

Data File : VW009411.D
Acq On : 24 Mar 2019 01:16
Operator : SY/VA
Sample : K2031-01
Misc : 3.96G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5S1RE

Quant Time: Mar 24 04:15:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 23 23:52:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	245731	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	142619	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	33438	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	86216	29.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	117.44%
7) Chloroethane-d5	2.89	69	93310	27.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.64%
10) 1,1-Dichloroethene-d2	4.01	63	115140	18.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.56%
20) 2-Butanone-d5	7.07	46	98242	80.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	161.80%#
24) Chloroform-d	7.64	84	187014	27.89	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.56%
26) 1,2-Dichloroethane-d4	8.52	65	77	0.02	ug/L	0.23
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.08%#
29) Benzene-d6	8.27	84	305267	38.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	155.24%#
33) 1,2-Dichloropropane-d6	9.27	67	101784	43.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	172.36%#
37) Toluene-d8	10.32	98	188281	25.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.56%
38) trans-1,3-Dichloropropene-	10.58	79	39033	32.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	131.60%
39) 2-Hexanone-d5	10.93	63	64405	112.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	225.14%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	63246	27.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.72%
61) 1,2-Dichlorobenzene-d4	13.86	152	28026	21.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.44%

Target Compounds

					Qvalue
13) Acetone	4.12	43	13179	13.233 ug/L	98
14) Carbon disulfide	4.38	76	6329	0.777 ug/L	99
16) Methylene chloride	4.92	84	20636	5.759 ug/L	89
30) Cyclohexane	7.94	56	2159	0.667 ug/L #	72
34) Benzene	8.32	78	4228	0.542 ug/L	100
36) Methylcyclohexane	9.34	83	10941	3.040 ug/L #	83
42) cis-1,3-Dichloropropene	10.03	75	3452	1.058 ug/L #	82
44) Toluene	10.39	91	19495	2.284 ug/L	98
45) trans-1,3-Dichloropropene	10.58	75	2167	0.764 ug/L #	64
46) 1,1,2-Trichloroethane	10.77	97	692	0.433 ug/L #	44
49) 2-Hexanone	10.93	43	22345	17.479 ug/L #	38
53) Ethylbenzene	11.73	91	25484	2.656 ug/L	94
54) m,p-Xylene	11.83	106	50825	13.942 ug/L	100
55) o-xylene	12.16	106	31046	8.729 ug/L	90
56) Styrene	12.16	104	2388	0.394 ug/L #	1
57) Isopropylbenzene	12.46	105	12018	1.261 ug/L	97
69) Naphthalene	15.37	128	11109	4.104 ug/L #	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032319\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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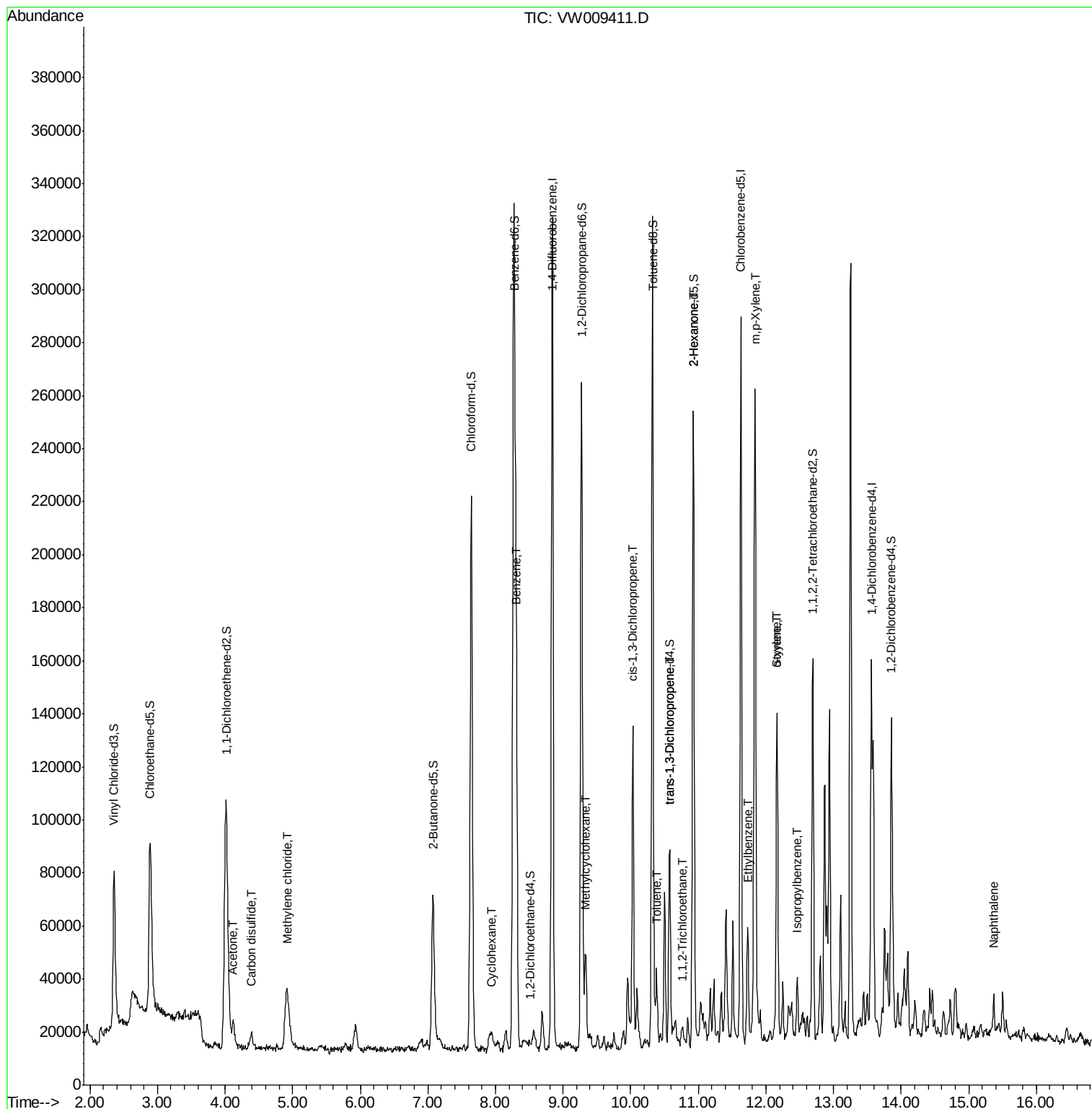
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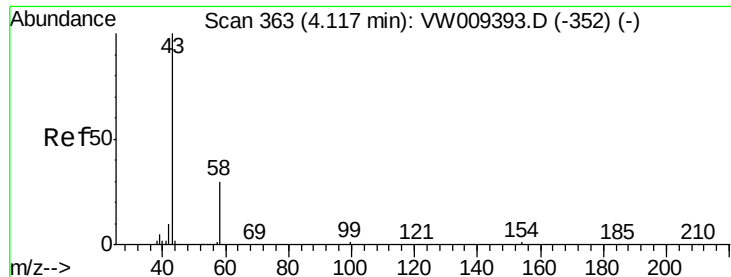
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 13.233 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW009411.D

Acq: 24 Mar 2019 01:16

Instrument :

MSVOA_W

ClientSampleId :

