

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032519\
 Data File : VW009428.D
 Acq On : 25 Mar 2019 15:14
 Operator : SY/VA
 Sample : K2031-16
 Misc : 5.97G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 26 07:51:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 26 07:46:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	449547	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	367233	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	109638	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	108221	20.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.60%
7) Chloroethane-d5	2.89	69	120792	19.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.88%
10) 1,1-Dichloroethene-d2	4.01	63	180163	15.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.08%
20) 2-Butanone-d5	7.08	46	109865	49.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.90%
24) Chloroform-d	7.64	84	283585	23.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.48%
26) 1,2-Dichloroethane-d4	8.30	65	176304	23.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.44%
29) Benzene-d6	8.27	84	501695	24.77	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.08%
33) 1,2-Dichloropropane-d6	9.27	67	161151	26.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.96%
37) Toluene-d8	10.32	98	419588	22.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.64%
38) trans-1,3-Dichloropropene-	10.58	79	67162	21.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.92%
39) 2-Hexanone-d5	10.93	63	79844	54.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.40%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	132158	22.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	88950	21.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.64%

Target Compounds

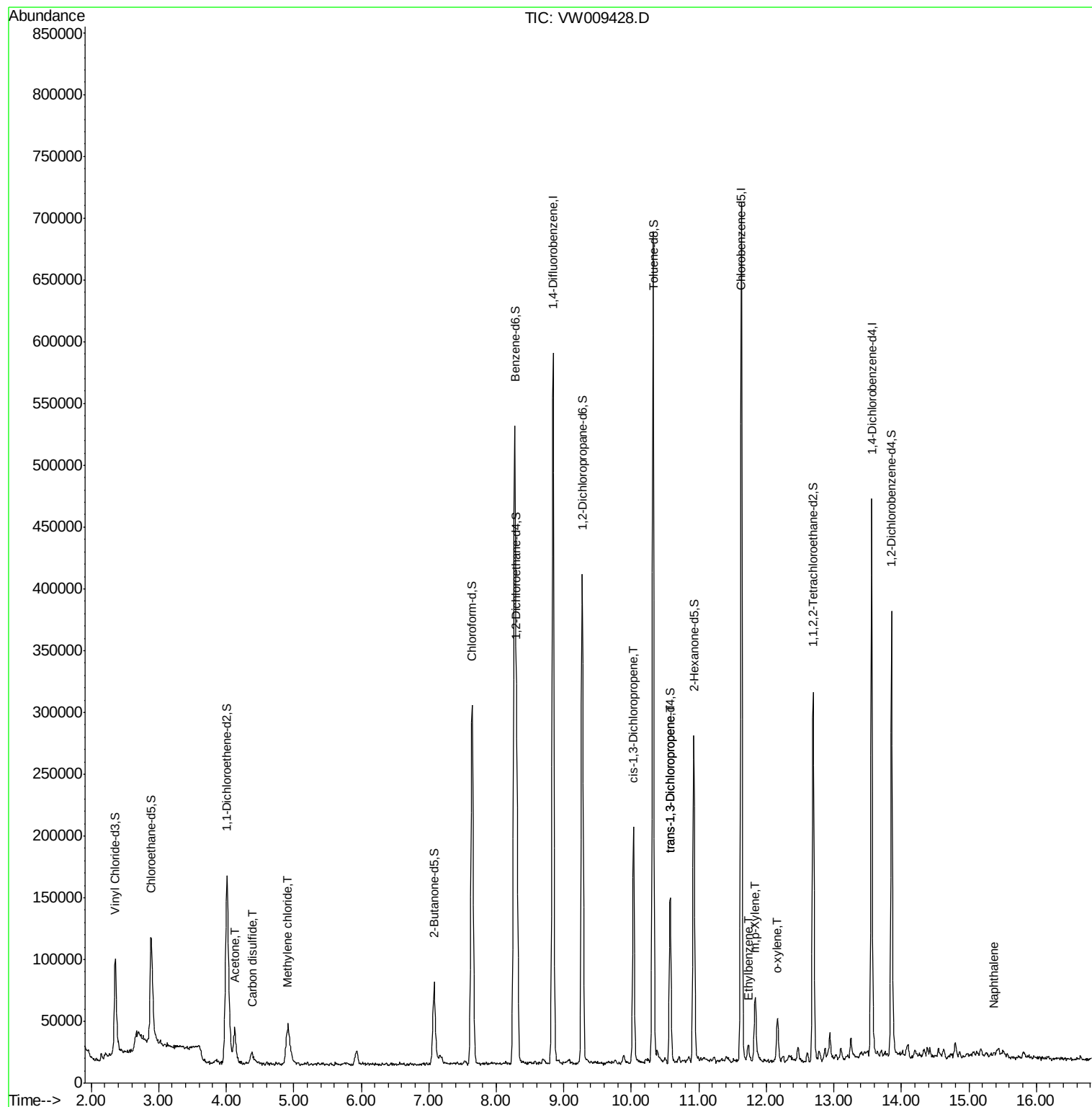
					Ovalue
13) Acetone	4.12	43	43627	23.946	ug/L 99
14) Carbon disulfide	4.38	76	17514	1.176	ug/L 99
16) Methylene chloride	4.90	84	7568	1.154	ug/L 90
42) cis-1,3-Dichloropropene	10.03	75	5848	0.696	ug/L 89
45) trans-1,3-Dichloropropene	10.58	75	3579	0.490	ug/L # 63
53) Ethylbenzene	11.74	91	8122	0.329	ug/L 95
54) m,p-Xylene	11.83	106	15075	1.606	ug/L 95
55) o-xylene	12.16	106	7902	0.863	ug/L 95
69) Naphthalene	15.37	128	3139	0.354	ug/L # 86

