

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120718\
 Data File : VX006350.D
 Acq On : 07 Dec 2018 16:31
 Operator : JC/MD
 Sample : J6269-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-WATER

Manual Integrations
 APPROVED

MMDadoda
 12/10/2018 9:57:41 AM

Quant Time: Dec 10 10:02:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	768754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1182055	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1083832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	534285	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	385682	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
35) Dibromofluoromethane	5.51	113	368088	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
50) Toluene-d8	8.71	98	1391000	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	11.14	95	525254	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	

Target Compounds

						Qvalue
16) Acetone	2.45	43	298994	81.185	ug/l	93
25) 2-Butanone	4.70	43	220825	42.022	ug/l	99
31) Cyclohexane	5.58	56	1167995	103.022	ug/l	97
39) Methylcyclohexane	7.46	83	1785337	138.175	ug/l	100
40) Benzene	6.15	78	221691	7.436	ug/l	99
52) Toluene	8.79	92	45219	2.305	ug/l	99
67) Ethyl Benzene	10.25	91	542940	14.189	ug/l	100
68) m/p-Xylenes	10.37	106	4275570	278.935	ug/l	96
69) o-Xylene	10.70	106	86838	5.735	ug/l	97
73) Isopropylbenzene	11.02	105	643929	17.452	ug/l	99
78) n-propylbenzene	11.36	91	441955	10.776	ug/l #	50
80) 1,3,5-Trimethylbenzene	11.51	105	993317	32.356	ug/l	100
83) tert-Butylbenzene	11.77	119	111179m	3.394	ug/l	
84) 1,2,4-Trimethylbenzene	11.80	105	18256845m	575.927	ug/l	
85) sec-Butylbenzene	11.94	105	618831	16.607	ug/l	98
86) p-Isopropyltoluene	12.07	119	1040575	31.012	ug/l	99
89) n-Butylbenzene	12.37	91	1220054	42.614	ug/l #	2
95) Naphthalene	13.83	128	9453840	230.375	ug/l	97

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

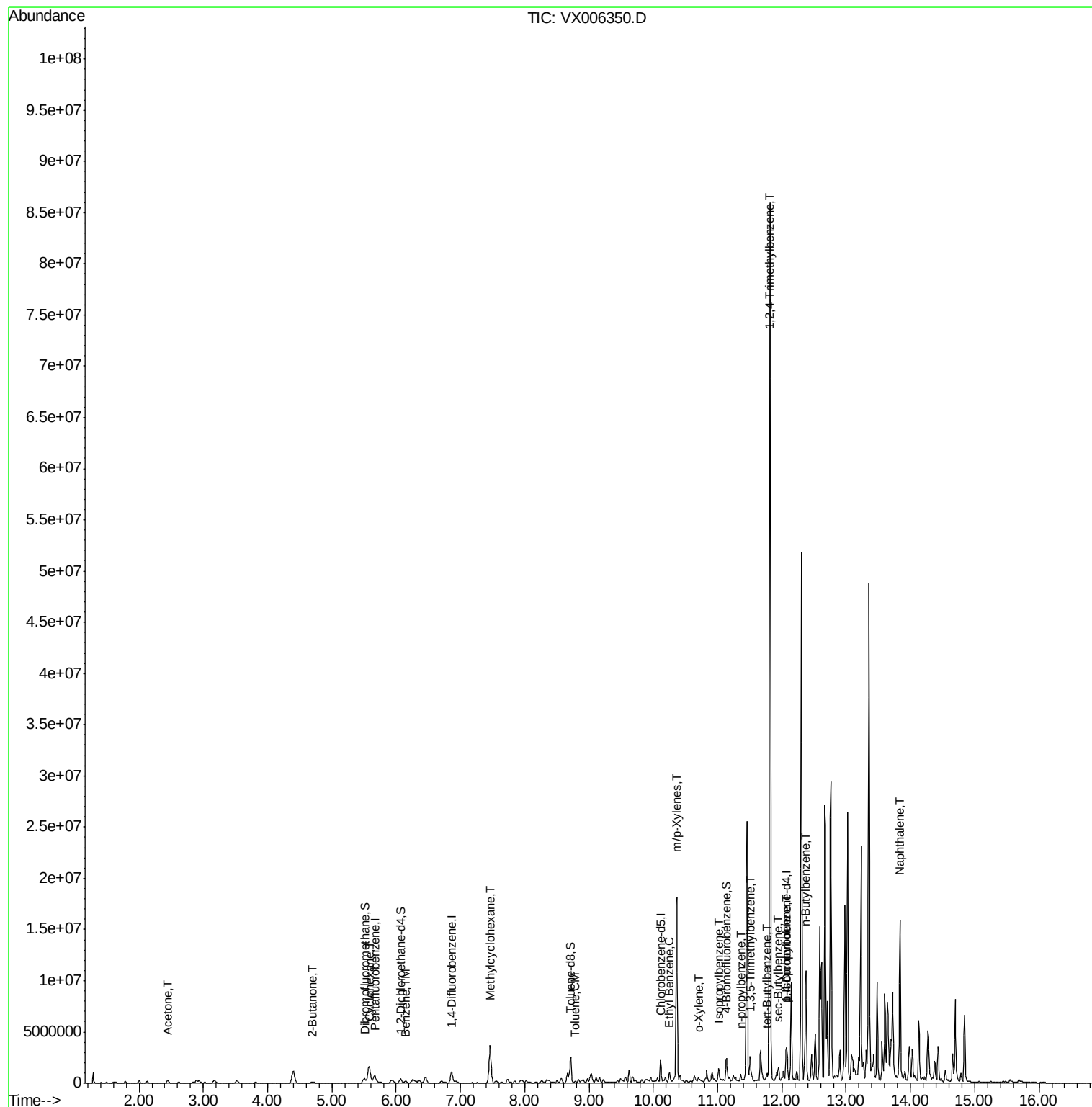
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120718\
Data File : VX006350.D
Acq On : 07 Dec 2018 16:31
Operator : JC/MD
Sample : J6269-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

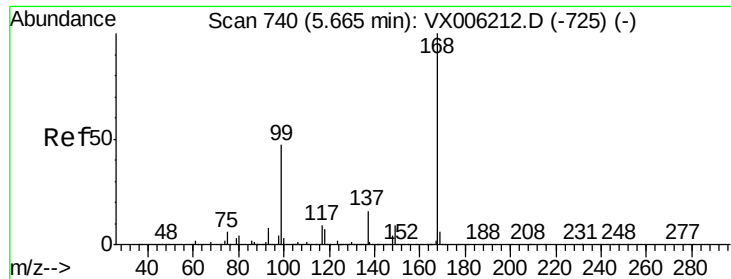
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER

Manual Integrations
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Quant Time: Dec 10 10:02:34 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006350.D

Acq: 07 Dec 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER

Tot Ion:168 Resp: 768754

Ion Ratio Lower Upper

168 100

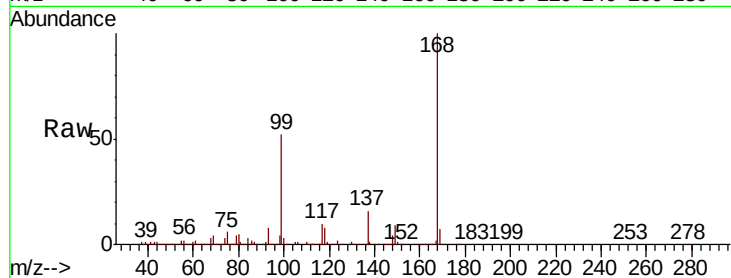
99 52.0 37.8 56.8

Manual Integrations

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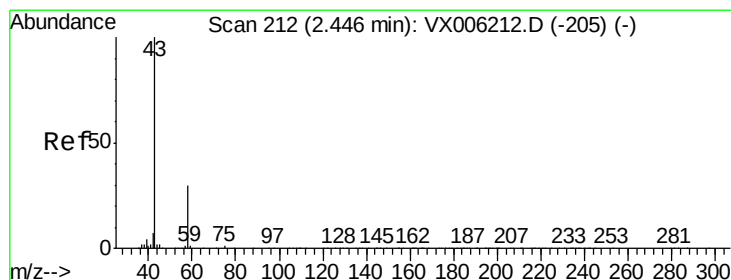
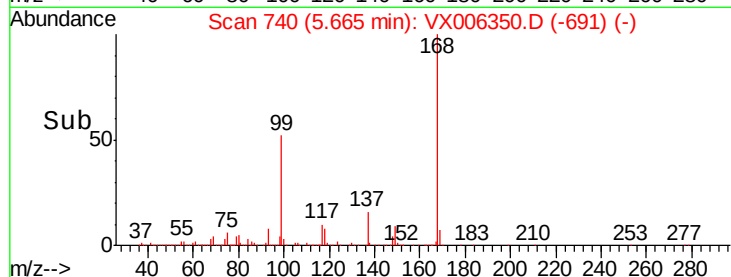
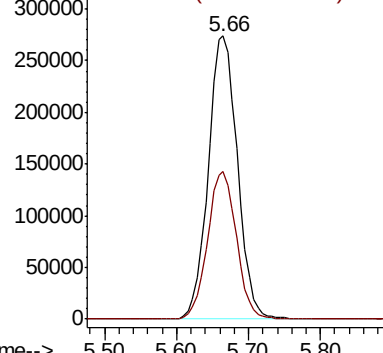
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 81.185 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006350.D

