

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110419\
 Data File : VX013324.D
 Acq On : 04 Nov 2019 15:07
 Operator : JC/SP
 Sample : K5683-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-WATER

Manual Integrations
 APPROVED

MMDadoda
 11/5/2019 10:37:15 AM

Quant Time: Nov 05 00:57:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	772126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1187624	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1073910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	538953	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	436573	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
35) Dibromofluoromethane	5.48	113	359157	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
50) Toluene-d8	8.71	98	1416367	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
62) 4-Bromofluorobenzene	11.13	95	499362	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	3.02	59	120266	49.882	ug/l	100
16) Acetone	2.42	43	3467174	759.911	ug/l	99
17) Carbon Disulfide	2.56	76	22426	1.183	ug/l #	90
18) Methyl Acetate	2.76	43	10762	0.854	ug/l	90
25) 2-Butanone	4.65	43	1144550	170.997	ug/l	97
29) Tetrahydrofuran	5.11	42	13588m	3.294	ug/l	
31) Cyclohexane	5.57	56	6432	0.514	ug/l #	51
39) Methylcyclohexane	7.45	83	7541	0.594	ug/l #	60
51) 4-Methyl-2-Pentanone	8.63	43	2224011	172.915	ug/l	99
52) Toluene	8.78	92	11616	0.591	ug/l	96
59) 2-Hexanone	9.48	43	327922	32.992	ug/l	99
68) m/p-Xylenes	10.36	106	11467	0.808	ug/l	98
69) o-Xylene	10.70	106	5189	0.373	ug/l	87
84) 1,2,4-Trimethylbenzene	11.80	105	21203	0.710	ug/l	96
86) p-Isopropyltoluene	12.06	119	48346	1.525	ug/l	93
95) Naphthalene	13.83	128	33491	0.902	ug/l #	84

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

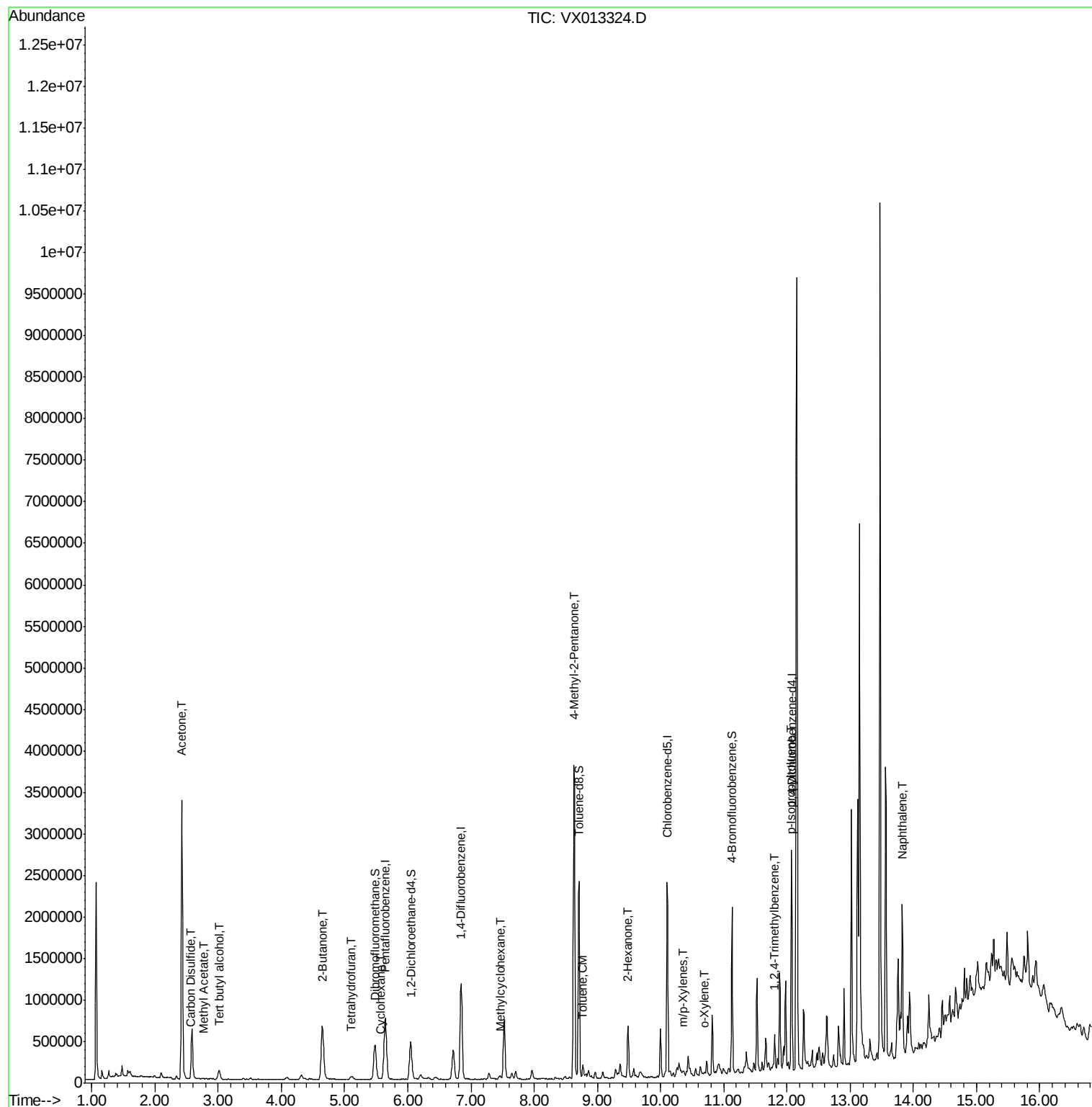
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110419\
Data File : VX013324.D
Acq On : 04 Nov 2019 15:07
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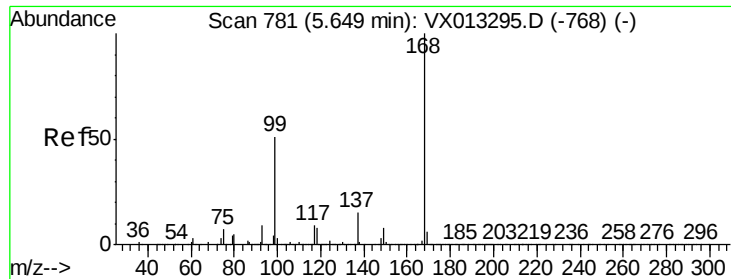
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER

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Quant Time: Nov 05 00:57:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX013324.D

Acq: 04 Nov 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER

Tgt Ion: 168 Resp: 772126

Ion Ratio Lower Upper

168 100

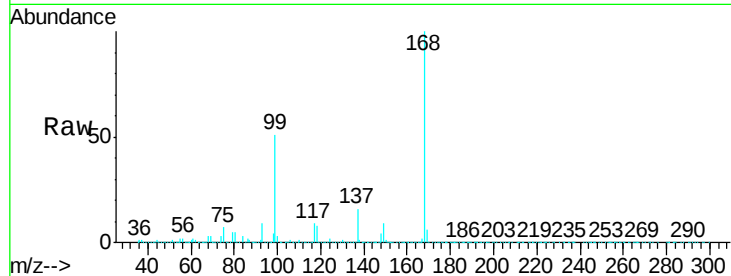
99 51.2 40.8 61.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

300000

250000

200000

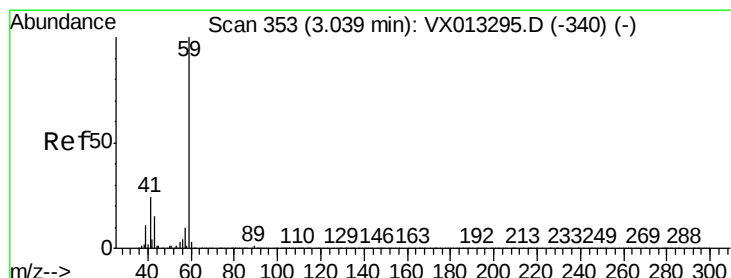
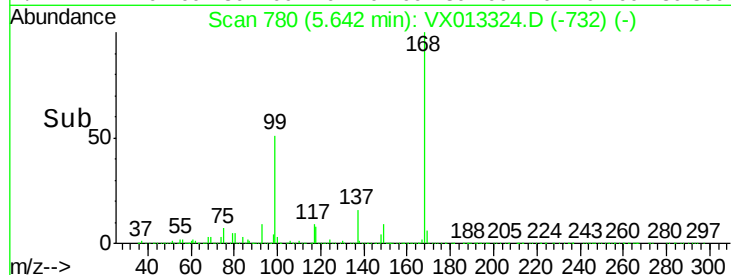
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 49.882 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.02 min

