

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
 Data File : VX010628.D
 Acq On : 02 Jul 2019 19:31
 Operator : JC/SP
 Sample : K3632-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OIL-WATER-SEPERATOR-4-(OWS)-

Quant Time: Jul 03 04:07:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	237000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	366870	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	344525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160435	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	117407	52.84	ug/l	0.00
Spiked Amount			Recovery	=	105.68%	
35) Dibromofluoromethane	5.50	113	114883	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
50) Toluene-d8	8.71	98	438256	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
62) 4-Bromofluorobenzene	11.13	95	149941	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	

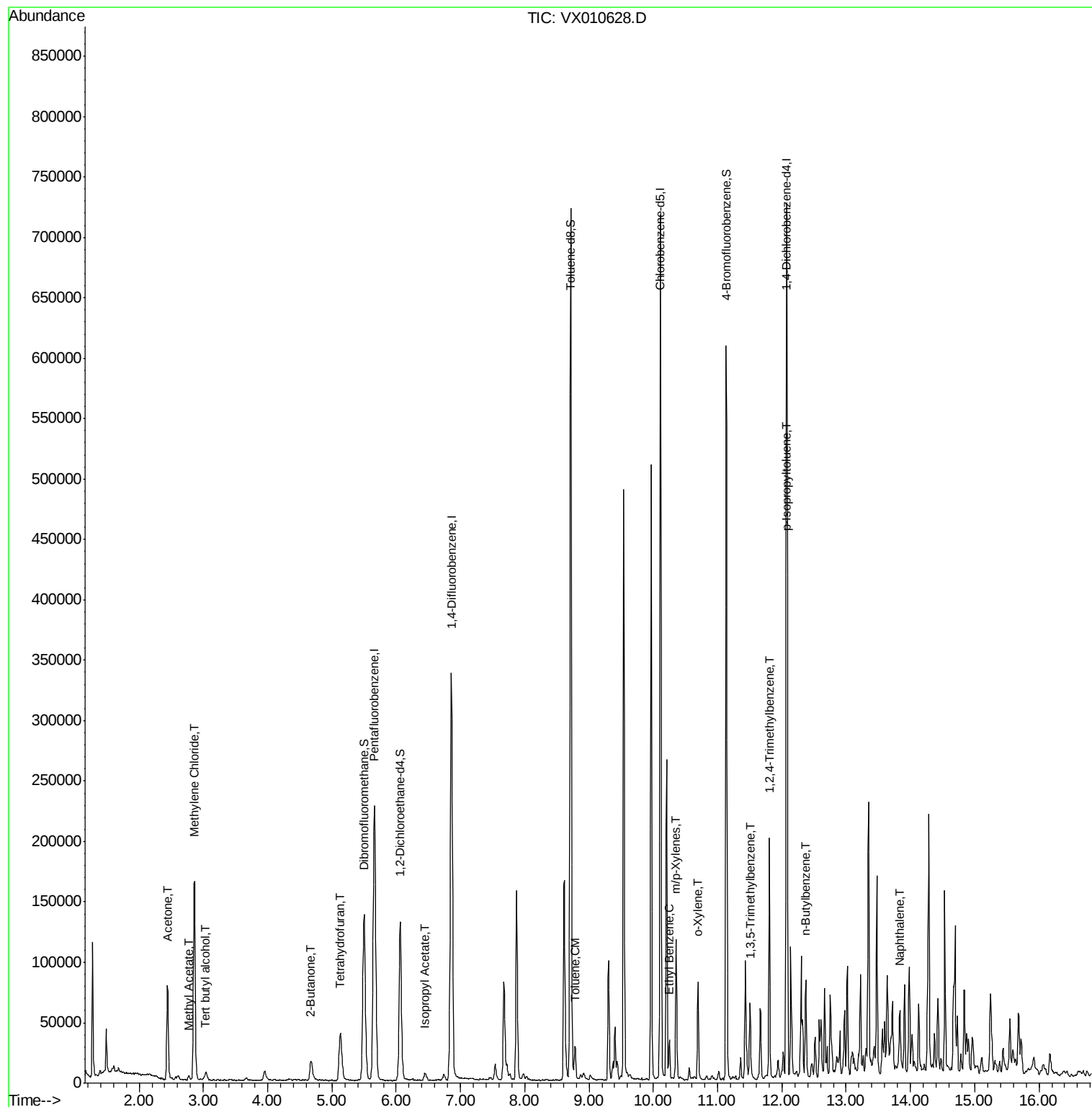
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	8409	14.462	ug/l #	86
16) Acetone	2.44	43	80776	72.532	ug/l	98
18) Methyl Acetate	2.78	43	4193	1.889	ug/l #	86
20) Methylene Chloride	2.86	84	84260	36.765	ug/l	97
25) 2-Butanone	4.68	43	27493	16.830	ug/l	99
29) Tetrahydrofuran	5.13	42	38011	37.566	ug/l	95
43) Isopropyl Acetate	6.44	43	8214	1.655	ug/l	98
52) Toluene	8.79	92	9348	1.563	ug/l	100
67) Ethyl Benzene	10.25	91	18024	1.526	ug/l	97
68) m/p-Xylenes	10.35	106	28406	6.208	ug/l	98
69) o-Xylene	10.69	106	13525	3.006	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	25121	2.802	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	86453	9.598	ug/l	100
86) p-Isopropyltoluene	12.06	119	15238	1.559	ug/l	97
89) n-Butylbenzene	12.37	91	9876	1.189	ug/l #	22
95) Naphthalene	13.83	128	32531	2.897	ug/l #	96

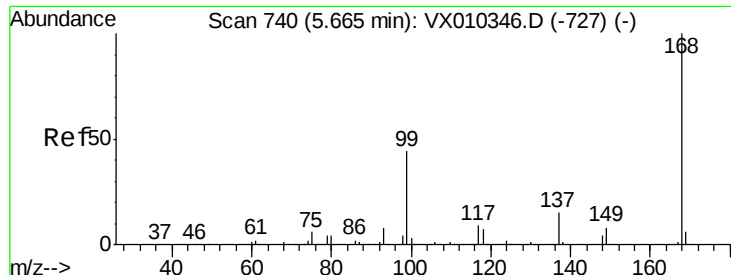
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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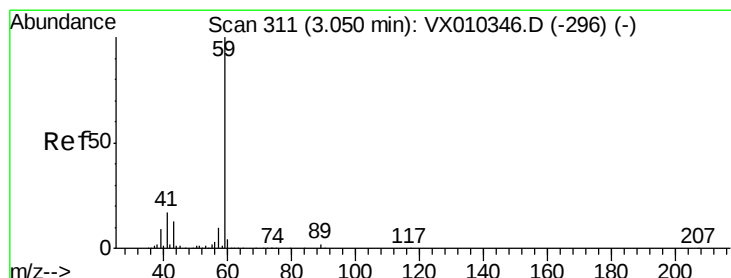
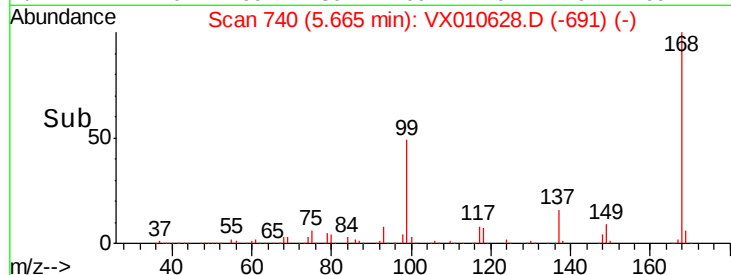
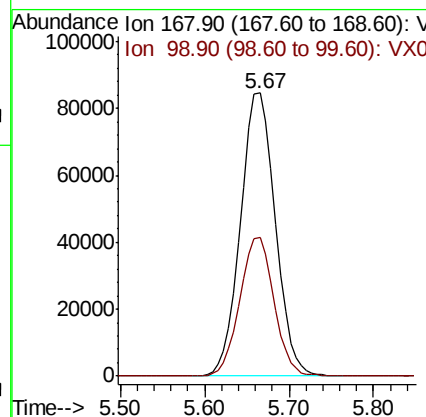
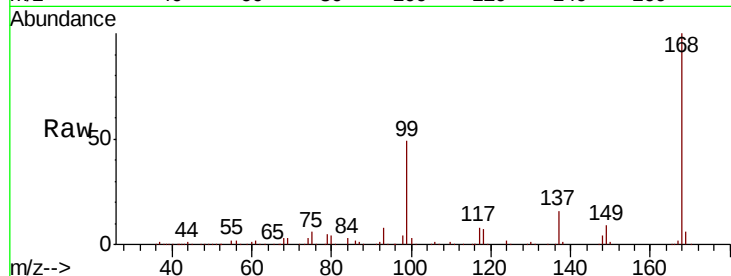




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX010628.D
Acq: 02 Jul 2019 19:31