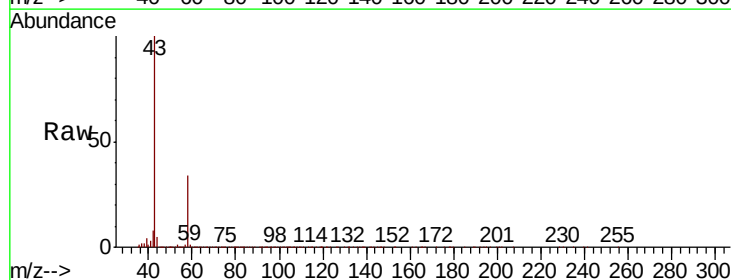
Acq: 07 Dec 2018 16:31

Tgt Ion: 43 Resp: 298994

Ion Ratio Lower Upper

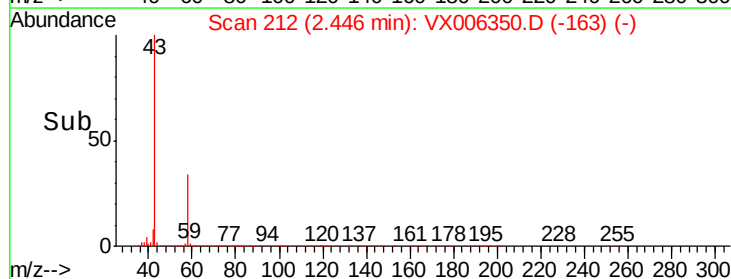
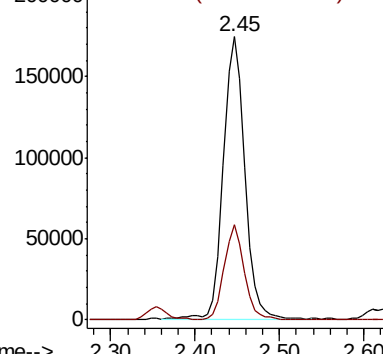
43 100

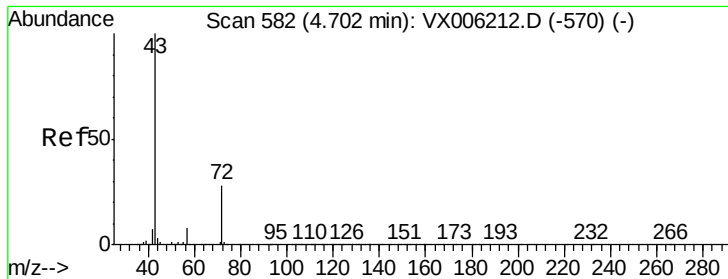
58 33.6 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 42.022 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006350.D

Acq: 07 Dec 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER

Tot Ion: 43 Resp: 220825

Ion Ratio Lower Upper

43 100

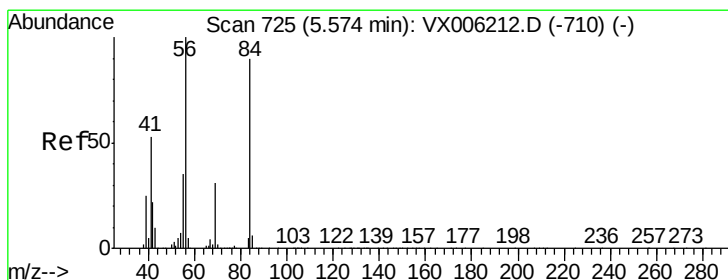
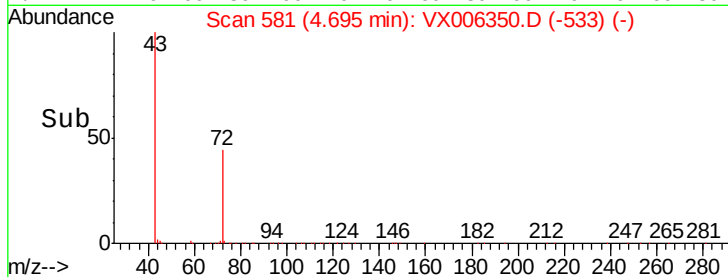
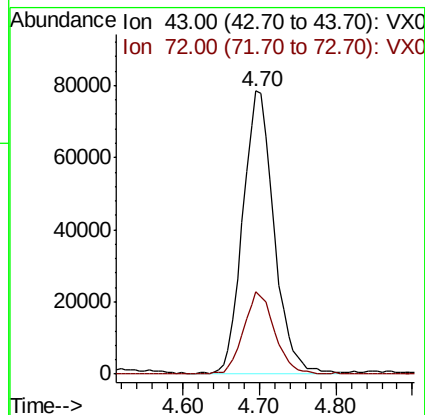
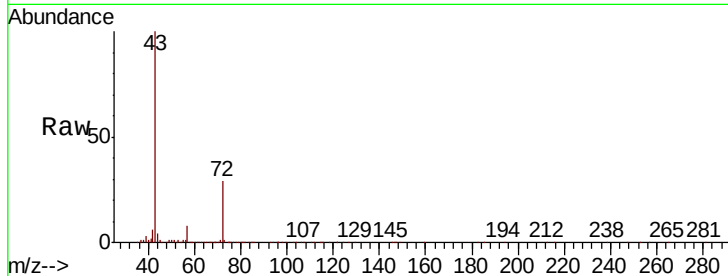
72 28.8 22.6 33.8

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#31

Cyclohexane

Concen: 103.022 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX006350.D

Acq: 07 Dec 2018 16:31

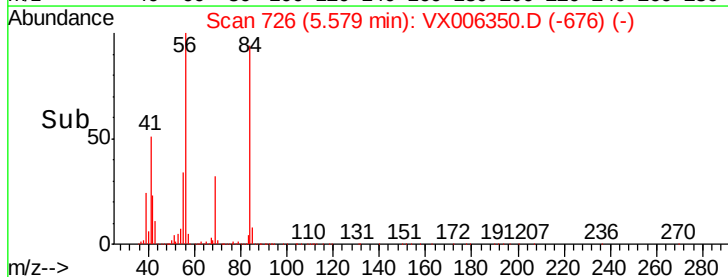
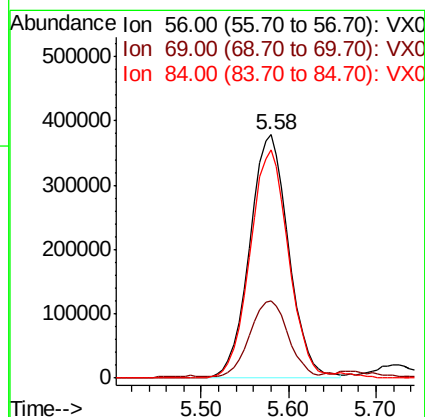
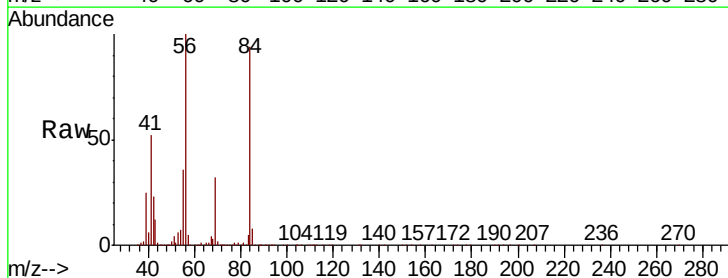
Tgt Ion: 56 Resp: 1167995

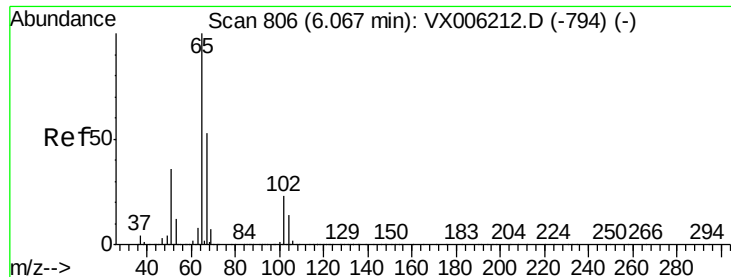
Ion Ratio Lower Upper

56 100

69 30.6 24.5 36.7

84 93.8 71.8 107.6





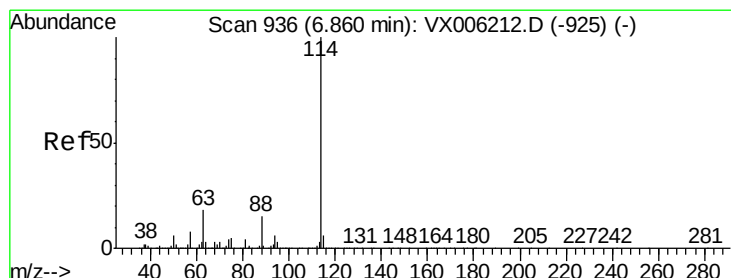
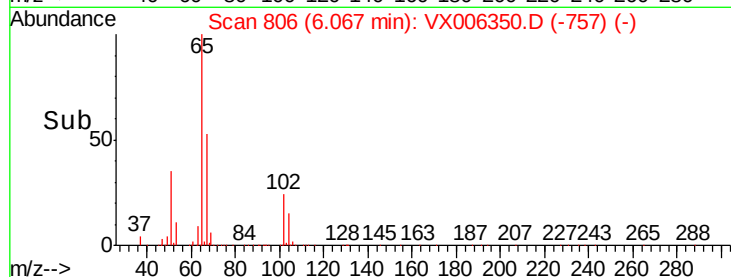
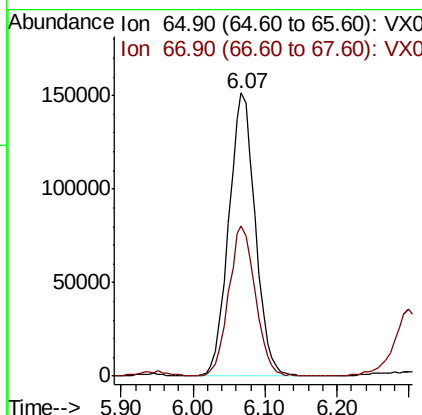
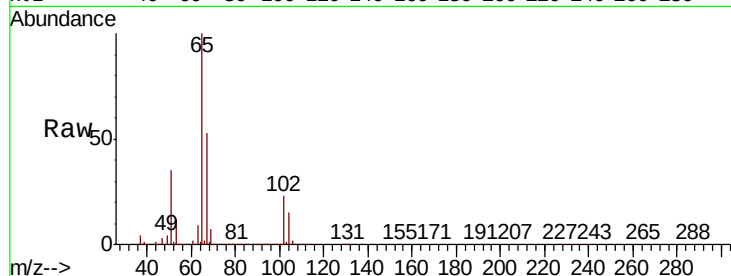
#33
 1,2-Dichloroethane-d4
 Concen: 49.146 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006350.D
 Acq: 07 Dec 2018 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-WATER

