenzene	11.95	105	55327	2.64	ug/l	84
89) n-Butylbenzene	12.39	91	21663m	1.37	ug/l	

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

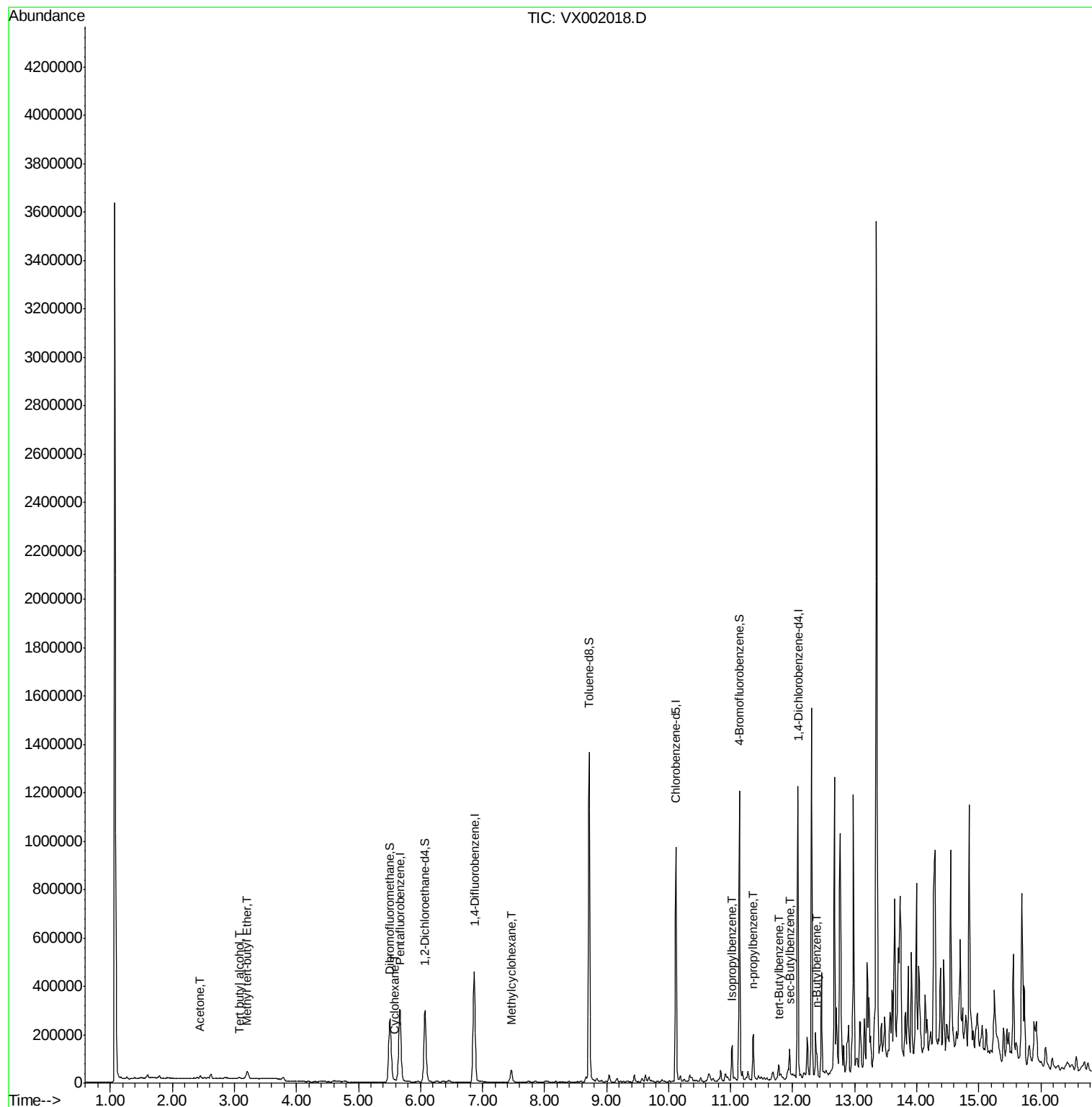
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Data File : VX002018.D
Acq On : 26 May 2018 14:48
Operator : JC/MD
Sample : J3064-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

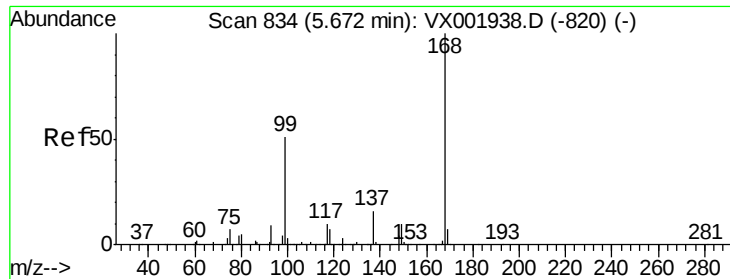
Instrument :
MSVOA_X
ClientSampleId :
MW-17

Manual Integrations
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Quant Time: May 29 03:48:25 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration





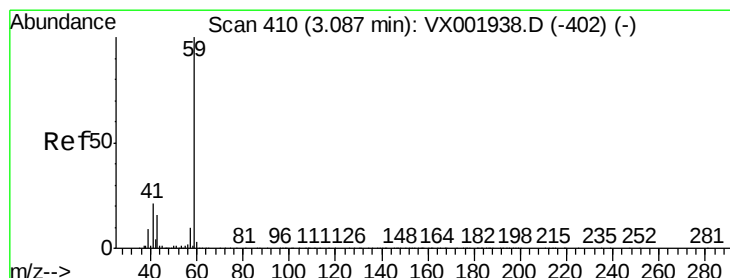
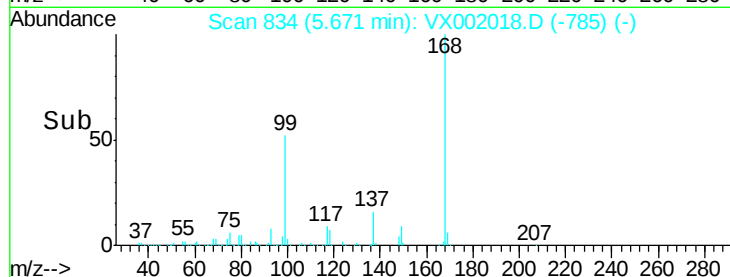
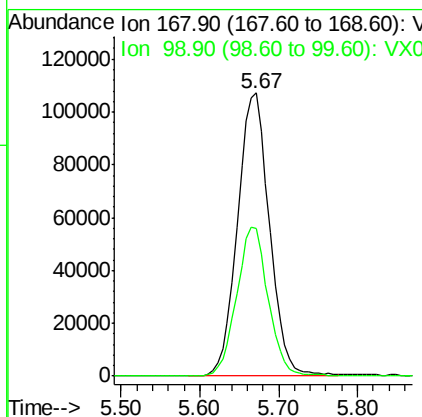
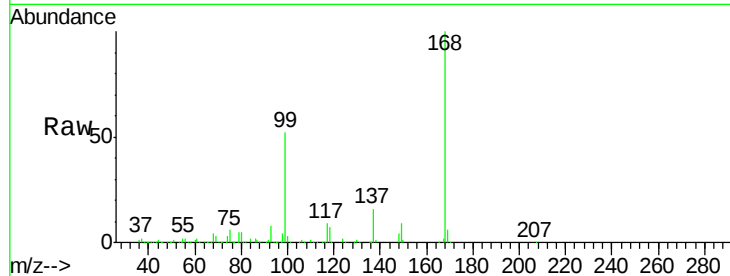
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Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.00 min
Lab File: VX002018.D
Acq: 26 May 2018 14:48