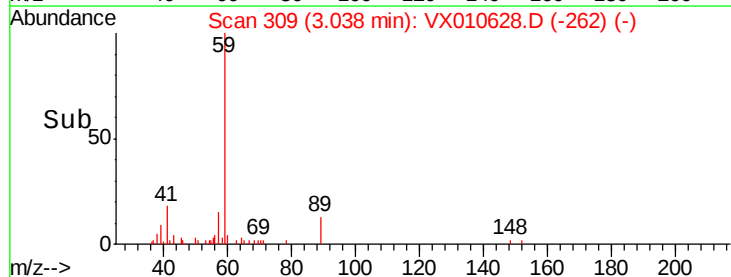
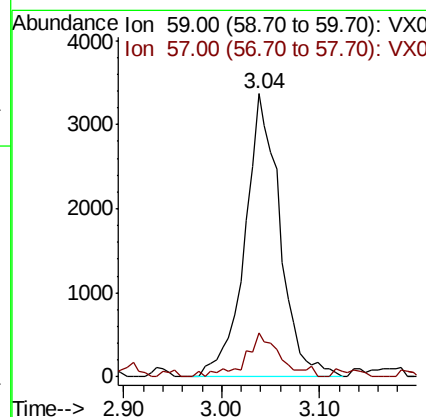
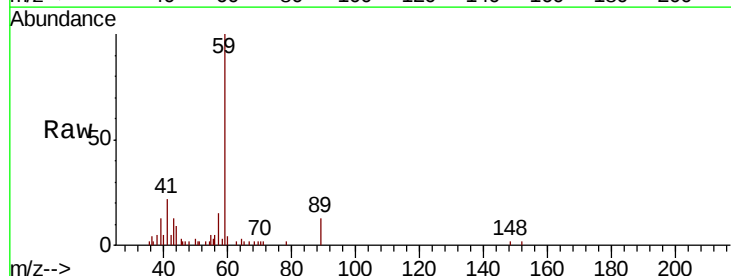
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ClientSampleId :
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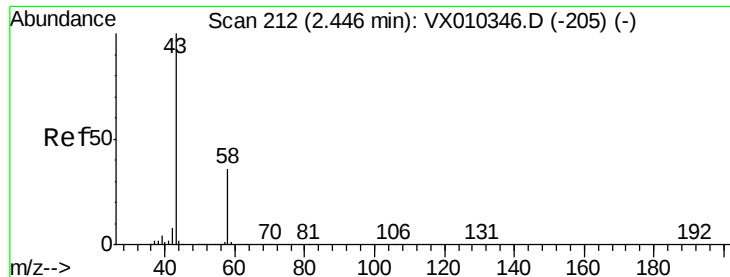
Tot Ion:168 Resp: 237000
Ion Ratio Lower Upper
168 100
99 48.9 35.5 53.3



#11
Tert butyl alcohol
Concen: 14.462 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX010628.D
Acq: 02 Jul 2019 19:31

Tgt Ion: 59 Resp: 8409
Ion Ratio Lower Upper
59 100
57 14.9 7.7 11.5#

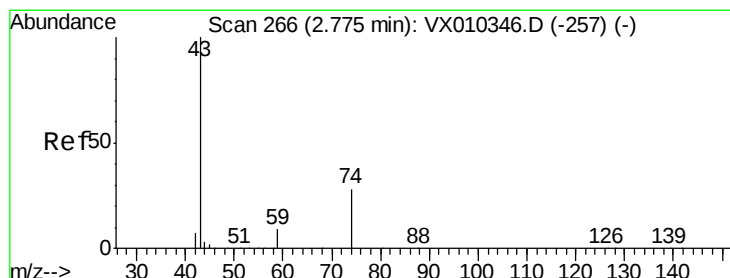
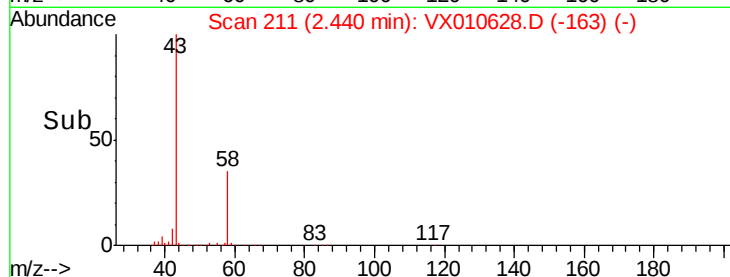
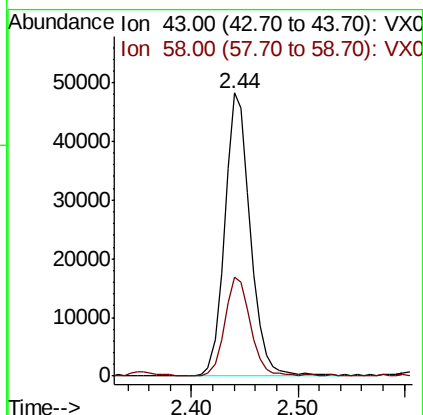
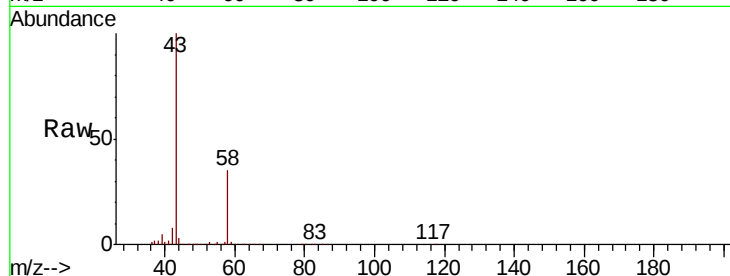




#16
Acetone
Concen: 72.532 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX010628.D
Acq: 02 Jul 2019 19:31

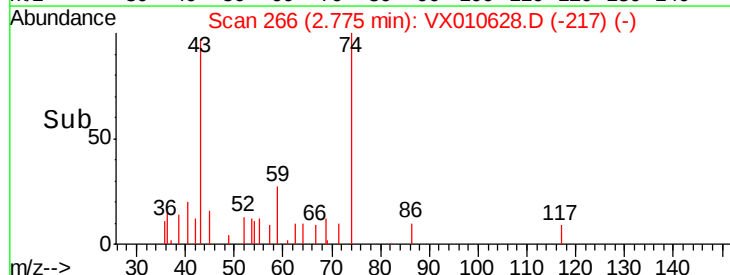
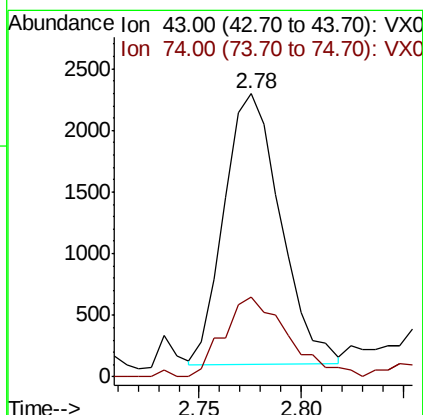
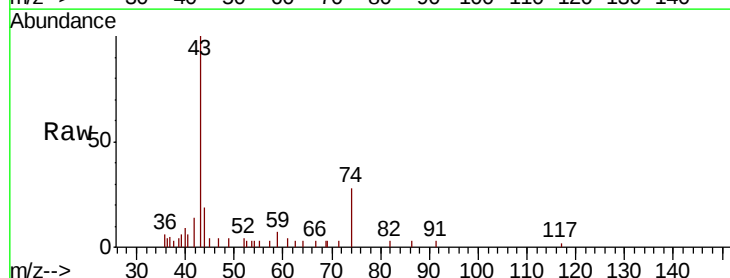
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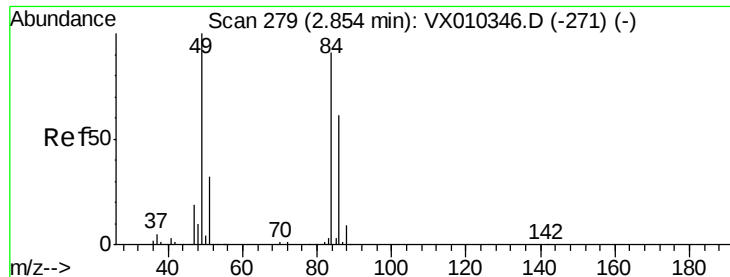
Tot Ion: 43 Resp: 80776
Ion Ratio Lower Upper
43 100
58 35.1 28.9 43.3



#18
Methyl Acetate
Concen: 1.889 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010628.D
Acq: 02 Jul 2019 19:31

