

Data File : VW009372.D
Acq On : 23 Mar 2019 04:22
Operator : SY/VA
Sample : K2031-16
Misc : 4.16G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5S6

Quant Time: Mar 23 06:20:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 23 01:25:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	335291	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	285772	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	81939	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	91012	22.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.84%
7) Chloroethane-d5	2.89	69	101784	21.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.84%
10) 1,1-Dichloroethene-d2	4.01	63	142825	16.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.96%
20) 2-Butanone-d5	7.08	46	95850	57.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.70%
24) Chloroform-d	7.65	84	239179	26.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.56%
26) 1,2-Dichloroethane-d4	8.46	65	48	0.01	ug/L	0.16
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.04%#
29) Benzene-d6	8.27	84	427936	27.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.60%
33) 1,2-Dichloropropane-d6	9.27	67	139495	29.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	117.88%
37) Toluene-d8	10.32	98	342303	23.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.96%
38) trans-1,3-Dichloropropene-	10.57	79	52336	22.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.04%
39) 2-Hexanone-d5	10.93	63	64646	56.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	121345	26.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	80889	25.74	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.96%

Target Compounds

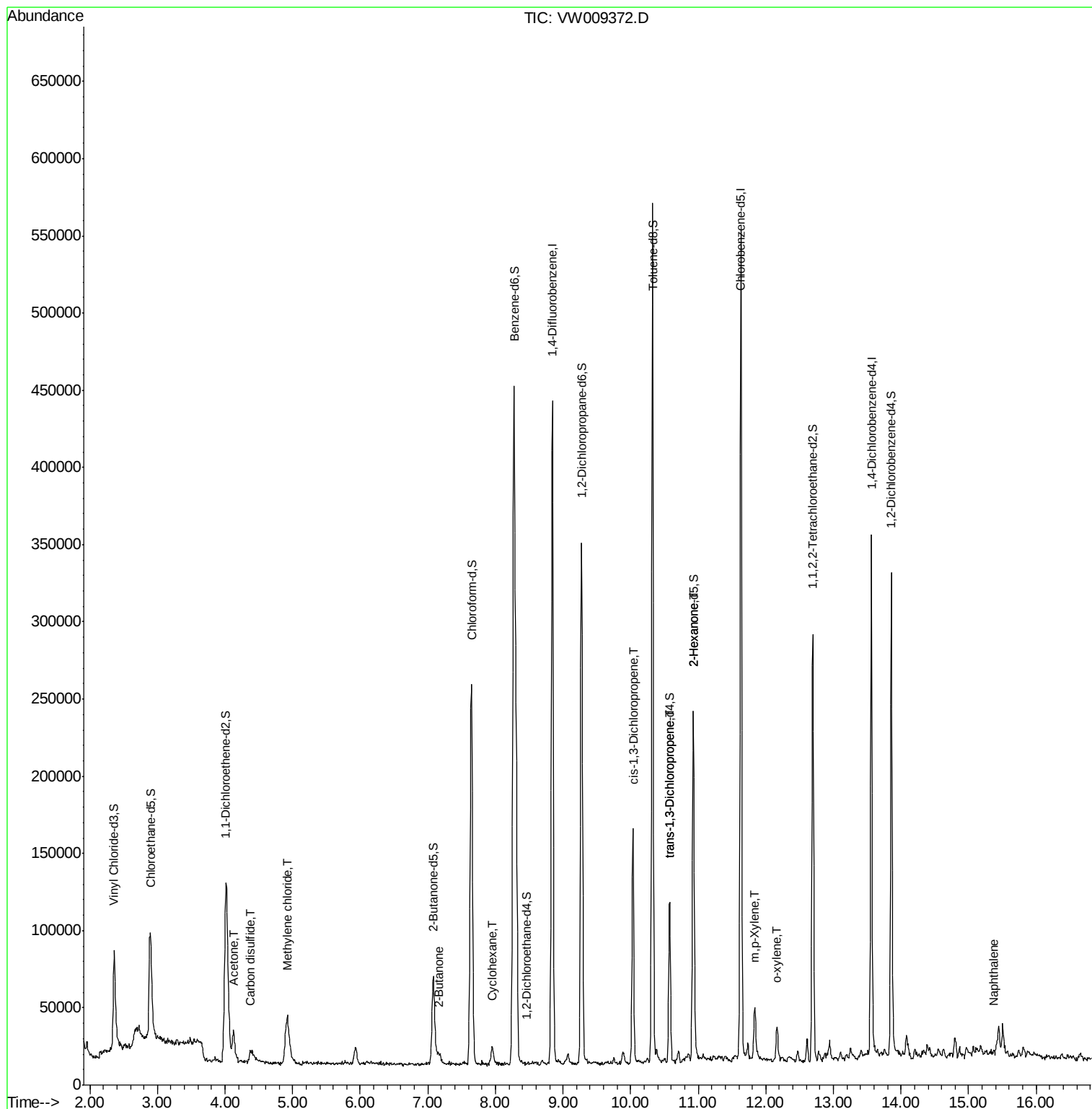
					Qvalue
13) Acetone	4.13	43	32511	23.925	ug/L 97
14) Carbon disulfide	4.37	76	7106	0.639	ug/L 99
16) Methylene chloride	4.92	84	25688	5.254	ug/L 94
21) 2-Butanone	7.17	43	2254	1.201	ug/L # 71
30) Cyclohexane	7.95	56	5511	0.849	ug/L # 94
42) cis-1,3-Dichloropropene	10.04	75	4492	0.687	ug/L # 78
45) trans-1,3-Dichloropropene	10.57	75	3044	0.535	ug/L 93
49) 2-Hexanone	10.93	43	12333	4.815	ug/L # 64
54) m,p-Xylene	11.83	106	9802	1.342	ug/L 92
55) o-xylene	12.17	106	5386	0.756	ug/L 83
69) Naphthalene	15.37	128	3281	0.495	ug/L # 96