Instrument :
MSVOA_X
ClientSampleId :
MW-17

Tot Ion	Ratio	Resp	Lower	Upper
168	100	301960		
99	52.0	41.0	61.4	

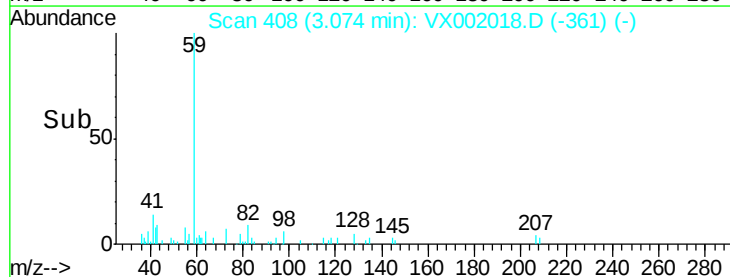
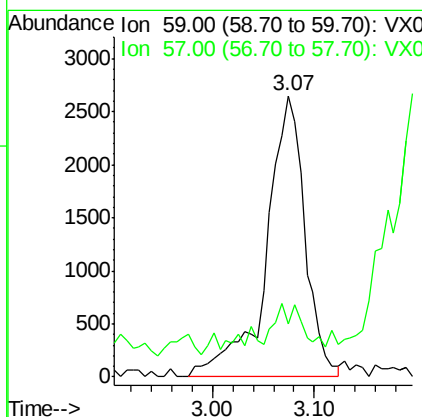
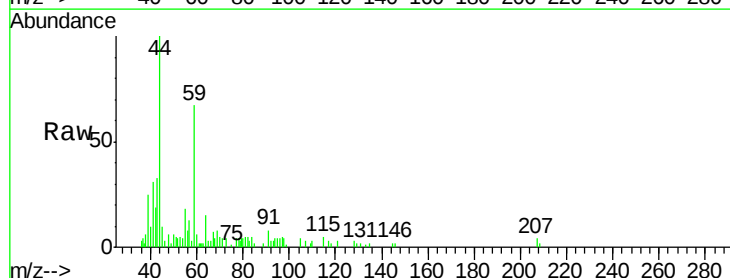
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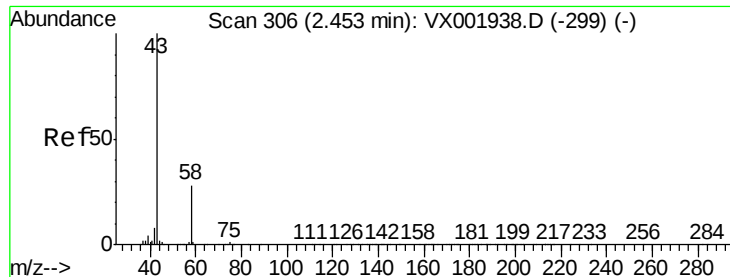
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#11
Tert butyl alcohol
Concen: 6.57 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002018.D
Acq: 26 May 2018 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	6966		
57	8.5	8.9	13.3	





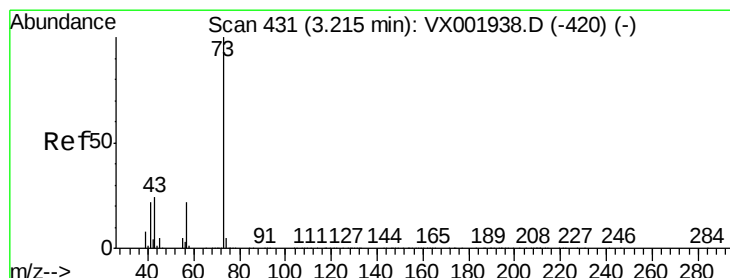
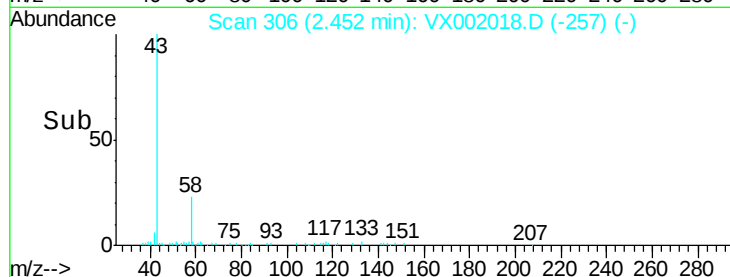
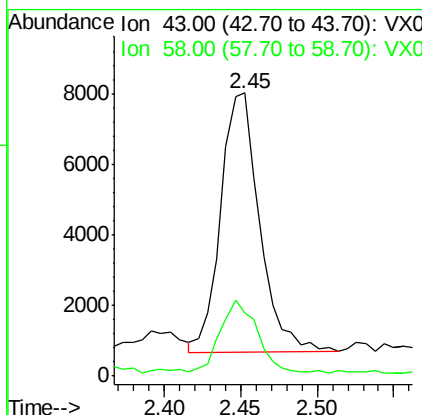
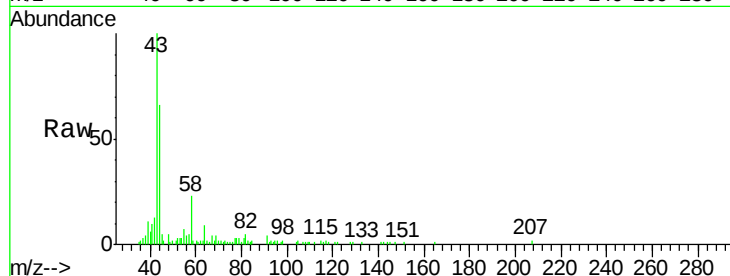
#16
Acetone
Concen: 6.20 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX002018.D
Acq: 26 May 2018 14:48