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	107.2

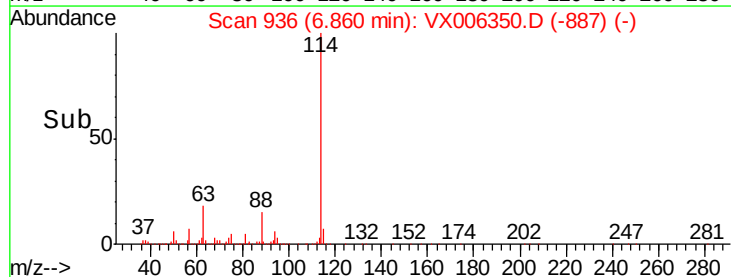
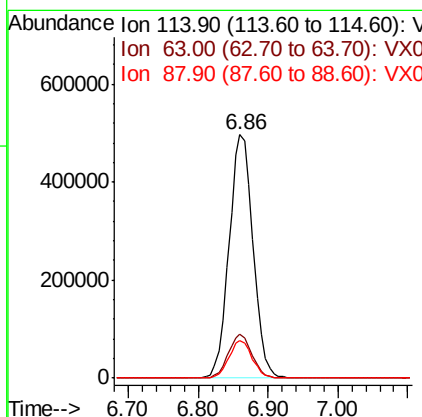
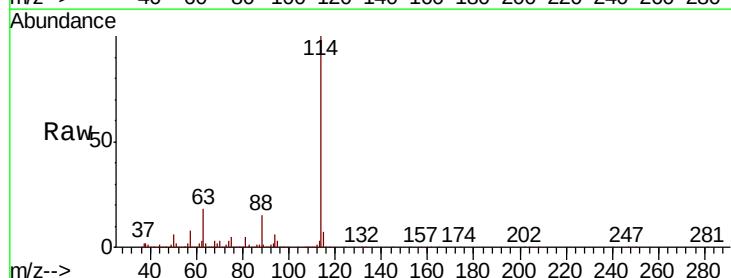
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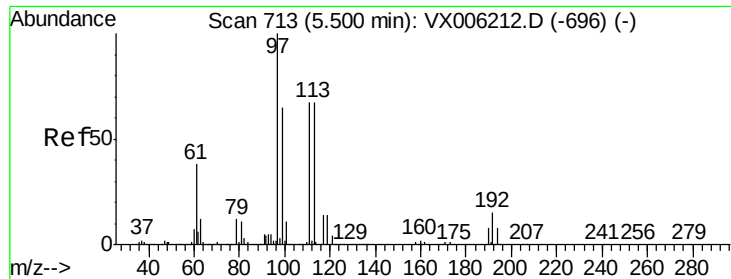
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006350.D
 Acq: 07 Dec 2018 16:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	36.6
88	15.3	0.0	29.0





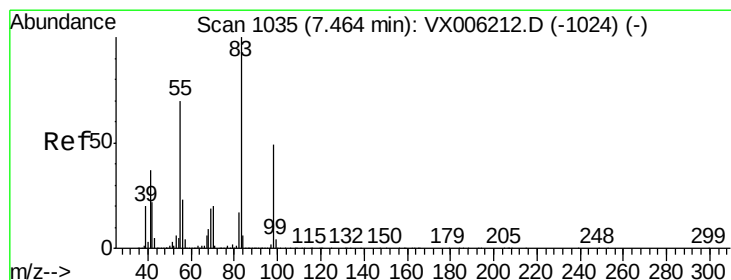
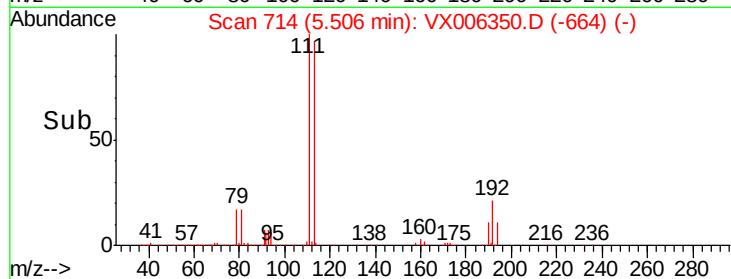
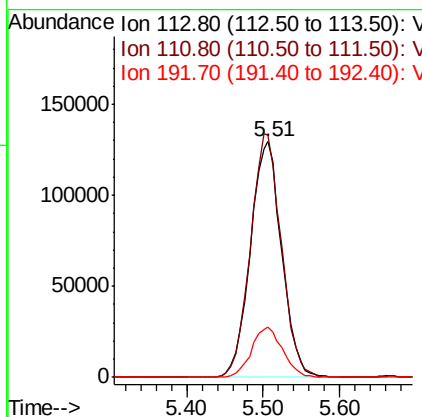
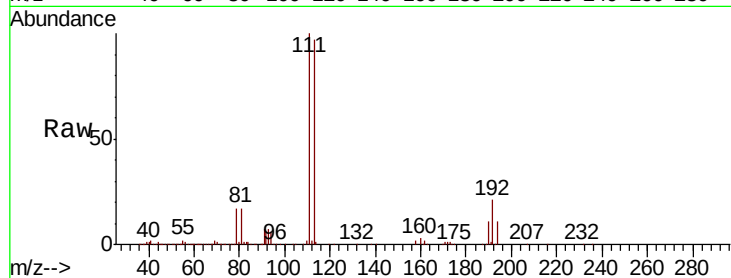
#35
Dibromofluoromethane
Concen: 48.095 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX006350.D
Acq: 07 Dec 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.1	121.7
192	21.4	18.2	27.2

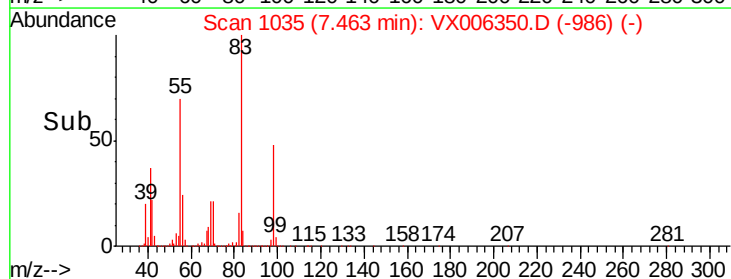
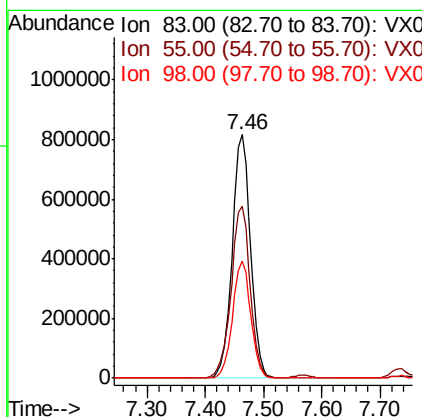
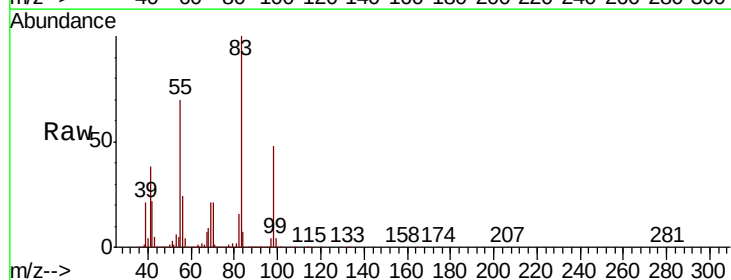
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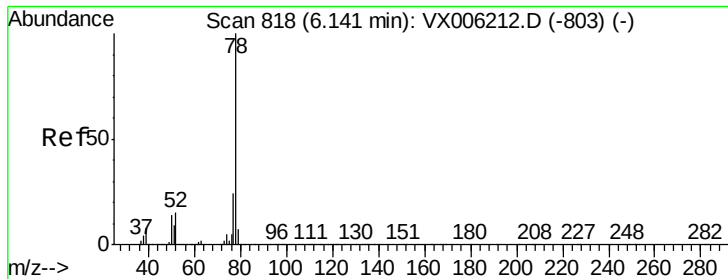
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#39
Methylcyclohexane
Concen: 138.175 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX006350.D
Acq: 07 Dec 2018 16:31

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.4	56.4	84.6
98	48.2	39.0	58.6