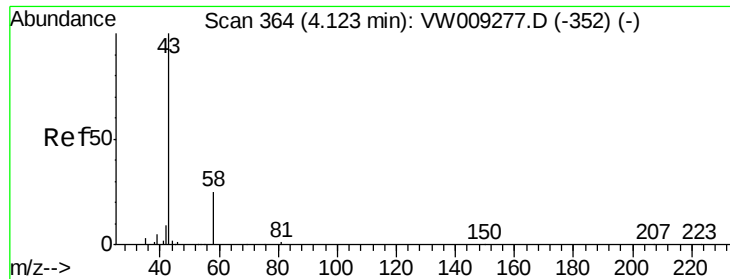
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 23.925 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

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Acq: 23 Mar 2019 04:22

Instrument :

MSVOA_W

ClientSampleId :

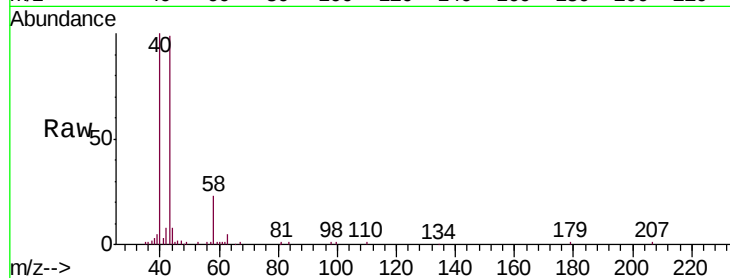
BF5S6

Tgt Ion: 43 Resp: 32511

Ion Ratio Lower Upper

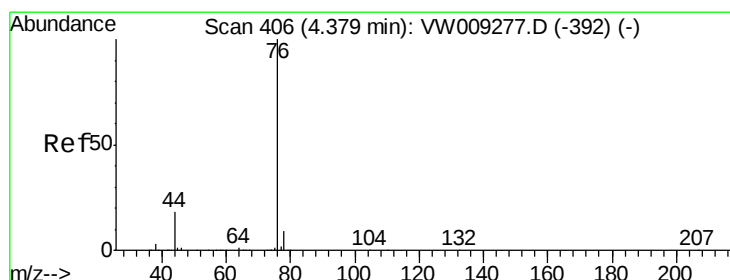
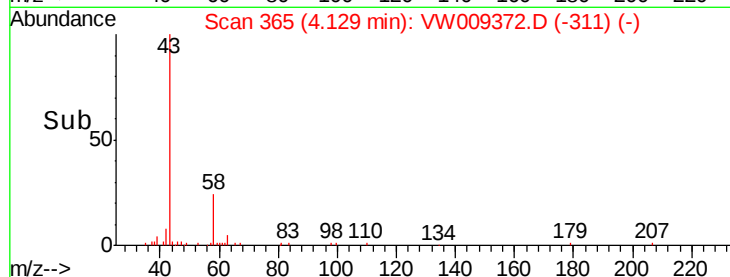
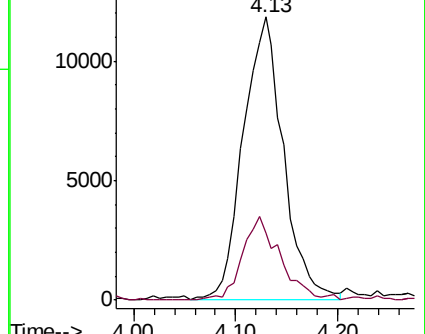
43 100