Instrument :
MSVOA_X
ClientSampleId :
MW-17

Tot Ion	43	Resp	12912
Ion Ratio	100	Lower	Upper
58	22.8	22.3	33.5

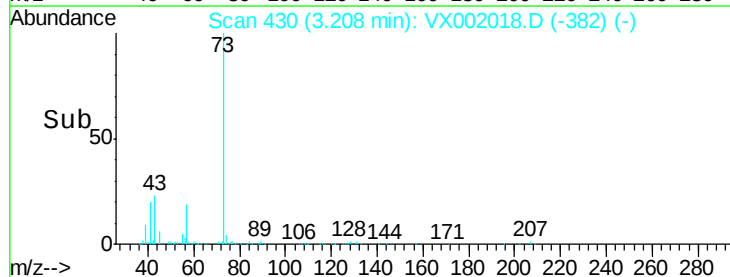
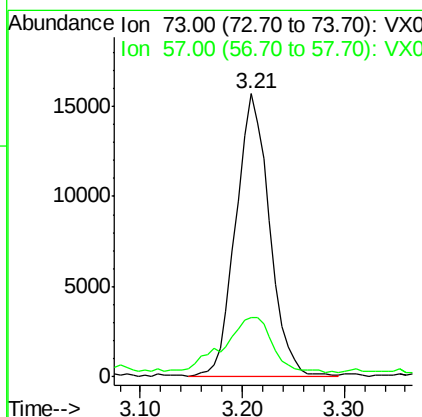
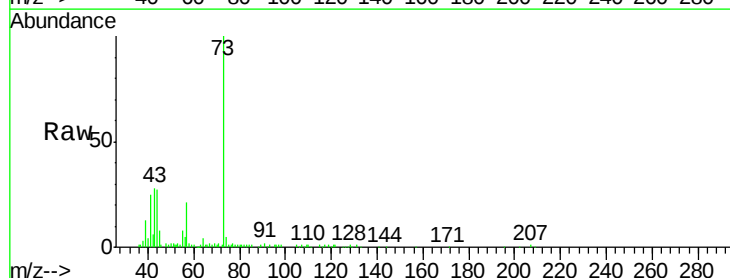
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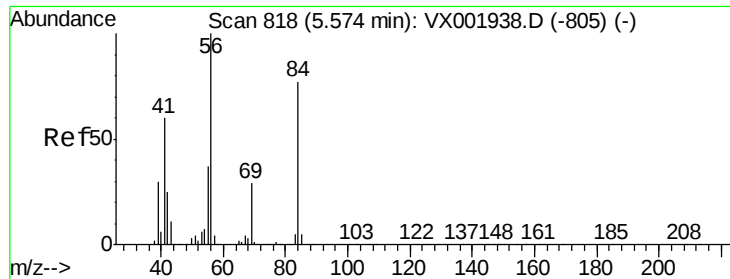
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#19
Methyl tert-butyl Ether
Concen: 2.73 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002018.D
Acq: 26 May 2018 14:48

Tgt Ion	73	Resp	36191
Ion Ratio	100	Lower	Upper
57	19.5	17.4	26.0





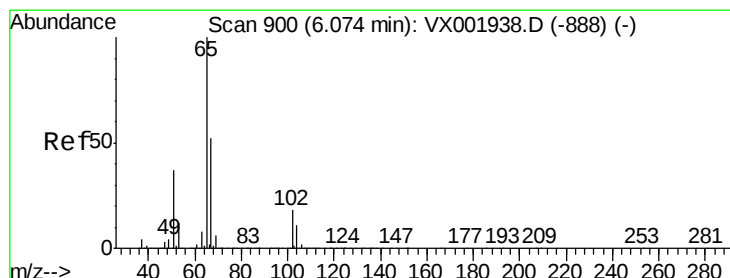
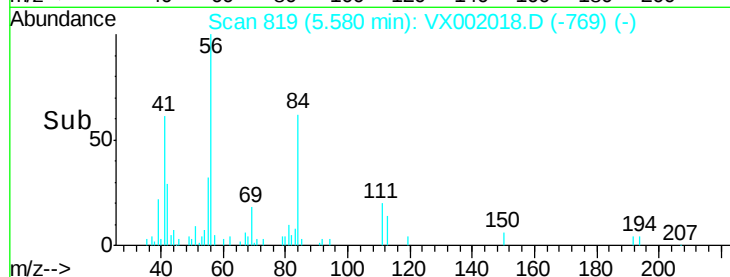
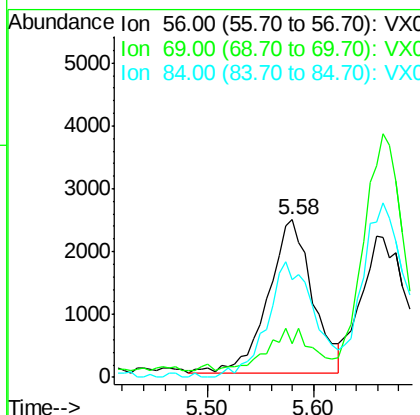
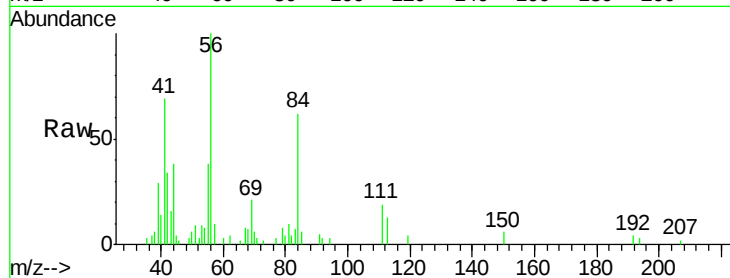
#31
Cyclohexane
Concen: 0.96 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002018.D
Acq: 26 May 2018 14:48