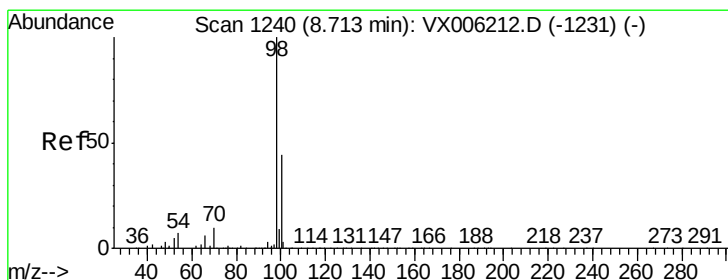
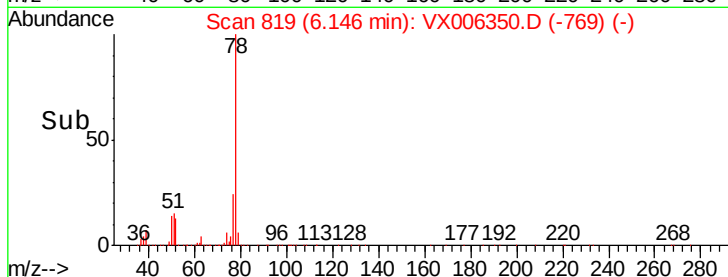
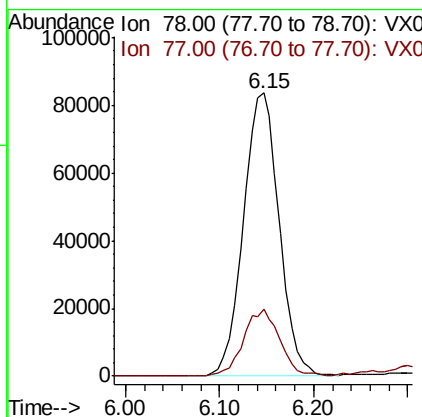
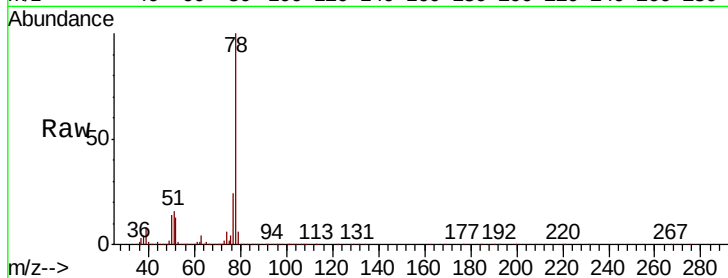
#40
Benzene
Concen: 7.436 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006350.D
Acq: 07 Dec 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER

Tot Ion: 78 Resp: 221691
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8

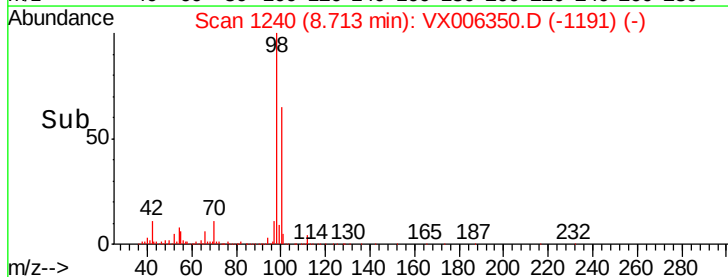
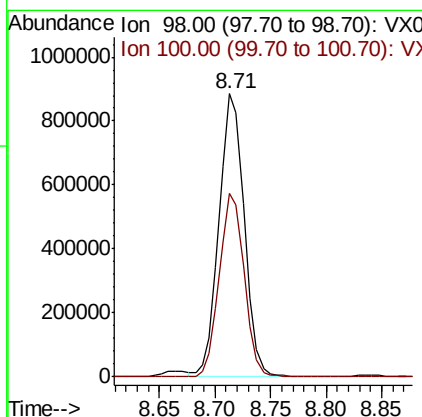
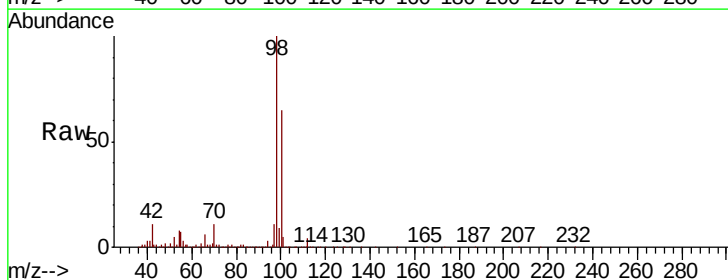
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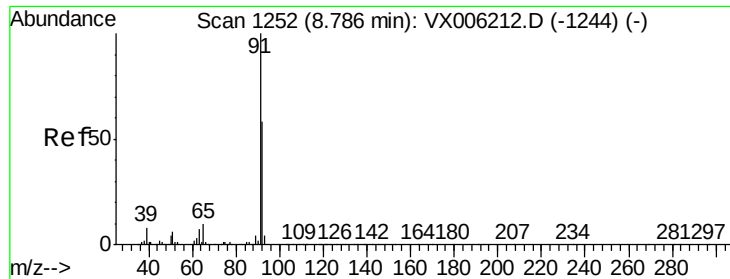
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#50
Toluene-d8
Concen: 49.967 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006350.D
Acq: 07 Dec 2018 16:31

Tgt Ion: 98 Resp: 1391000
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.2





#52

Toluene

Concen: 2.305 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006350.D

Acq: 07 Dec 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER

Tot Ion: 92 Resp: 45219

Ion Ratio Lower Upper

92 100

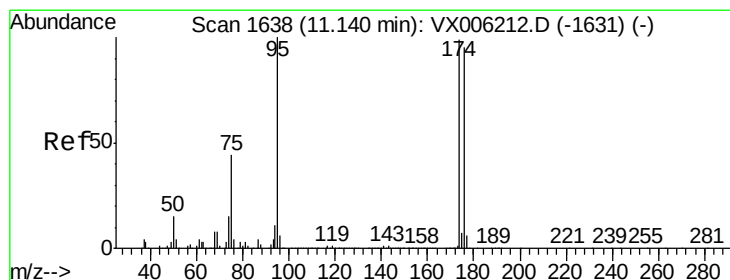
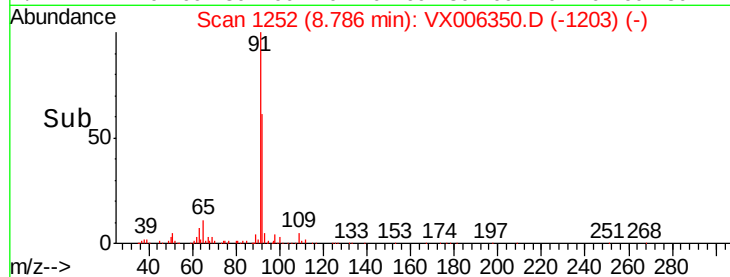
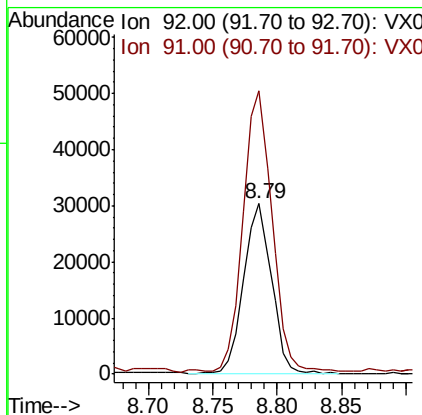
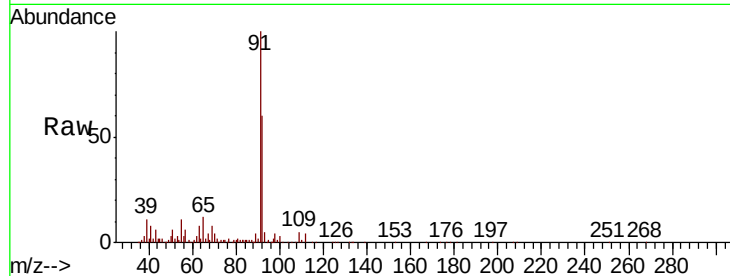
91 173.2 139.2 208.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.070 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006350.D

Acq: 07 Dec 2018 16:31

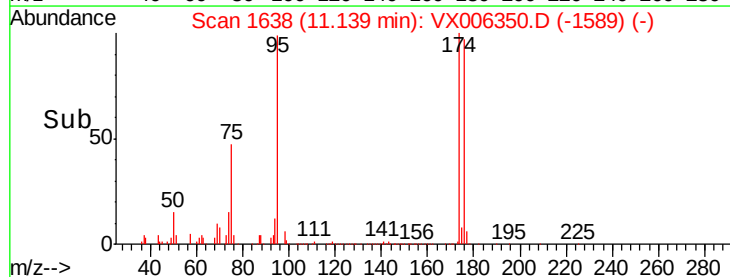
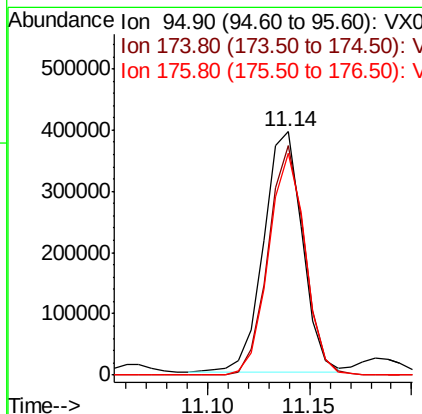
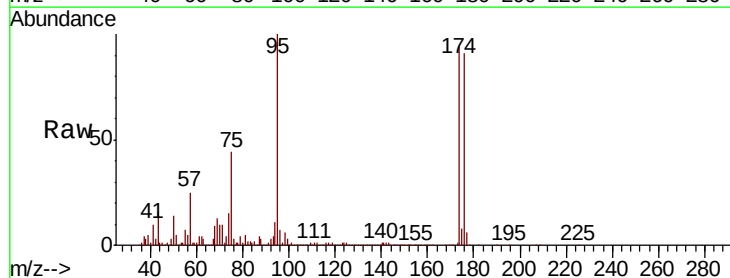
Tgt Ion: 95 Resp: 525254