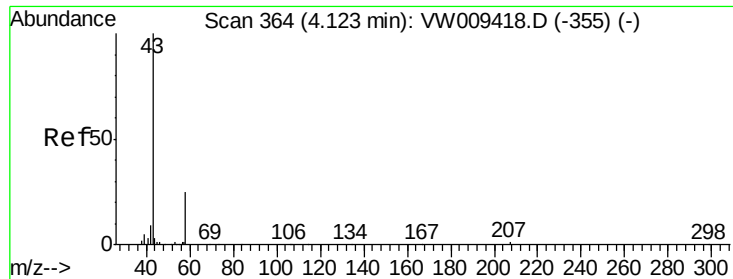
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 26 07:46:05 2019
Response via : Initial Calibration





#13

Acetone

Concen: 23.946 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW009428.D

Acq: 25 Mar 2019 15:14

Instrument :

MSVOA_W

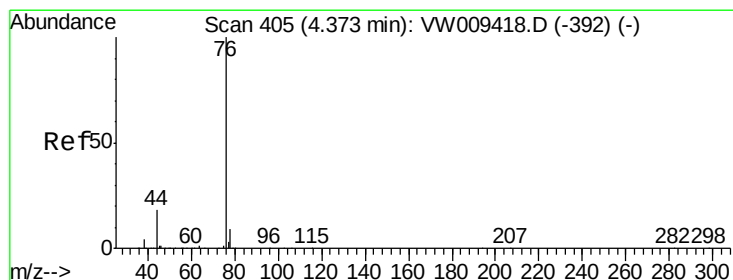
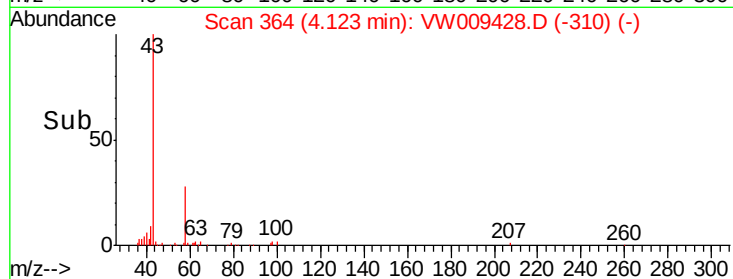
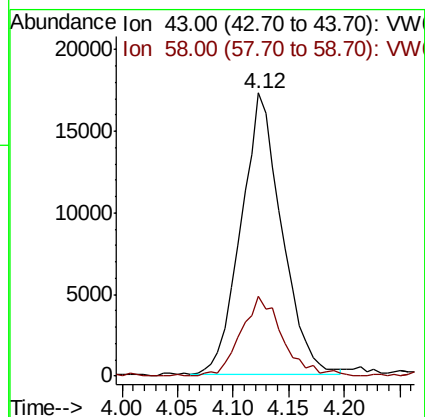