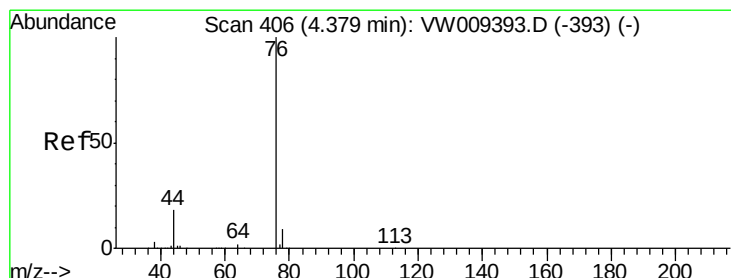
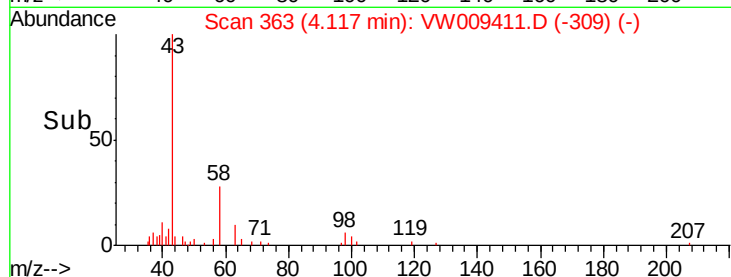
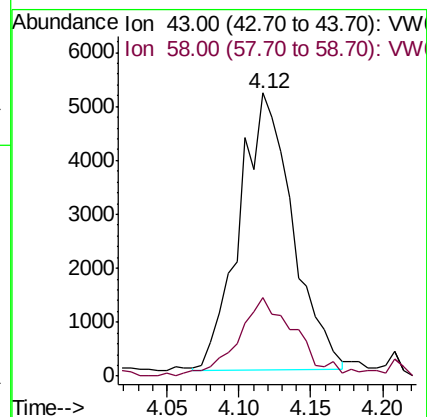
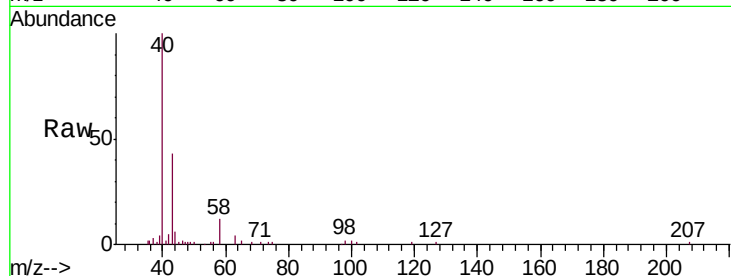
BF5S1RE

Tgt Ion: 43 Resp: 13179

Ion Ratio Lower Upper

43 100

58 29.2 0.0 56.2



#14

Carbon disulfide

Concen: 0.777 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW009411.D

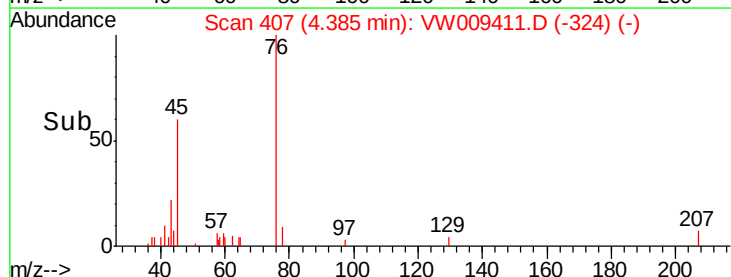
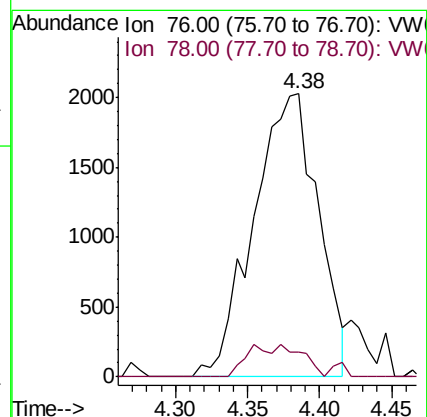
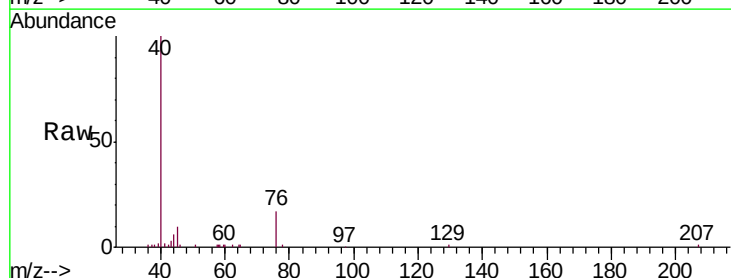
Acq: 24 Mar 2019 01:16