Instrument :
MSVOA_X
ClientSampled :
MW-17

Tot Ion	Ratio	Lower	Upper
56	100		
69	17.9	23.1	34.7#
84	63.5	62.0	93.0

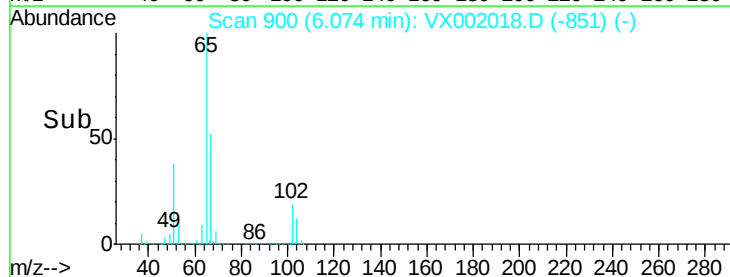
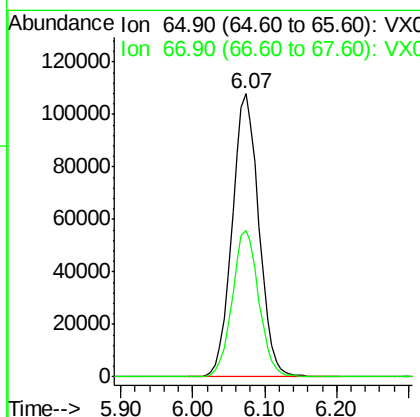
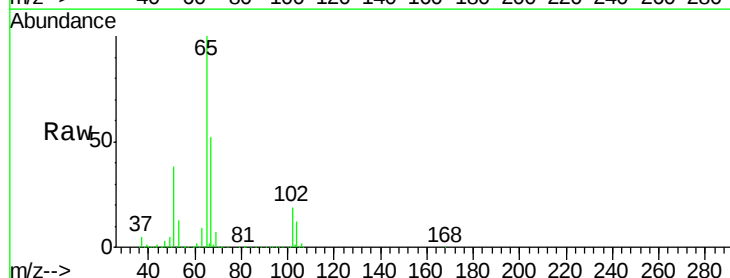
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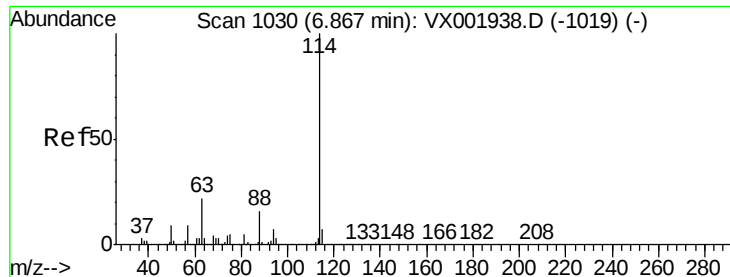
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#33
1,2-Dichloroethane-d4
Concen: 51.50 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX002018.D
Acq: 26 May 2018 14:48

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	104.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002018.D

Acq: 26 May 2018 14:48

Instrument :

MSVOA_X

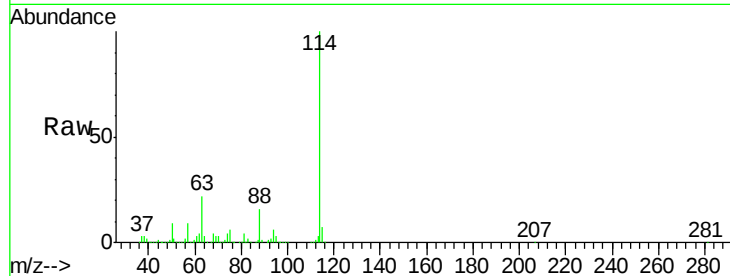
ClientSampled :

MW-17

Tot Ion:	114	Resp:	458495
Ion Ratio	Lower	Upper	
114	100		
63	21.6	0.0	43.2
88	16.5	0.0	31.6

Manual Integrations
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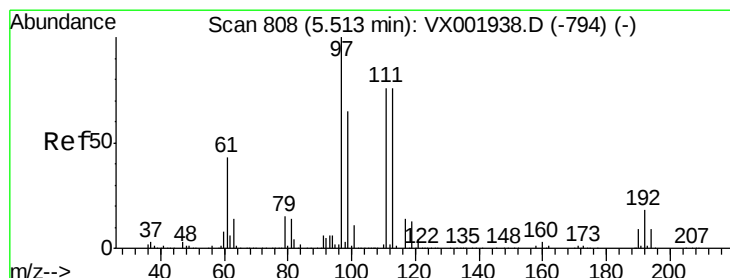
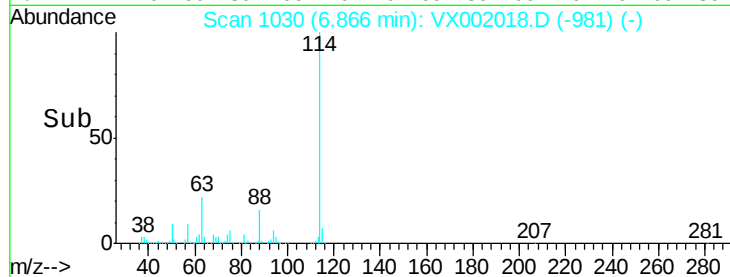
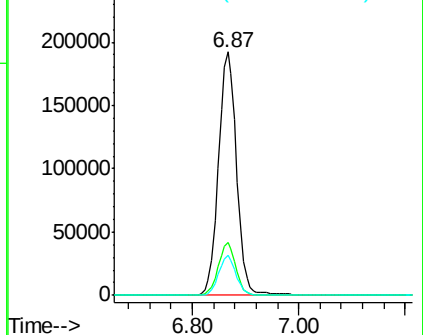
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.00 ug/l

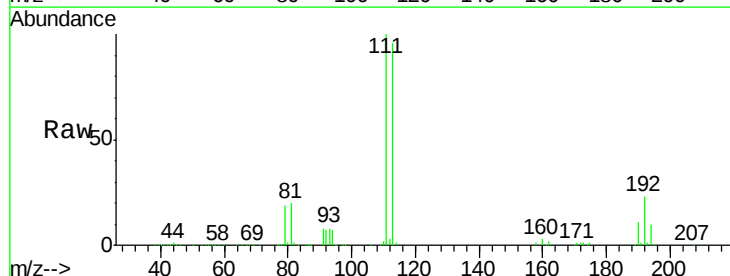
RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002018.D

Acq: 26 May 2018 14:48

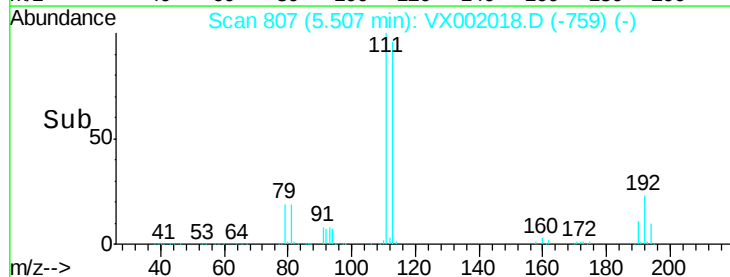
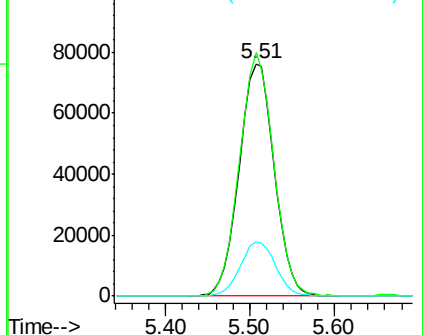
Tgt Ion:	113	Resp:	215483
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.0	123.0
192	23.6	18.9	28.3