Lab File: VX013324.D

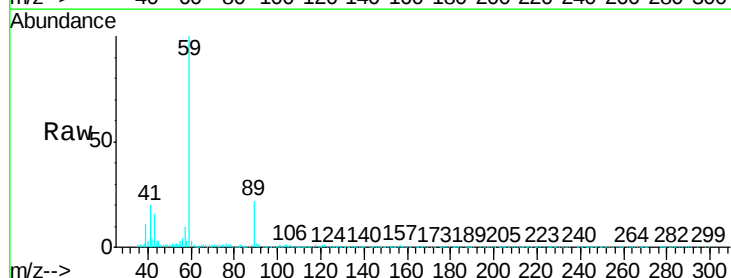
Acq: 04 Nov 2019 15:07

Tgt Ion: 59 Resp: 120266

Ion Ratio Lower Upper

59 100

57 10.0 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

50000

40000

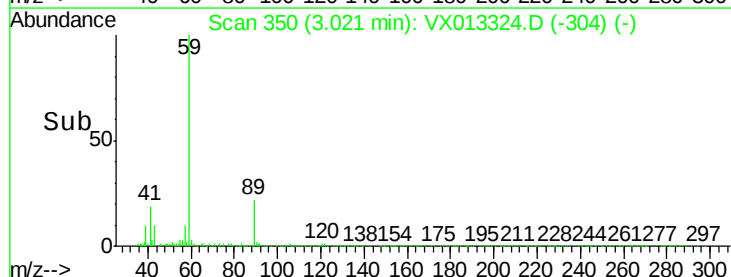
30000

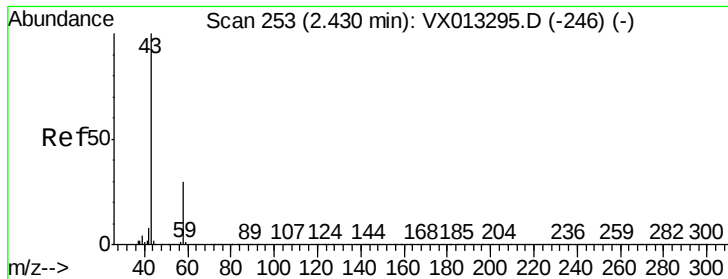
20000

10000

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Time-->





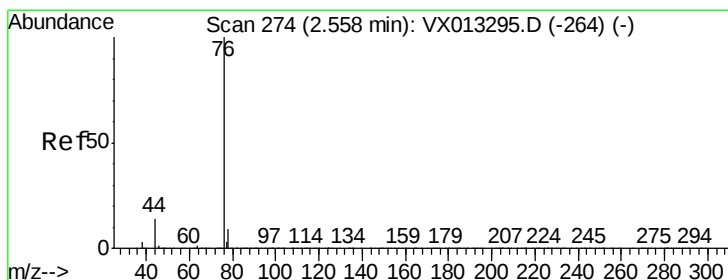
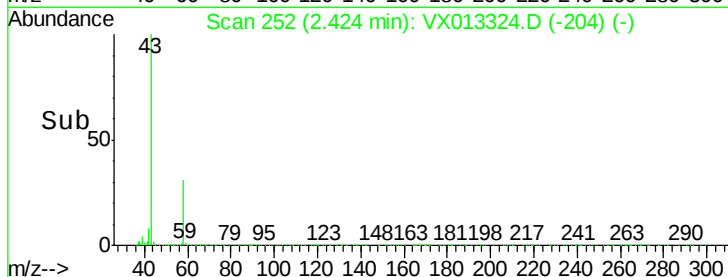
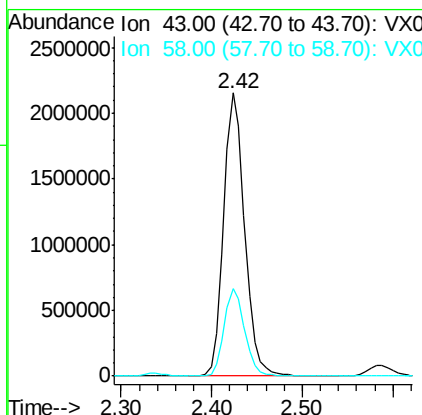
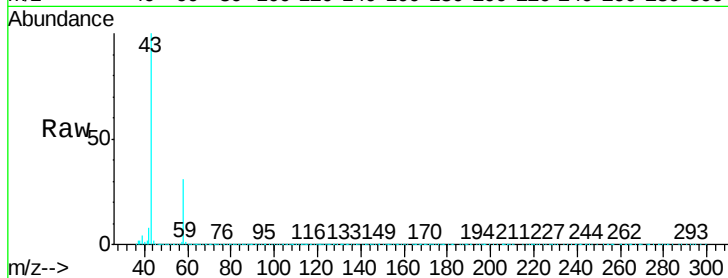
#16
Acetone
Concen: 759.911 ug/l
RT: 2.42 min Scan# 252
Delta R.T. -0.01 min
Lab File: VX013324.D
Acq: 04 Nov 2019 15:07

Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER

Tgt Ion: 43 Resp: 3467174
Ion Ratio Lower Upper
43 100
58 31.1 24.3 36.5

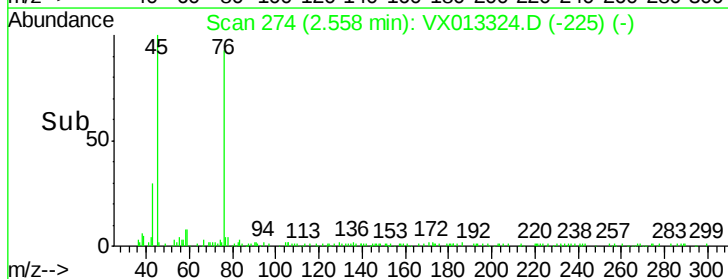
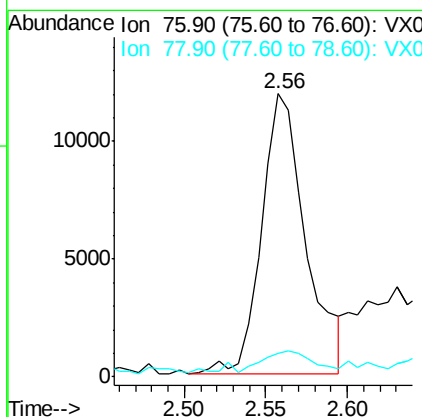
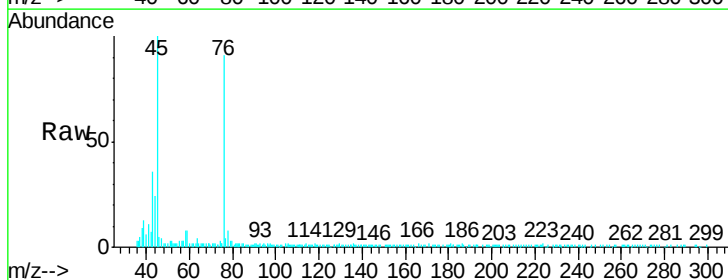
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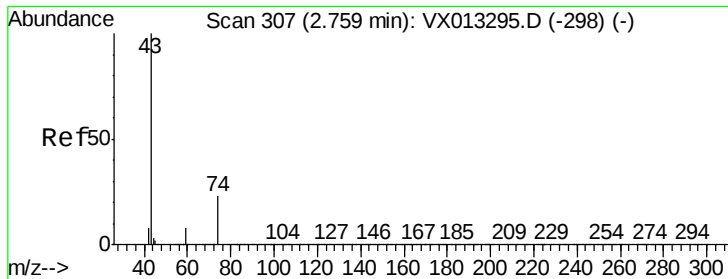
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#17
Carbon Disulfide
Concen: 1.183 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX013324.D
Acq: 04 Nov 2019 15:07