Tgt Ion: 43 Resp: 4193
Ion Ratio Lower Upper
43 100
74 33.7 21.3 31.9#

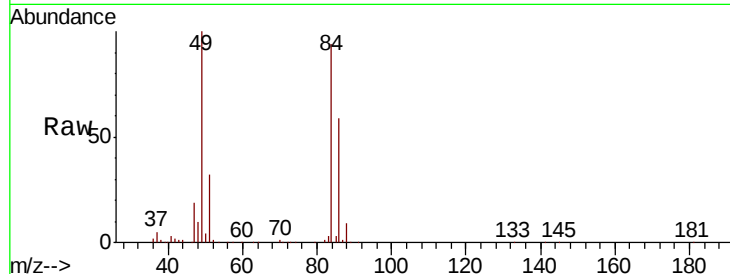




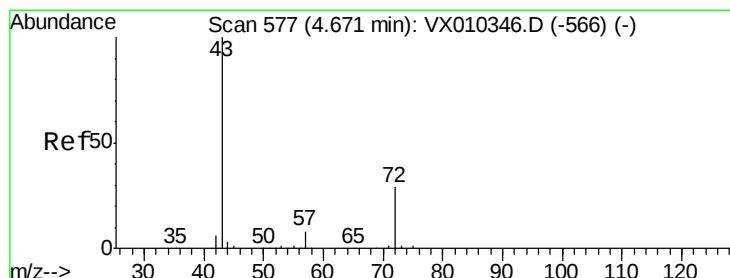
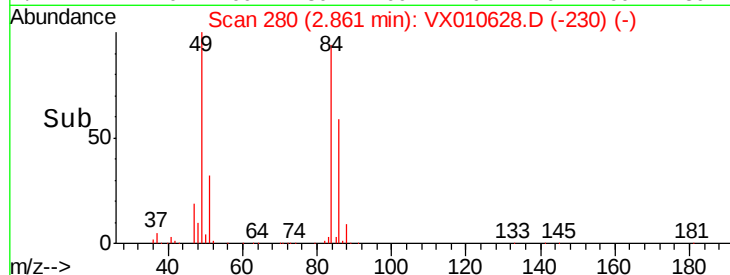
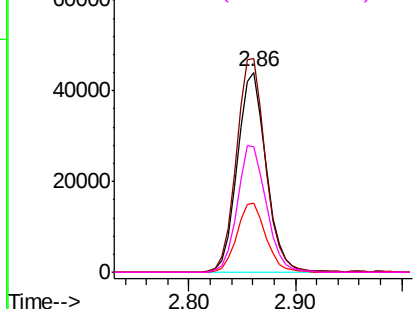
#20
Methylene Chloride
Concen: 36.765 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010628.D
Acq: 02 Jul 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
OIL-WATER-SEPARATOR-4-(OWS)-

Tot Ion: 84 Resp: 84260
Ion Ratio Lower Upper
84 100
49 106.7 87.5 131.3
51 34.4 27.7 41.5
86 62.7 53.4 80.0

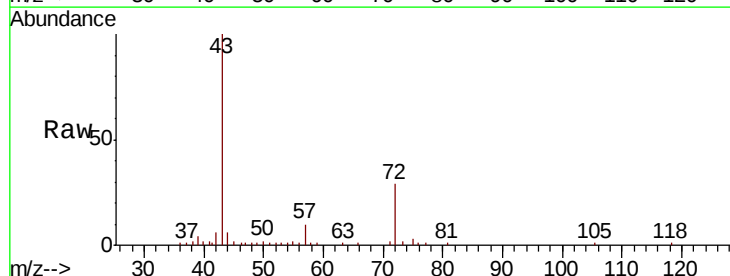


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

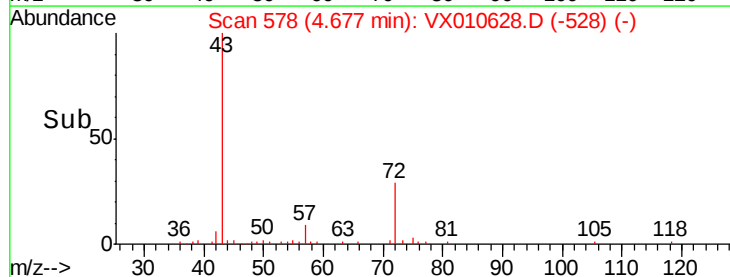
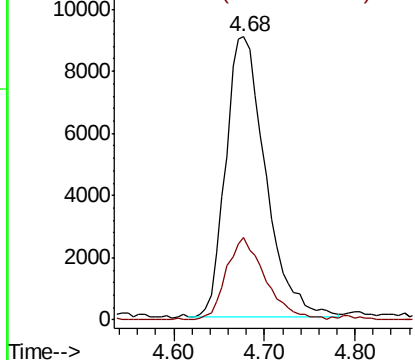


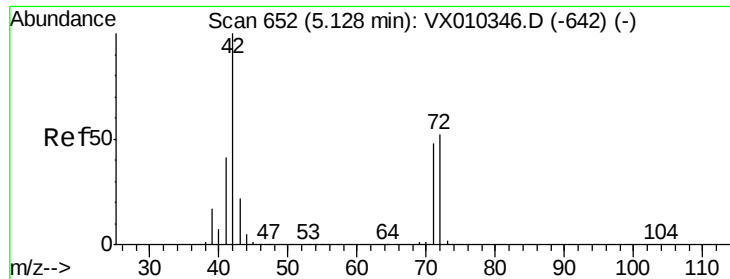
#25
2-Butanone
Concen: 16.830 ug/l
RT: 4.68 min Scan# 578
Delta R.T. 0.01 min
Lab File: VX010628.D
Acq: 02 Jul 2019 19:31

Tgt Ion: 43 Resp: 27493
Ion Ratio Lower Upper
43 100
72 29.4 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 37.566 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010628.D

Acq: 02 Jul 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

OIL-WATER-SEPARATOR-4-(OWS)-

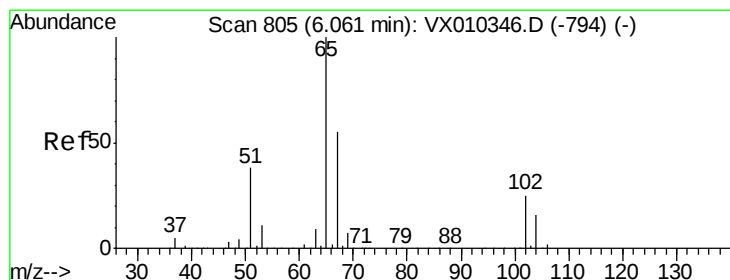
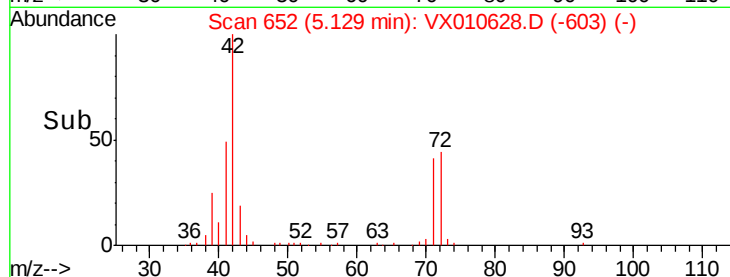
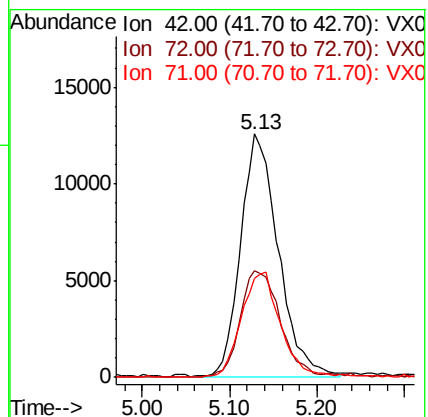
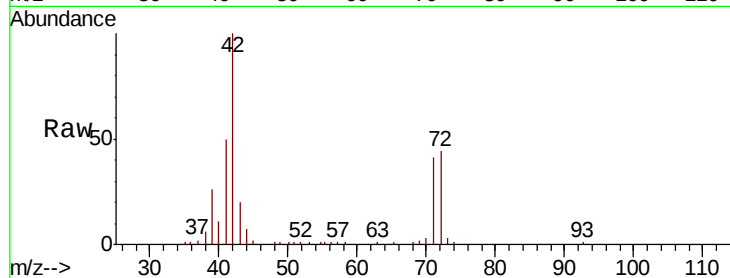
Tot Ion: 42 Resp: 38011

