

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031318\
 Data File : VX000311.D
 Acq On : 13 Mar 2018 20:02
 Operator : JC/MD
 Sample : J1886-01 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 13118

Manual Integrations
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 3/14/2018 2:11:56 PM

Quant Time: Mar 14 01:38:01 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	134515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	259491	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	278329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	176985	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.09	65	86090	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	
35) Dibromofluoromethane	5.53	113	60339	37.02	ug/l	0.01
Spiked Amount			Recovery	=	74.04%	
50) Toluene-d8	8.73	98	322105	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
62) 4-Bromofluorobenzene	11.15	95	128347	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.20	74	1313640	1293.65	ug/l	99
11) Tert butyl alcohol	3.20	59	42684321m	62297.55	ug/l	
16) Acetone	2.46	43	9724120	7261.56	ug/l	95
18) Methyl Acetate	2.79	43	779633	273.38	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	45322283m	8970.50	ug/l	
22) Diisopropyl ether	3.89	45	1528258	339.57	ug/l	90
25) 2-Butanone	4.73	43	1259017	761.84	ug/l	97
29) Tetrahydrofuran	5.20	42	67552	65.08	ug/l	# 87
37) Ethyl Acetate	4.89	43	628949	188.49	ug/l	99
40) Benzene	6.16	78	1687737	253.45	ug/l	98
51) 4-Methyl-2-Pentanone	8.67	43	504231	138.47	ug/l	95
52) Toluene	8.80	92	2311912	506.55	ug/l	99
59) 2-Hexanone	9.51	43	179537	57.82	ug/l	84
67) Ethyl Benzene	10.26	91	1403039	143.02	ug/l	99
68) m/p-Xylenes	10.37	106	2686967	711.67	ug/l	95
69) o-Xylene	10.71	106	1551497	427.55	ug/l	97
73) Isopropylbenzene	11.03	105	304593	27.49	ug/l	98
78) n-propylbenzene	11.37	91	602879	46.23	ug/l	100
80) 1,3,5-Trimethylbenzene	11.52	105	1461240	157.95	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	7162203	752.83	ug/l	97
85) sec-Butylbenzene	11.96	105	64587m	5.67	ug/l	
95) Naphthalene	13.85	128	4229974	308.99	ug/l	100

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

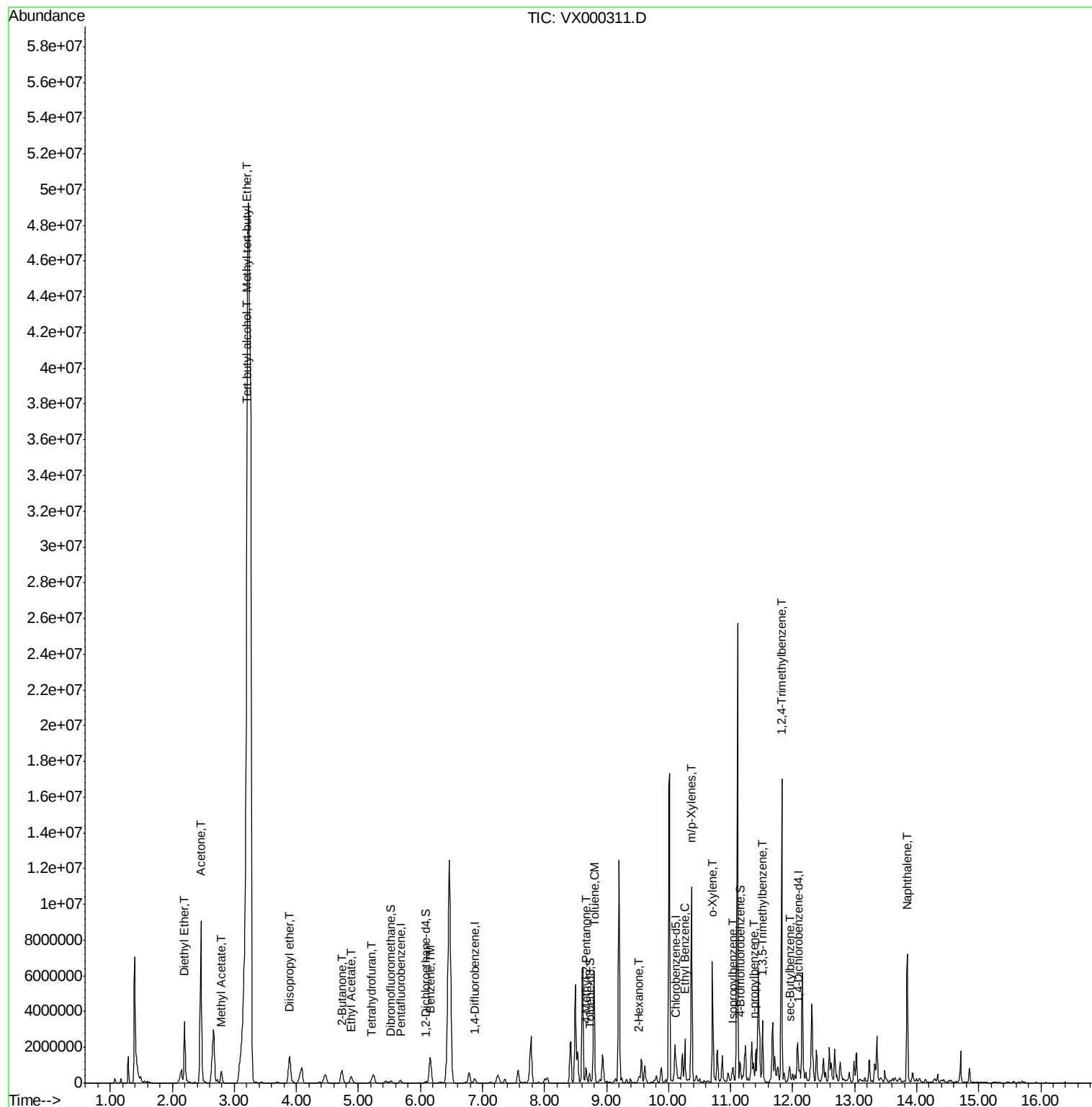
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031318\
Data File : VX000311.D
Acq On : 13 Mar 2018 20:02
Operator : JC/MD
Sample : J1886-01 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 1 Sample Multiplier: 1

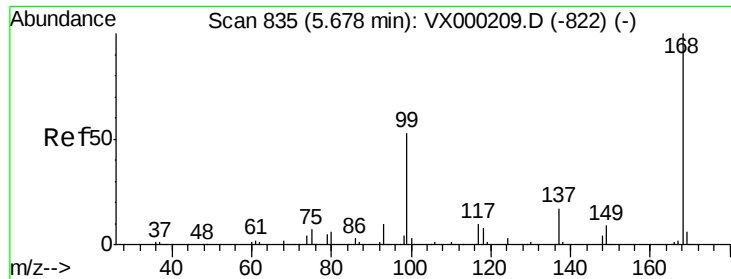
Instrument :
MSVOA_X
ClientSampleId :
13118

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Quant Time: Mar 14 01:38:01 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 08 02:15:47 2018
Response via : Initial Calibration





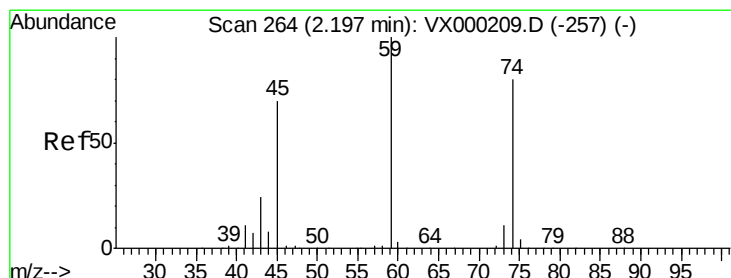
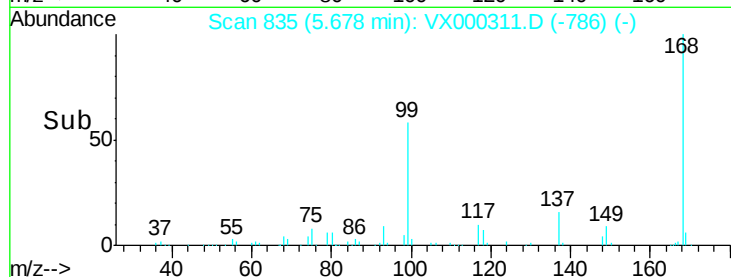
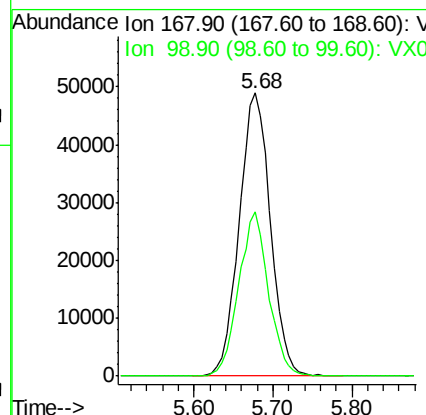
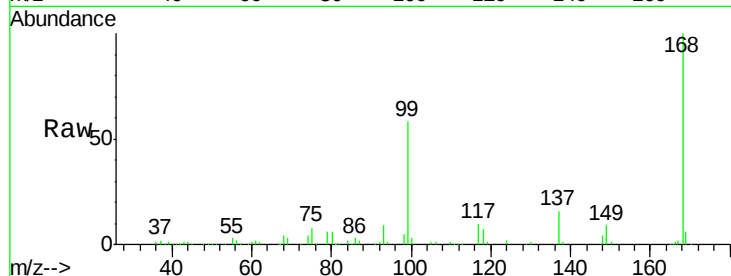
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.00 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Instrument :
MSVOA_X
ClientSampled :
13118

Tot Ion	Ratio	Lower	Upper
168	100		
99	58.0	42.8	64.2

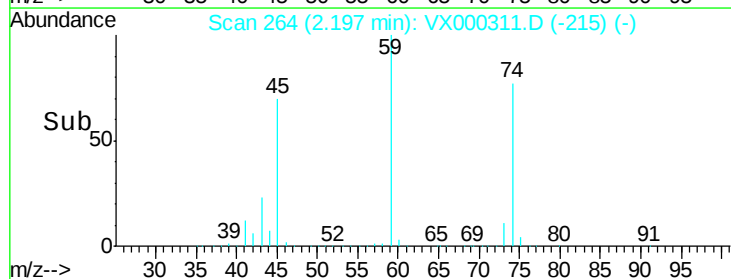
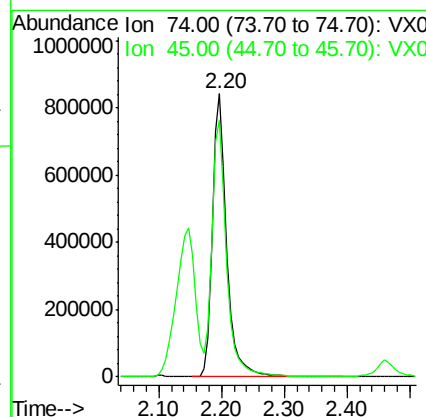
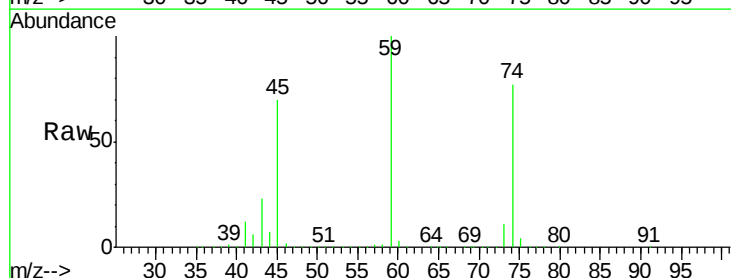
Manual Integrations
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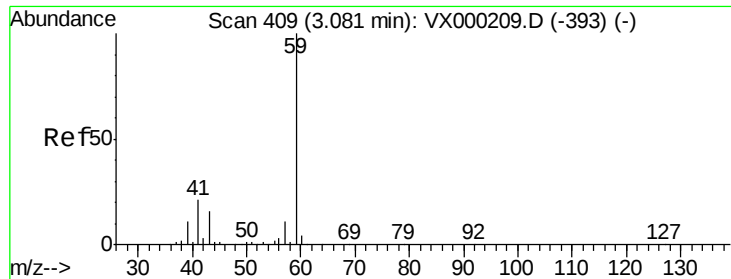
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#8
Diethyl Ether
Concen: 1293.65 ug/l
RT: 2.20 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.0	47.2	141.6