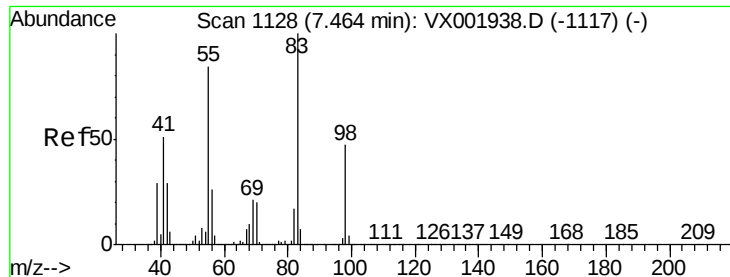


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





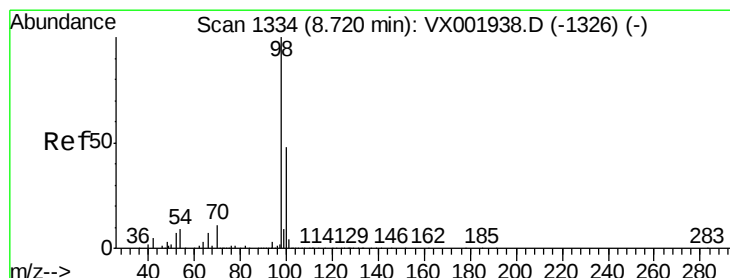
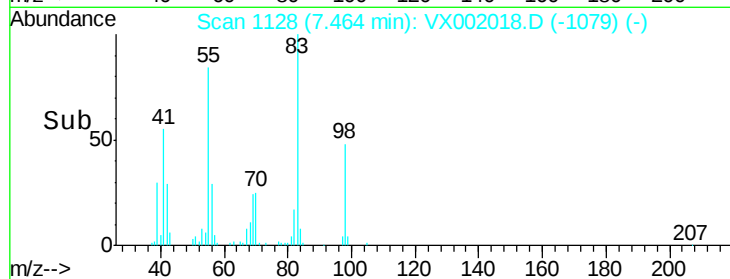
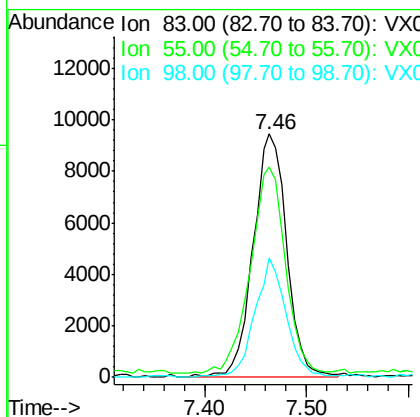
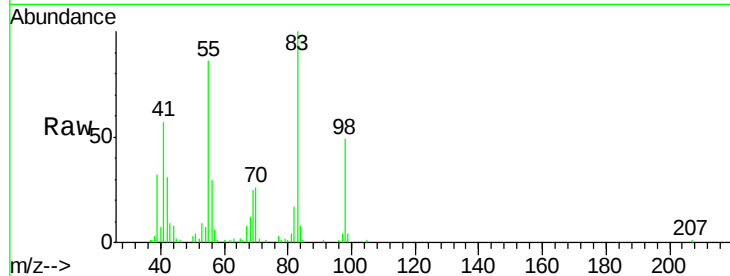
#39
Methvlcvclohexane
Concen: 2.77 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002018.D
Acq: 26 May 2018 14:48

Instrument :
MSVOA_X
ClientSampleId :
MW-17

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.6	67.3	100.9
98	48.8	37.5	56.3

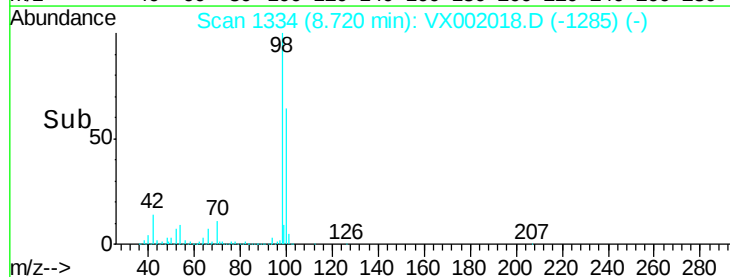
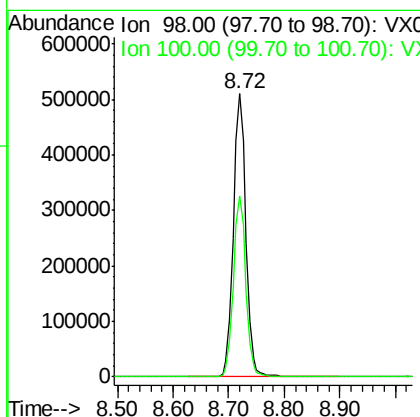
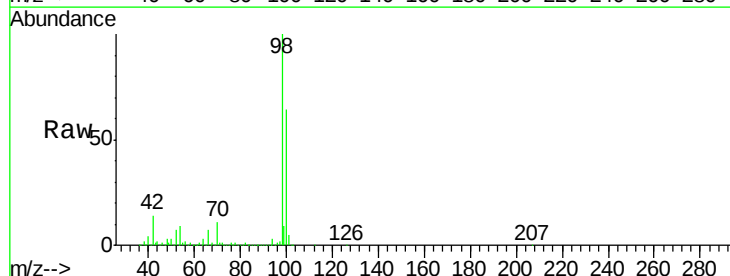
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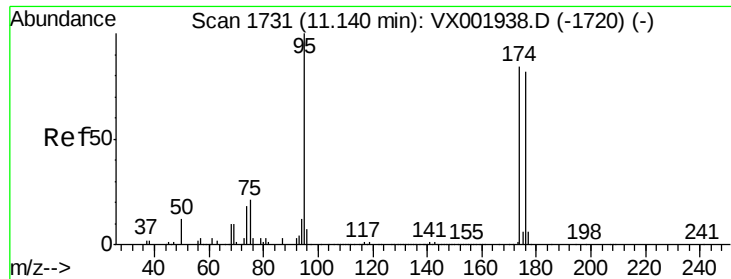
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#50
Toluene-d8
Concen: 47.91 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002018.D
Acq: 26 May 2018 14:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.5	77.3