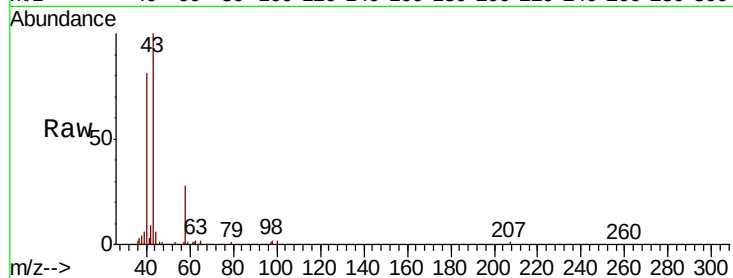
ClientSampleId :

Tot Ion: 43 Resp: 43627

Ion Ratio Lower Upper

43 100

58 27.7 0.0 56.2



#14

Carbon disulfide

Concen: 1.176 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW009428.D

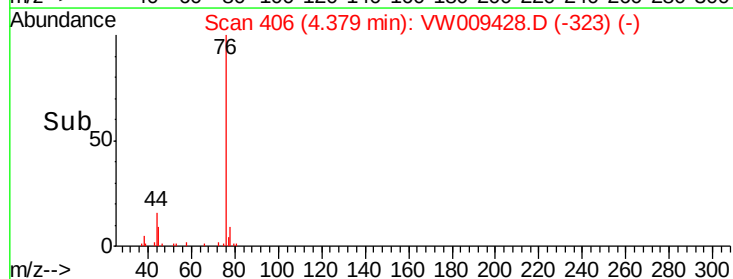
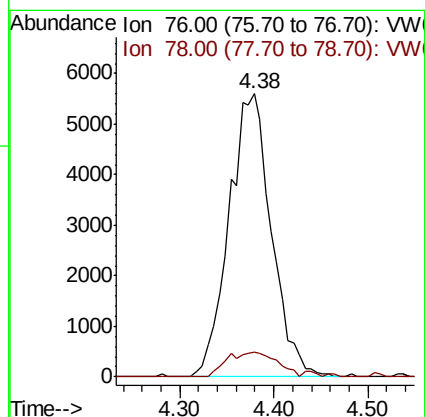
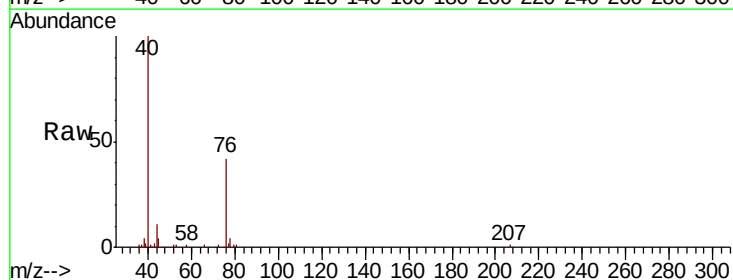
Acq: 25 Mar 2019 15:14