#11

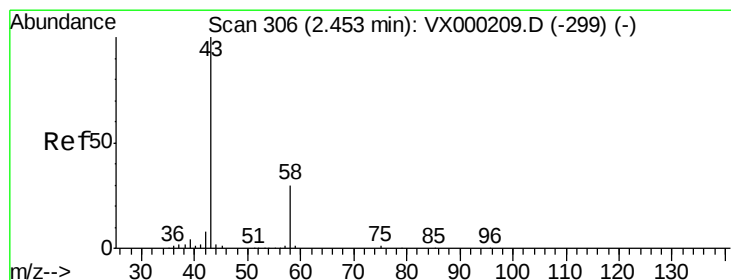
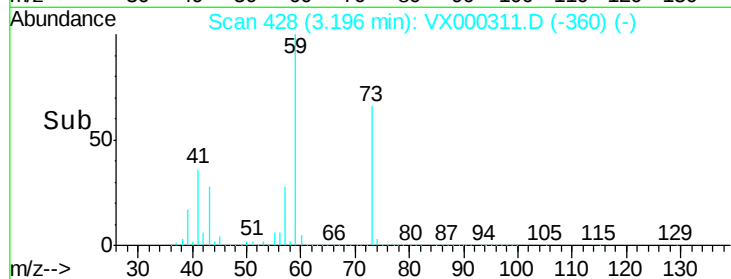
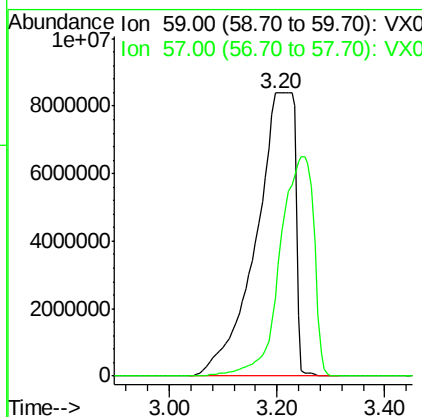
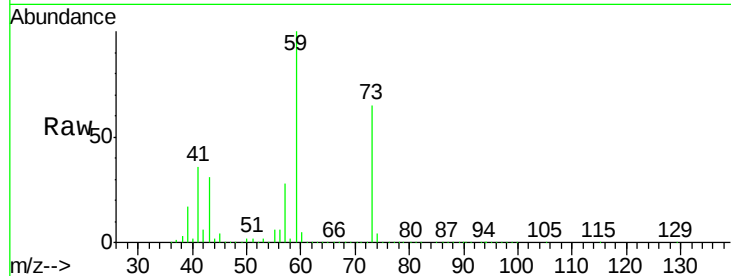
Tert butyl alcohol
Concen: 62297.55 ug/l m
RT: 3.20 min Scan# 428
Delta R.T. 0.12 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Instrument :
MSVOA_X
ClientSampleId :
13118

Tot Ion: 59 Resp: 42684321
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

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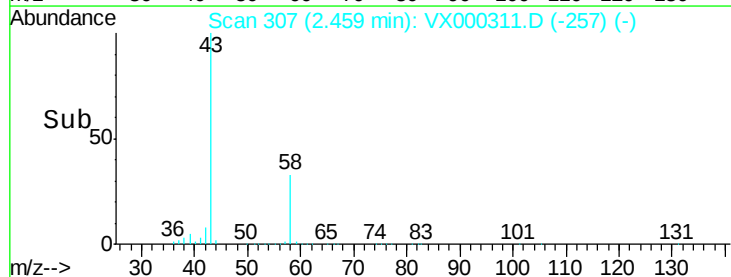
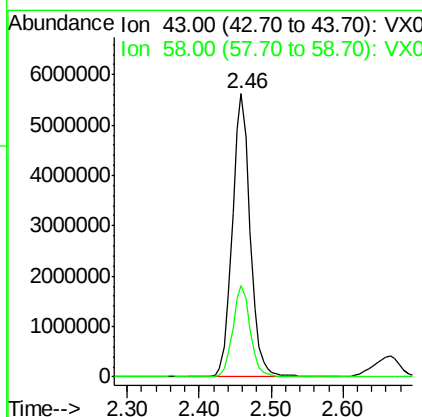
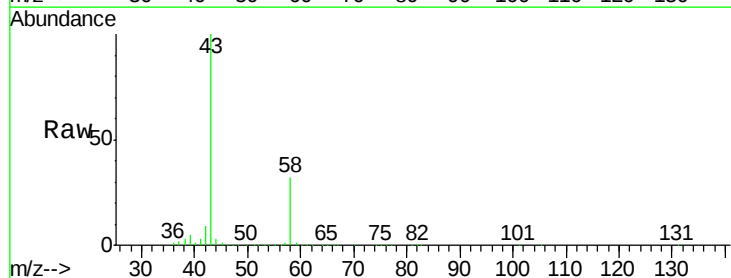
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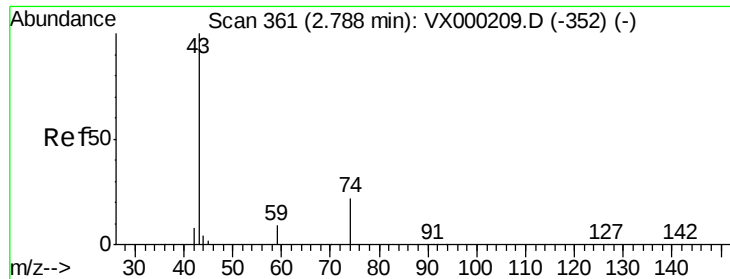


#16

Acetone
Concen: 7261.56 ug/l
RT: 2.46 min Scan# 307
Delta R.T. 0.01 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Tgt Ion: 43 Resp: 9724120
Ion Ratio Lower Upper
43 100
58 32.3 23.8 35.6





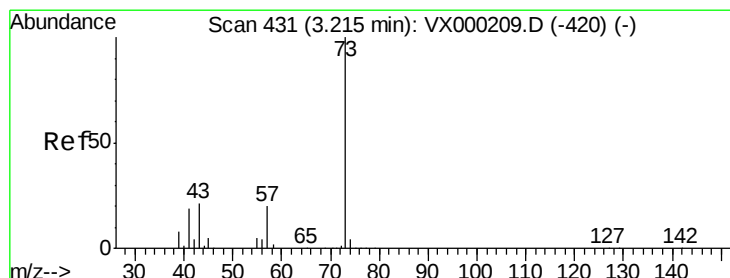
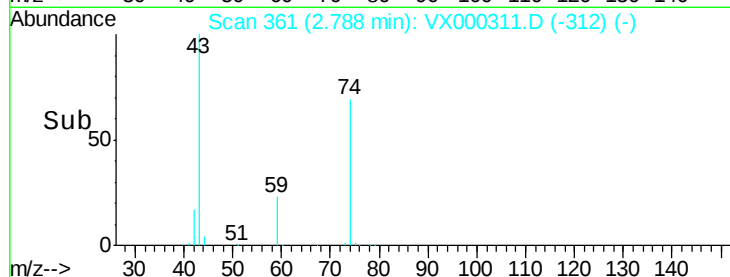
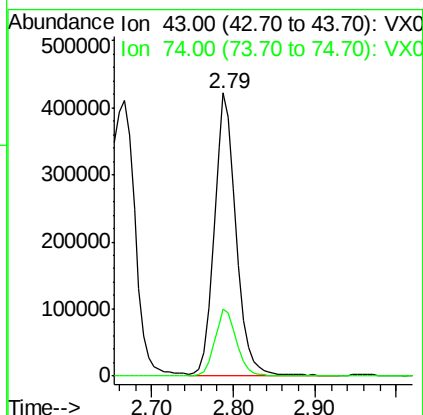
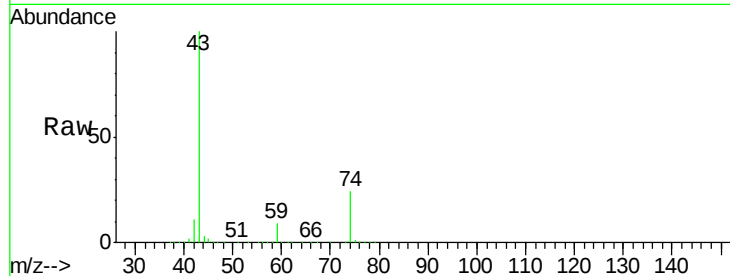
#18
Methyl Acetate
Concen: 273.38 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.00 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Instrument :
MSVOA_X
ClientSampled :
13118

Tot Ion: 43 Resp: 779633
Ion Ratio Lower Upper
43 100
74 23.9 18.9 28.3

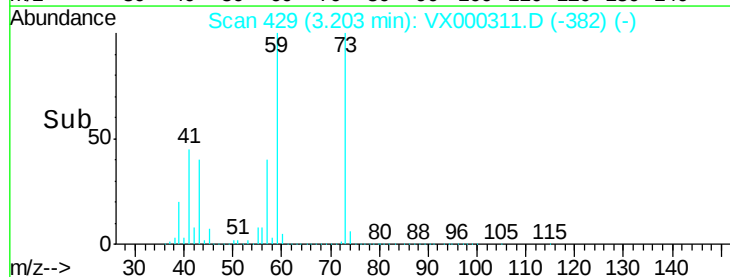
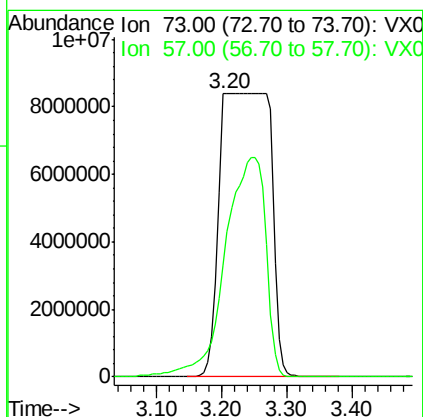
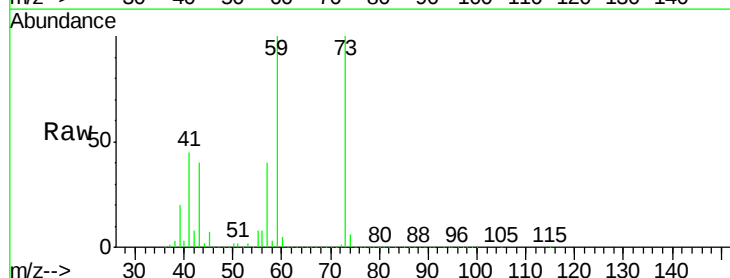
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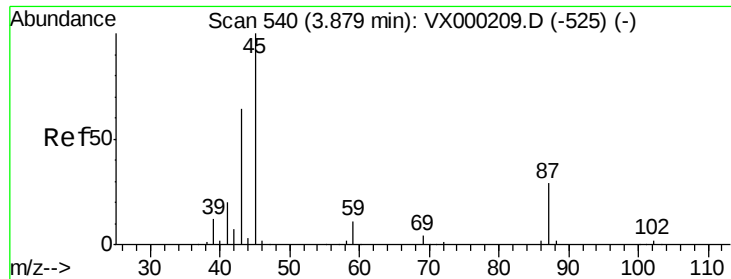
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#19
Methyl tert-butyl Ether
Concen: 8970.50 ug/l m
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Tgt Ion: 73 Resp: 45322283
Ion Ratio Lower Upper
73 100
57 39.6 16.3 24.5#