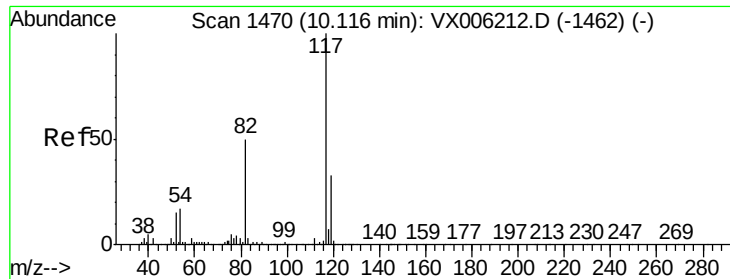
Ion Ratio Lower Upper

95 100

174 89.0 0.0 187.0

176 86.8 0.0 181.8





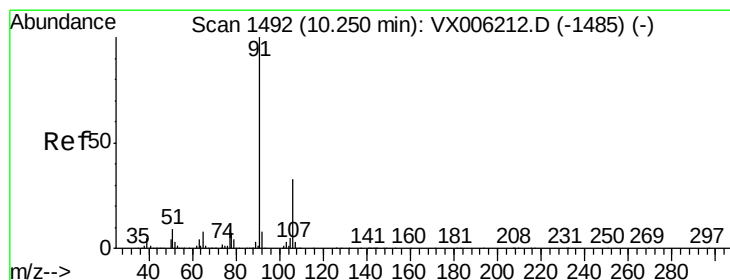
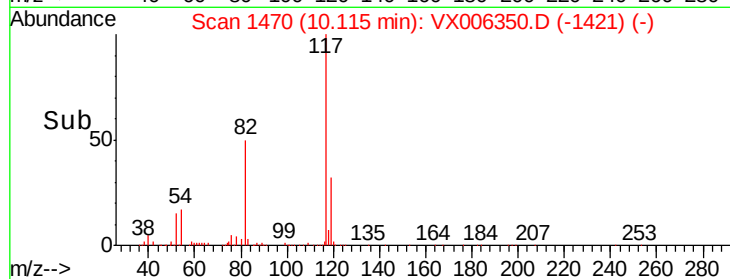
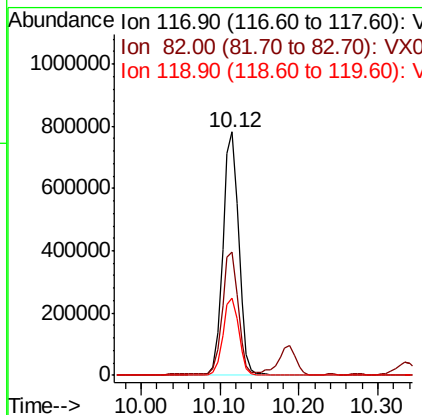
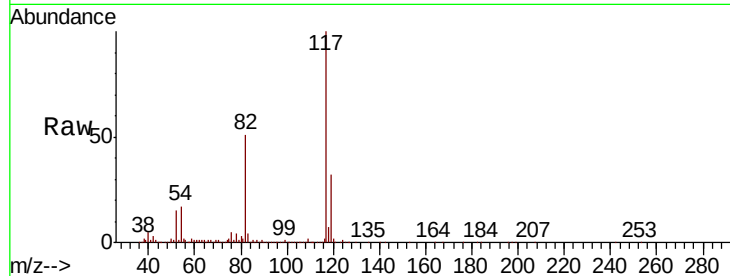
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006350.D
Acq: 07 Dec 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.1	39.6	59.4
119	31.9	26.3	39.5

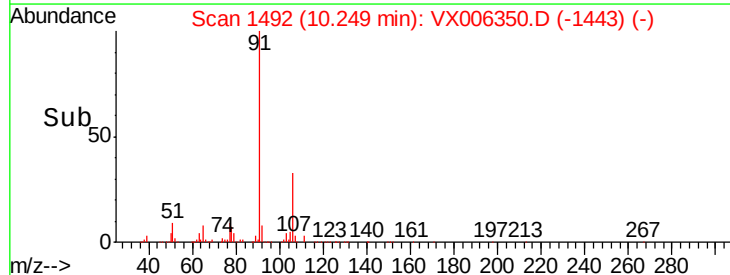
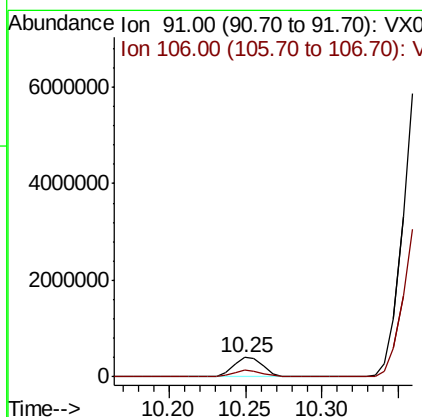
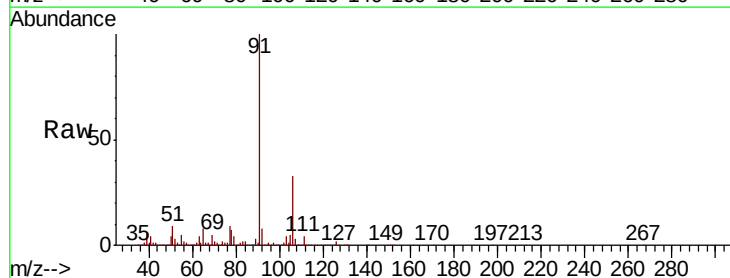
Manual Integrations
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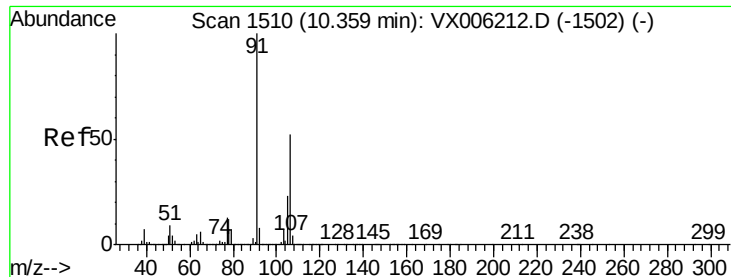
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#67
Ethyl Benzene
Concen: 14.189 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX006350.D
Acq: 07 Dec 2018 16:31

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.1	26.5	39.7





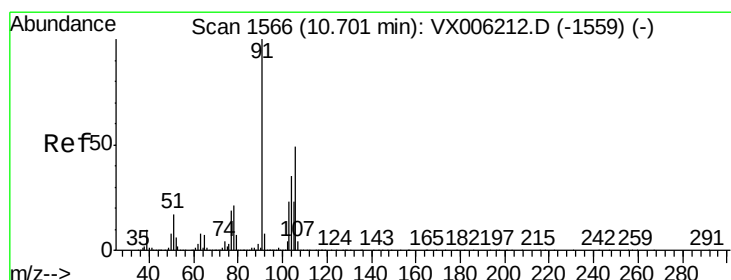
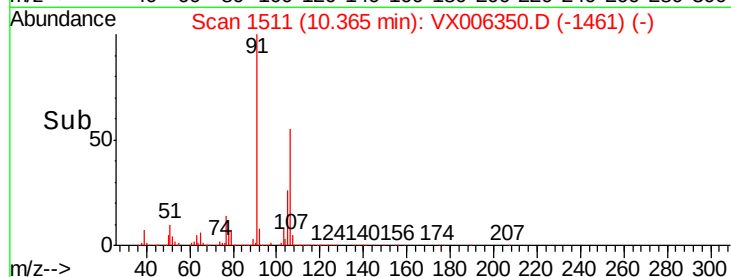
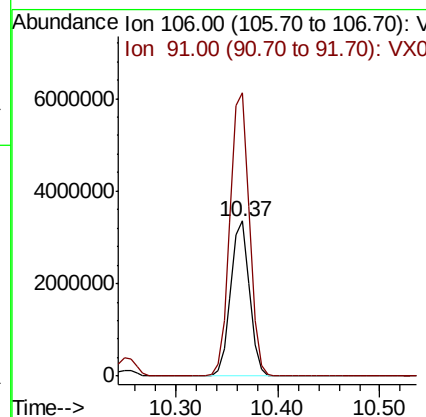
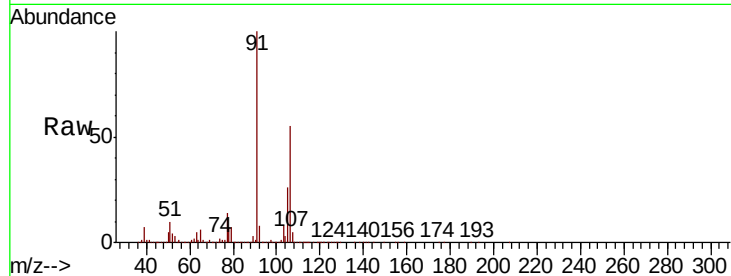
#68
m/p-Xylenes
Concen: 278.935 ug/l
RT: 10.37 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VX006350.D
Acq: 07 Dec 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER