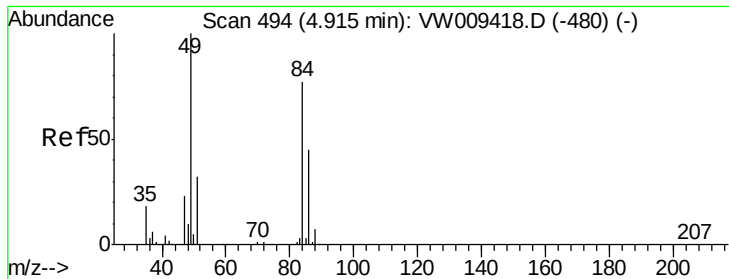
Tgt Ion: 76 Resp: 17514

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9

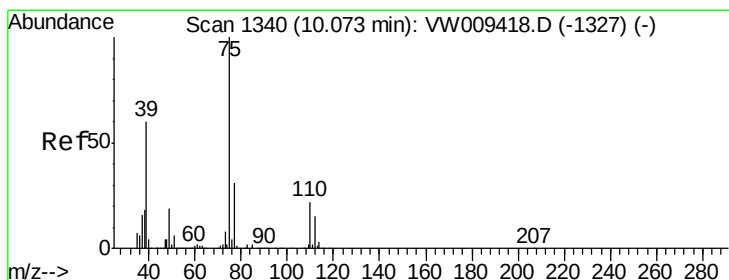
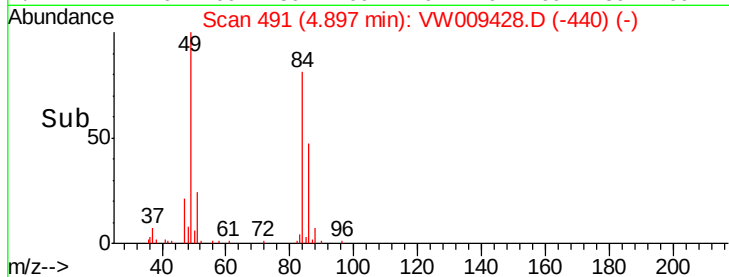
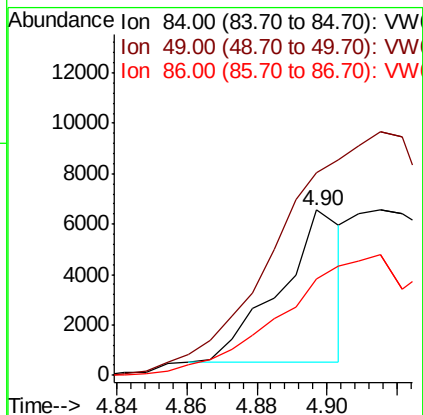
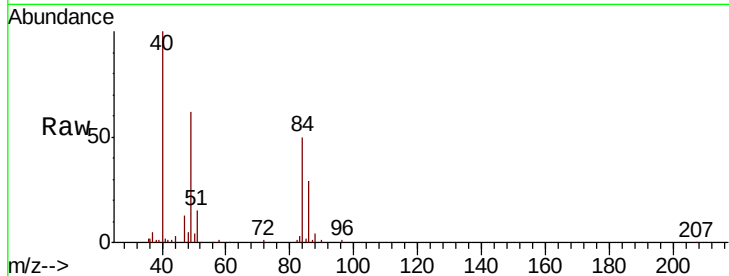




#16
Methylene chloride
Concen: 1.154 ug/L
RT: 4.90 min Scan# 491
Delta R.T. -0.02 min
Lab File: VW009428.D
Acq: 25 Mar 2019 15:14