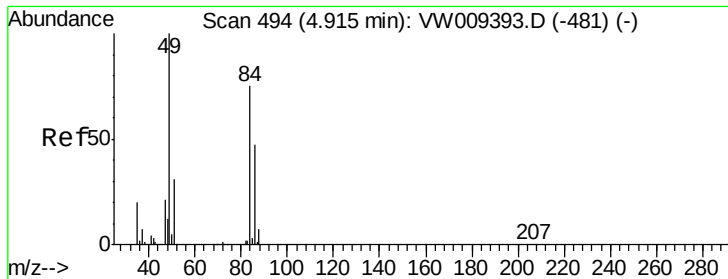
Tgt Ion: 76 Resp: 6329

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

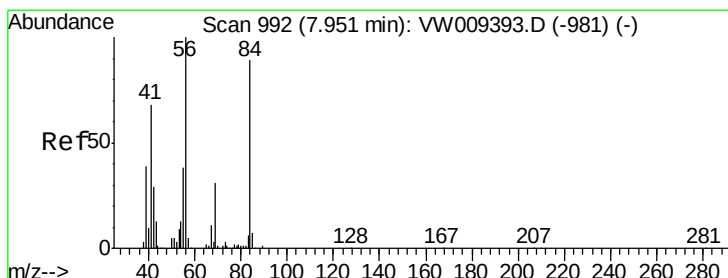
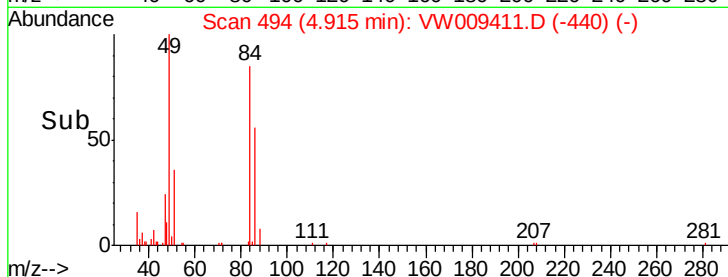
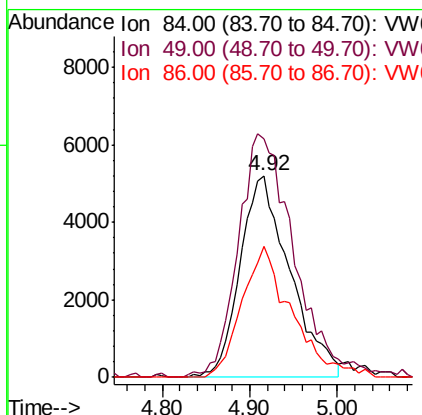
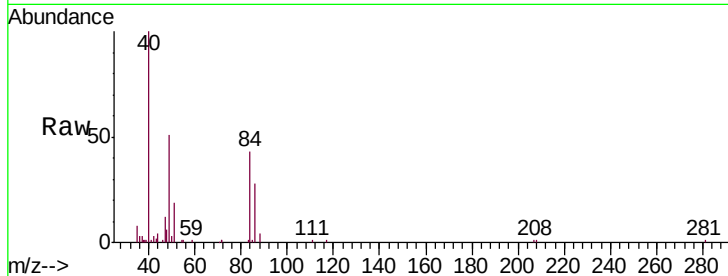




#16
Methylene chloride
Concen: 5.759 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009411.D
Acq: 24 Mar 2019 01:16

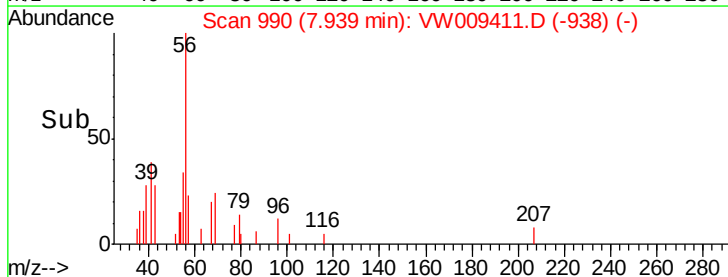
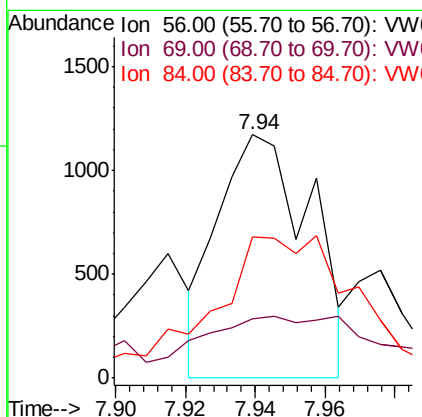
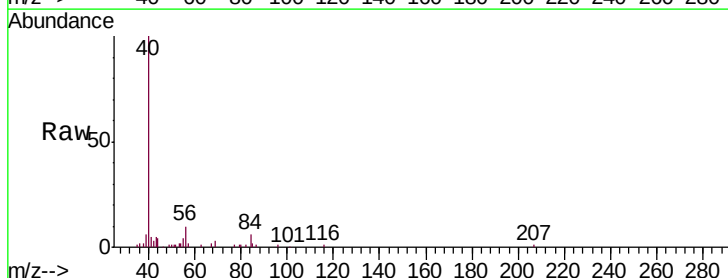
Instrument :
MSVOA_W
ClientSampleId :
BF5S1RE