58 26.5 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.639 ug/L

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

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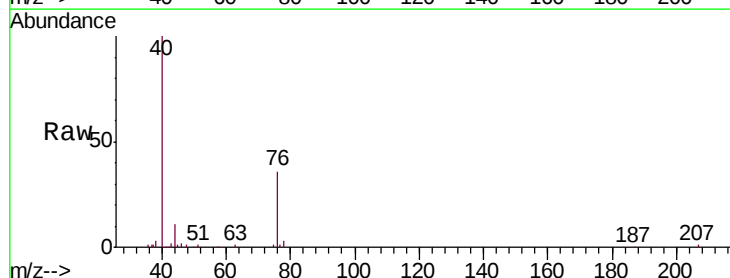
Acq: 23 Mar 2019 04:22

Tgt Ion: 76 Resp: 7106

Ion Ratio Lower Upper

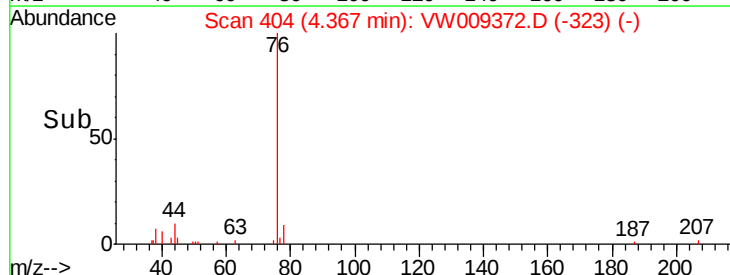
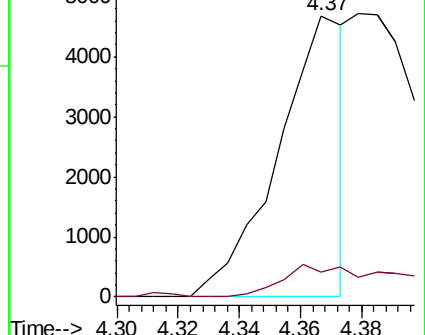
76 100

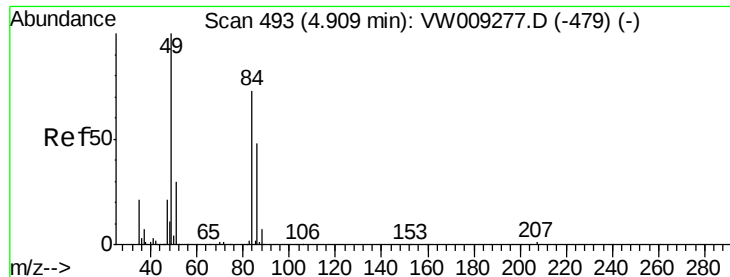
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

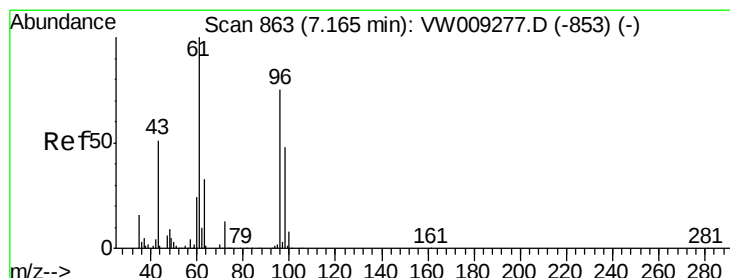
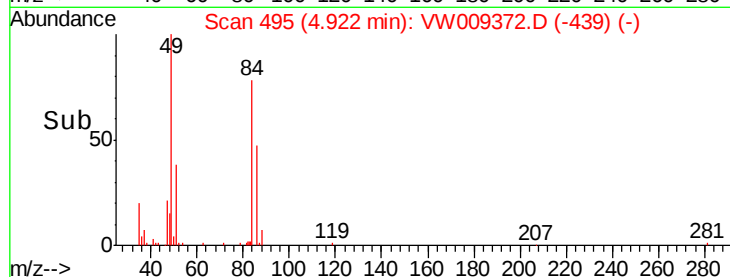
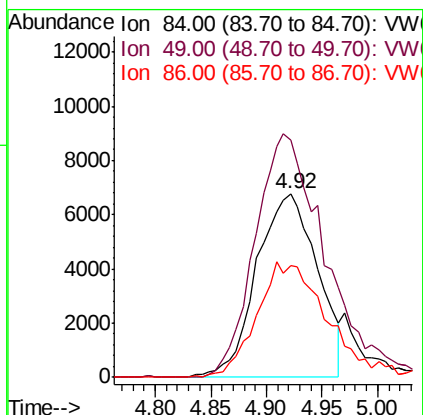
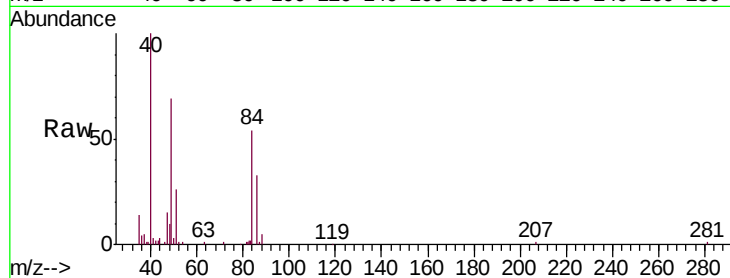