Ion Ratio Lower Upper

42 100

72 46.8 40.6 60.8

71 44.6 37.8 56.8



#33

1,2-Dichloroethane-d4

Concen: 52.836 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010628.D

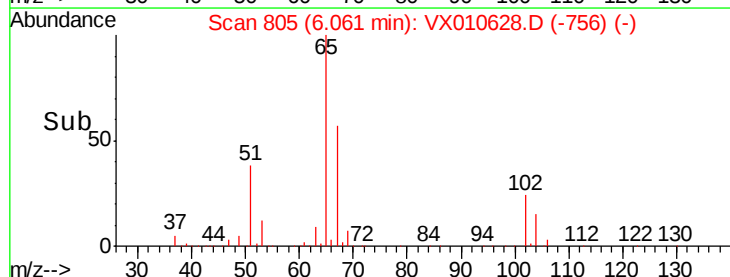
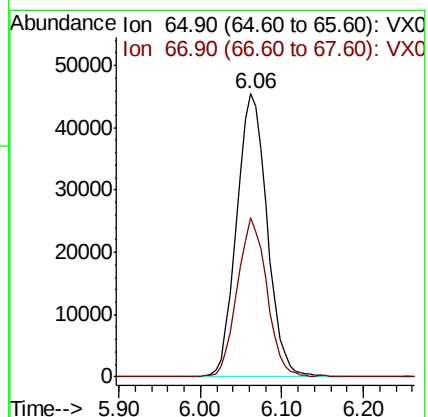
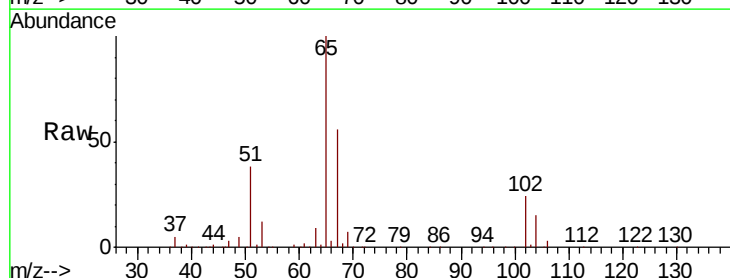
Acq: 02 Jul 2019 19:31

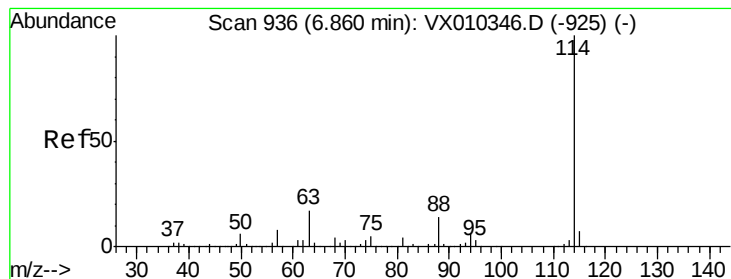
Tgt Ion: 65 Resp: 117407

Ion Ratio Lower Upper

65 100

67 54.7 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010628.D

Acq: 02 Jul 2019 19:31

Instrument :

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ClientSampleId :

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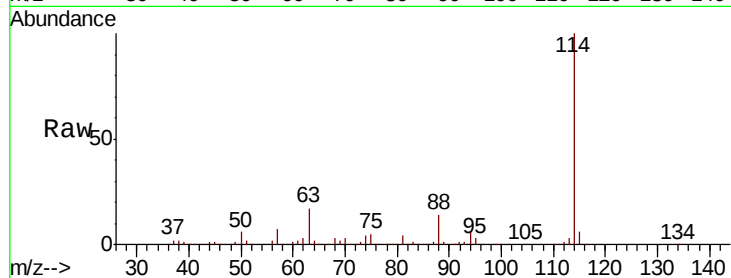
Tot Ion:114 Resp: 366870

Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.8

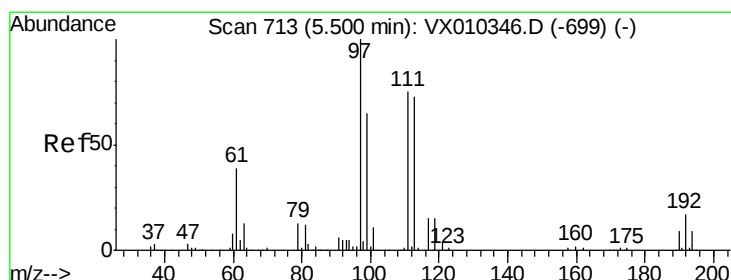
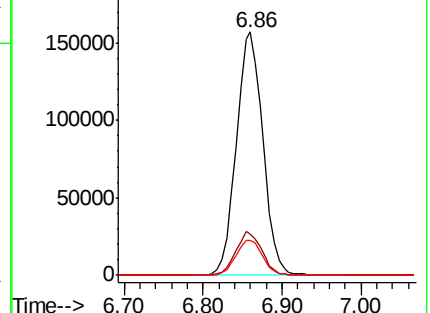
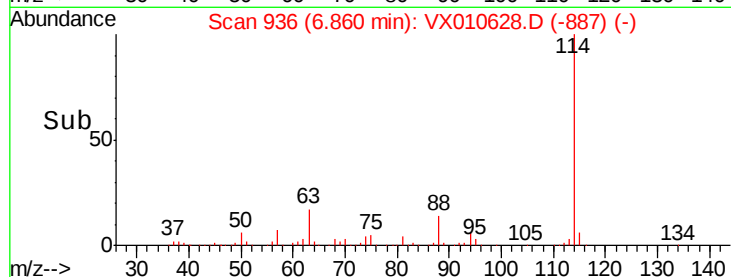
88 14.2 0.0 27.6



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: 51.181 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010628.D

Acq: 02 Jul 2019 19:31

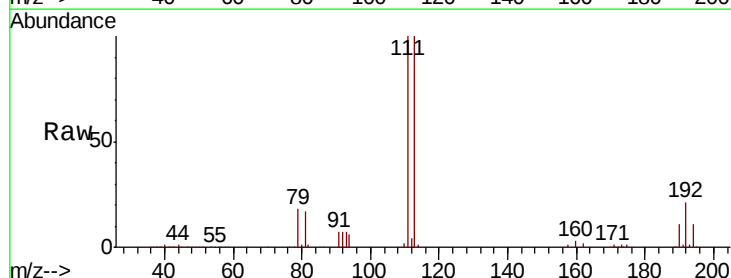
Tgt Ion:113 Resp: 114883

Ion Ratio Lower Upper

113 100

111 100.4 81.2 121.8

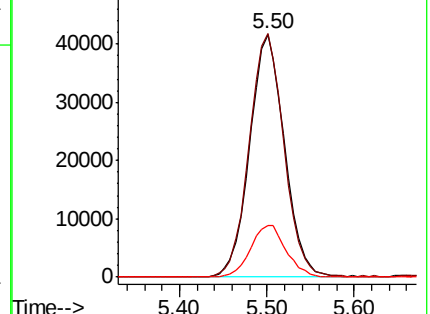
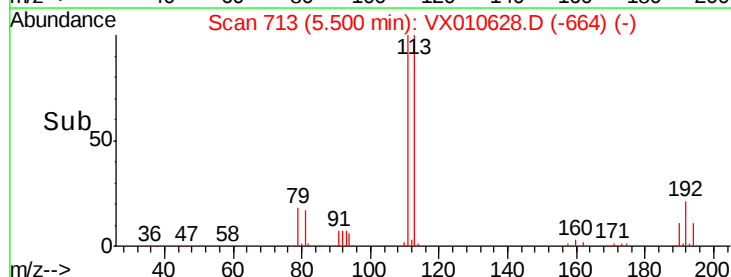
192 22.0 18.6 27.8

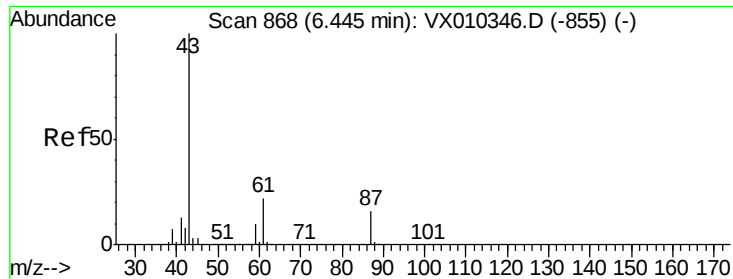


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 1.655 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX010628.D

Acq: 02 Jul 2019 19:31

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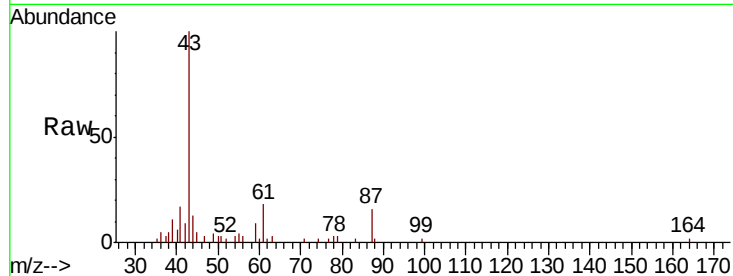
Tot Ion: 43 Resp: 8214