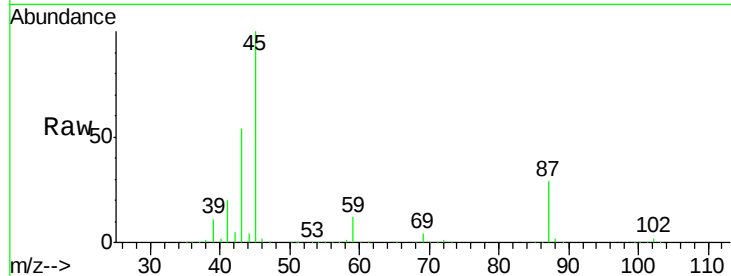




#22

Diisopropyl ether
Concen: 339.57 ug/l
RT: 3.89 min Scan# 542
Delta R.T. 0.01 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

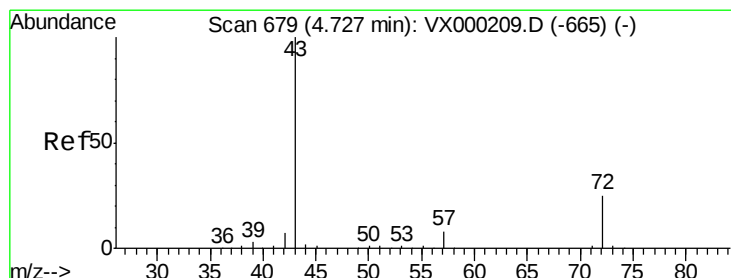
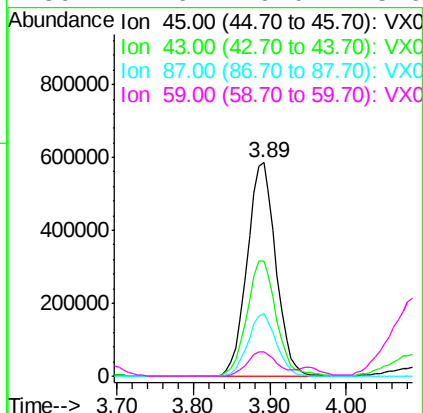
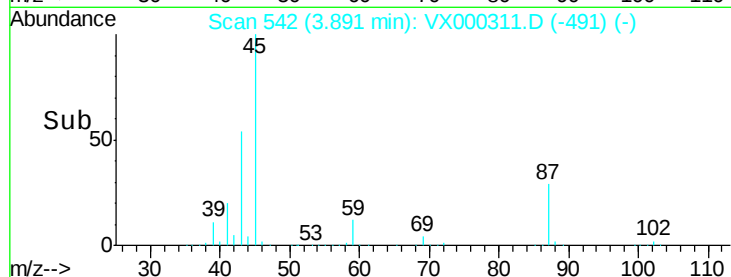
Instrument :
MSVOA_X
ClientSampled :
13118



Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	54.0	53.5	80.3	
87	29.2	23.3	34.9	
59	11.6	9.0	13.6	

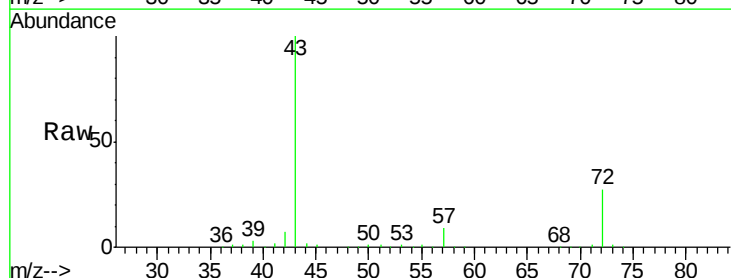
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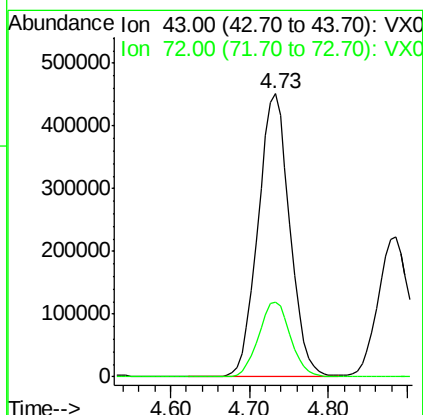
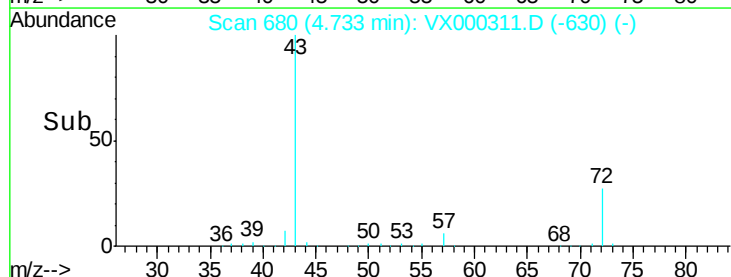


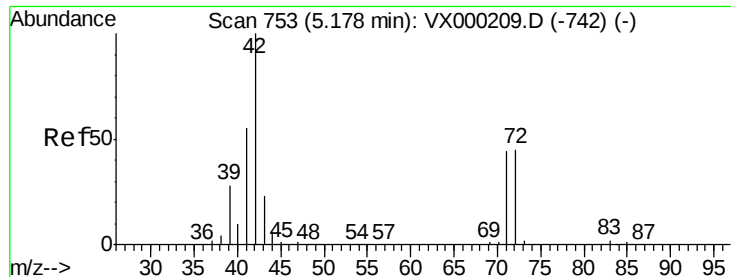
#25

2-Butanone
Concen: 761.84 ug/l
RT: 4.73 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02



Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
72	26.6	20.2	30.2	





#29

Tetrahydrofuran

Concen: 65.08 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Instrument :

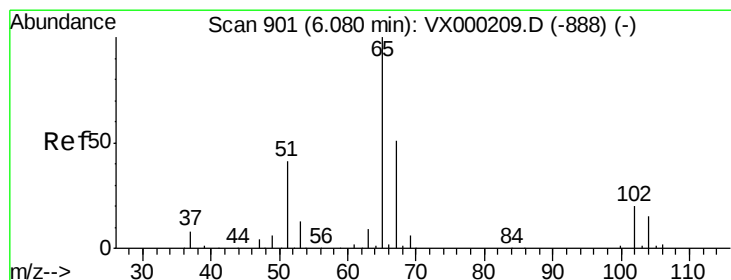
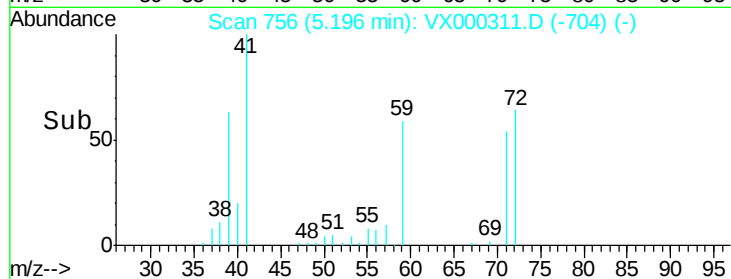
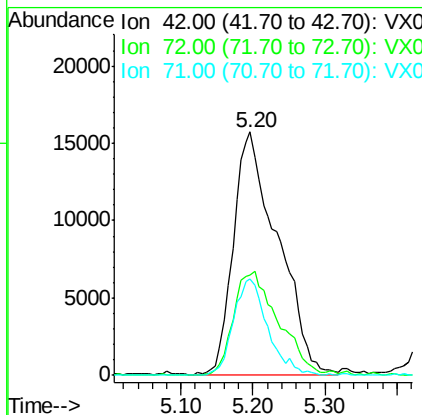
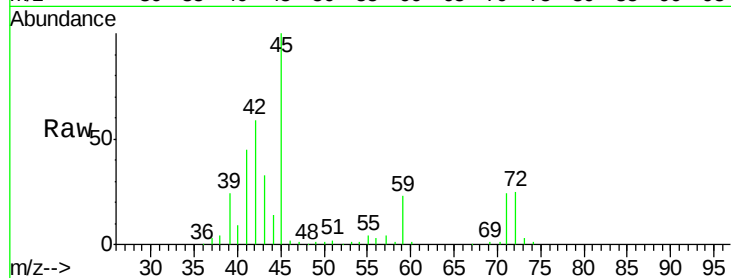
MSVOA_X

ClientSampleId :
13118

Tot Ion:	42	Resp:	67552
Ion	Ratio	Lower	Upper
42	100		
72	43.0	37.3	55.9
71	30.6	35.0	52.4#

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#33

1,2-Dichloroethane-d4

Concen: 46.17 ug/l

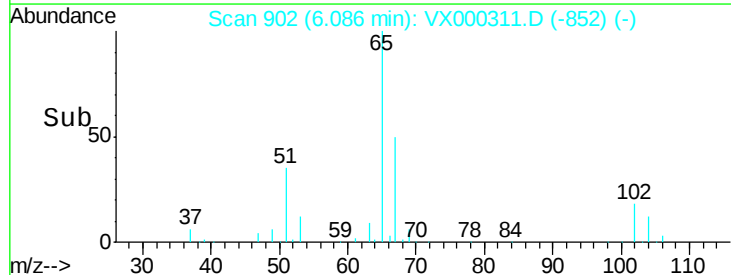
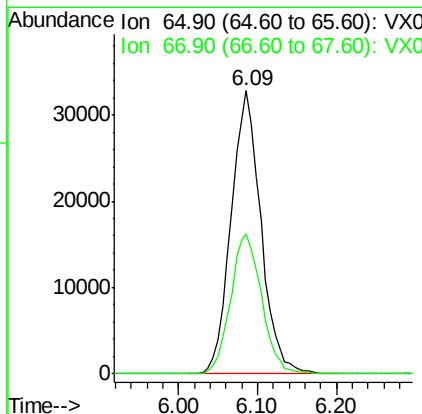
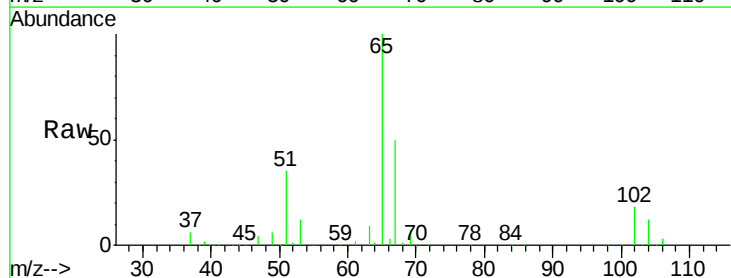
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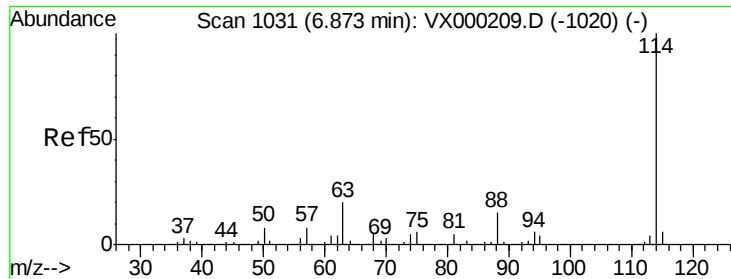
Delta R.T. 0.01 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Tgt Ion:	65	Resp:	86090
Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.4