#16
Methylene chloride
Concen: 5.254 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW009372.D
Acq: 23 Mar 2019 04:22

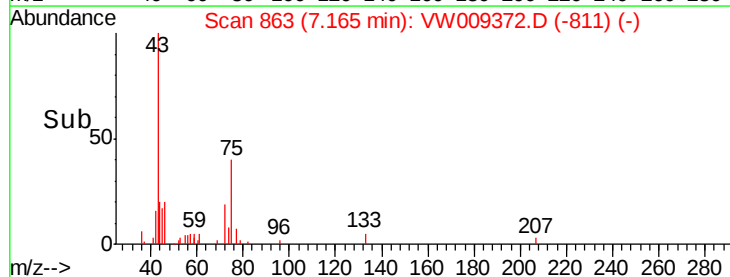
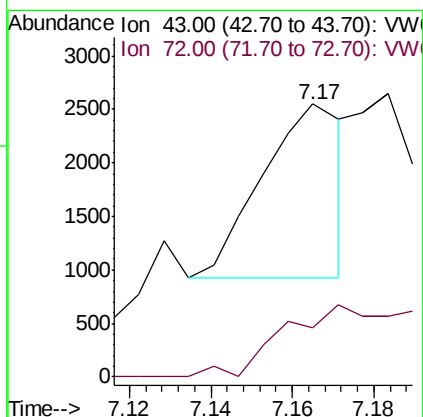
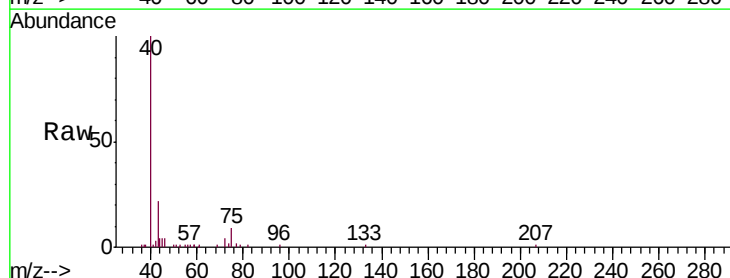
Instrument :
MSVOA_W
ClientSampleId :
BF5S6

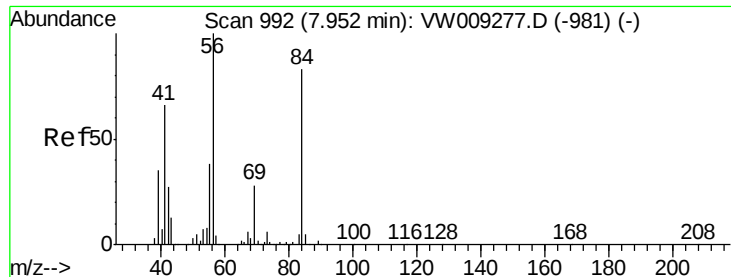
Tgt Ion: 84 Resp: 25688
Ion Ratio Lower Upper
84 100
49 129.0 96.0 178.2
86 60.7 44.4 82.5



#21
2-Butanone
Concen: 1.201 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW009372.D
Acq: 23 Mar 2019 04:22