Ion Ratio Lower Upper

43 100

61 21.0 17.8 26.6

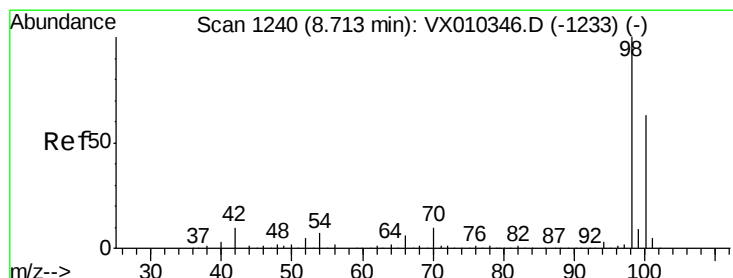
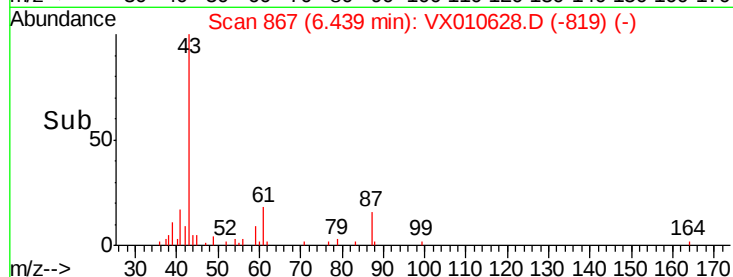
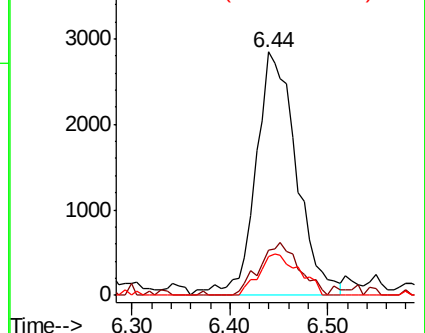
87 16.7 13.0 19.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 51.034 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010628.D

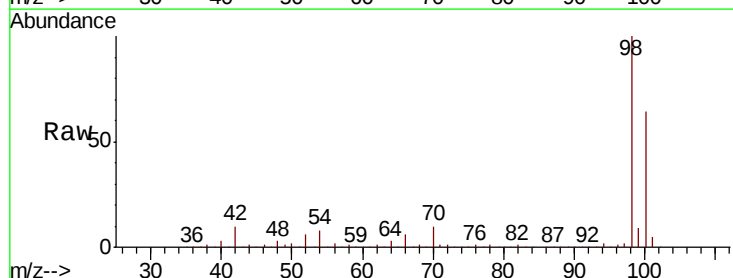
Acq: 02 Jul 2019 19:31

Tgt Ion: 98 Resp: 438256

Ion Ratio Lower Upper

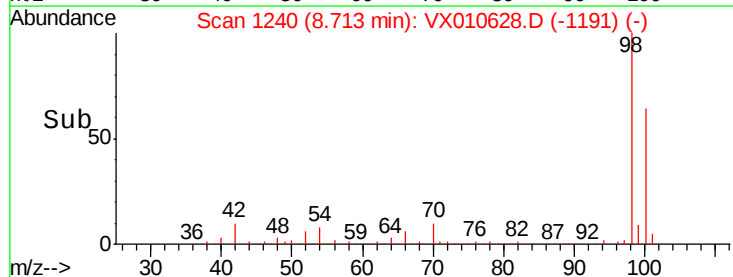
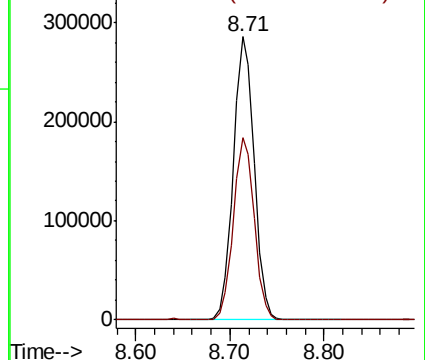
98 100

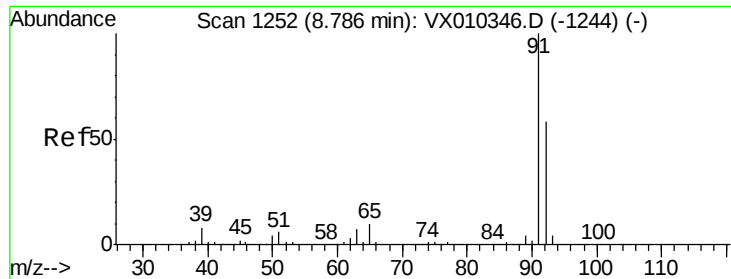
100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 1.563 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010628.D

Acq: 02 Jul 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

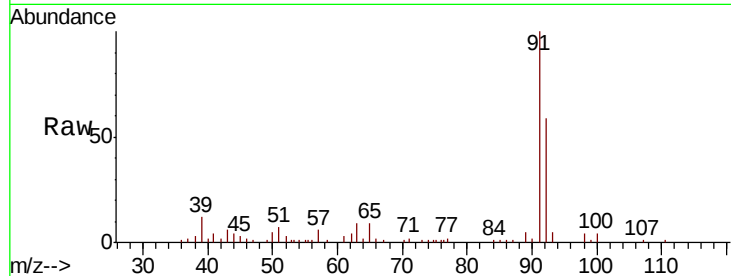
OIL-WATER-SEPARATOR-4-(OWS)-

Tot Ion: 92 Resp: 9348

Ion Ratio Lower Upper

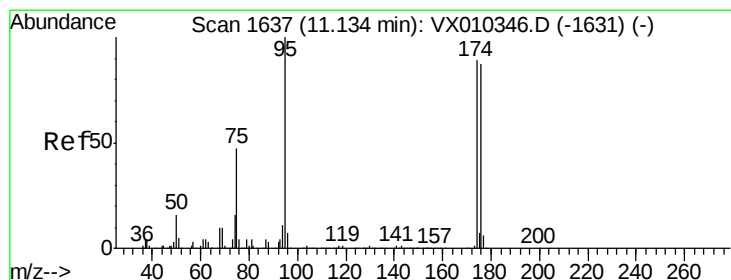
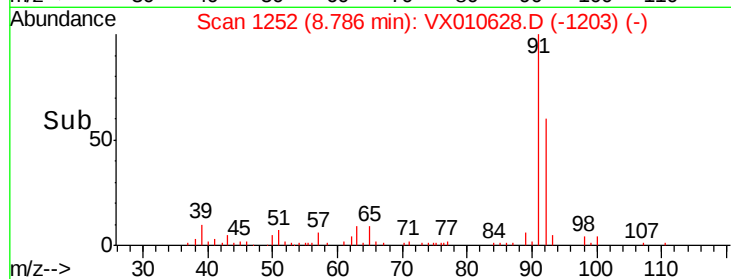
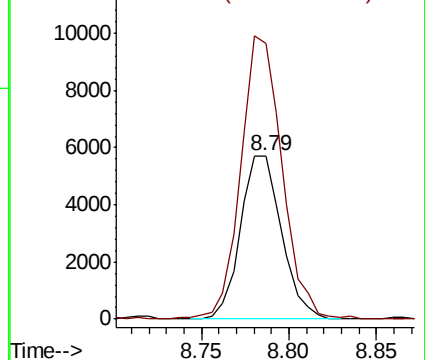
92 100

91 174.4 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 48.363 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010628.D

Acq: 02 Jul 2019 19:31

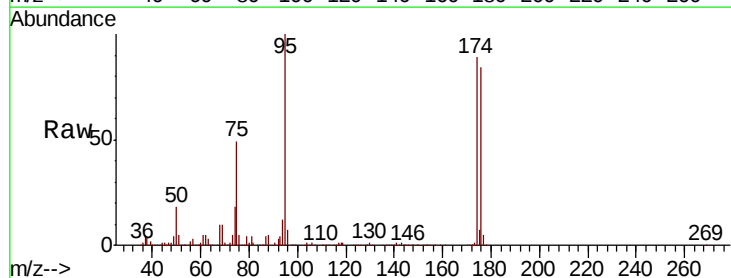
Tgt Ion: 95 Resp: 149941

Ion Ratio Lower Upper

95 100

174 93.3 0.0 187.6

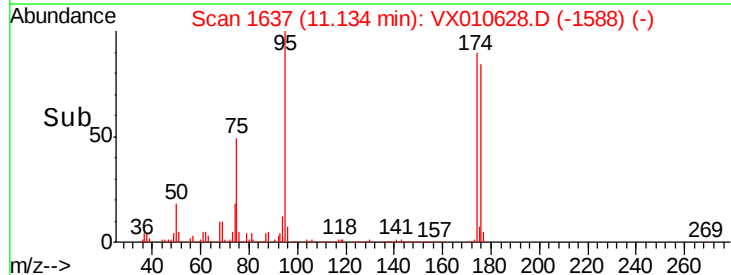
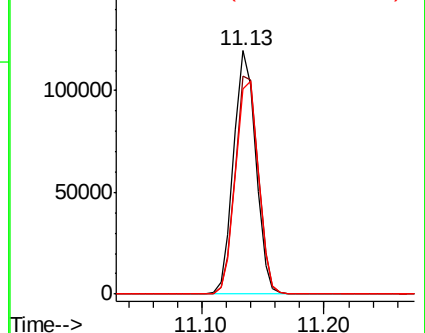
176 90.5 0.0 184.0