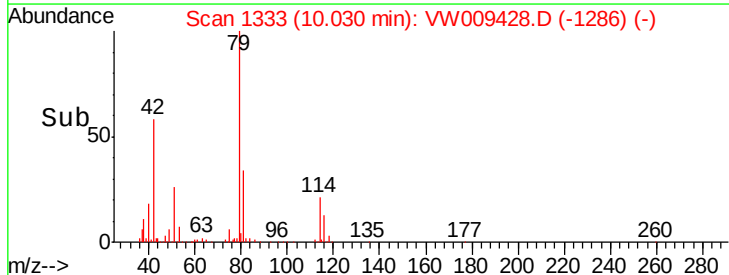
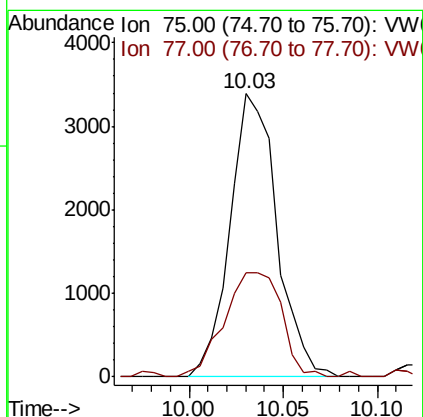
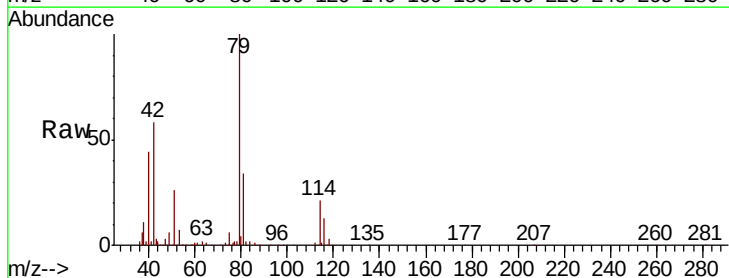
Instrument :
MSVOA_W
ClientSampleId :

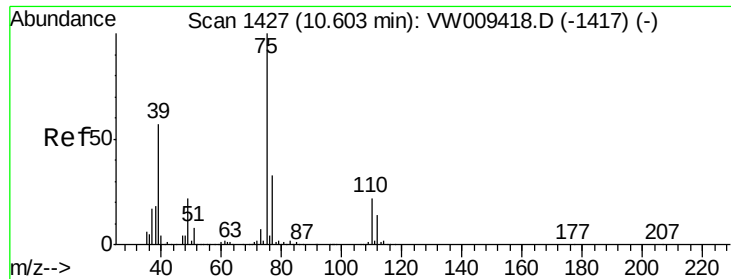
Tot Ion: 84 Resp: 7568
Ion Ratio Lower Upper
84 100
49 123.0 96.0 178.2
86 58.2 44.4 82.5



#42
cis-1,3-Dichloropropene
Concen: 0.696 ug/L
RT: 10.03 min Scan# 1333
Delta R.T. -0.04 min
Lab File: VW009428.D
Acq: 25 Mar 2019 15:14

Tgt Ion: 75 Resp: 5848
Ion Ratio Lower Upper
75 100
77 36.9 21.6 40.2





#45

trans-1,3-Dichloropropene

Concen: 0.490 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009428.D

Acq: 25 Mar 2019 15:14

Instrument :