Tgt Ion: 43 Resp: 2254
Ion Ratio Lower Upper
43 100
72 41.0 13.1 39.1#

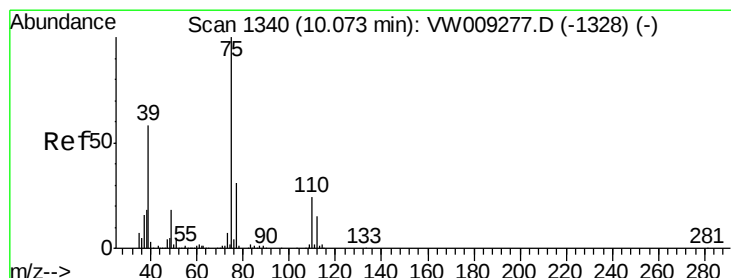
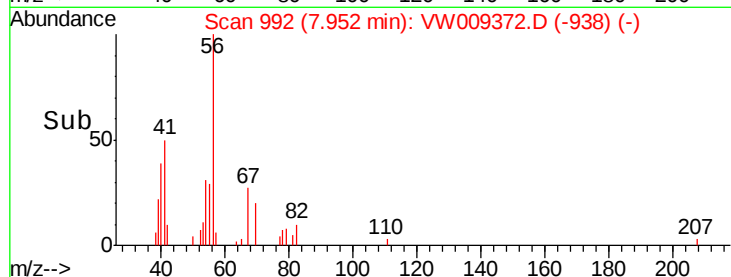
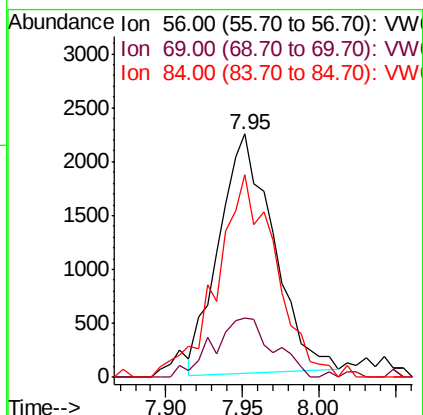
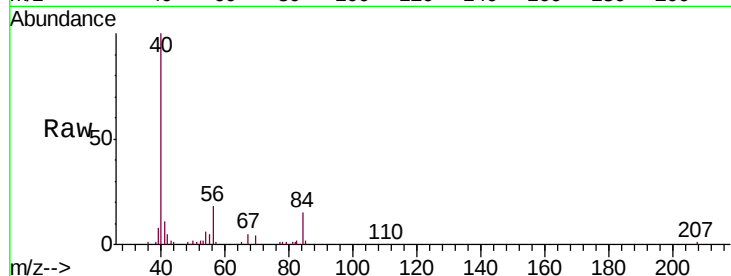




#30
Cyclohexane
Concen: 0.849 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW009372.D
Acq: 23 Mar 2019 04:22

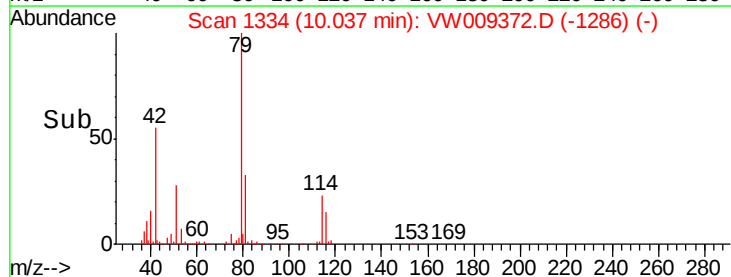
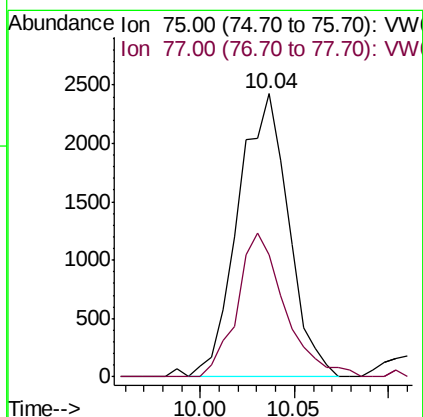
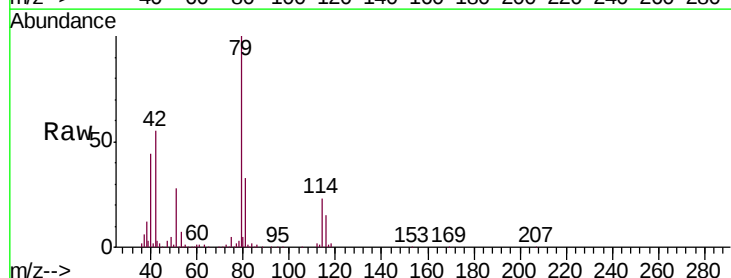
Instrument :
MSVOA_W
ClientSampleId :
BF5S6