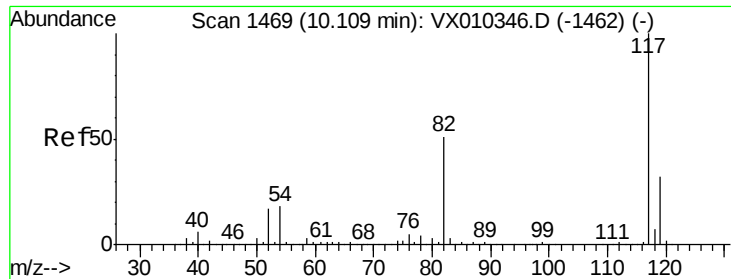


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

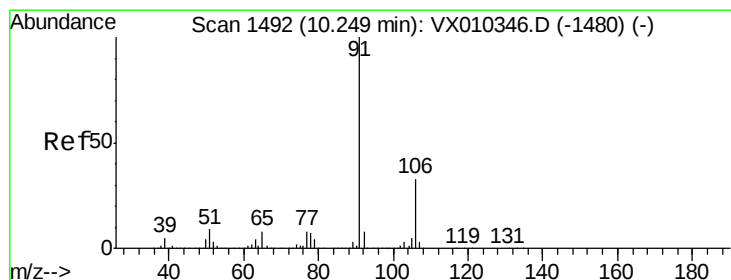
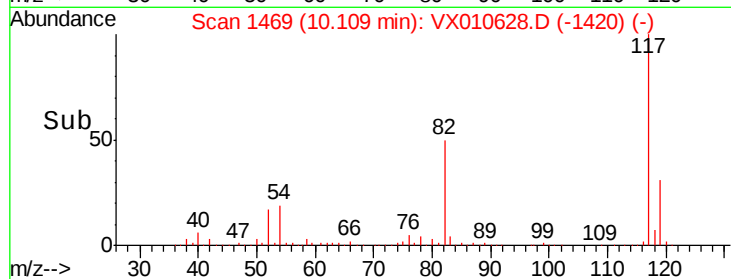
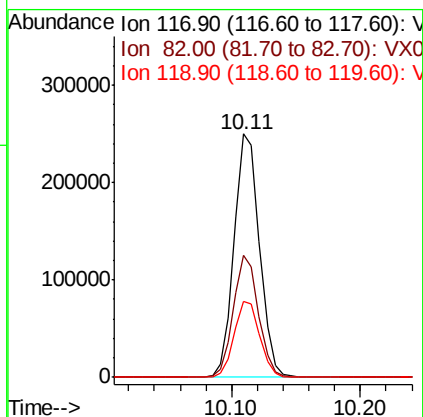
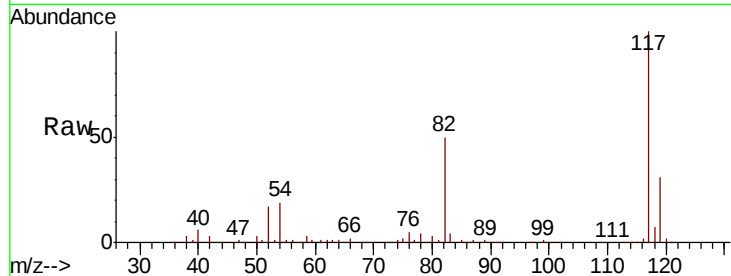




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010628.D
Acq: 02 Jul 2019 19:31

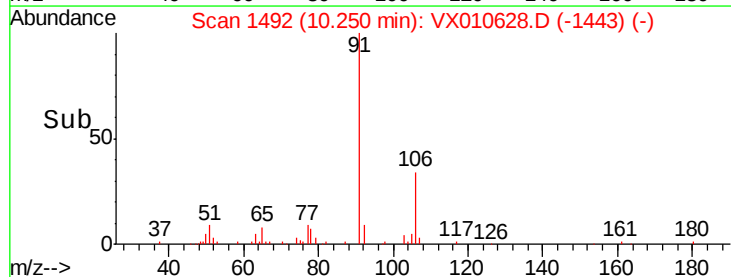
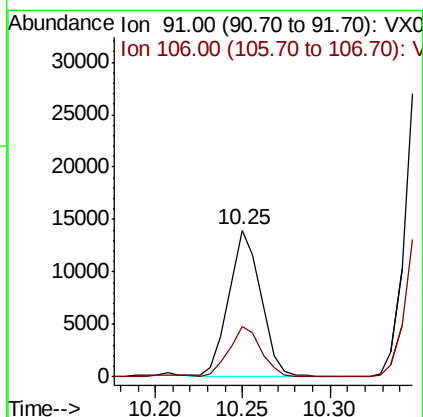
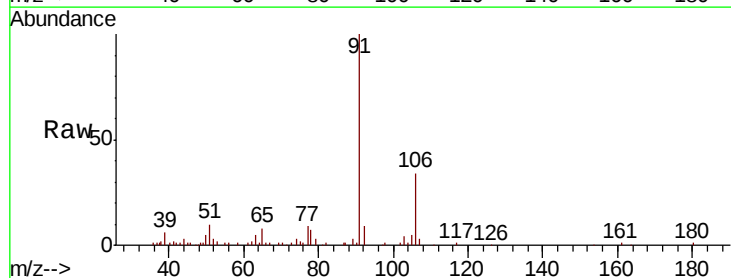
Instrument :
MSVOA_X
ClientSampleId :
OIL-WATER-SEPARATOR-4-(OWS)-

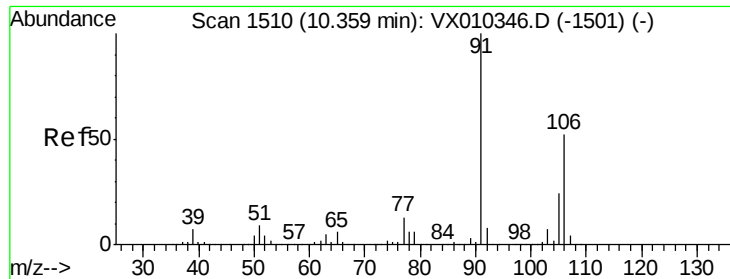
Tot Ion:117 Resp: 344525
Ion Ratio Lower Upper
117 100
82 49.9 41.2 61.8
119 31.2 25.5 38.3



#67
Ethyl Benzene
Concen: 1.526 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010628.D
Acq: 02 Jul 2019 19:31

Tgt Ion: 91 Resp: 18024
Ion Ratio Lower Upper
91 100
106 34.2 26.2 39.2

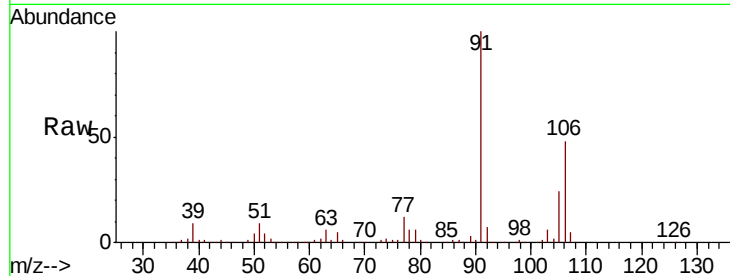




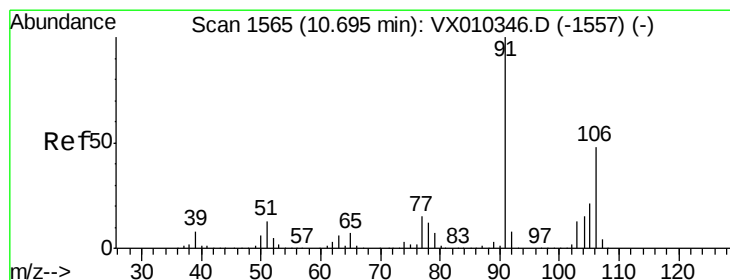
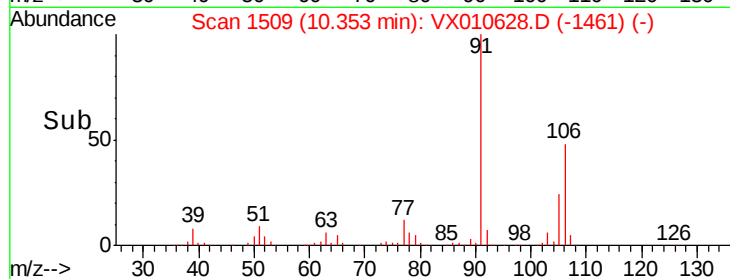
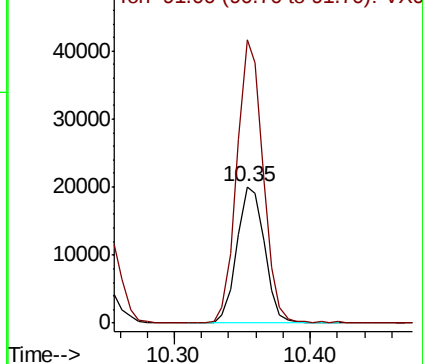
#68
m/p-Xylenes
Concen: 6.208 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010628.D
Acq: 02 Jul 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
OIL-WATER-SEPARATOR-4-(OWS)-