Tgt Ion: 76 Resp: 22426
Ion Ratio Lower Upper
76 100
78 5.4 7.0 10.6#





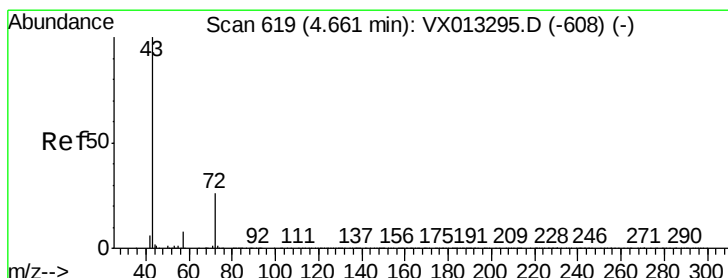
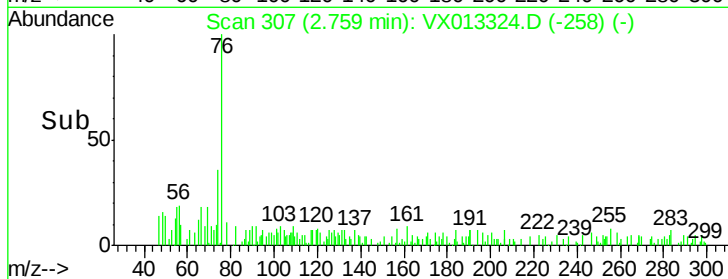
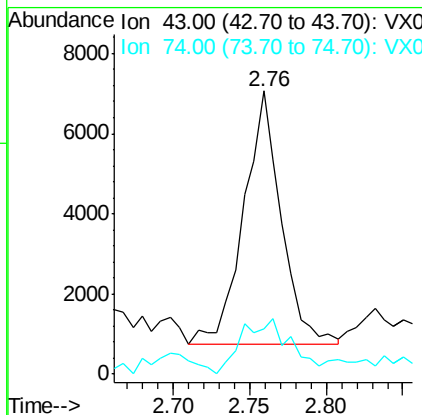
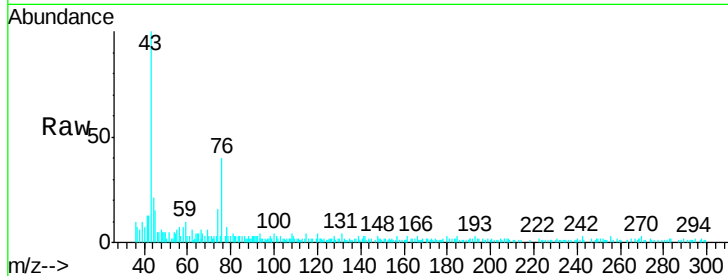
#18
Methyl Acetate
Concen: 0.854 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX013324.D
Acq: 04 Nov 2019 15:07

Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER

Tgt Ion: 43 Resp: 10762
Ion Ratio Lower Upper
43 100
74 28.6 19.0 28.6

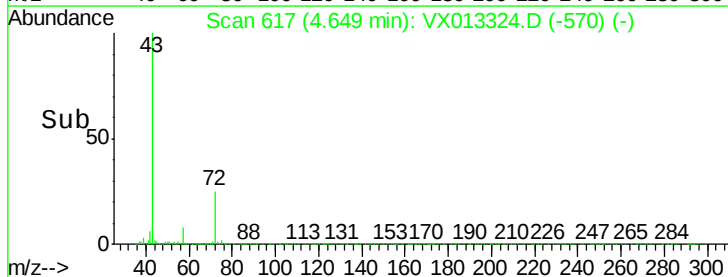
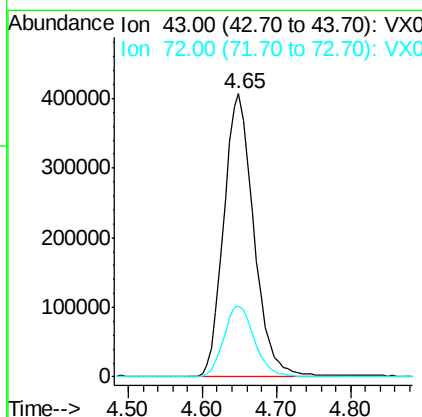
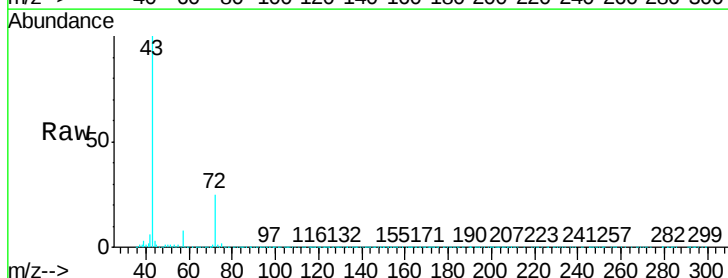
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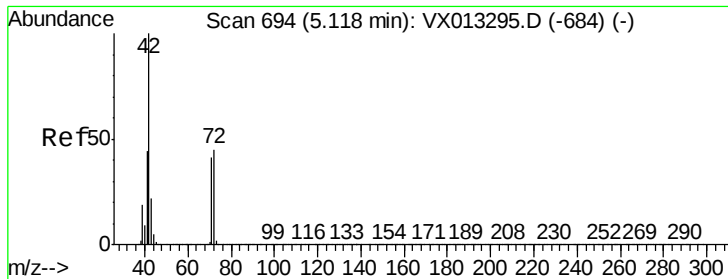
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#25
2-Butanone
Concen: 170.997 ug/l
RT: 4.65 min Scan# 617
Delta R.T. -0.01 min
Lab File: VX013324.D
Acq: 04 Nov 2019 15:07

Tgt Ion: 43 Resp: 1144550
Ion Ratio Lower Upper
43 100
72 25.0 21.0 31.6





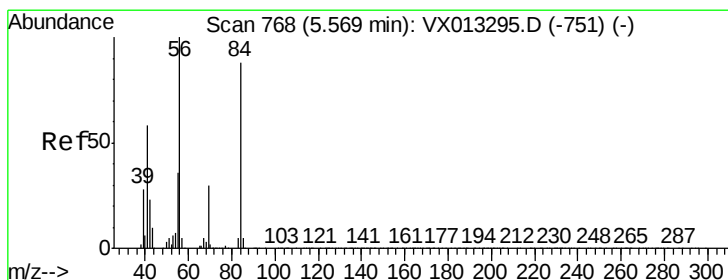
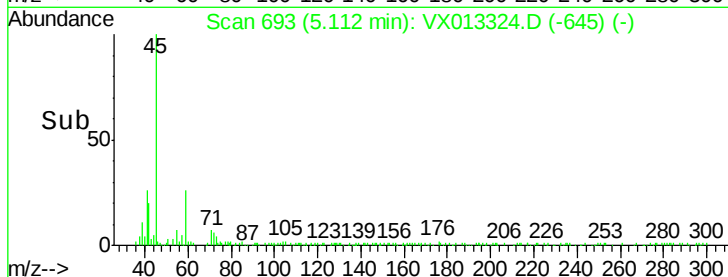
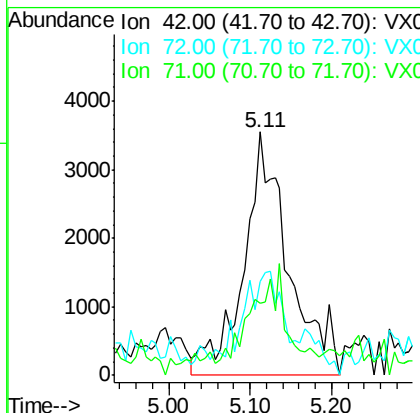
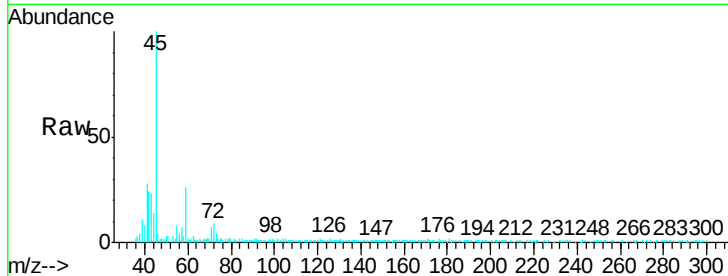
#29
Tetrahydrofuran
Concen: 3.294 ug/l m
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX013324.D
Acq: 04 Nov 2019 15:07

Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	13588		
72	3.1	35.8	53.8#	
71	2.2	33.4	50.0#	

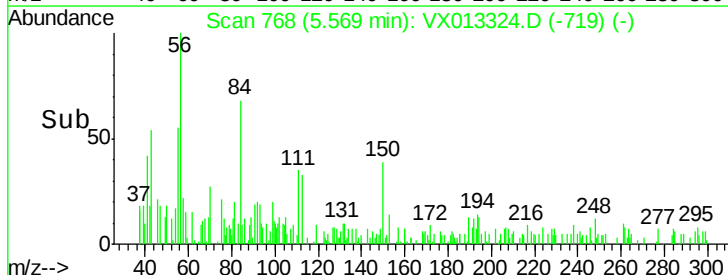
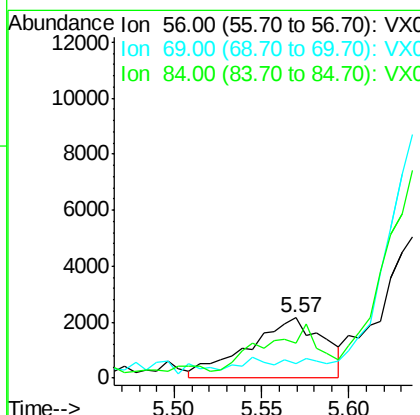
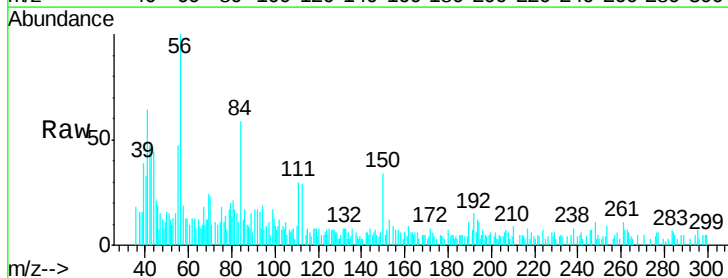
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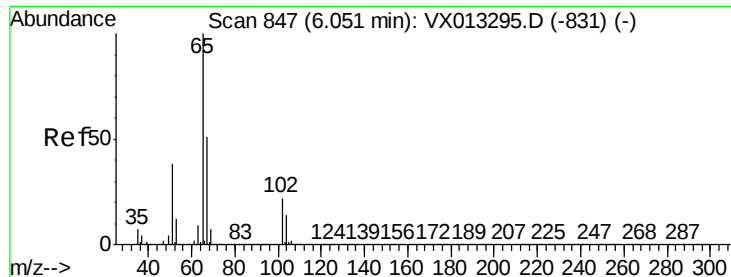
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#31
Cyclohexane
Concen: 0.514 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013324.D
Acq: 04 Nov 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	6432		
69	0.6	23.7	35.5#	
84	43.6	70.6	105.8#	