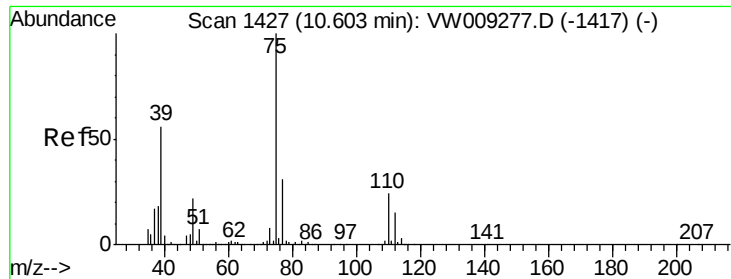
Tgt Ion: 56 Resp: 5511
Ion Ratio Lower Upper
56 100
69 23.2 24.0 36.0#
84 83.1 69.2 103.8



#42
cis-1,3-Dichloropropene
Concen: 0.687 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW009372.D
Acq: 23 Mar 2019 04:22

Tgt Ion: 75 Resp: 4492
Ion Ratio Lower Upper
75 100
77 43.2 21.6 40.2#





#45

trans-1,3-Dichloropropene

Concen: 0.535 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW009372.D

Acq: 23 Mar 2019 04:22

Instrument :

MSVOA_W

ClientSampleId :

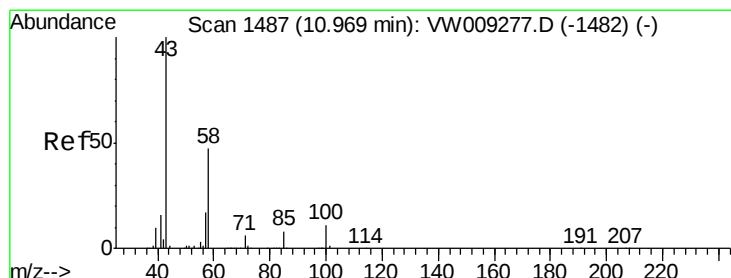
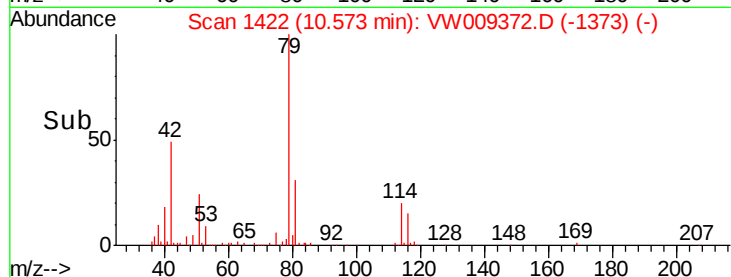
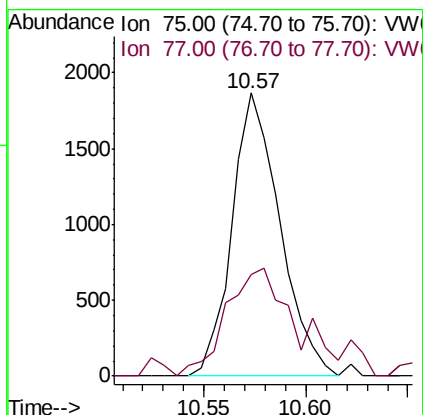
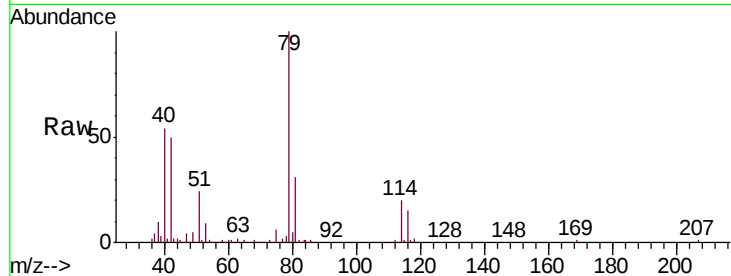
BF5S6