MSVOA_W

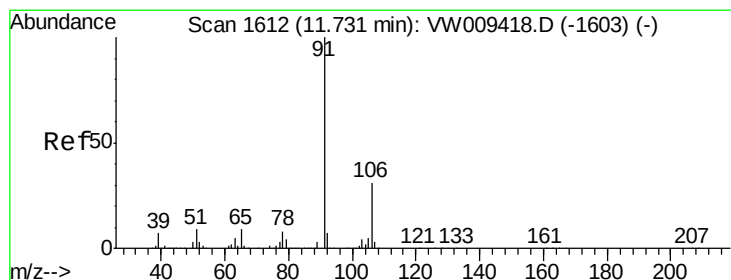
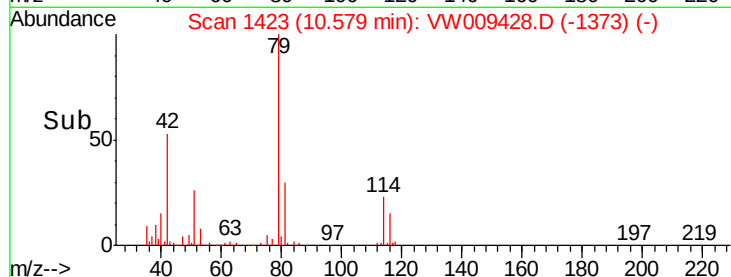
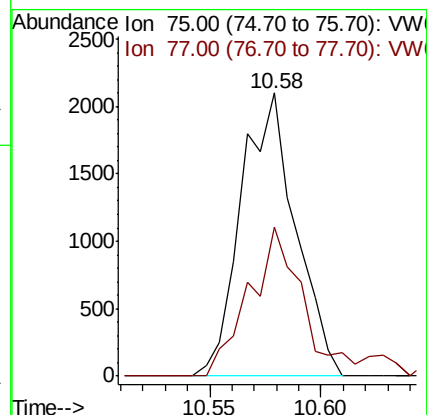
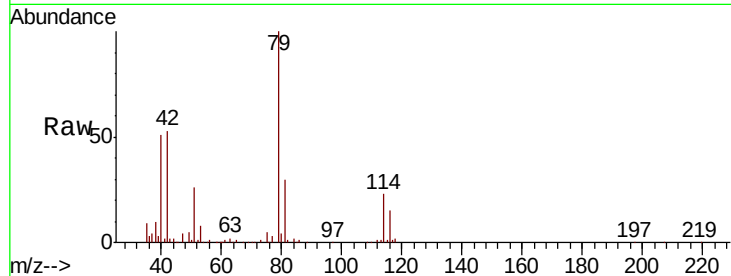
ClientSampleId :

Tot Ion: 75 Resp: 3579

Ion Ratio Lower Upper

75 100

77 52.5 22.5 41.7#



#53

Ethylbenzene

Concen: 0.329 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.01 min

Lab File: VW009428.D

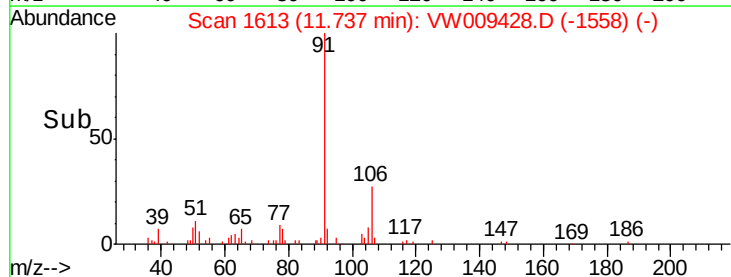
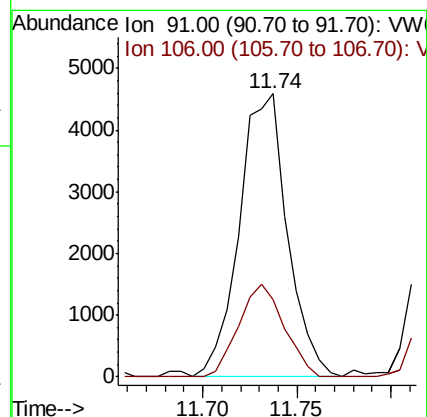
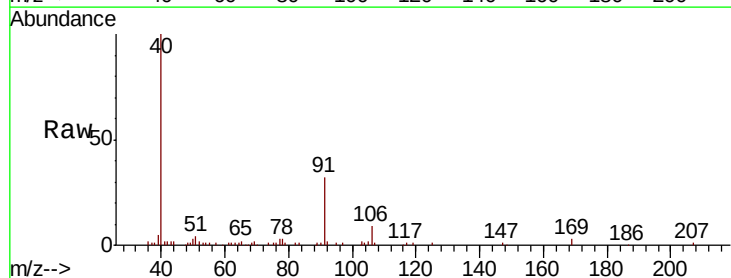
Acq: 25 Mar 2019 15:14