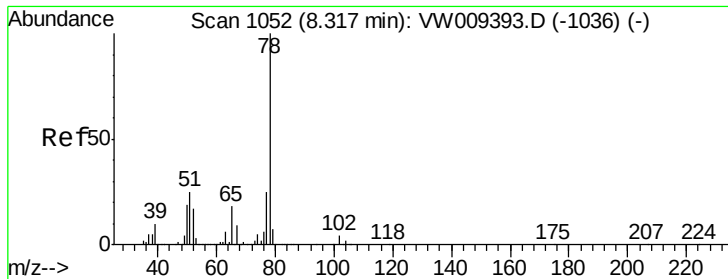
Tgt Ion: 84 Resp: 20636
Ion Ratio Lower Upper
84 100
49 118.5 96.0 178.2
86 65.1 44.4 82.5



#30
Cyclohexane
Concen: 0.667 ug/L
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW009411.D
Acq: 24 Mar 2019 01:16

Tgt Ion: 56 Resp: 2159
Ion Ratio Lower Upper
56 100
69 18.0 24.0 36.0#
84 59.1 69.2 103.8#





#34

Benzene

Concen: 0.542 ug/L

RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW009411.D

Acq: 24 Mar 2019 01:16

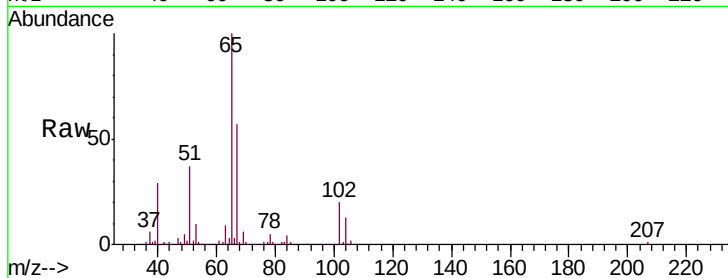
Instrument :

MSVOA_W

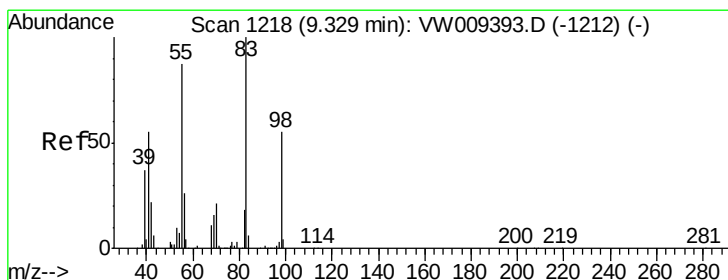
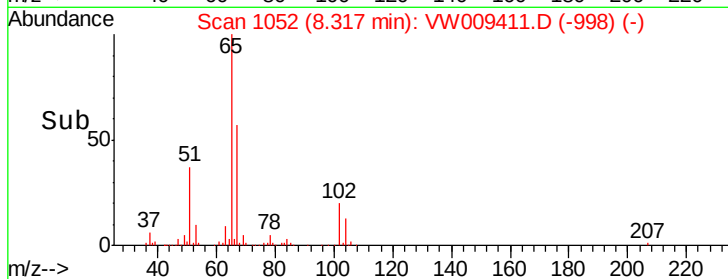
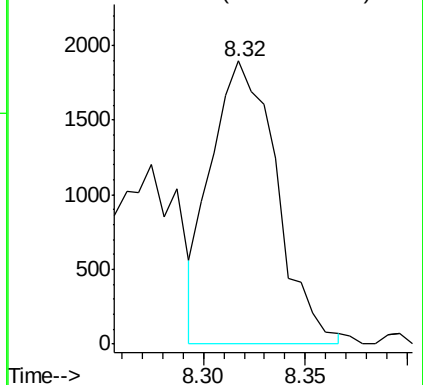
ClientSampleId :