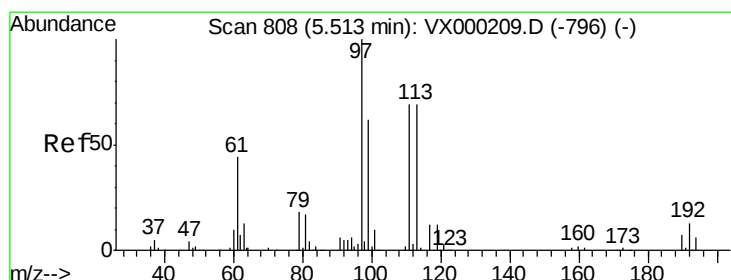
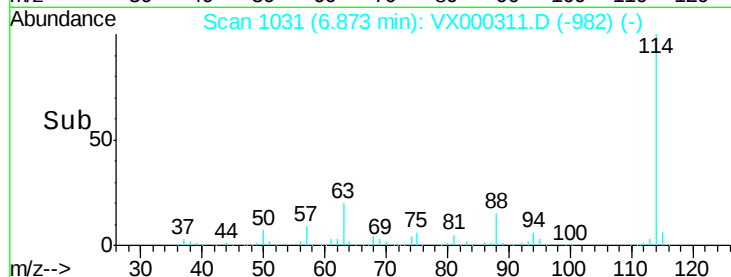
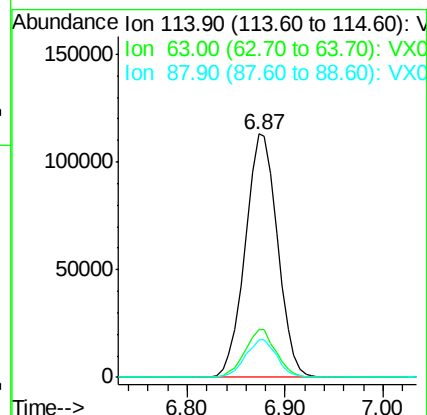
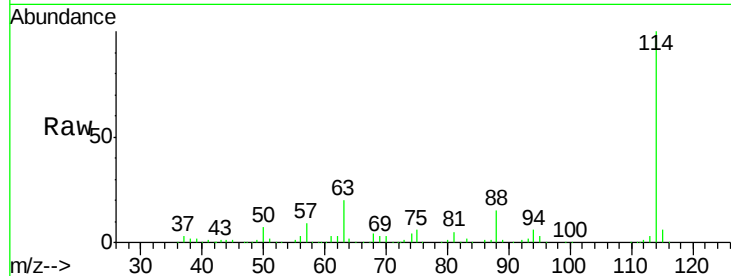
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 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000311.D
 Acq: 13 Mar 2018 20:02

Instrument :
 MSVOA_X
 ClientSampled :
 13118

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	19.7	0.0	39.2
88	15.5	0.0	29.8

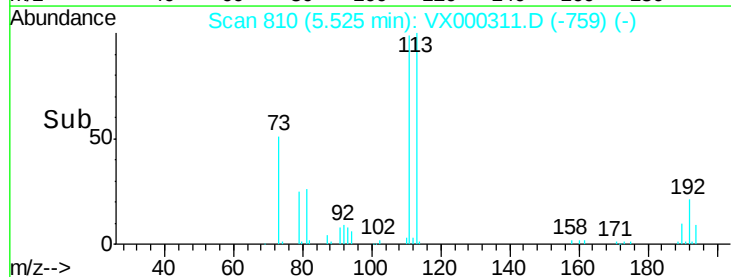
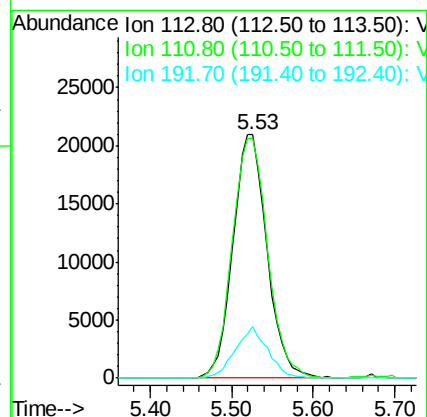
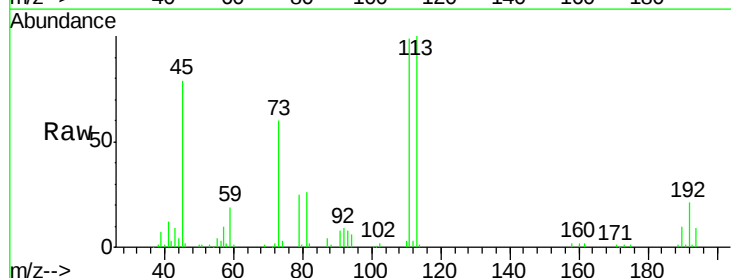
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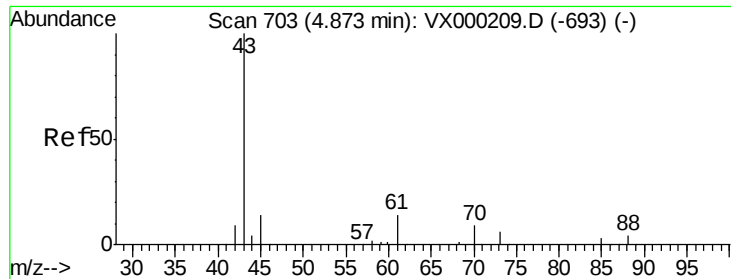
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#35
 Dibromofluoromethane
 Concen: 37.02 ug/l
 RT: 5.53 min Scan# 810
 Delta R.T. 0.01 min
 Lab File: VX000311.D
 Acq: 13 Mar 2018 20:02

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.6	83.0	124.6
192	20.0	15.5	23.3





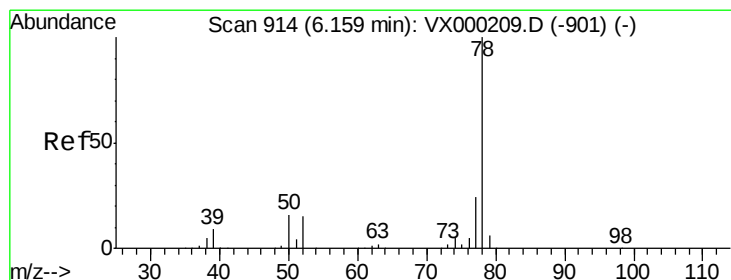
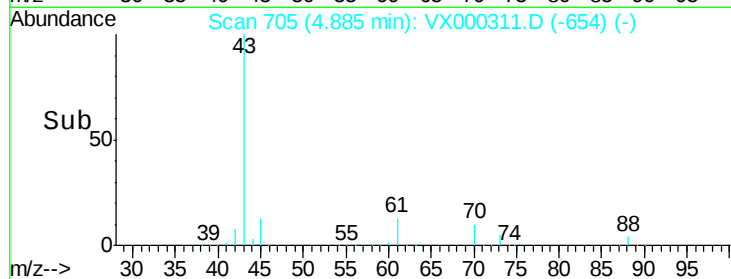
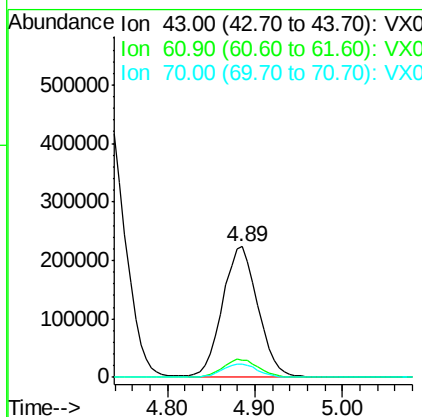
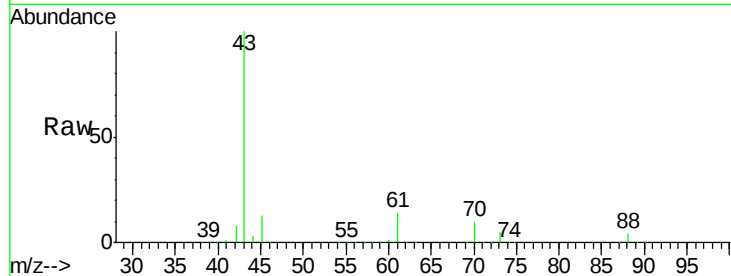
#37
Ethyl Acetate
Concen: 188.49 ug/l
RT: 4.89 min Scan# 705
Delta R.T. 0.01 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Instrument :
MSVOA_X
ClientSampled :
13118

Tot Ion	43	61	70
Resp	628949		
Ratio	100	14.1	10.1
Lower		11.0	7.8
Upper		16.6	11.6

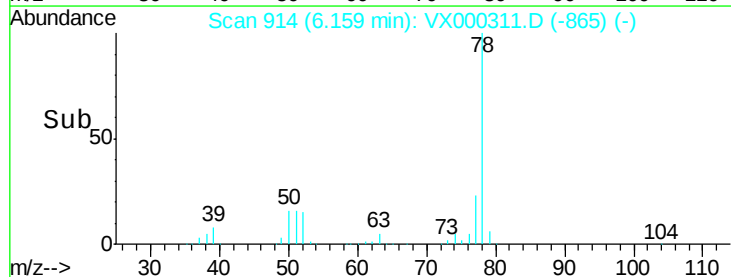
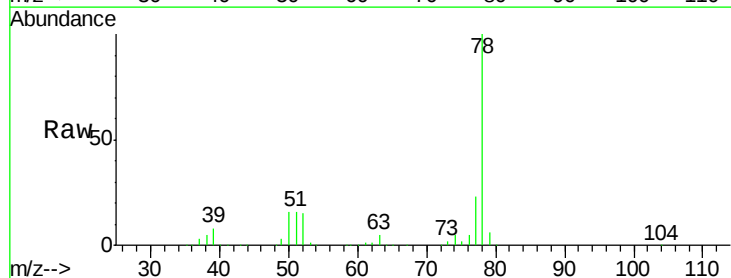
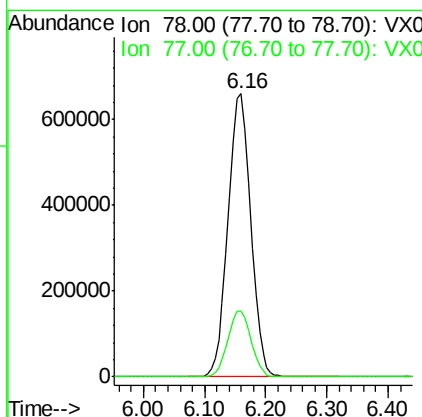
Manual Integrations
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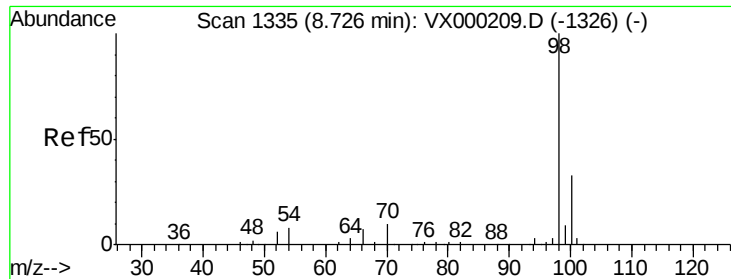
sam
3/14/2018 2:11:56 PM