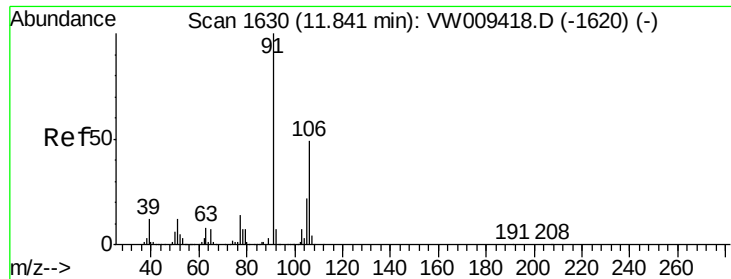
Tgt Ion: 91 Resp: 8122

Ion Ratio Lower Upper

91 100

106 27.5 21.0 39.0





#54

m,p-Xylene

Concen: 1.606 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW009428.D

Acq: 25 Mar 2019 15:14

Instrument :

MSVOA_W

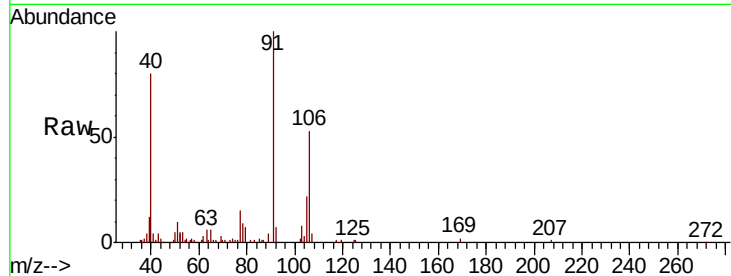
ClientSampled :

Tot Ion:106 Resp: 15075

Ion Ratio Lower Upper

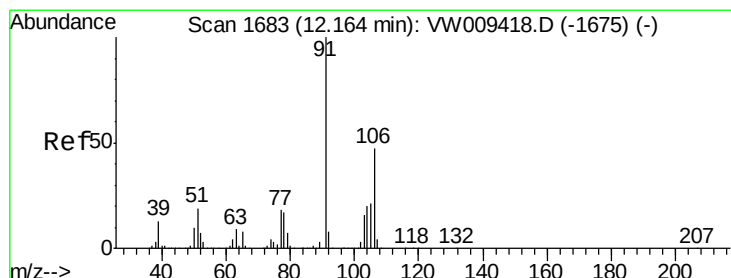
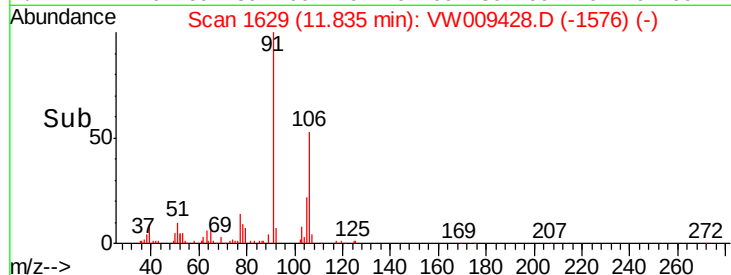
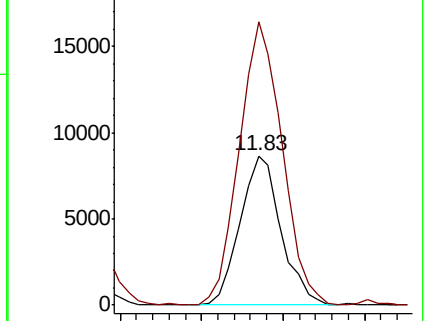
106 100