#33

1,2-Dichloroethane-d4

Concen: 47.726 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX013324.D

Acq: 04 Nov 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER

Tgt Ion: 65 Resp: 436573

Ion Ratio Lower Upper

65 100

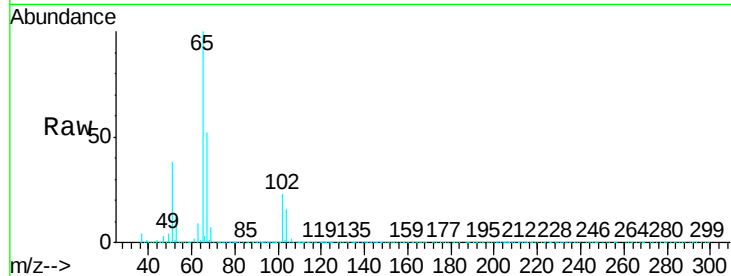
67 52.6 0.0 104.2

Manual Integrations

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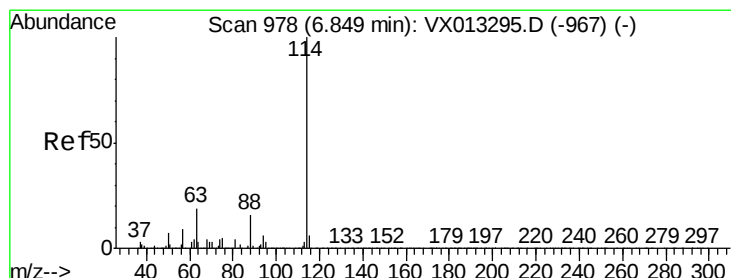
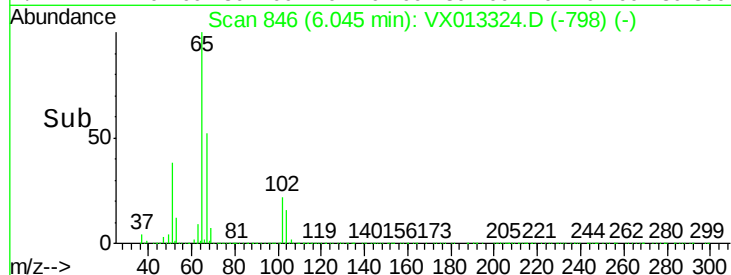
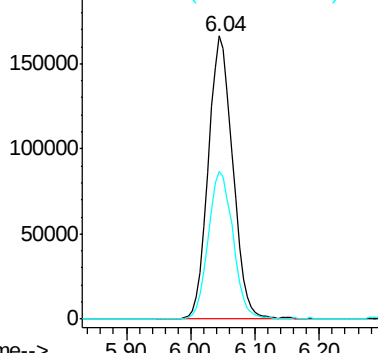
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013324.D

Acq: 04 Nov 2019 15:07

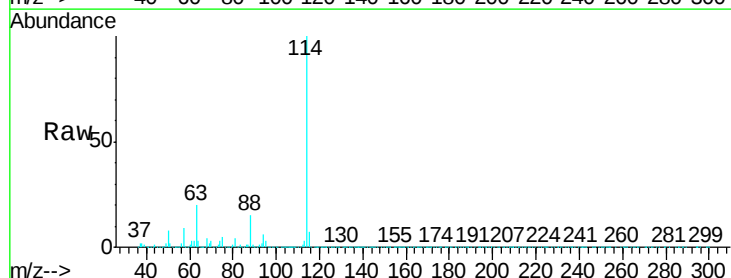
Tgt Ion: 114 Resp: 1187624

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.4

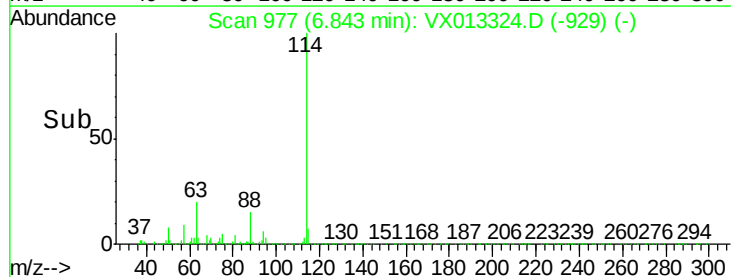
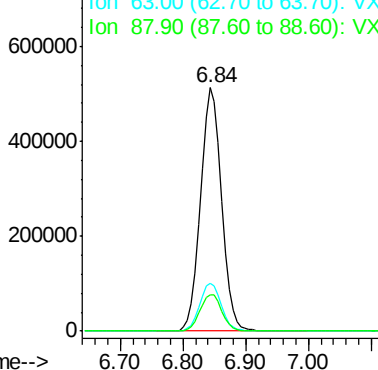
88 14.8 0.0 32.2

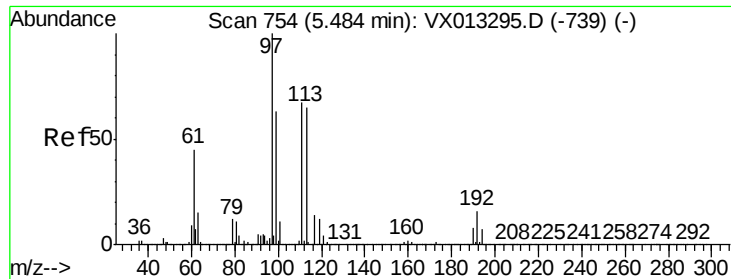


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.216 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX013324.D

Acq: 04 Nov 2019 15:07

Instrument :

MSVOA_X

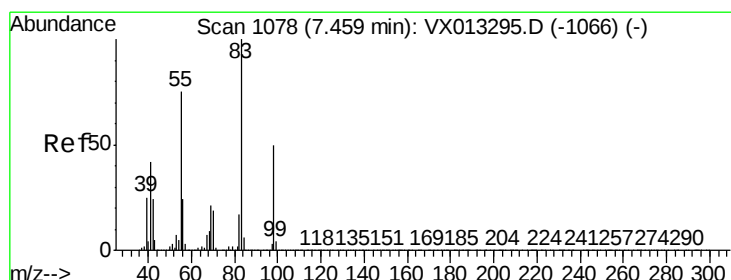
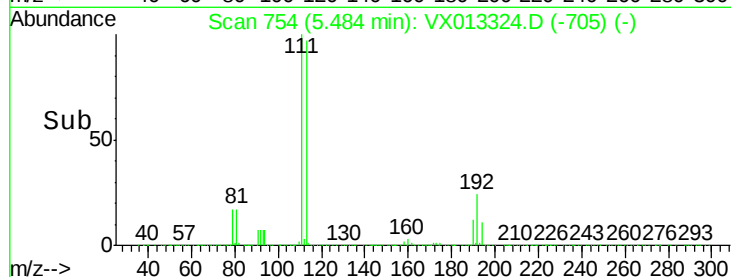
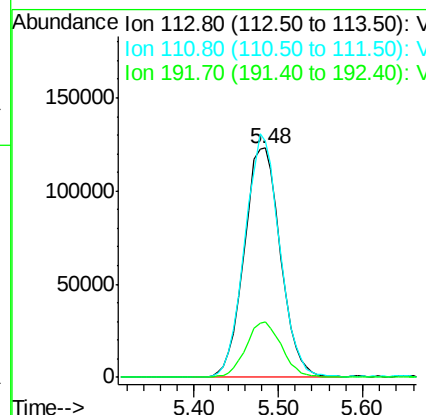
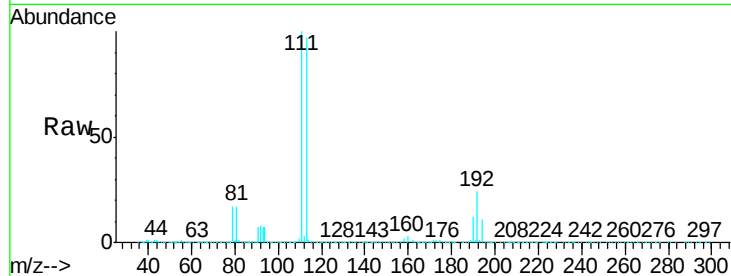
ClientSampleId :