Tot Ion:106 Resp: 4275570
Ion Ratio Lower Upper
106 100
91 188.5 155.2 232.8

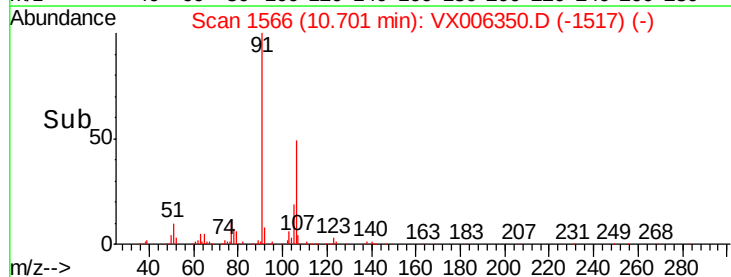
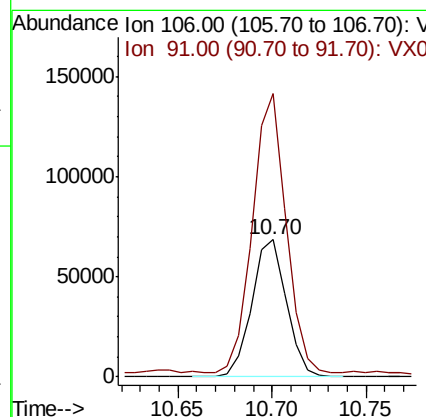
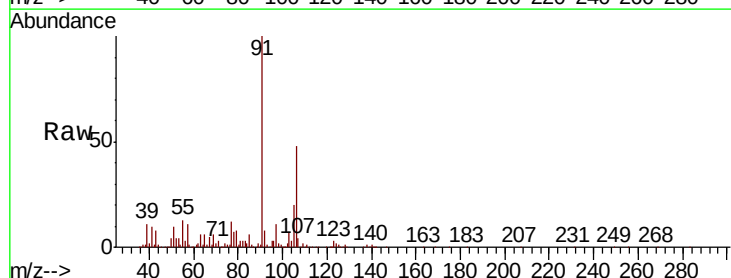
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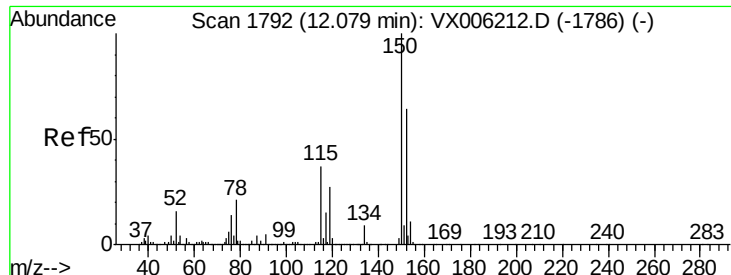
MMDadoda
12/10/2018 9:57:41 AM



#69
o-Xylene
Concen: 5.735 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006350.D
Acq: 07 Dec 2018 16:31

Tgt Ion:106 Resp: 86838
Ion Ratio Lower Upper
106 100
91 198.5 101.8 305.6





#72

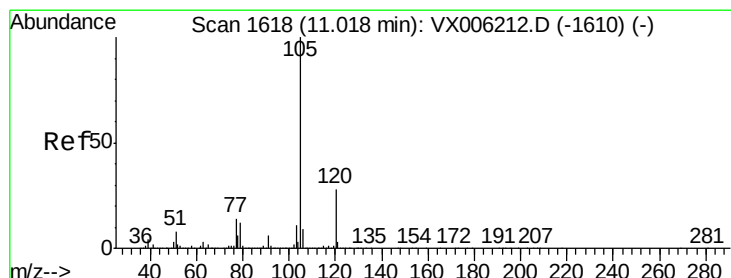
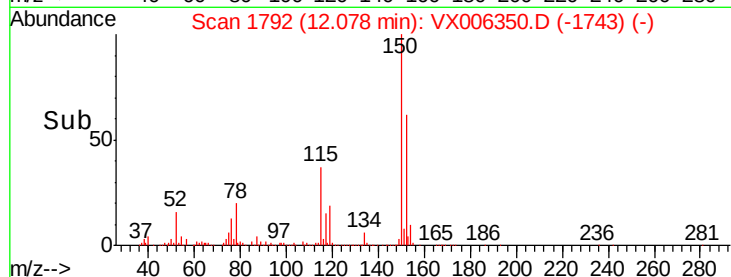
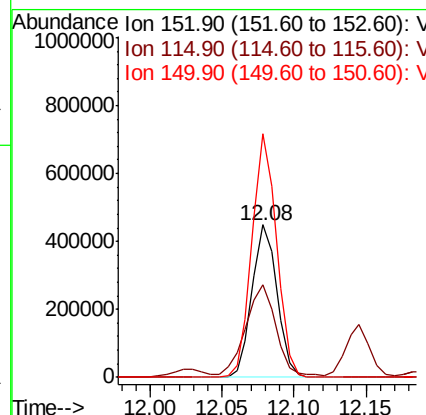
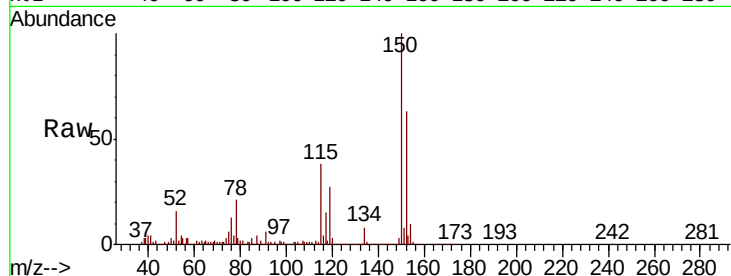
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006350.D
Acq: 07 Dec 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER

Tot Ion	Ratio	Resp	Lower	Upper
152	100	534285		
115	71.0	39.0	116.9	
150	157.6	0.0	345.8	

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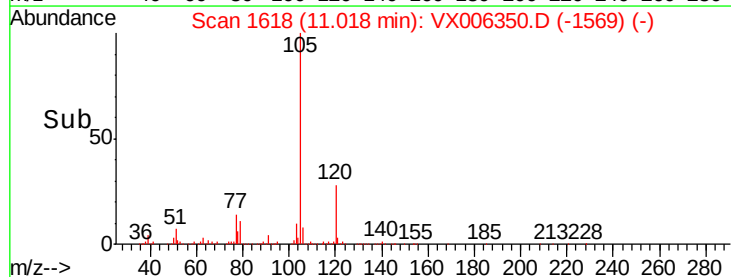
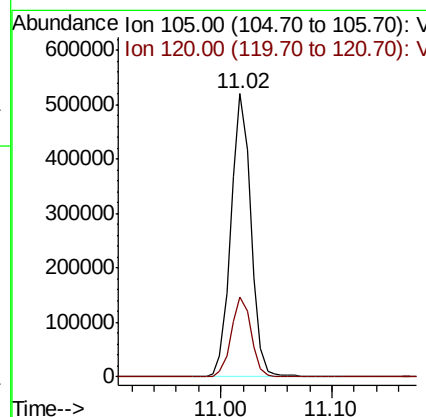
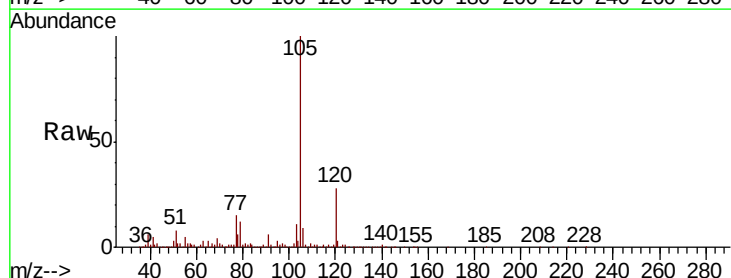
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12/10/2018 9:57:41 AM

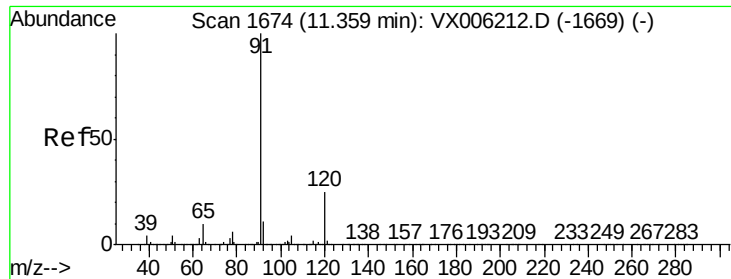


#73

Isopropylbenzene
Concen: 17.452 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX006350.D
Acq: 07 Dec 2018 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	643929		
120	28.5	14.1	42.3	