91 189.7 138.4 257.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.863 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW009428.D

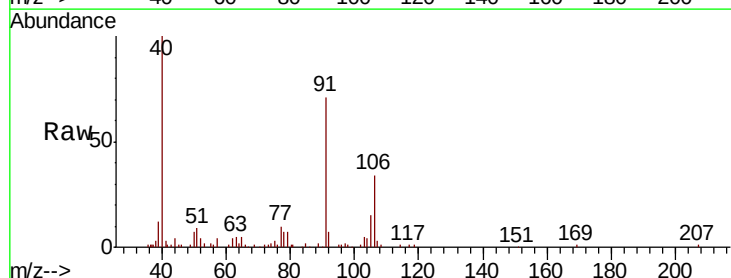
Acq: 25 Mar 2019 15:14

Tgt Ion:106 Resp: 7902

Ion Ratio Lower Upper

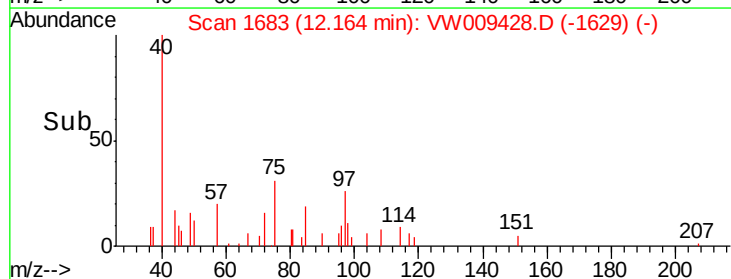
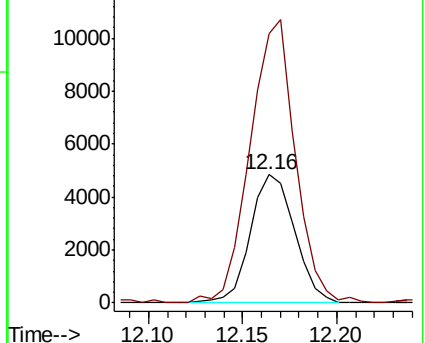
106 100

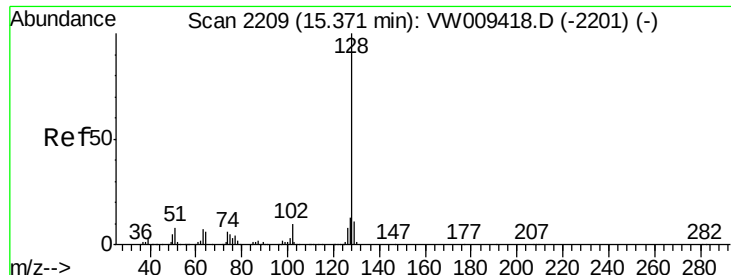
91 210.1 153.2 284.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#69

Naphthalene

Concen: 0.354 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009428.D

Acq: 25 Mar 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

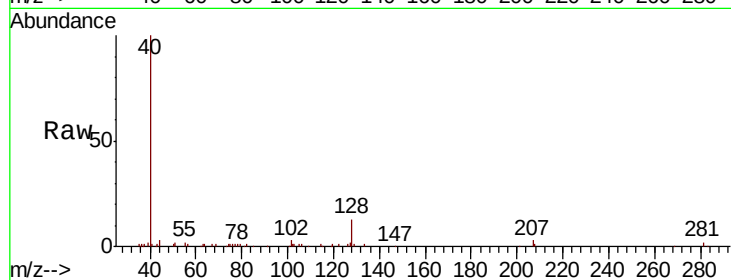
Tot Ion:128 Resp: 3139

Ion Ratio Lower Upper

128 100

129 7.0 8.7 13.1#

127 21.0 11.1 16.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