BF5S1RE

Tgt Ion: 78 Resp: 4228



Abundance Ion 78.00 (77.70 to 78.70): VW



#36

Methylcyclohexane

Concen: 3.040 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VW009411.D

Acq: 24 Mar 2019 01:16

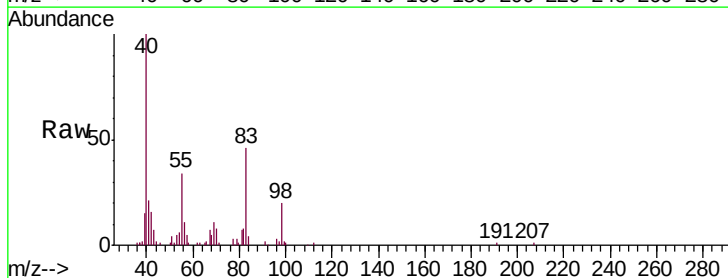
Tgt Ion: 83 Resp: 10941

Ion Ratio Lower Upper

83 100

55 100.0 63.5 95.3#

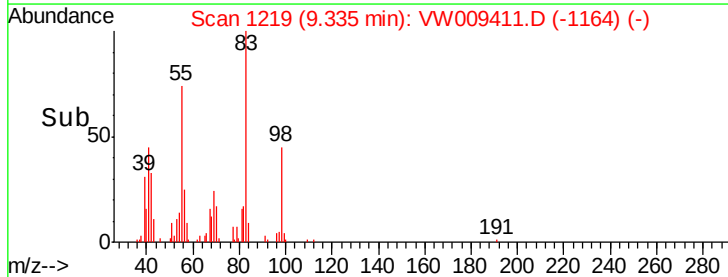
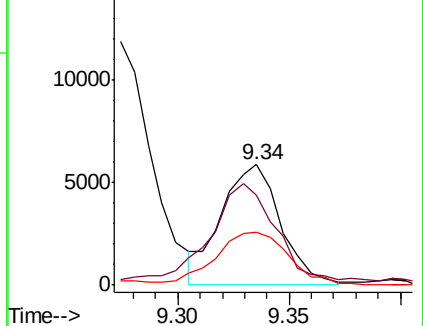
98 54.2 39.8 59.8

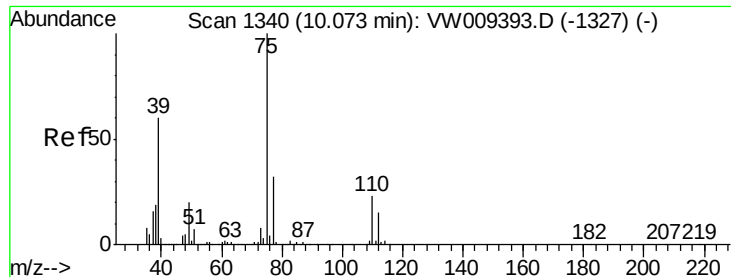


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#42

cis-1,3-Dichloropropene

Concen: 1.058 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW009411.D

Acq: 24 Mar 2019 01:16

Instrument :

MSVOA_W

ClientSampleId :