#40
Benzene
Concen: 253.45 ug/l
RT: 6.16 min Scan# 914
Delta R.T. 0.00 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Tgt Ion	78	77
Resp	1687737	
Ratio	100	23.2
Lower		19.4
Upper		29.2





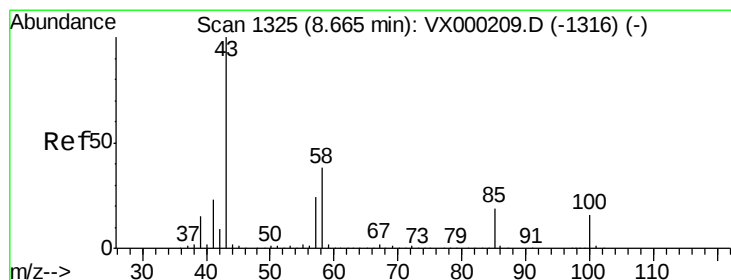
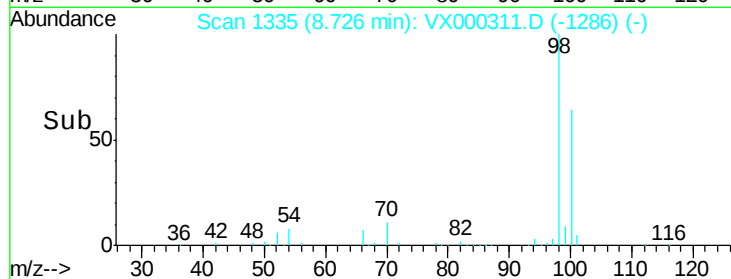
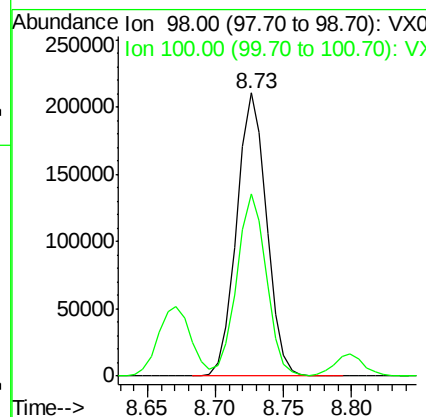
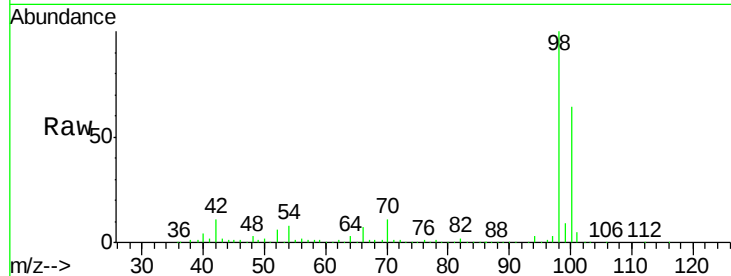
#50
Toluene-d8
Concen: 47.71 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Instrument :
MSVOA_X
ClientSampleId :
13118

Tot Ion: 98 Resp: 322105
Ion Ratio Lower Upper
98 100
100 63.0 51.2 76.8

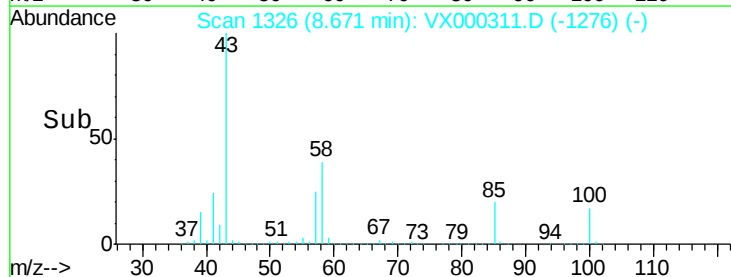
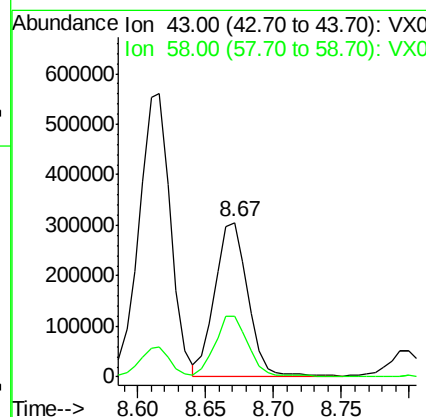
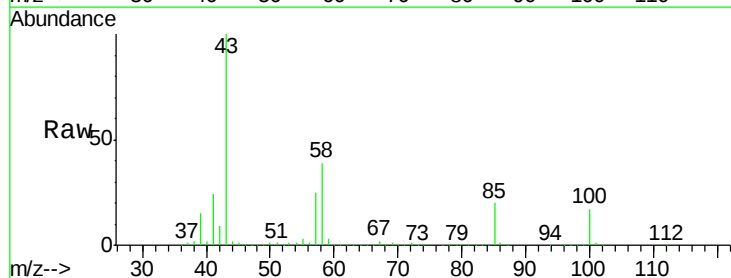
Manual Integrations
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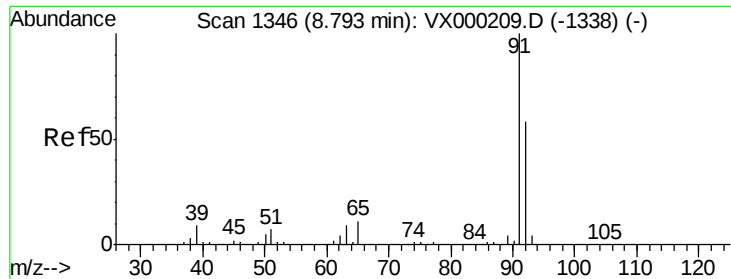
sam
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#51
4-Methyl-2-Pentanone
Concen: 138.47 ug/l
RT: 8.67 min Scan# 1326
Delta R.T. 0.01 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Tgt Ion: 43 Resp: 504231
Ion Ratio Lower Upper
43 100
58 40.8 30.2 45.2





#52

Toluene

Concen: 506.55 ug/l

RT: 8.80 min Scan# 1347

Delta R.T. 0.01 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Instrument :

MSVOA_X

ClientSampled :
13118

Tot Ion: 92 Resp: 2311912

Ion Ratio Lower Upper

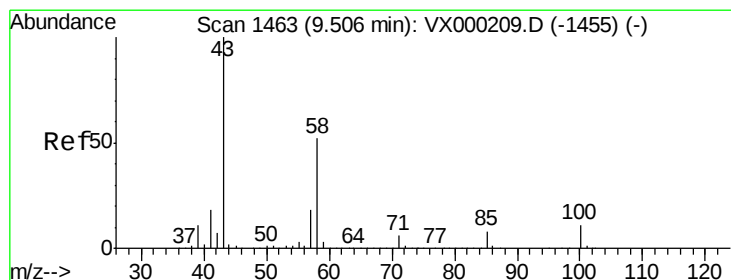
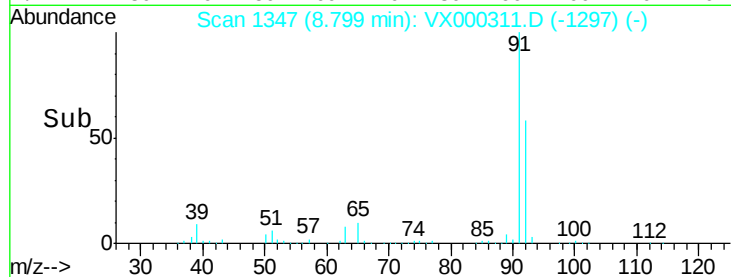
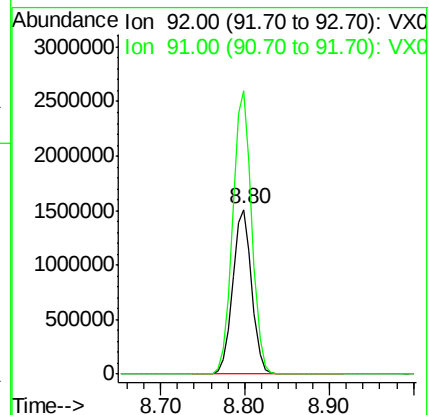
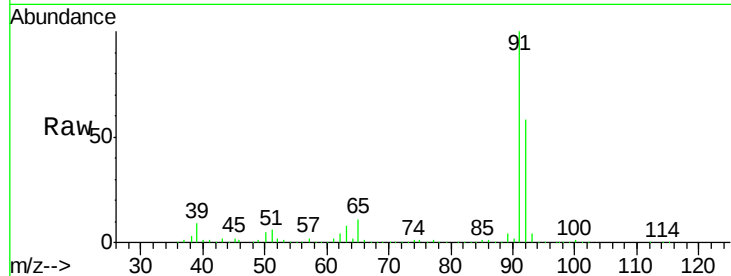
92 100

91 172.6 139.0 208.6

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#59

2-Hexanone

Concen: 57.82 ug/l

RT: 9.51 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VX000311.D

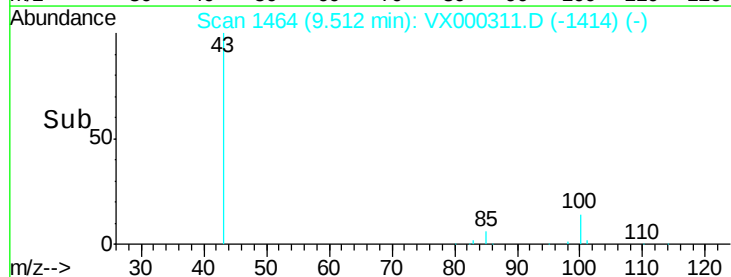
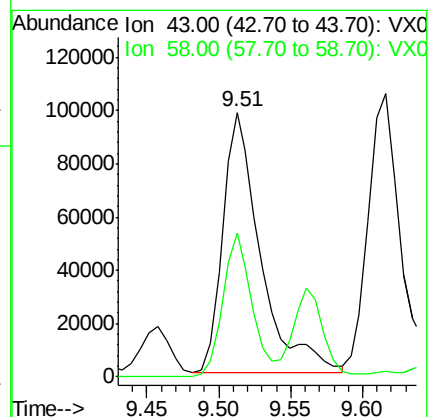
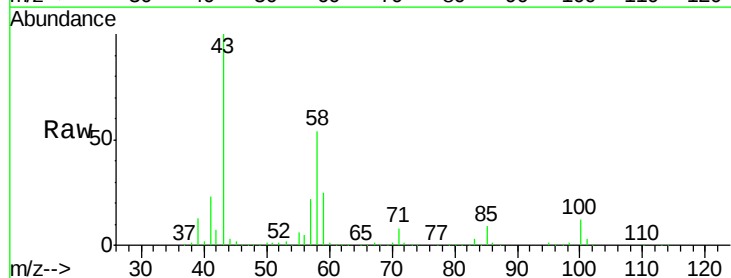
Acq: 13 Mar 2018 20:02