#78

n-propylbenzene

Concen: 10.776 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006350.D

Acq: 07 Dec 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER

Tot Ion: 91 Resp: 441955

Ion Ratio Lower Upper

91 100

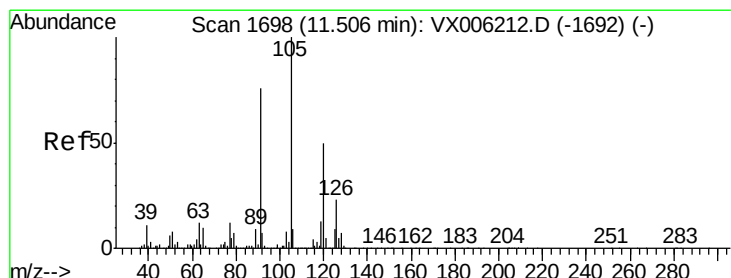
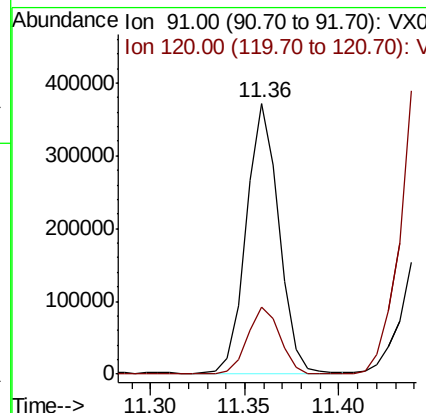
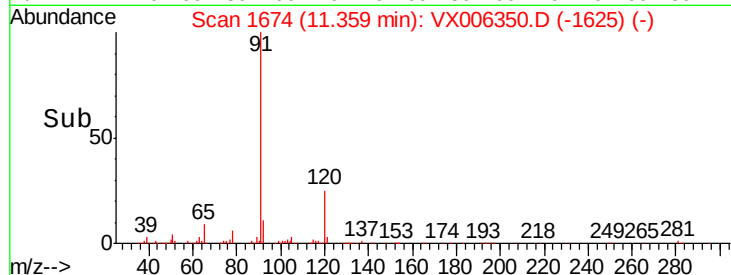
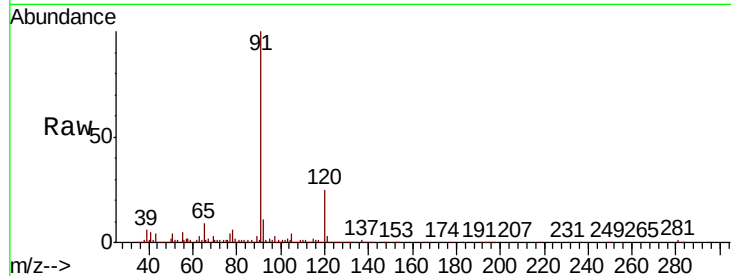
120 0.0 12.7 38.0#

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#80

1,3,5-Trimethylbenzene

Concen: 32.356 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006350.D

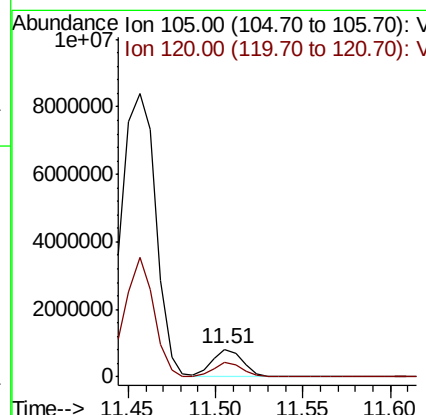
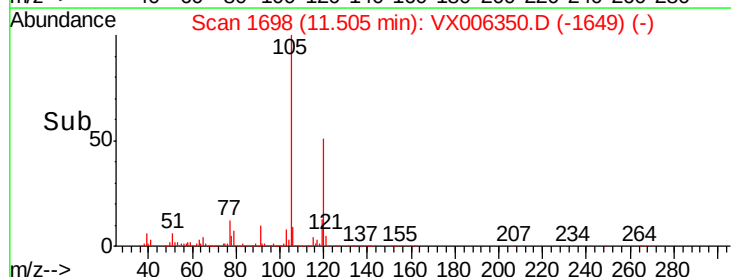
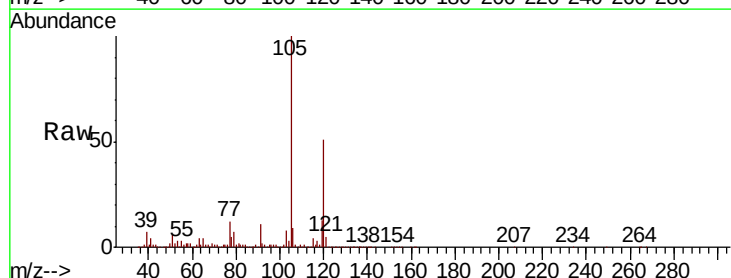
Acq: 07 Dec 2018 16:31

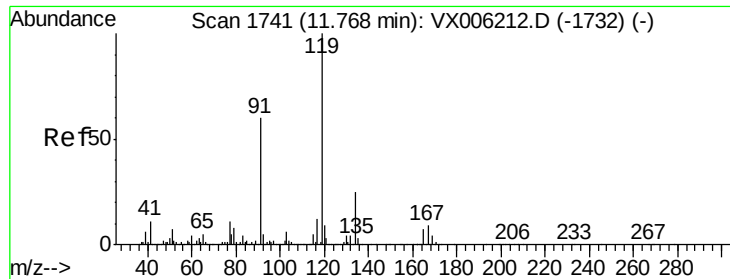
Tgt Ion: 105 Resp: 993317

Ion Ratio Lower Upper

105 100

120 50.9 25.4 76.0





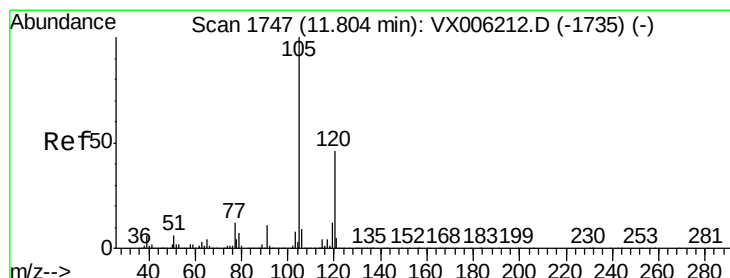
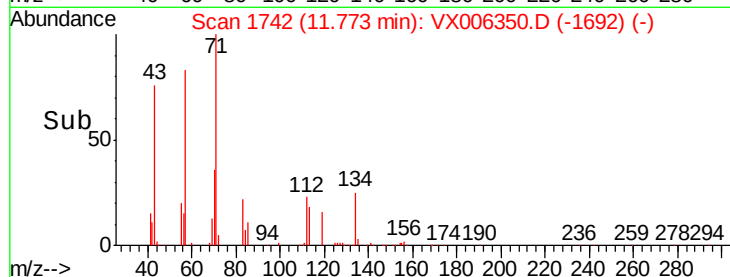
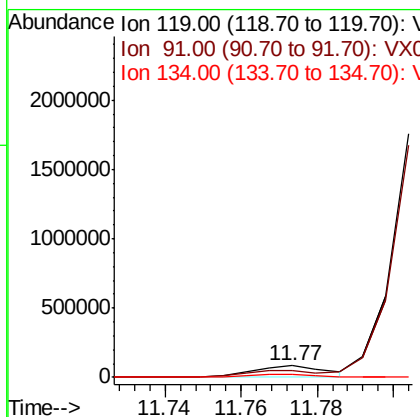
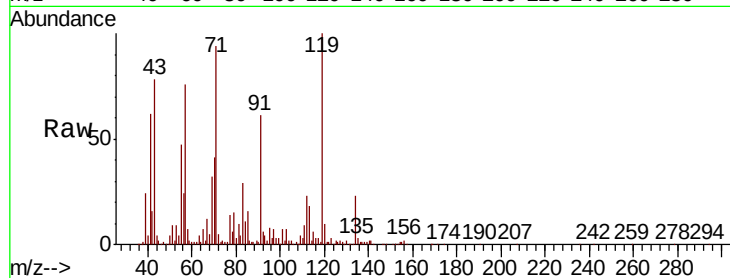
#83
tert-Butylbenzene
Concen: 3.394 ug/l m
RT: 11.77 min Scan# 1742
Delta R.T. 0.01 min
Lab File: VX006350.D
Acq: 07 Dec 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER

Tot Ion:119 Resp: 111179
Ion Ratio Lower Upper
119 100
91 5065.0 26.4 79.2
134 0.0 11.6 34.7#

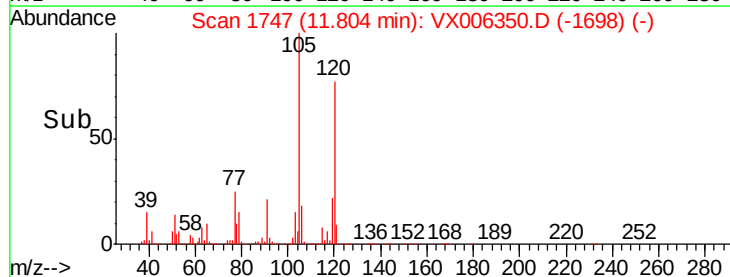
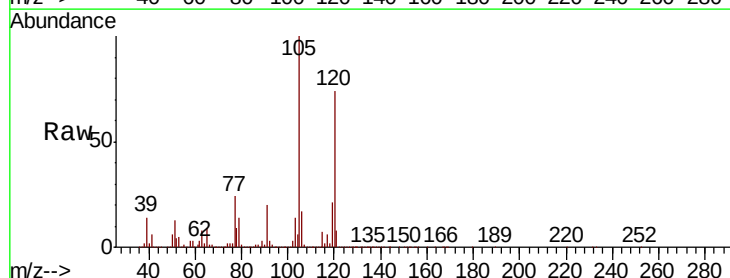
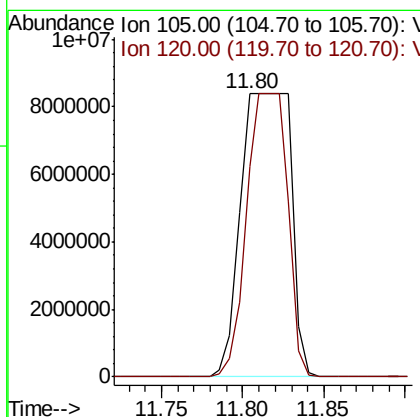
Manual Integrations
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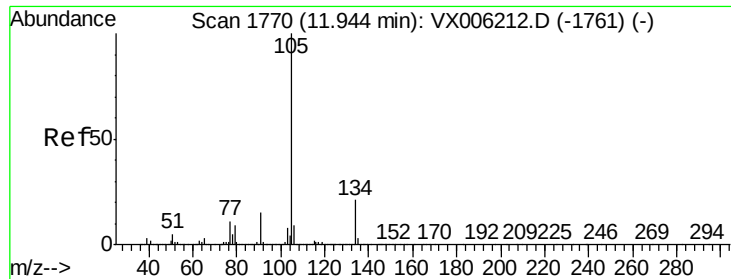
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 575.927 ug/l m
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX006350.D
Acq: 07 Dec 2018 16:31