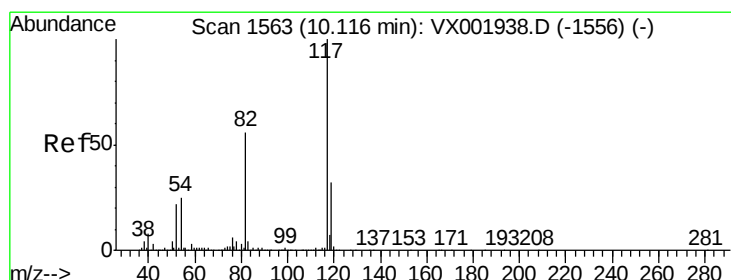
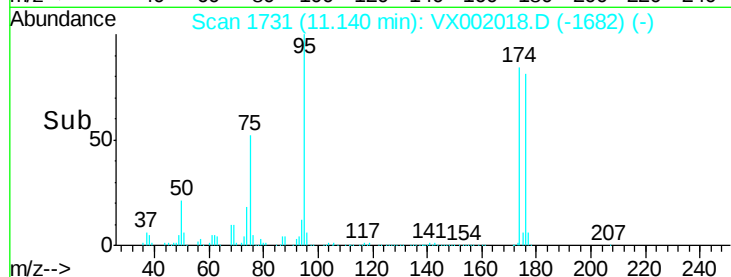
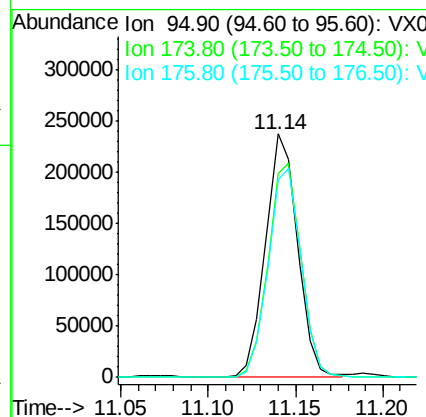
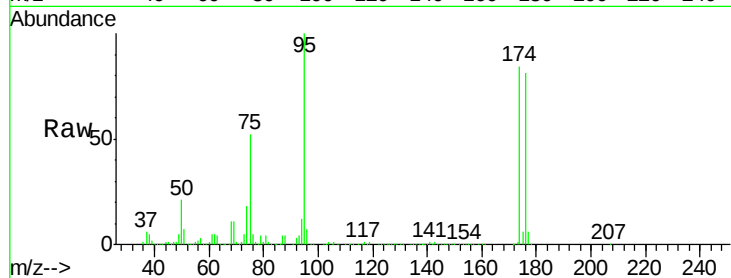
#62
4-Bromofluorobenzene
Concen: 46.64 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002018.D
Acq: 26 May 2018 14:48

Instrument :
MSVOA_X
ClientSampleId :
MW-17

Tot Ion	Ratio	Resp	Lower	Upper
95	100	302920		
174	90.7	0.0	178.8	
176	88.1	0.0	175.6	

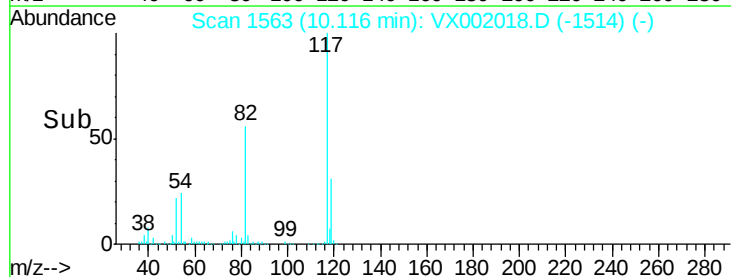
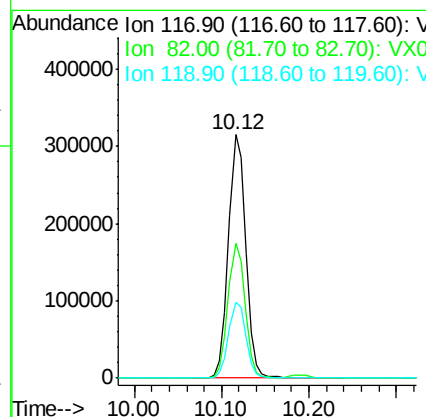
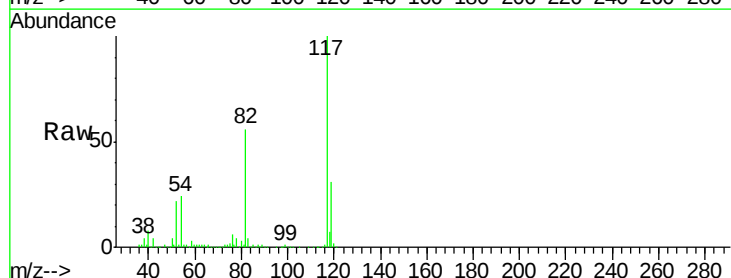
Manual Integrations
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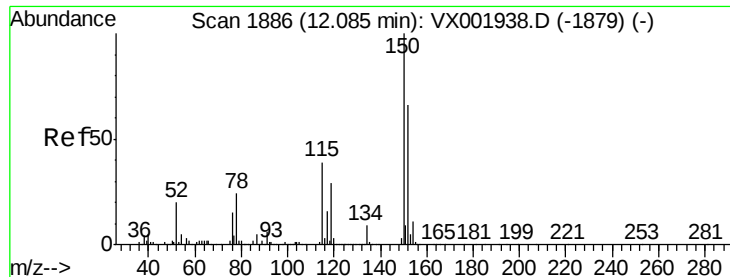
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5/30/2018 1:50:08 PM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002018.D
Acq: 26 May 2018 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	430484		
82	55.6	44.8	67.2	
119	31.3	25.5	38.3	





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002018.D

Acq: 26 May 2018 14:48

Instrument :

MSVOA_X

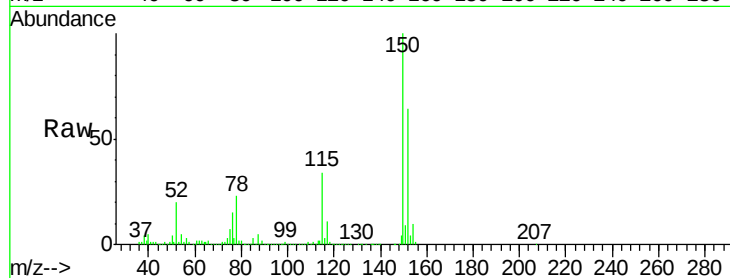
ClientSampled :