OILY-WATER

Tgt Ion:	113	Resp:	359157
Ion Ratio	Lower	Upper	
113	100		
111	101.4	81.9	122.9
192	23.9	19.1	28.7

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#39

Methylcyclohexane

Concen: 0.594 ug/l

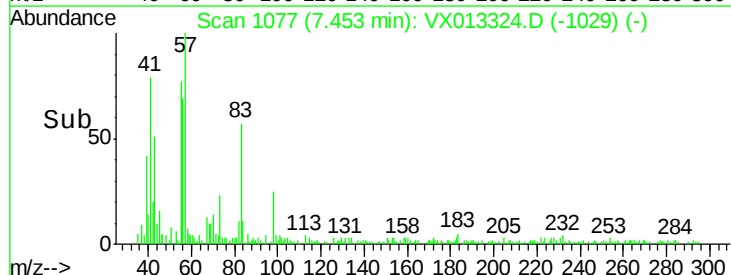
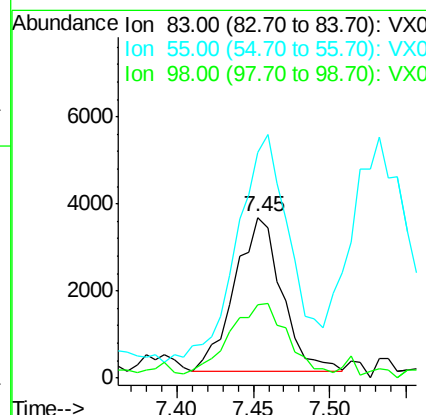
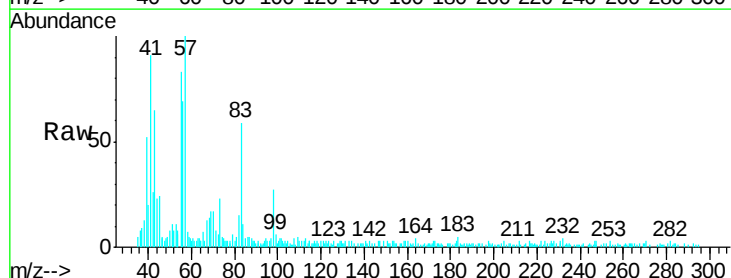
RT: 7.45 min Scan# 1077

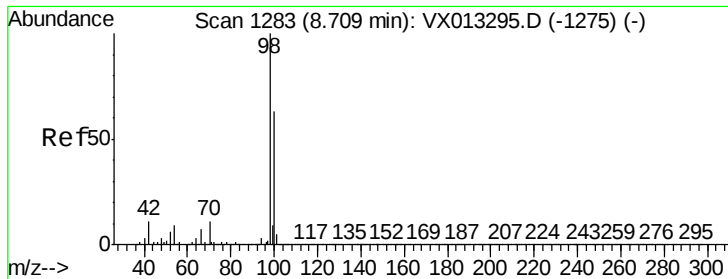
Delta R.T. -0.01 min

Lab File: VX013324.D

Acq: 04 Nov 2019 15:07

Tgt Ion:	83	Resp:	7541
Ion Ratio	Lower	Upper	
83	100		
55	126.9	60.3	90.5#
98	43.7	40.3	60.5





#50

Toluene-d8

Concen: 50.437 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013324.D

Acq: 04 Nov 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER

Tgt Ion: 98 Resp: 1416367

Ion Ratio Lower Upper

98 100

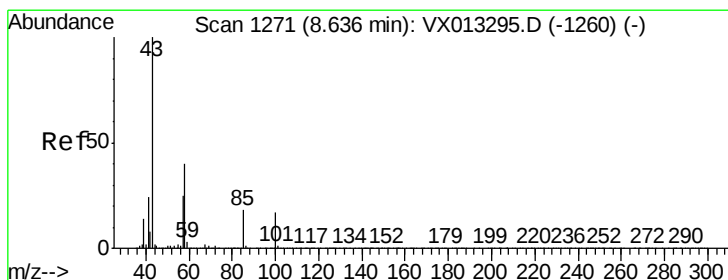
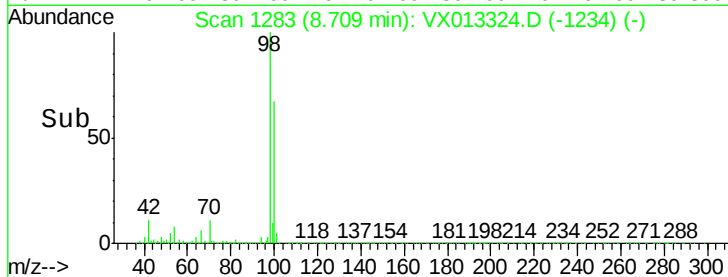
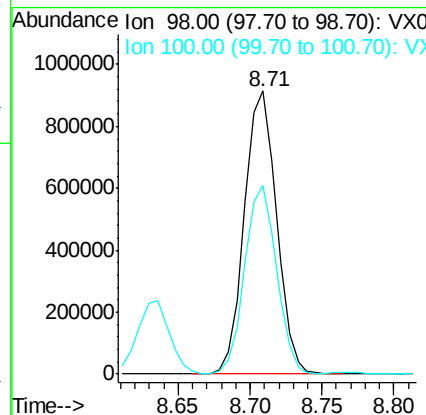
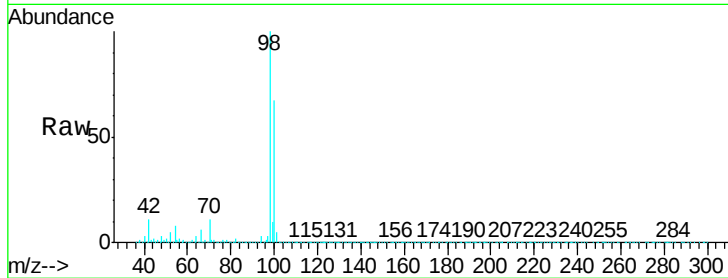
100 65.3 52.2 78.2

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#51

4-Methyl-2-Pentanone

Concen: 172.915 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX013324.D

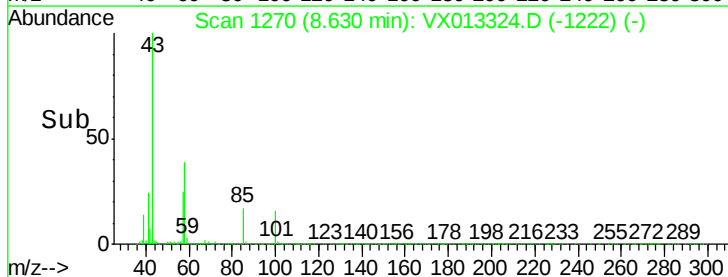
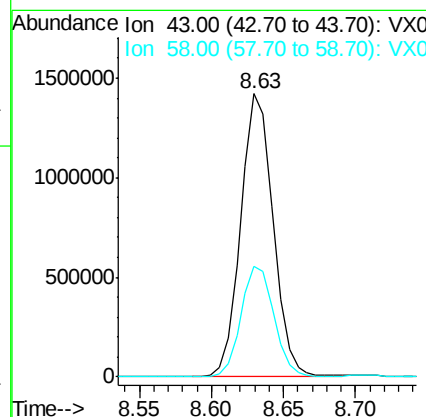
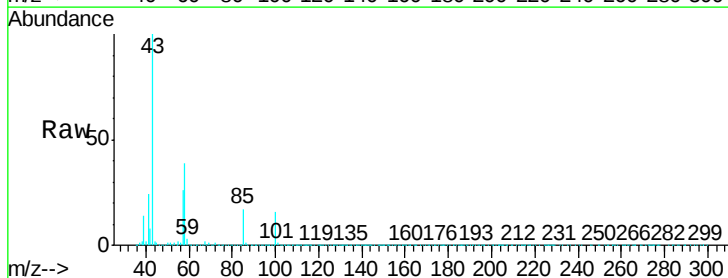
Acq: 04 Nov 2019 15:07