Tgt Ion: 75 Resp: 3044

Ion Ratio Lower Upper

75 100

77 36.0 22.5 41.7



#49

2-Hexanone

Concen: 4.815 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW009372.D

Acq: 23 Mar 2019 04:22

Tgt Ion: 43 Resp: 12333

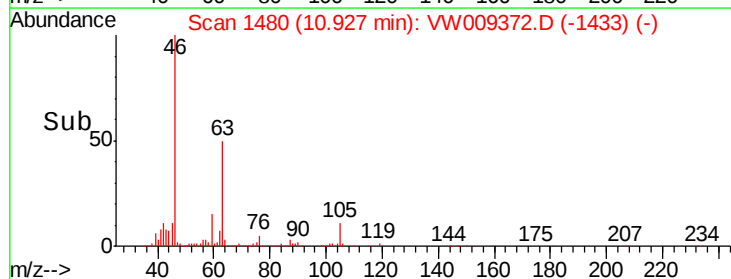
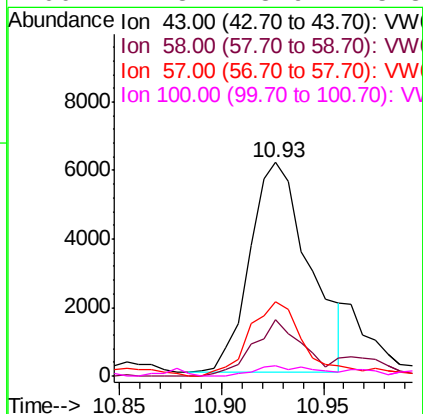
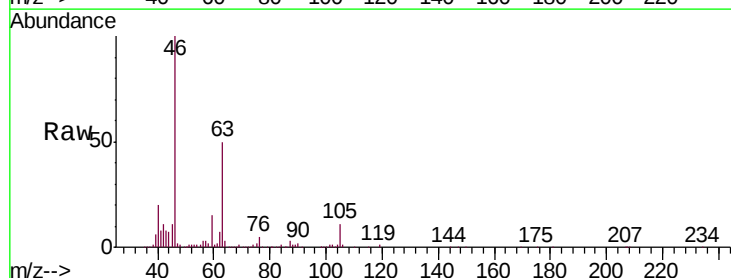
Ion Ratio Lower Upper

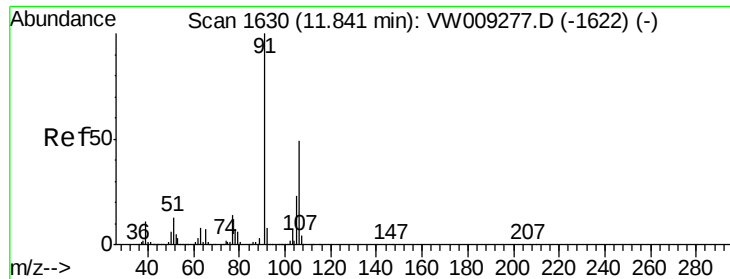
43 100

58 22.1 39.2 58.8#

57 32.3 14.2 21.2#

100 2.8 8.9 13.3#





#54

m,p-Xylene

Concen: 1.342 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW009372.D

Acq: 23 Mar 2019 04:22

Instrument :

MSVOA_W

ClientSampleId :

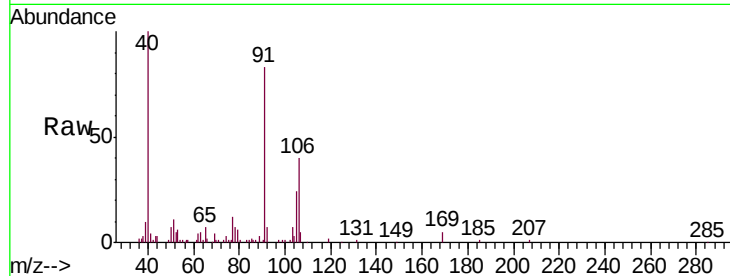
BF5S6

Tgt Ion:106 Resp: 9802

Ion Ratio Lower Upper

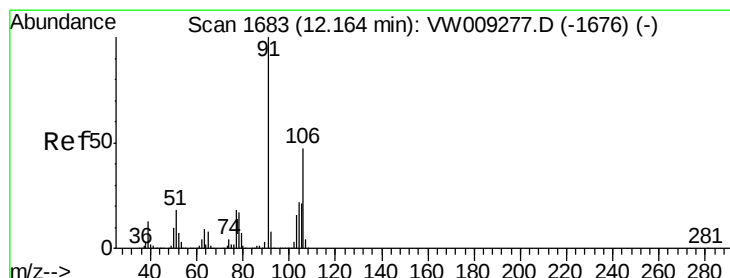
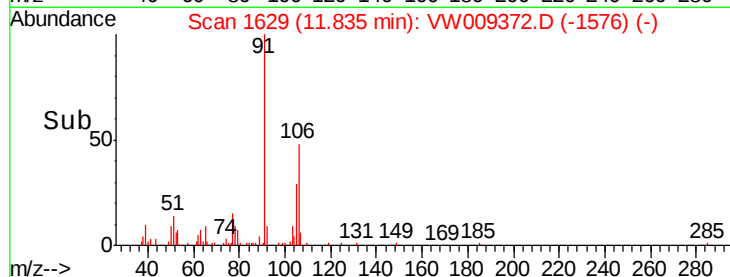
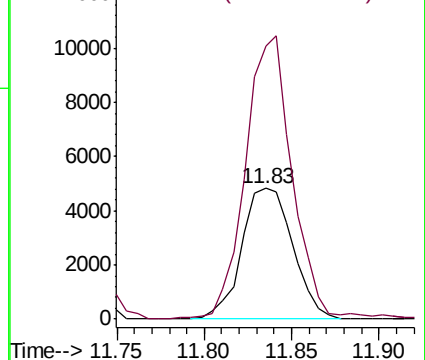
106 100