MW-17

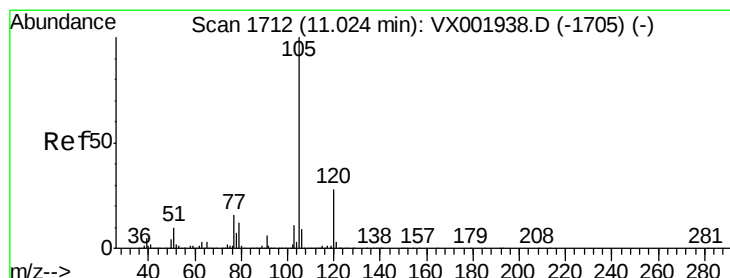
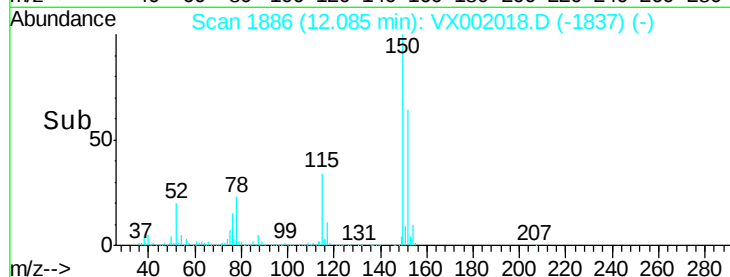
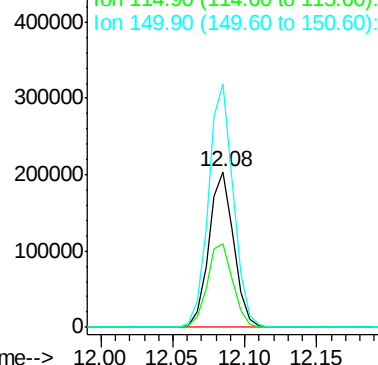
Tot Ion:	152	Resp:	245165
Ion Ratio	Lower	Upper	
152	100		
115	55.8	42.3	126.8
150	157.1	0.0	351.0

Manual Integrations
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5/30/2018 1:50:08 PM



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 3.55 ug/l

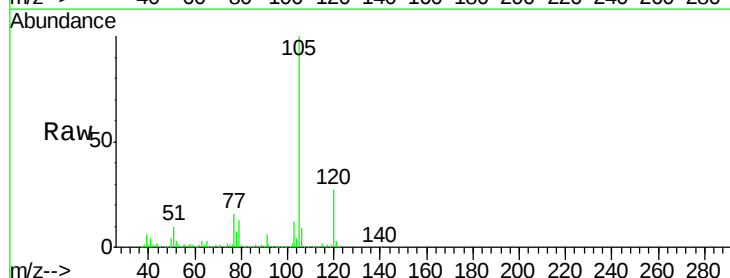
RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

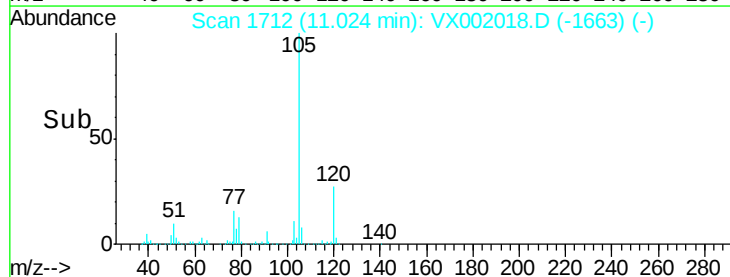
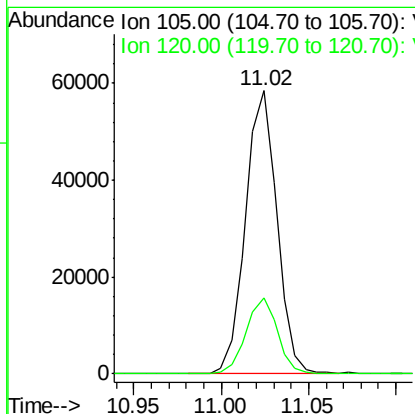
Lab File: VX002018.D

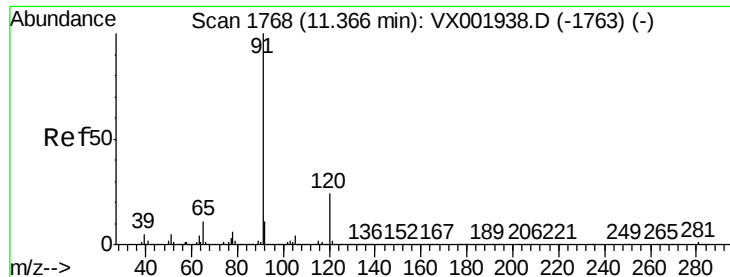
Acq: 26 May 2018 14:48

Tgt Ion:	105	Resp:	73717
Ion Ratio	Lower	Upper	
105	100		
120	26.7	13.6	40.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 4.96 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002018.D

Acq: 26 May 2018 14:48

Instrument :

MSVOA_X

ClientSampled :

MW-17

Tot Ion: 91 Resp: 115245

Ion Ratio Lower Upper

91 100

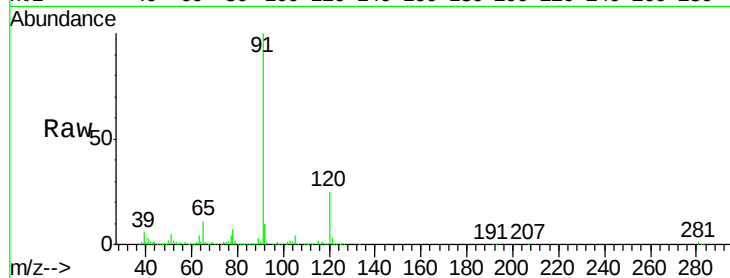
120 23.9 11.9 35.7

Manual Integrations

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MMDadoda

5/30/2018 1:50:08 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.37

100000

80000

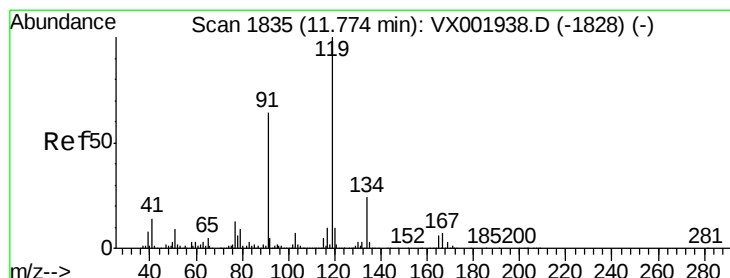
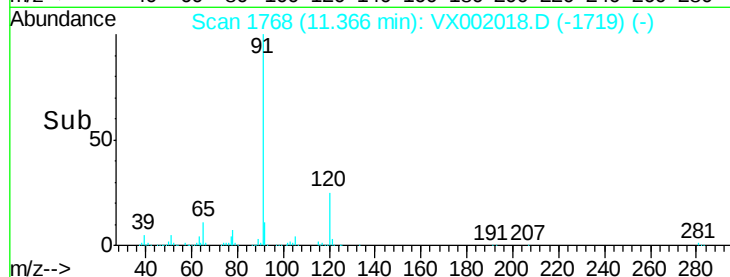
60000