Tgt Ion:105 Resp:18256845
Ion Ratio Lower Upper
105 100
120 2.5 23.4 70.0#





#85

sec-Butylbenzene

Concen: 16.607 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006350.D

Acq: 07 Dec 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER

Tot Ion:105 Resp: 618831

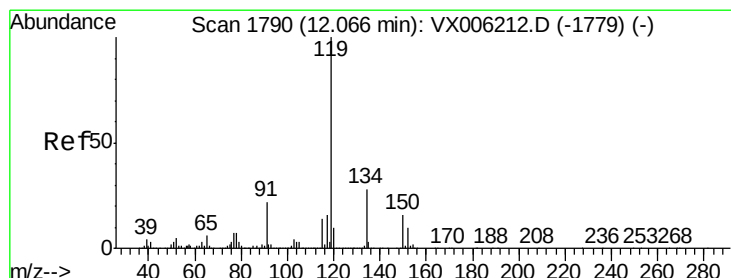
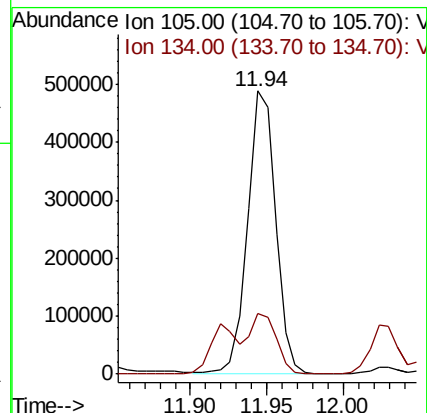
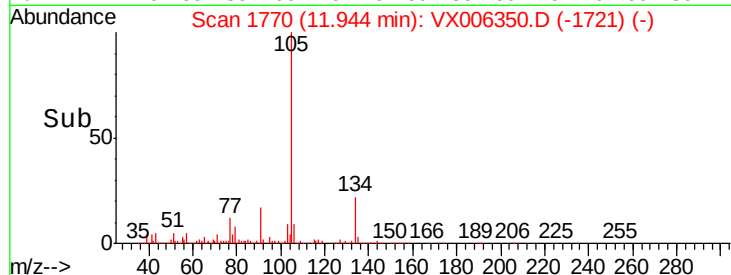
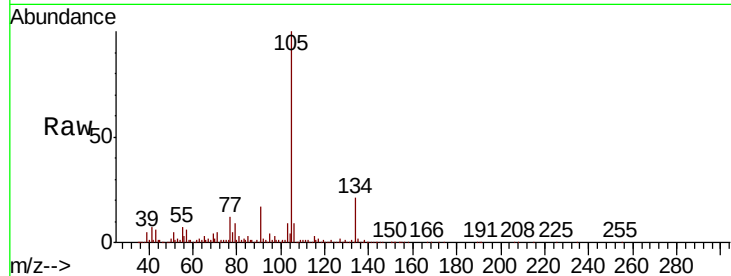
Ion Ratio Lower Upper

105 100

134 20.7 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 31.012 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX006350.D

Acq: 07 Dec 2018 16:31

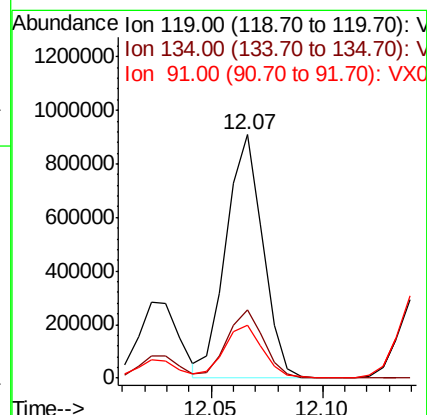
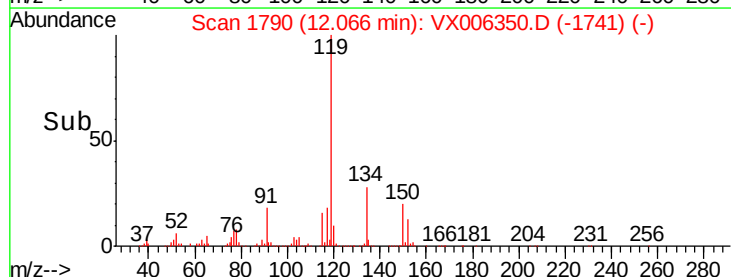
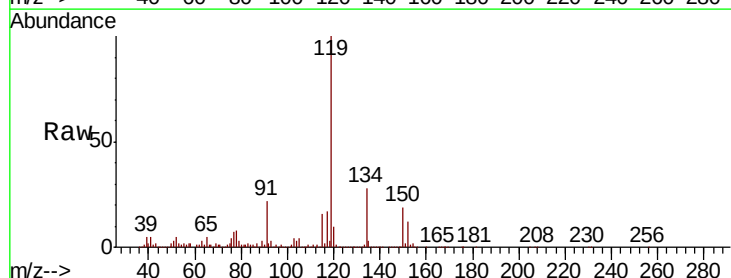
Tgt Ion:119 Resp: 1040575

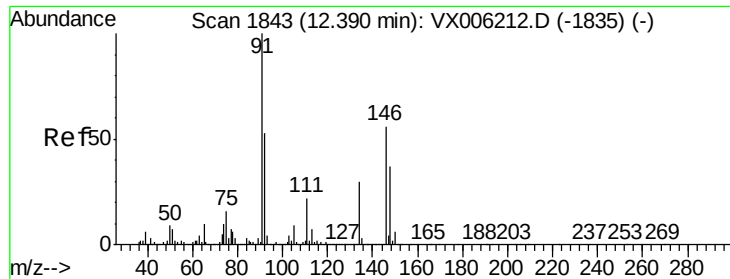
Ion Ratio Lower Upper

119 100

134 28.1 13.9 41.6

91 22.5 11.3 33.8





#89

n-Butylbenzene

Concen: 42.614 ug/l

RT: 12.37 min Scan# 1840

Delta R.T. -0.02 min

Lab File: VX006350.D

Acq: 07 Dec 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER

Tot Ion: 91 Resp: 1220054

Ion Ratio Lower Upper

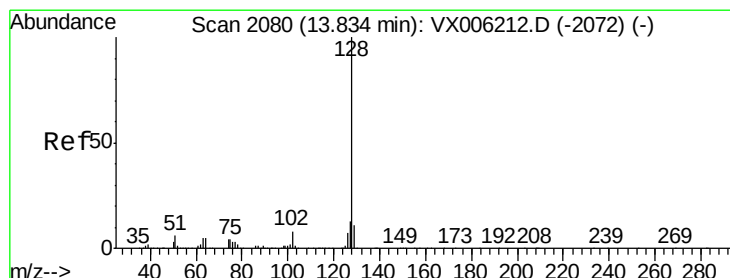
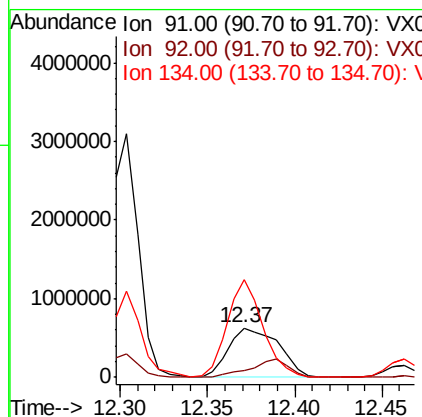
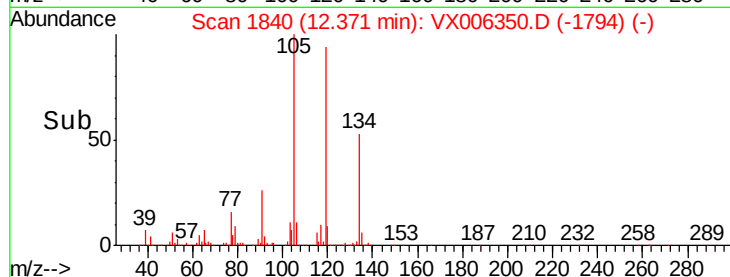
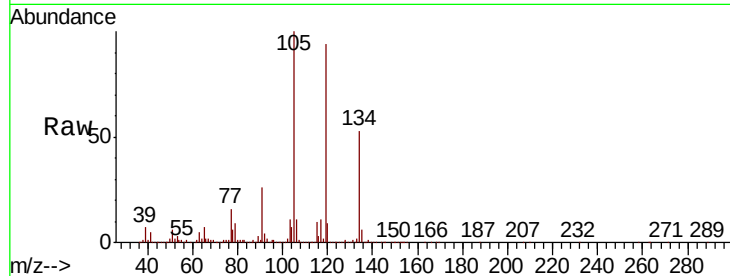
91 100

92 28.7 26.6 79.8

134 144.1 14.8 44.3#

Manual Integrations
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#95

Naphthalene

Concen: 230.375 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006350.D

Acq: 07 Dec 2018 16:31

Tgt Ion: 128 Resp: 9453840

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.4

129 12.6 8.9 13.3