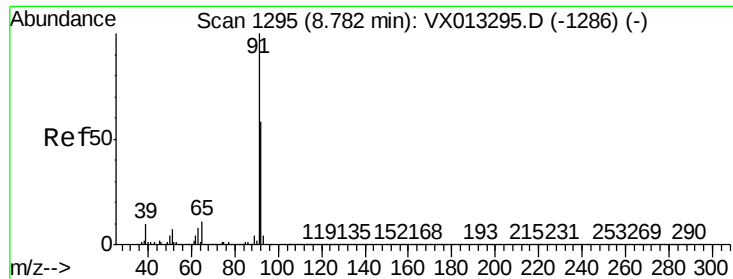
Tgt Ion: 43 Resp: 2224011

Ion Ratio Lower Upper

43 100

58 39.7 31.4 47.0





#52

Toluene

Concen: 0.591 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013324.D

Acq: 04 Nov 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER

Tgt Ion: 92 Resp: 11616

Ion Ratio Lower Upper

92 100

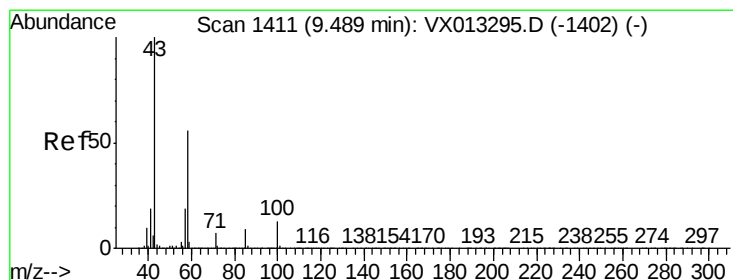
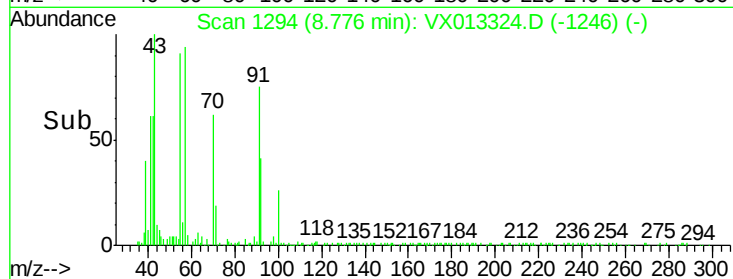
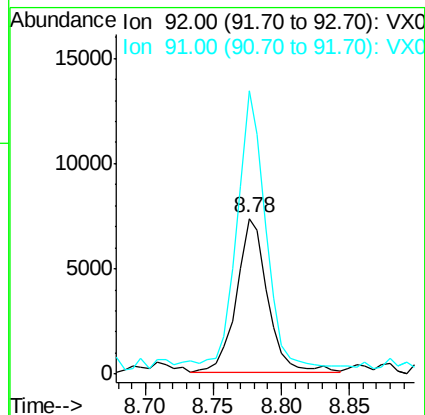
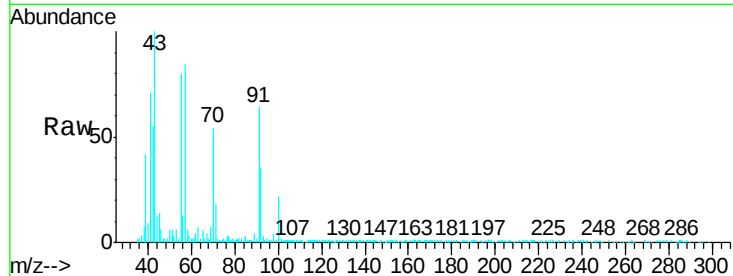
91 167.0 138.0 207.0

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#59

2-Hexanone

Concen: 32.992 ug/l

RT: 9.48 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX013324.D

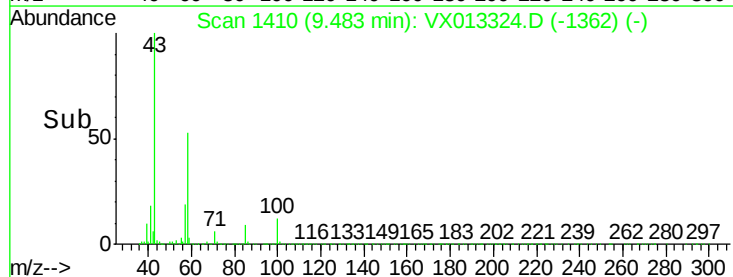
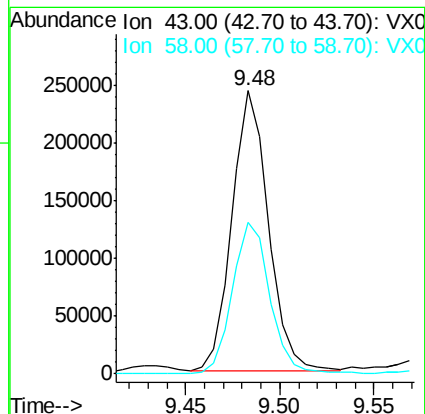
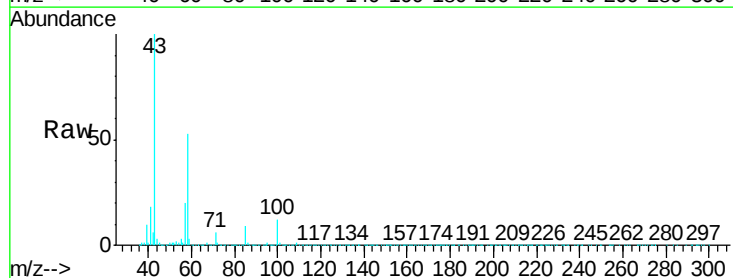
Acq: 04 Nov 2019 15:07

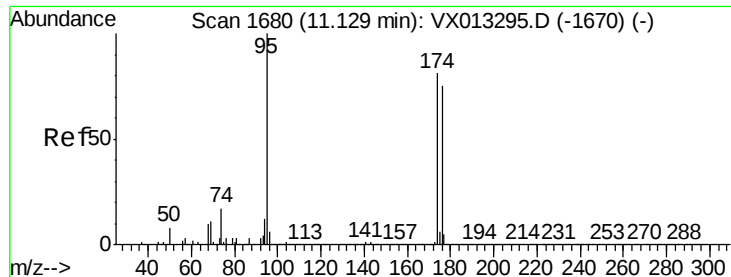
Tgt Ion: 43 Resp: 327922

Ion Ratio Lower Upper

43 100

58 55.1 27.3 81.8





#62

4-Bromofluorobenzene

Concen: 49.272 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013324.D

Acq: 04 Nov 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER

Tgt Ion: 95 Resp: 499362

Ion Ratio Lower Upper

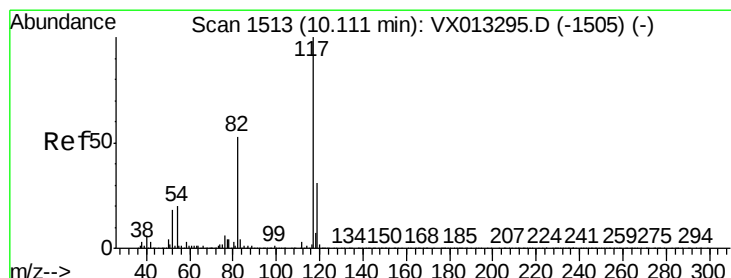
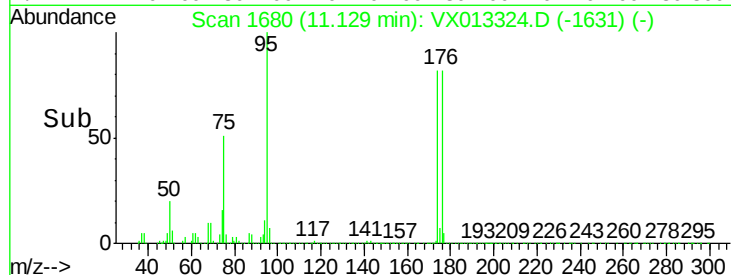
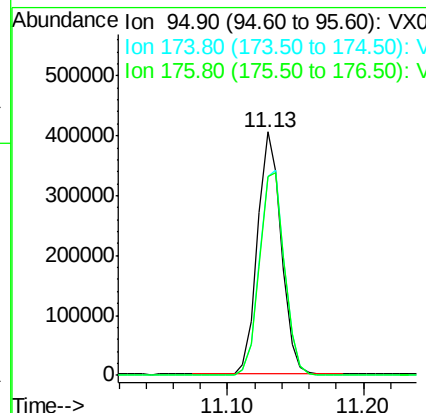
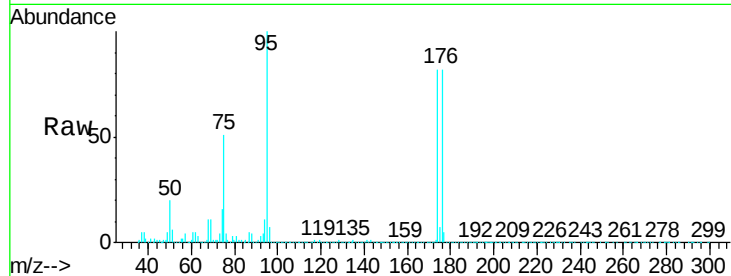
95 100