Tot Ion:106 Resp: 28406
Ion Ratio Lower Upper
106 100
91 196.4 155.3 232.9

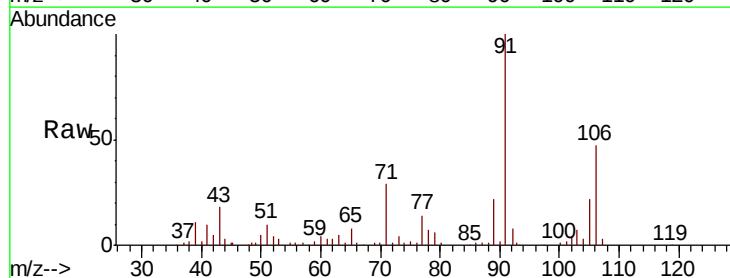


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

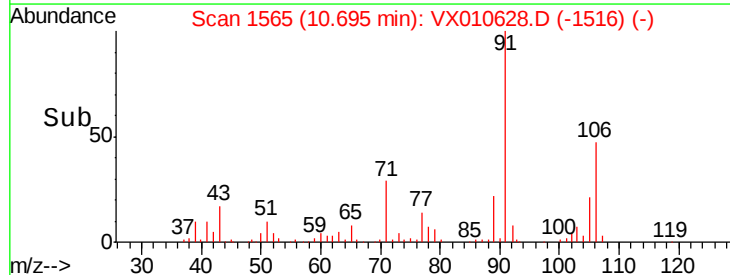
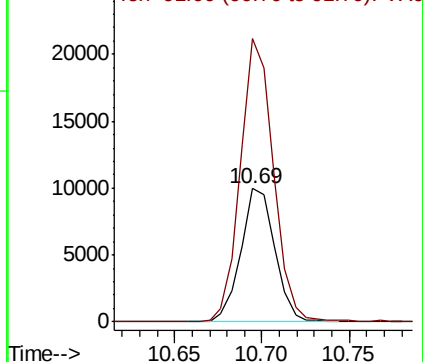


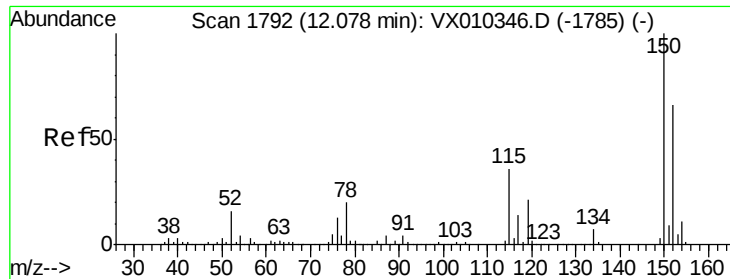
#69
o-Xylene
Concen: 3.006 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010628.D
Acq: 02 Jul 2019 19:31

Tgt Ion:106 Resp: 13525
Ion Ratio Lower Upper
106 100
91 206.1 102.7 308.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010628.D

Acq: 02 Jul 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

OIL-WATER-SEPARATOR-4-(OWS)-

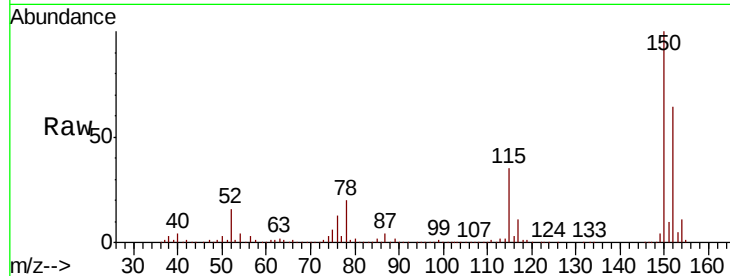
Tot Ion:152 Resp: 160435

Ion Ratio Lower Upper

152 100

115 55.3 38.6 115.7

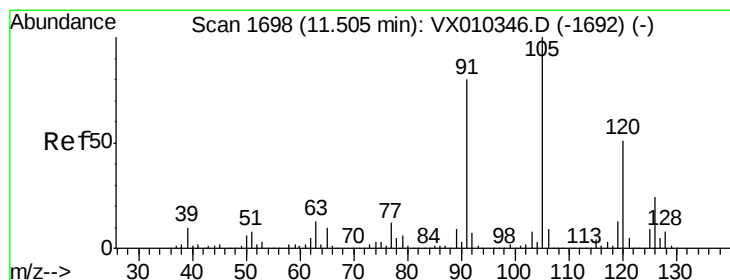
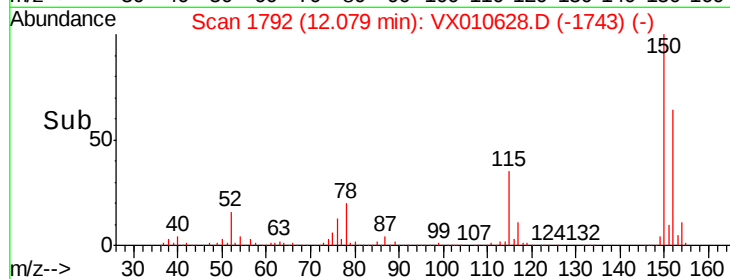
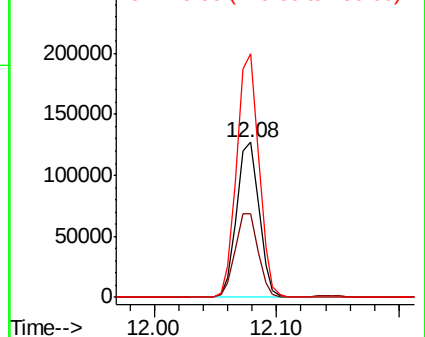
150 155.7 0.0 347.4



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



#80

1,3,5-Trimethylbenzene

Concen: 2.802 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010628.D

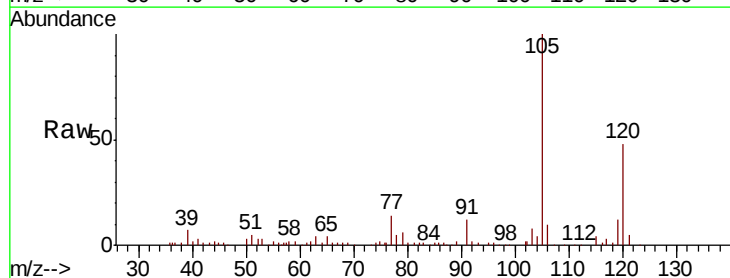
Acq: 02 Jul 2019 19:31

Tgt Ion:105 Resp: 25121

Ion Ratio Lower Upper

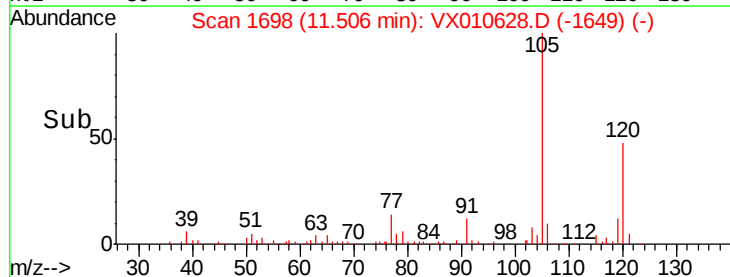
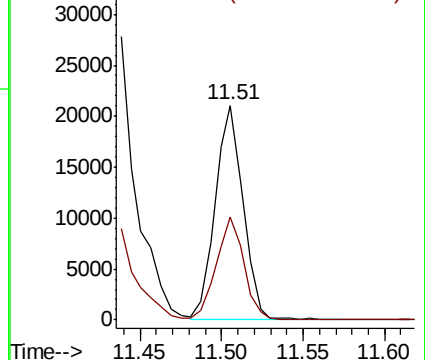
105 100

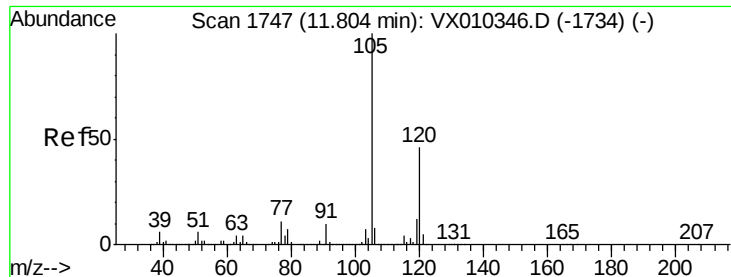
120 47.7 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