91 209.1 138.4 257.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.756 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW009372.D

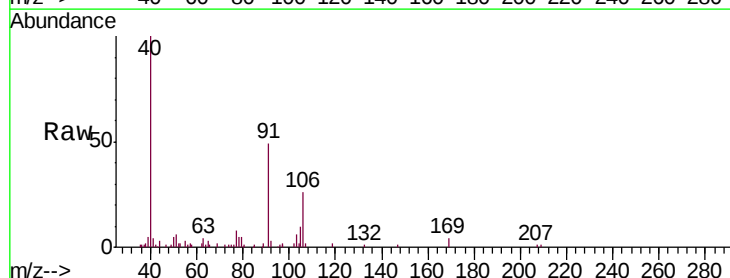
Acq: 23 Mar 2019 04:22

Tgt Ion:106 Resp: 5386

Ion Ratio Lower Upper

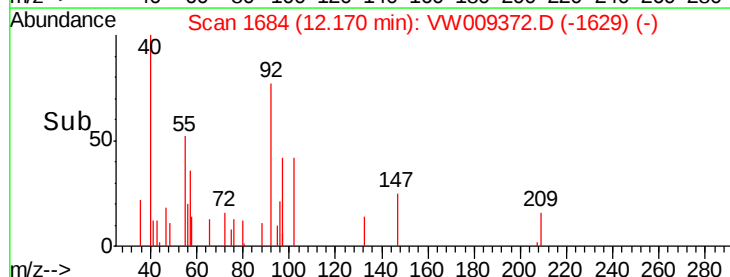
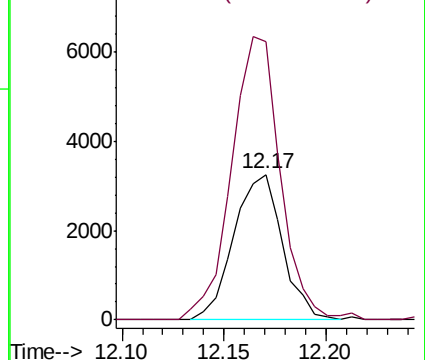
106 100

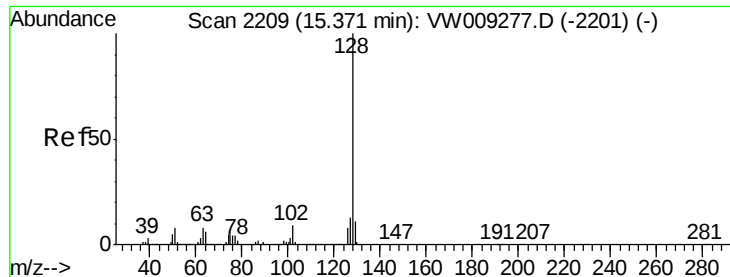
91 191.1 153.2 284.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#69

Naphthalene

Concen: 0.495 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

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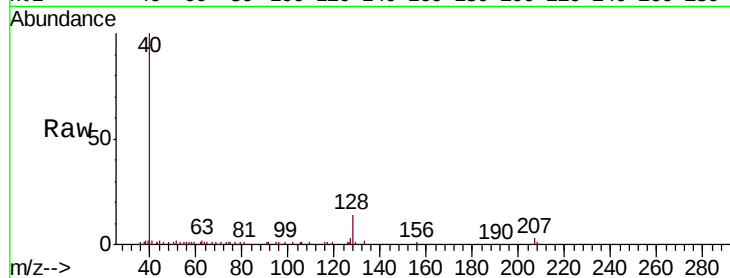
Tgt Ion:128 Resp: 3281

Ion Ratio Lower Upper

128 100

129 7.8 8.7 13.1#

127 13.5 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