174 88.8 0.0 179.8

176 87.8 0.0 173.0

Manual Integrations
APPROVED

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX013324.D

Acq: 04 Nov 2019 15:07

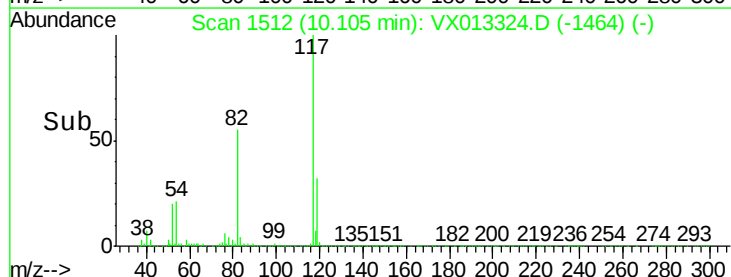
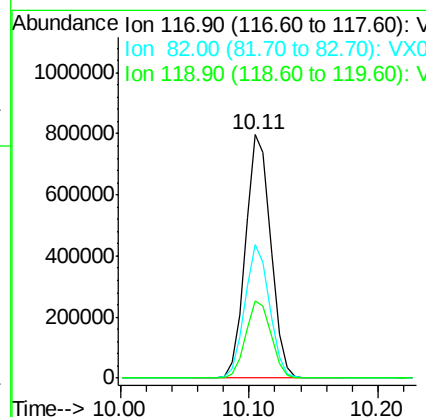
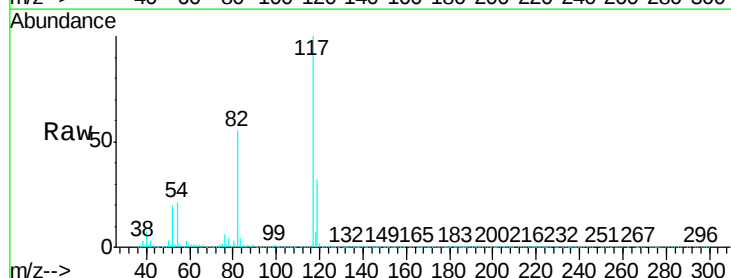
Tgt Ion: 117 Resp: 1073910

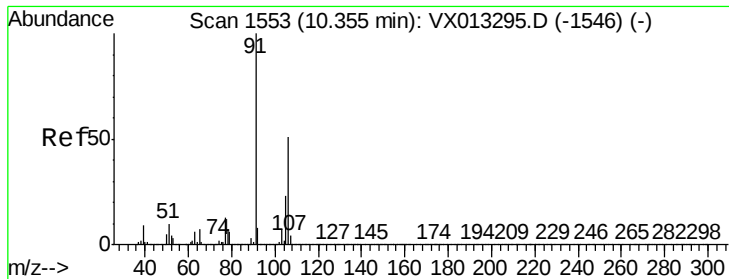
Ion Ratio Lower Upper

117 100

82 54.5 42.6 64.0

119 31.6 24.8 37.2





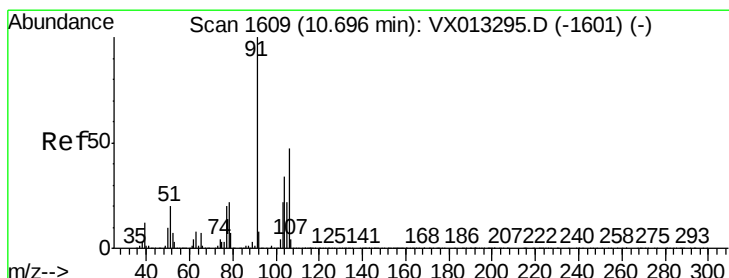
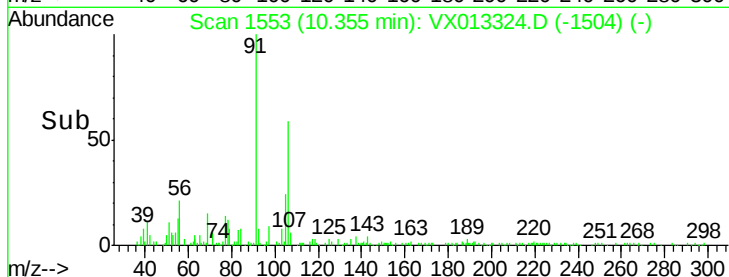
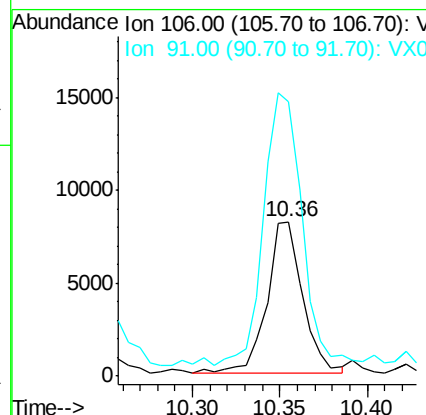
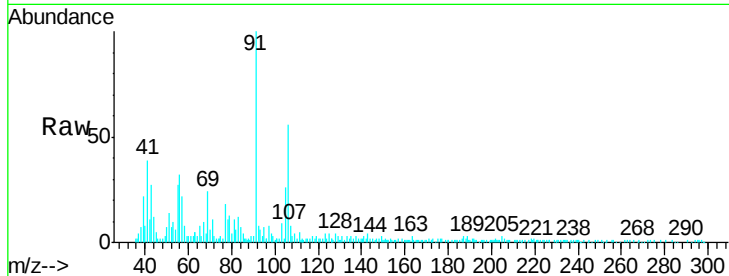
#68
m/p-Xylenes
Concen: 0.808 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013324.D
Acq: 04 Nov 2019 15:07

Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER

Tgt Ion:106 Resp: 11467
Ion Ratio Lower Upper
106 100
91 196.5 159.3 238.9

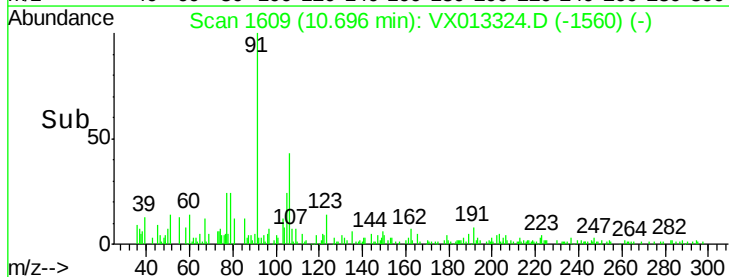
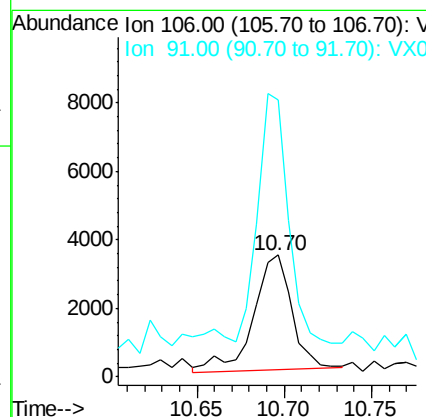
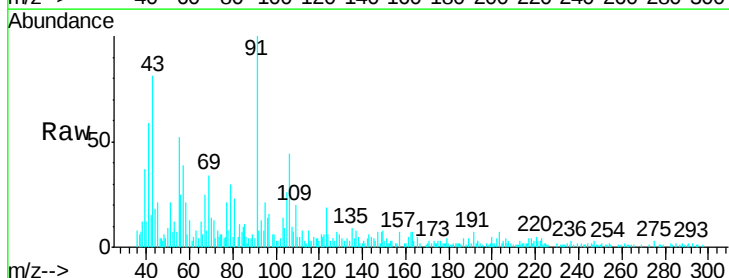
Manual Integrations
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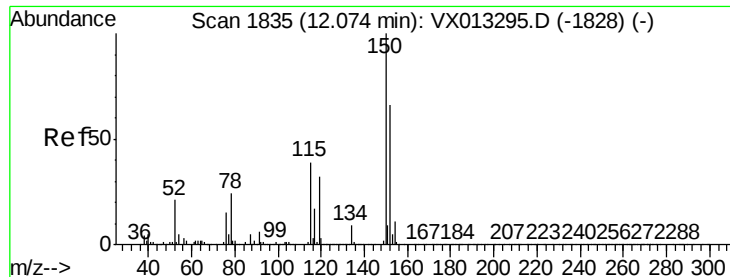
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#69
o-Xylene
Concen: 0.373 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013324.D
Acq: 04 Nov 2019 15:07

Tgt Ion:106 Resp: 5189
Ion Ratio Lower Upper
106 100
91 190.3 105.7 317.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013324.D