40000

20000

0

Time--> 11.30 11.35 11.40



#83

tert-Butylbenzene

Concen: 1.22 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX002018.D

Acq: 26 May 2018 14:48

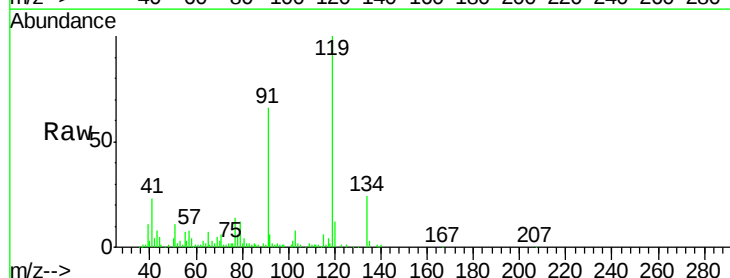
Tgt Ion: 119 Resp: 21241

Ion Ratio Lower Upper

119 100

91 68.3 30.6 91.8

134 25.1 11.7 35.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V

11.77

20000

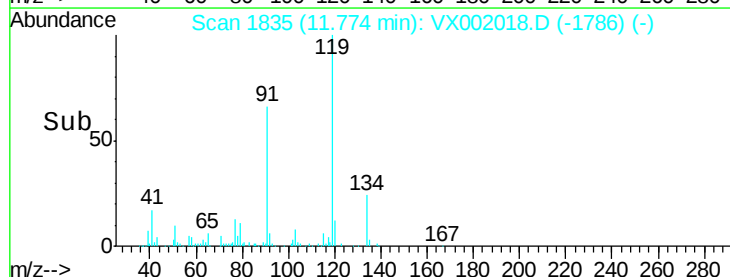
15000

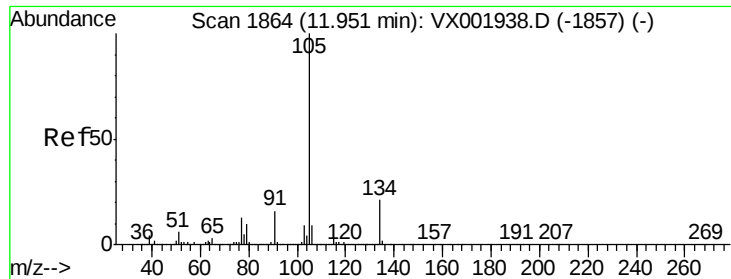
10000

5000

0

Time--> 11.70 11.75 11.80 11.85





#85

sec-Butylbenzene

Concen: 2.64 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002018.D

Acq: 26 May 2018 14:48

Instrument :

MSVOA_X

ClientSampled :

MW-17

Tot Ion: 105 Resp: 55327

Ion Ratio Lower Upper

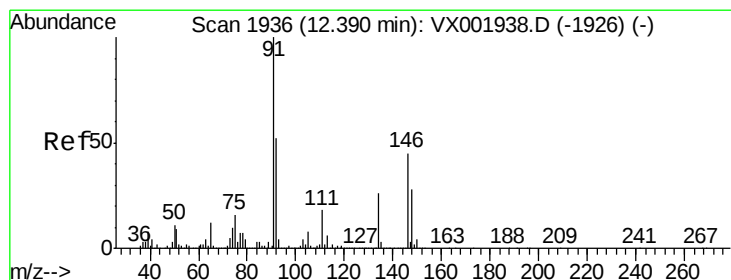
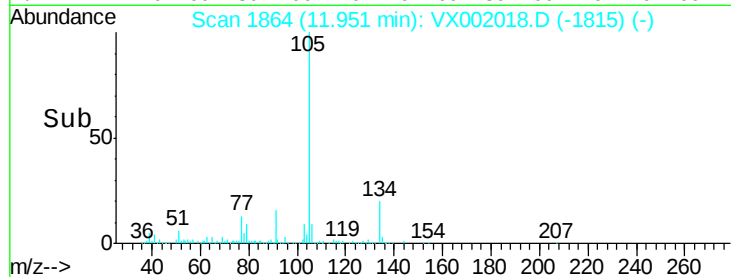
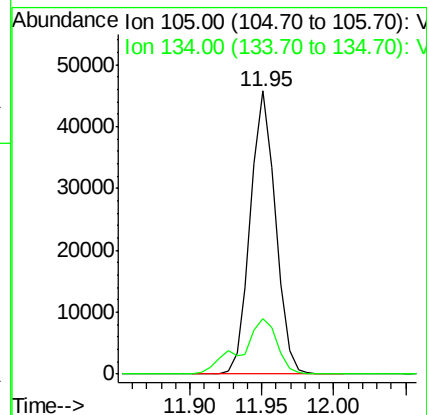
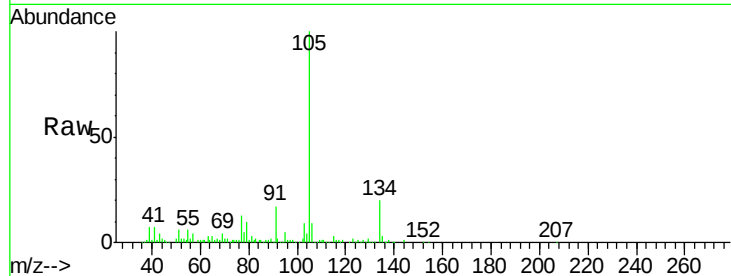
105 100

134 28.2 10.4 31.4

Manual Integrations
APPROVED

MMDadoda

5/30/2018 1:50:08 PM



#89

n-Butylbenzene

Concen: 1.37 ug/l m

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002018.D

Acq: 26 May 2018 14:48

Tgt Ion: 91 Resp: 21663

Ion Ratio Lower Upper

91 100

92 56.2 26.3 78.9

134 87.1 13.6 40.7#