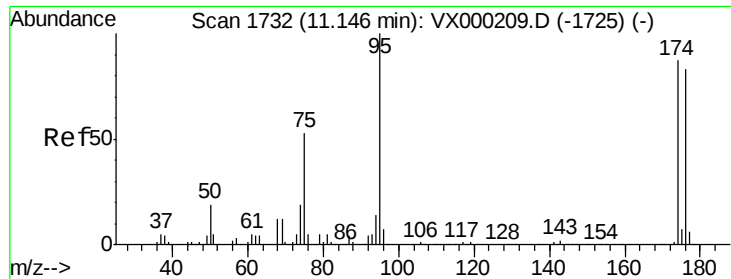
Tgt Ion: 43 Resp: 179537

Ion Ratio Lower Upper

43 100

58 41.9 26.6 79.7





#62

4-Bromofluorobenzene

Concen: 48.71 ug/l

RT: 11.15 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Instrument :

MSVOA_X

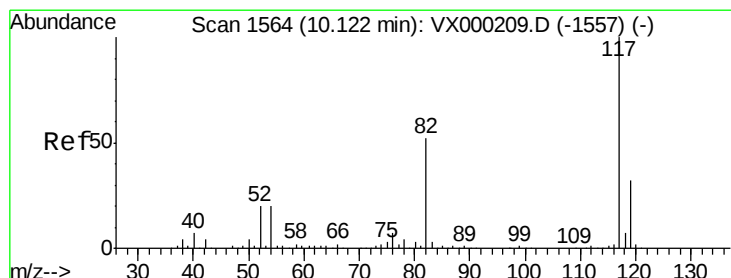
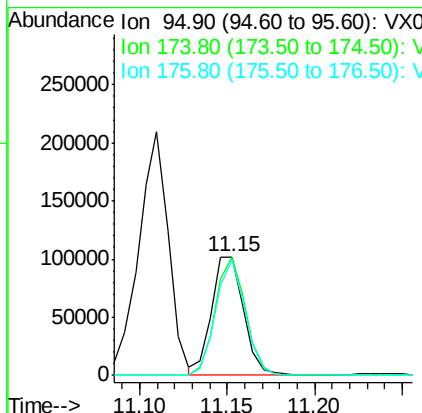
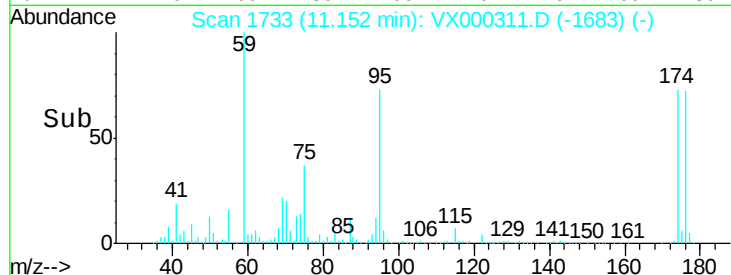
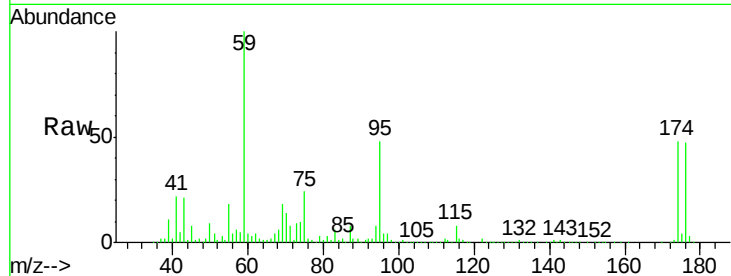
ClientSampled :

13118

Tot Ion:	95	Resp:	128347
Ion Ratio	Lower	Upper	
95	100		
174	95.0	0.0	175.6
176	90.9	0.0	171.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

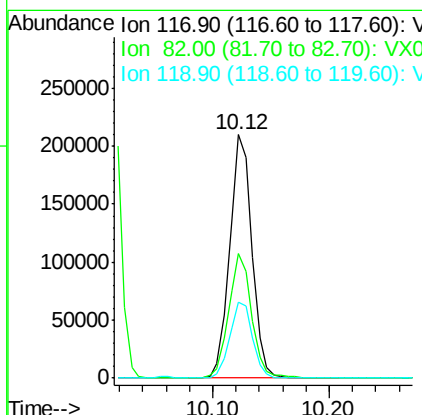
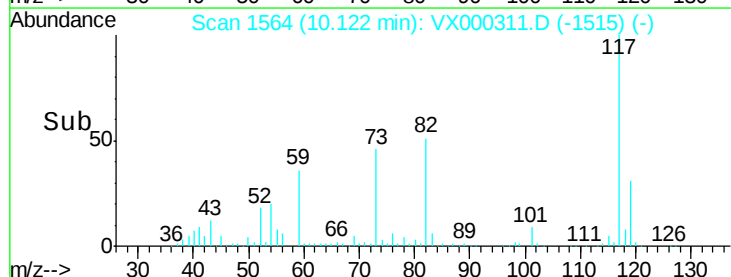
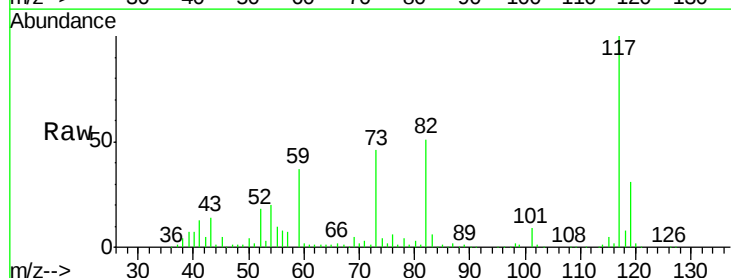
RT: 10.12 min Scan# 1564

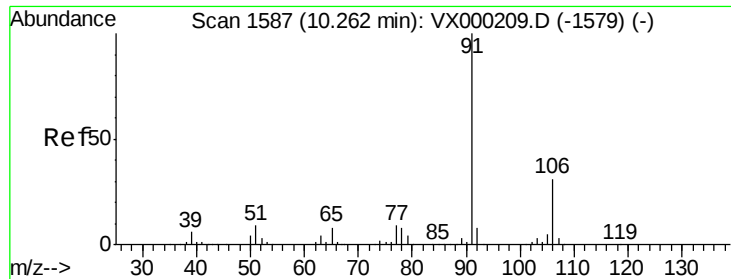
Delta R.T. 0.00 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Tgt Ion:	117	Resp:	278329
Ion Ratio	Lower	Upper	
117	100		
82	50.9	42.0	63.0
119	31.4	25.3	37.9





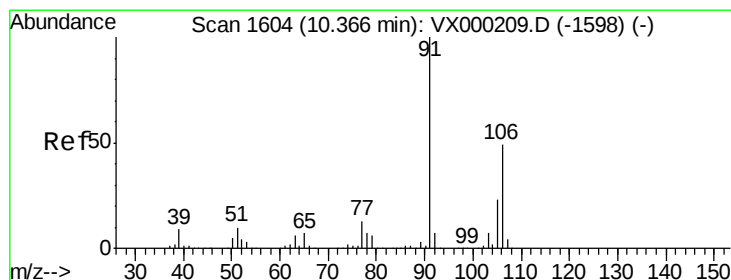
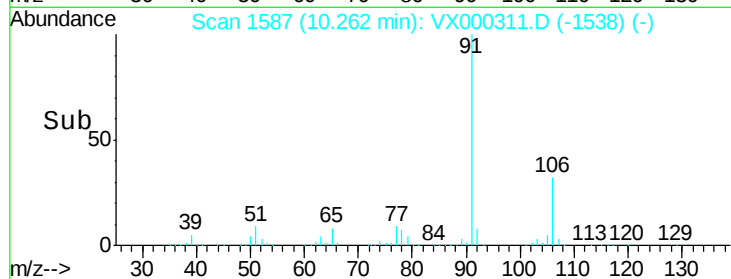
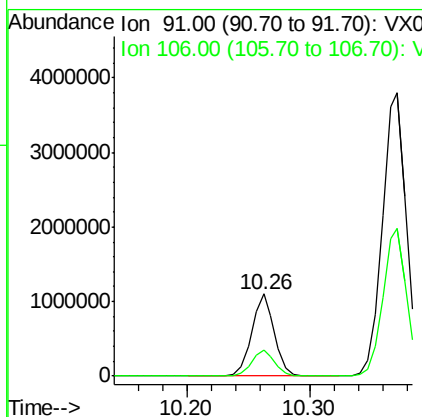
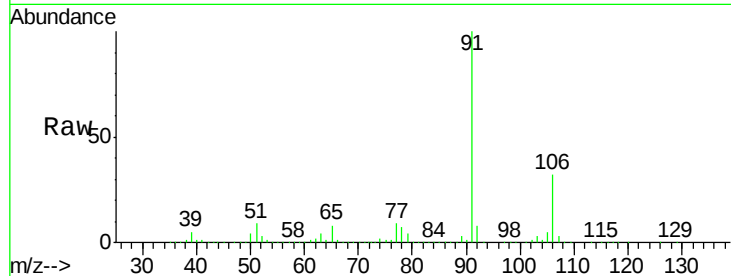
#67
Ethyl Benzene
Concen: 143.02 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Instrument :
MSVOA_X
ClientSampled :
13118