Acq: 04 Nov 2019 15:07

Instrument :

MSVOA_X

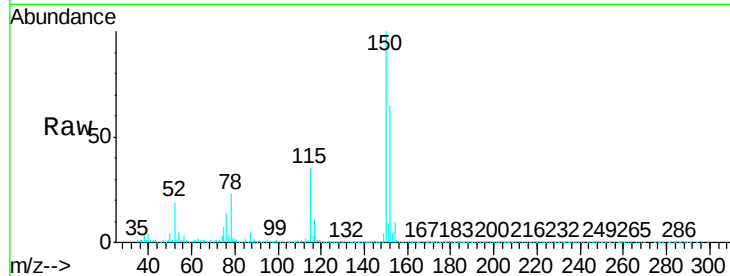
ClientSampleId :

OILY-WATER

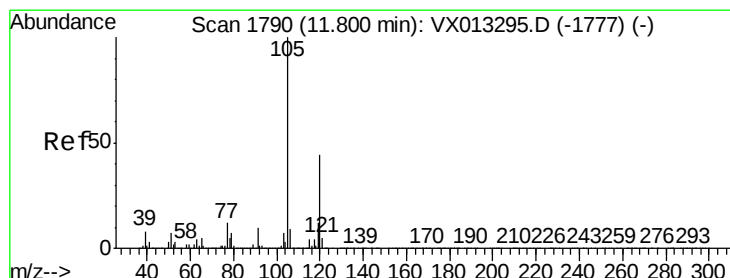
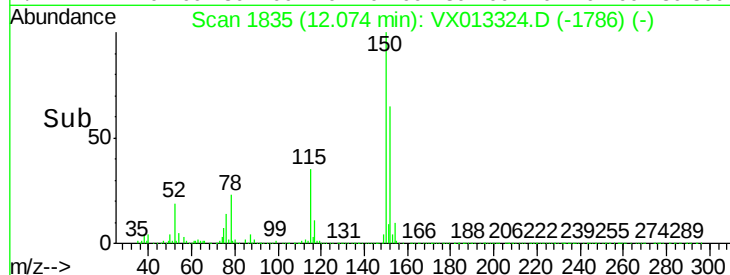
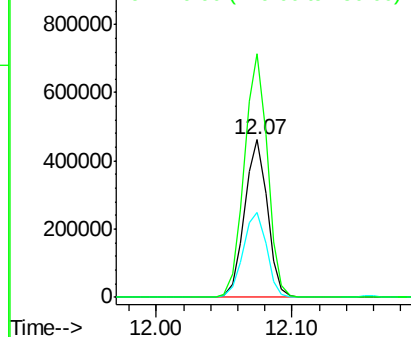
Tgt Ion:	152	Resp:	538953
Ion Ratio	Lower	Upper	
152	100		
115	55.8	39.5	118.3
150	156.1	0.0	344.4

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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



#84

1,2,4-Trimethylbenzene

Concen: 0.710 ug/l

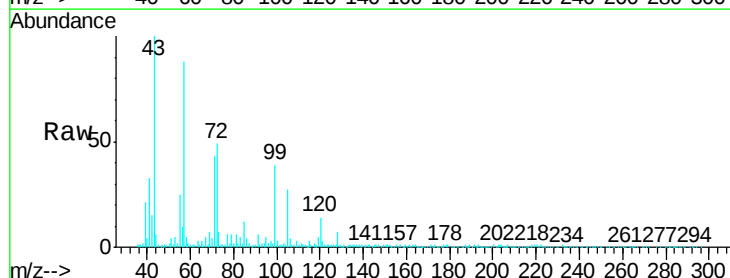
RT: 11.80 min Scan# 1790

Delta R.T. 0.00 min

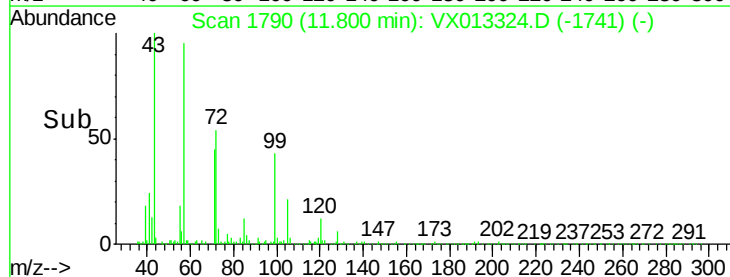
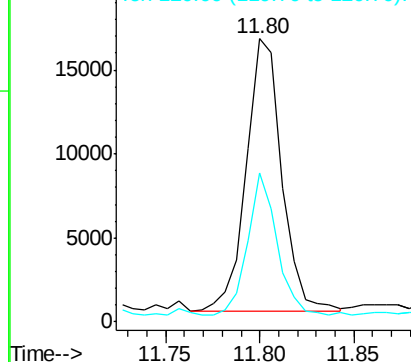
Lab File: VX013324.D

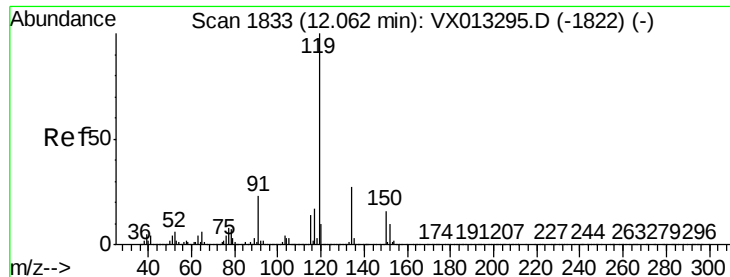
Acq: 04 Nov 2019 15:07

Tgt Ion:	105	Resp:	21203
Ion Ratio	Lower	Upper	
105	100		
120	42.9	22.7	68.1



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





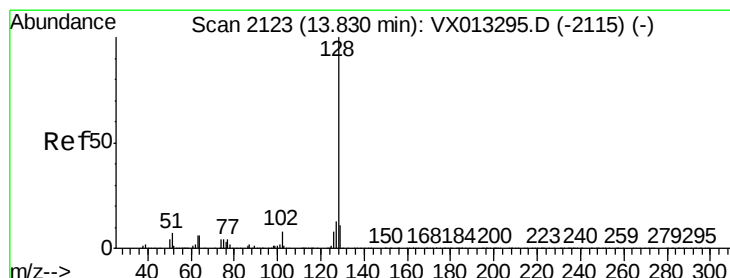
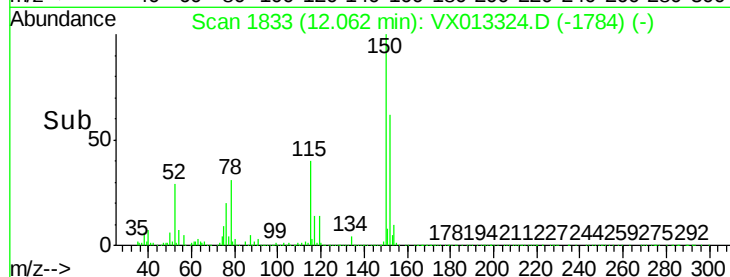
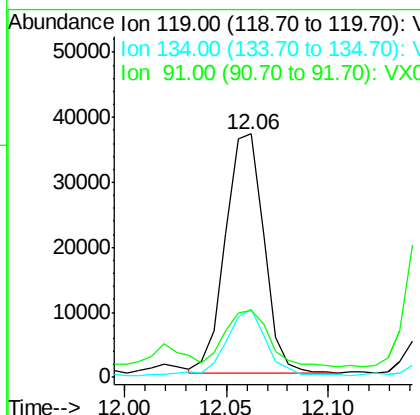
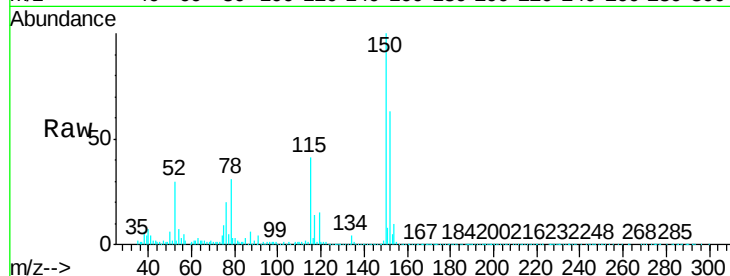
#86
p-Isopropyltoluene
Concen: 1.525 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX013324.D
Acq: 04 Nov 2019 15:07

Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER

Tgt Ion	Ratio	Lower	Upper
119	100		
134	29.2	13.3	39.8
91	27.1	11.5	34.4

Manual Integrations
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#95
Naphthalene
Concen: 0.902 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013324.D
Acq: 04 Nov 2019 15:07

Tgt Ion	Ratio	Lower	Upper
128	100		
127	20.0	10.2	15.2#
129	15.6	8.5	12.7#