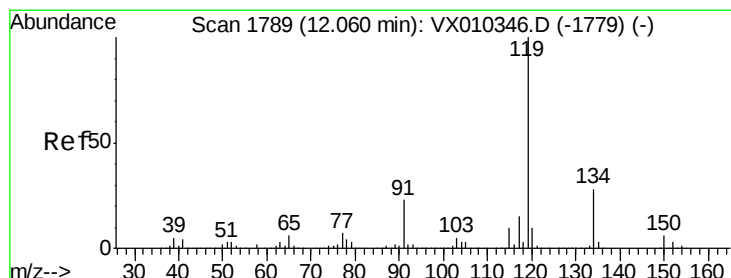
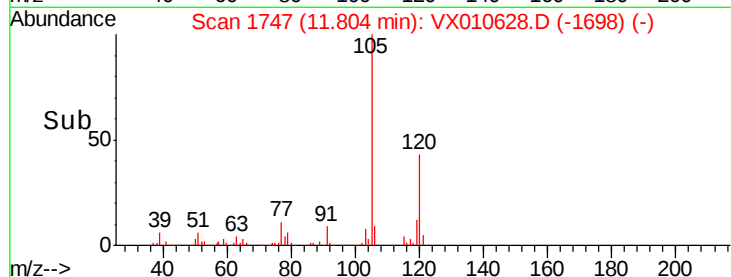
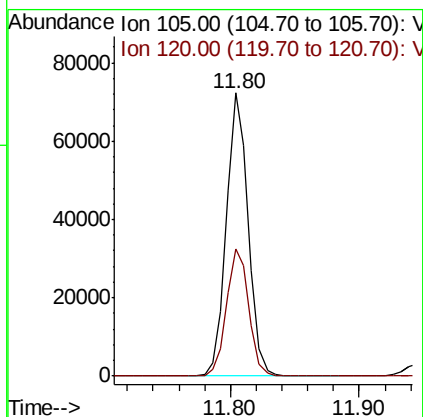
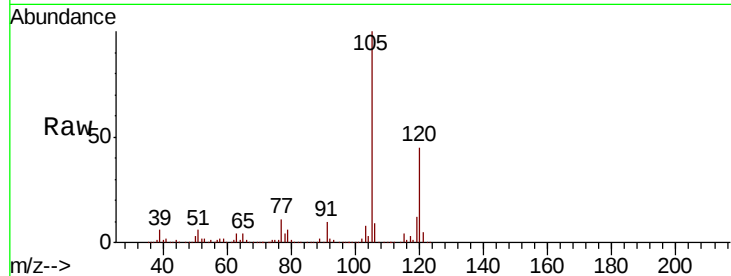




#84
1,2,4-Trimethylbenzene
Concen: 9.598 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010628.D
Acq: 02 Jul 2019 19:31

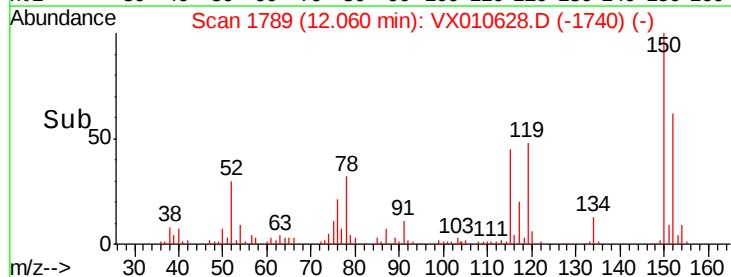
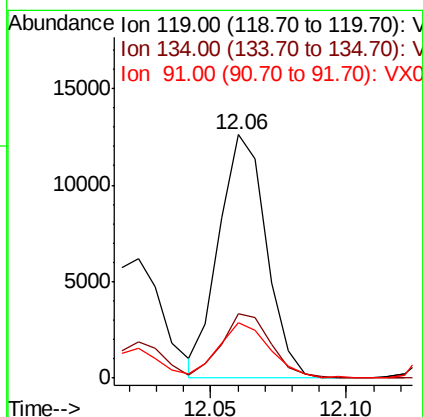
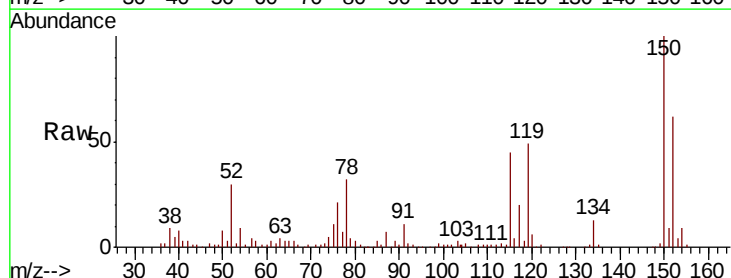
Instrument :
MSVOA_X
ClientSampleId :
OIL-WATER-SEPARATOR-4-(OWS)-

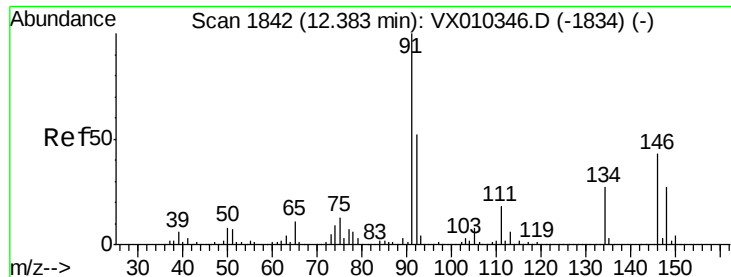
Tot Ion:105 Resp: 86453
Ion Ratio Lower Upper
105 100
120 45.9 23.1 69.2



#86
p-Isopropyltoluene
Concen: 1.559 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010628.D
Acq: 02 Jul 2019 19:31

Tgt Ion:119 Resp: 15238
Ion Ratio Lower Upper
119 100
134 28.0 13.7 41.1
91 24.6 11.3 33.8





#89

n-Butylbenzene

Concen: 1.189 ug/l

RT: 12.37 min Scan# 1840

Delta R.T. -0.01 min

Lab File: VX010628.D

Acq: 02 Jul 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

OIL-WATER-SEPARATOR-4-(OWS)-

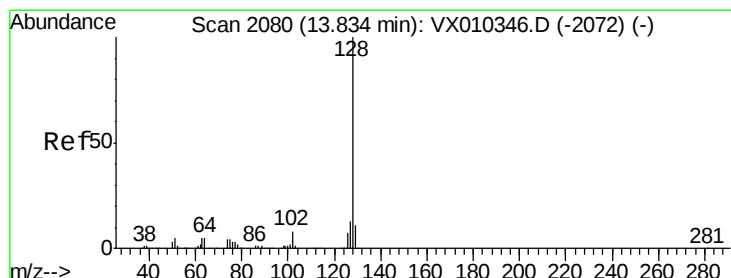
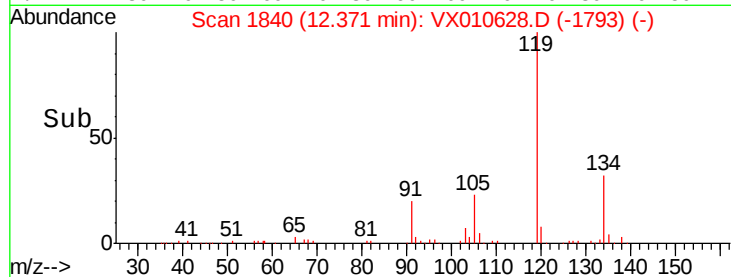
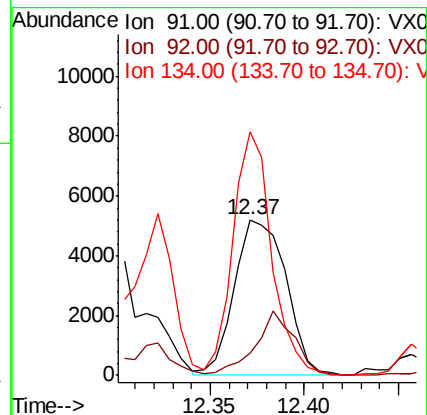
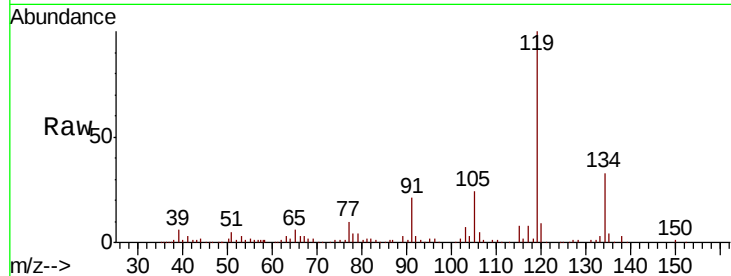
Tot Ion: 91 Resp: 9876

Ion Ratio Lower Upper

91 100

92 31.5 26.2 78.5

134 117.1 14.1 42.4#



#95

Naphthalene

Concen: 2.897 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010628.D

Acq: 02 Jul 2019 19:31

Tgt Ion: 128 Resp: 32531

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.4

129 13.8 8.9 13.3#