Tot Ion: 91 Resp: 1403039
Ion Ratio Lower Upper
91 100
106 32.2 25.2 37.8

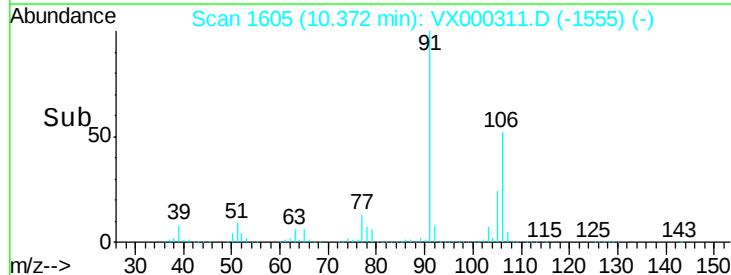
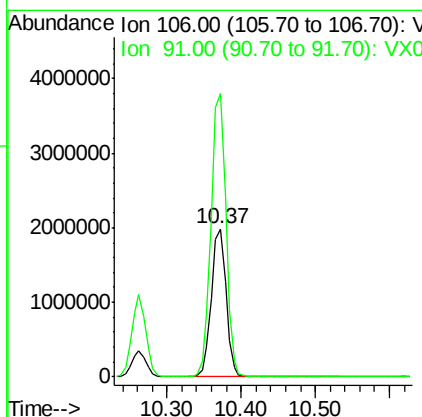
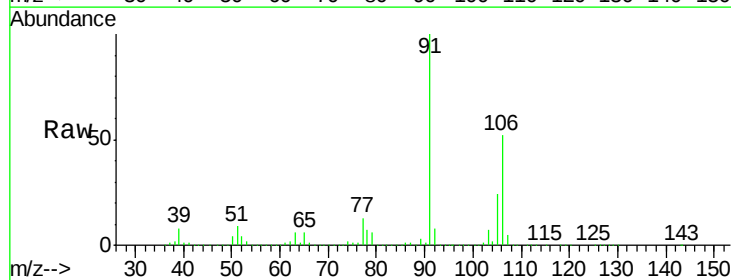
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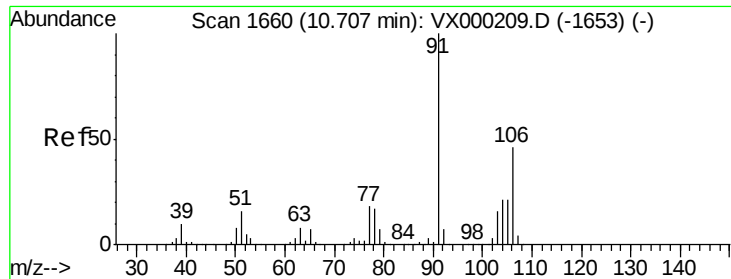
sam
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#68
m/p-Xylenes
Concen: 711.67 ug/l
RT: 10.37 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Tgt Ion: 106 Resp: 2686967
Ion Ratio Lower Upper
106 100
91 194.2 160.9 241.3





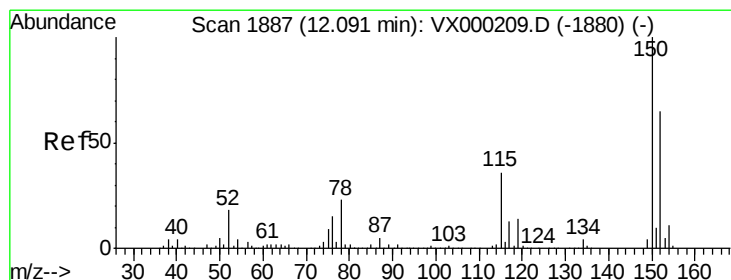
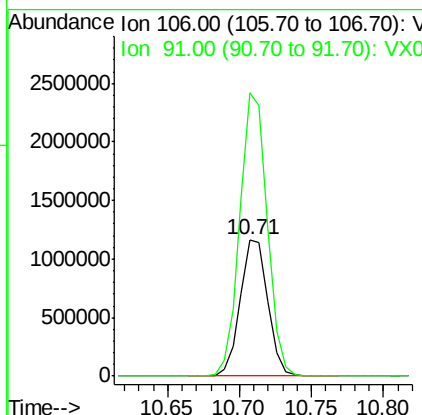
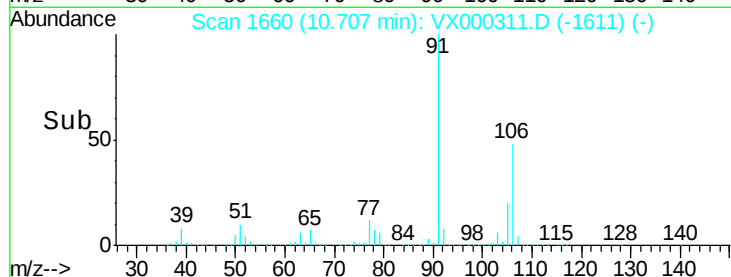
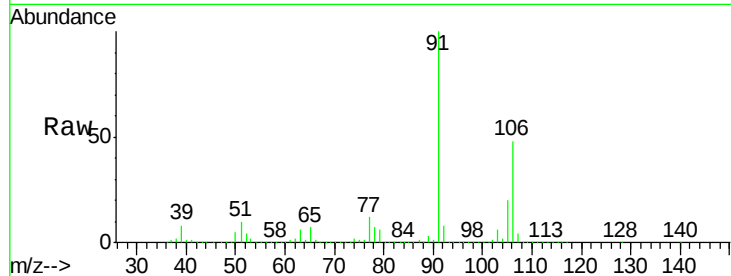
#69
o-Xylene
Concen: 427.55 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Instrument :
MSVOA_X
ClientSampled :
13118

Tot Ion:106 Resp: 1551497
Ion Ratio Lower Upper
106 100
91 206.5 105.9 317.7

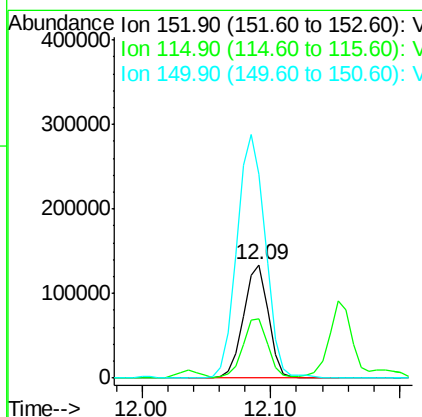
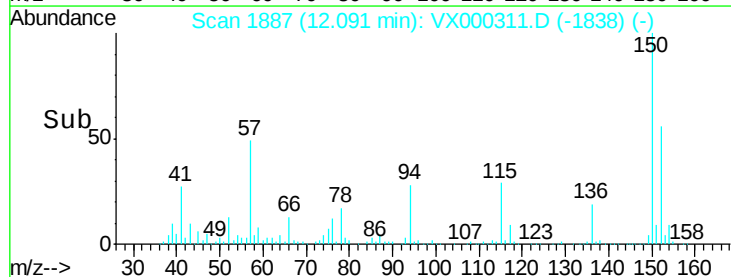
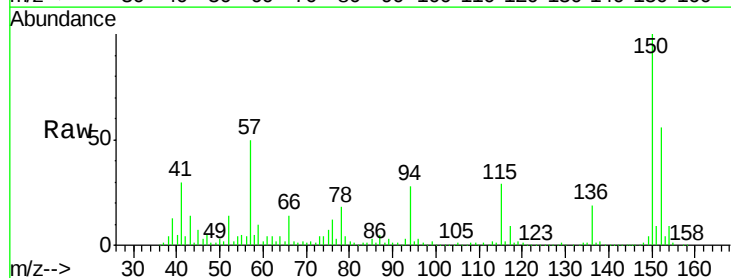
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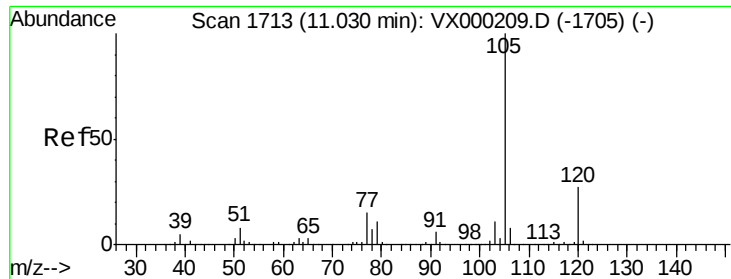
sam
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Tgt Ion:152 Resp: 176985
Ion Ratio Lower Upper
152 100
115 51.0 39.8 119.3
150 248.3 0.0 345.0





#73

Isopropylbenzene

Concen: 27.49 ug/l

RT: 11.03 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Instrument :

MSVOA_X

ClientSampled :
13118

Tot Ion: 105 Resp: 304593

Ion Ratio Lower Upper

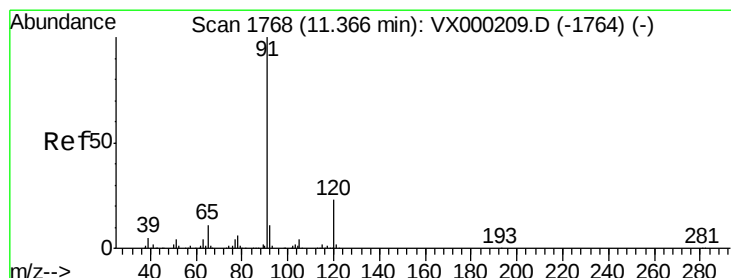
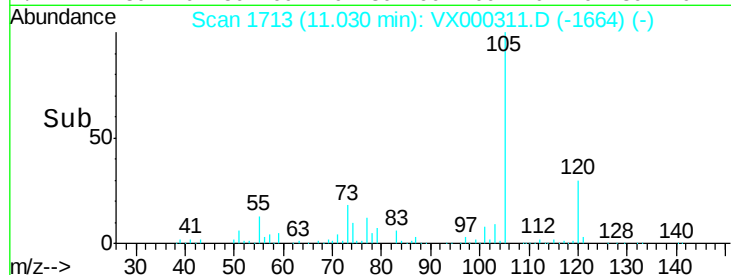
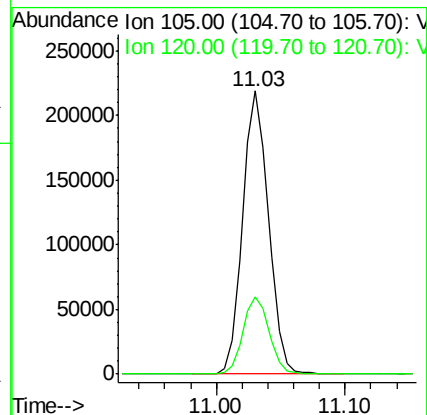
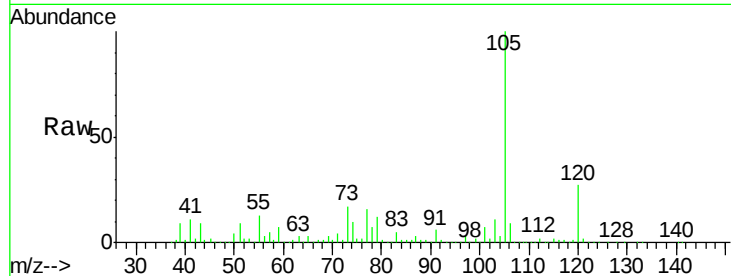
105 100

120 27.7 13.5 40.4

Manual Integrations
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#78

n-propylbenzene

Concen: 46.23 ug/l

RT: 11.37 min Scan# 1769

Delta R.T. 0.01 min

Lab File: VX000311.D

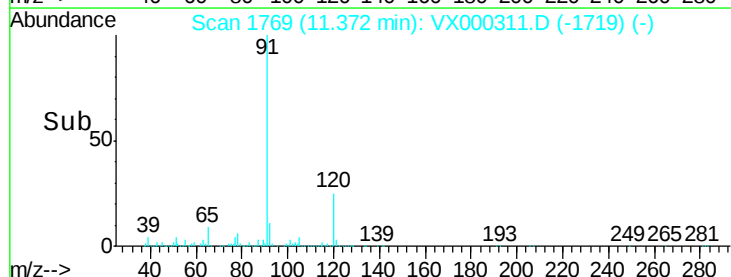
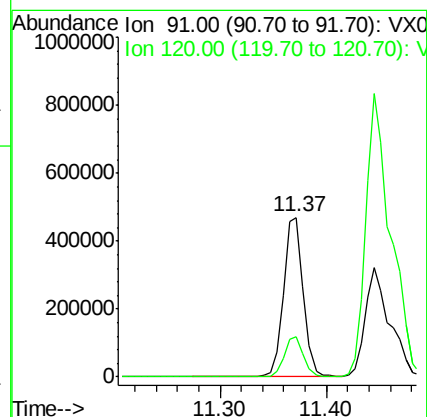
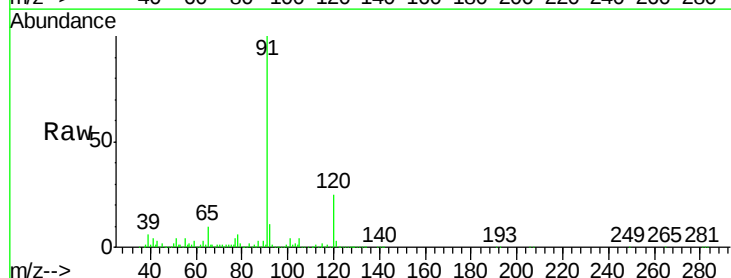
Acq: 13 Mar 2018 20:02

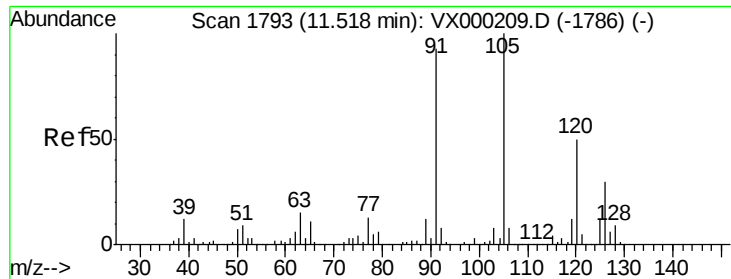
Tgt Ion: 91 Resp: 602879

Ion Ratio Lower Upper

91 100

120 24.4 12.2 36.4





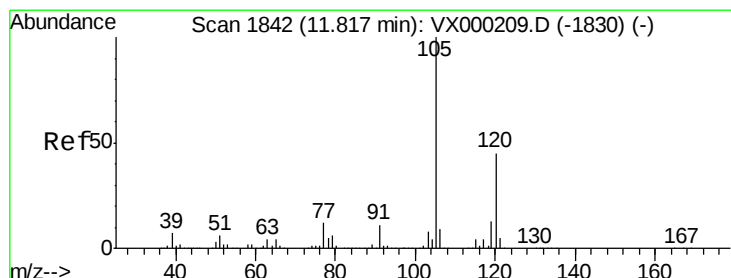
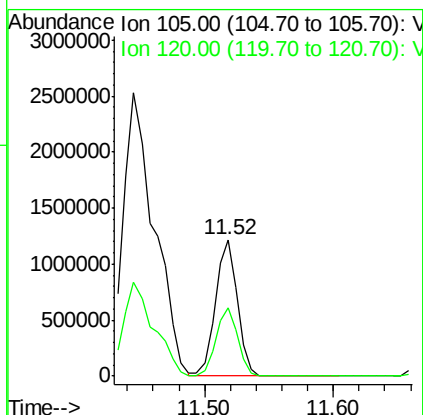
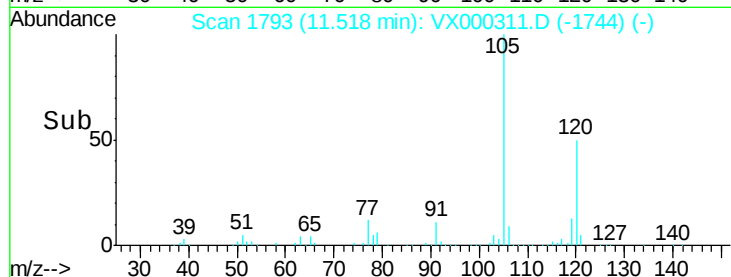
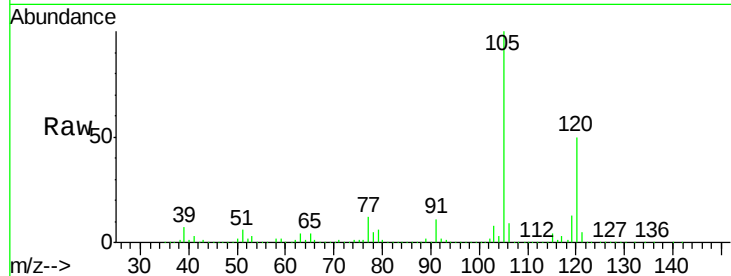
#80
 1,3,5-Trimethylbenzene
 Concen: 157.95 ug/l
 RT: 11.52 min Scan# 1793
 Delta R.T. 0.00 min
 Lab File: VX000311.D
 Acq: 13 Mar 2018 20:02

Instrument :
 MSVOA_X
 ClientSampled :
 13118

Tot Ion:105 Resp: 1461240
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.9 74.6

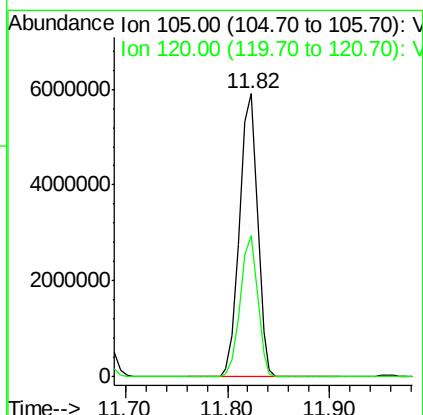
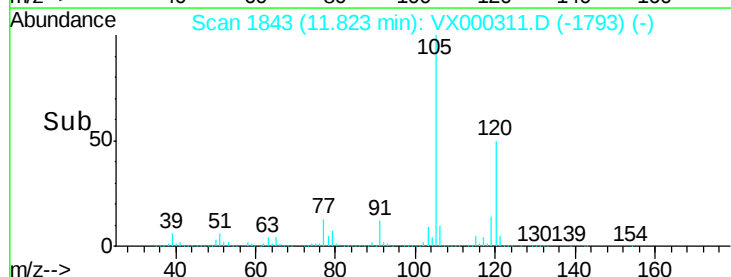
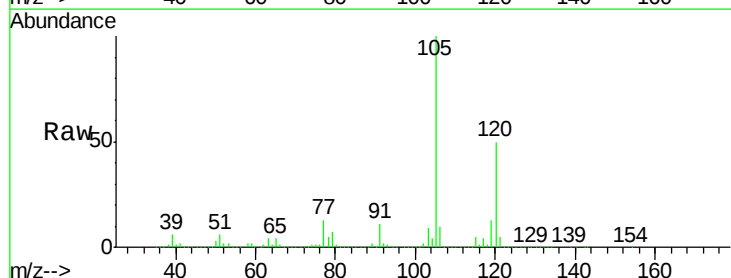
Manual Integrations
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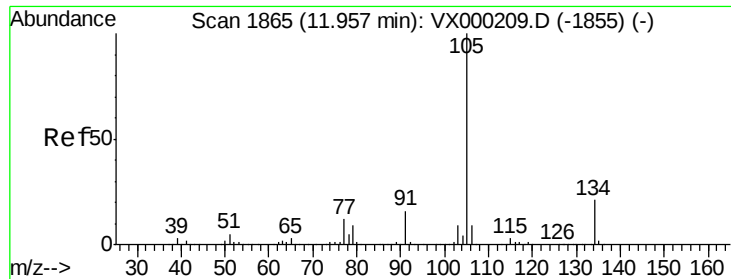
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 752.83 ug/l
 RT: 11.82 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: VX000311.D
 Acq: 13 Mar 2018 20:02

Tgt Ion:105 Resp: 7162203
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.0 69.0





#85

sec-Butylbenzene

Concen: 5.67 ug/l m

RT: 11.96 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Instrument :

MSVOA_X

ClientSampled :
13118

Tot Ion:105 Resp: 64587

Ion Ratio Lower Upper

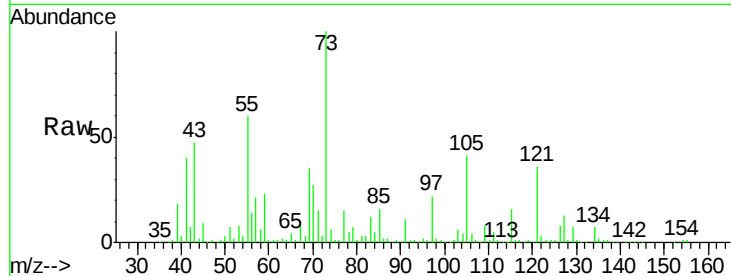
105 100

134 0.0 10.3 30.9#

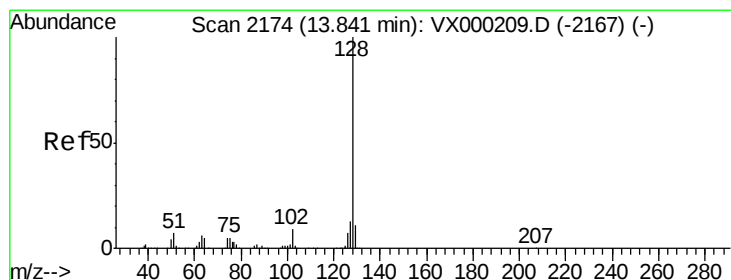
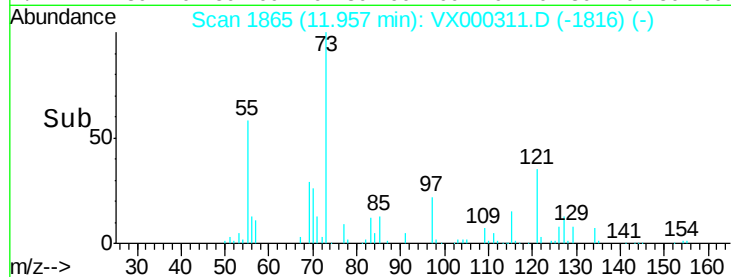
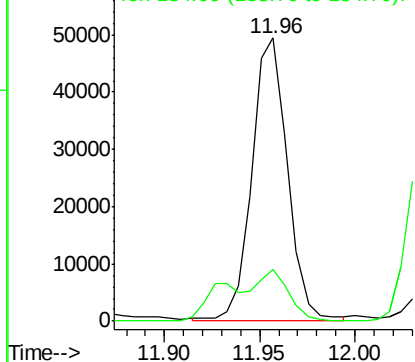
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#95

Naphthalene

Concen: 308.99 ug/l

RT: 13.85 min Scan# 2175

Delta R.T. 0.01 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

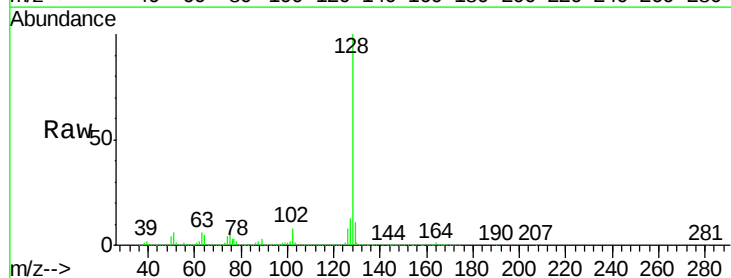
Tgt Ion:128 Resp: 4229974

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