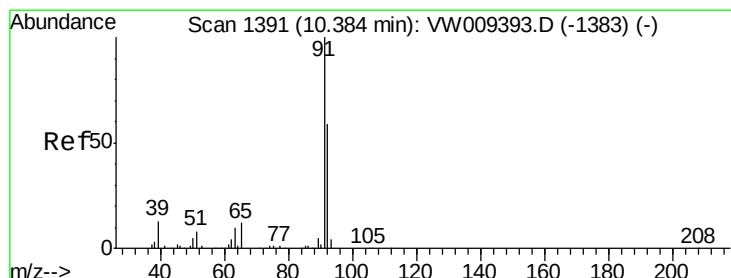
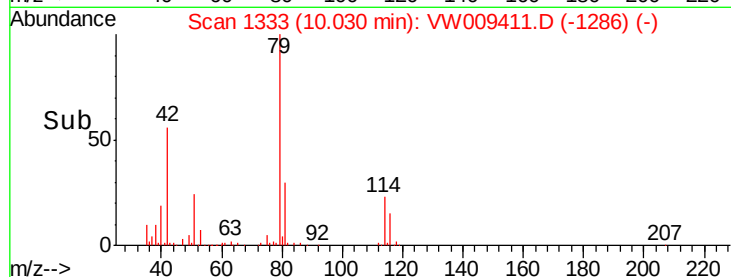
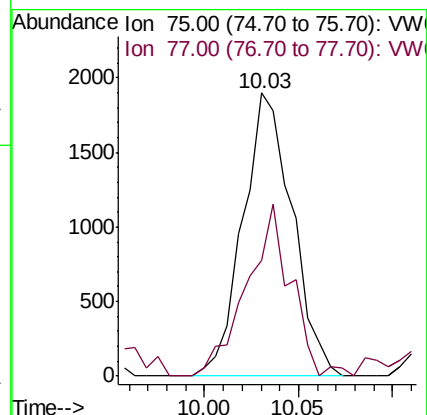
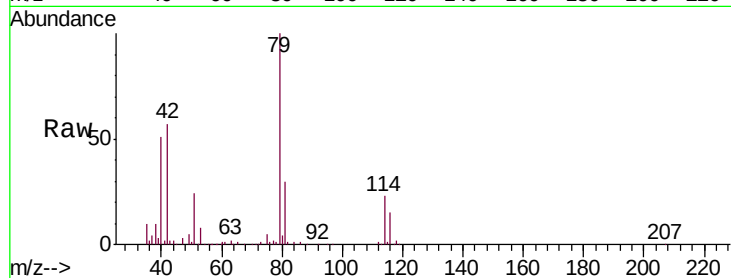
BF5S1RE

Tgt Ion: 75 Resp: 3452

Ion Ratio Lower Upper

75 100

77 40.8 21.6 40.2#



#44

Toluene

Concen: 2.284 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW009411.D

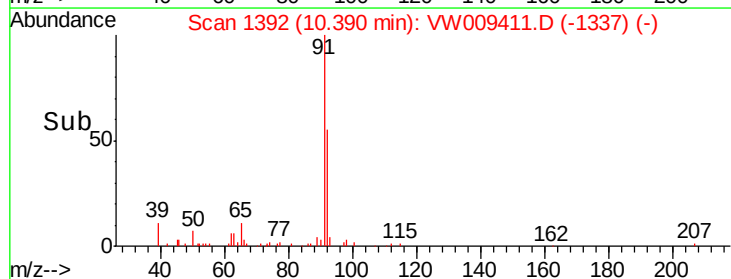
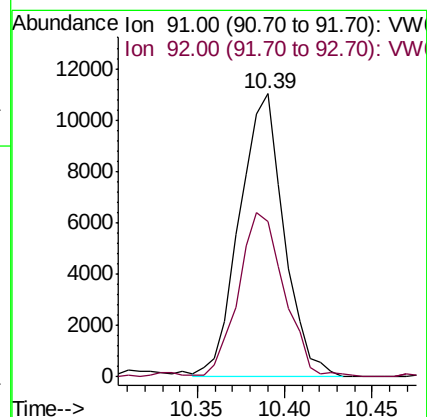
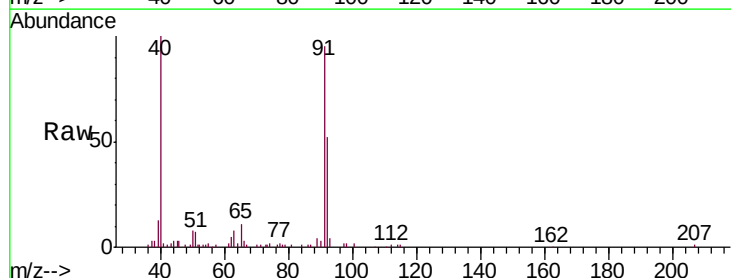
Acq: 24 Mar 2019 01:16

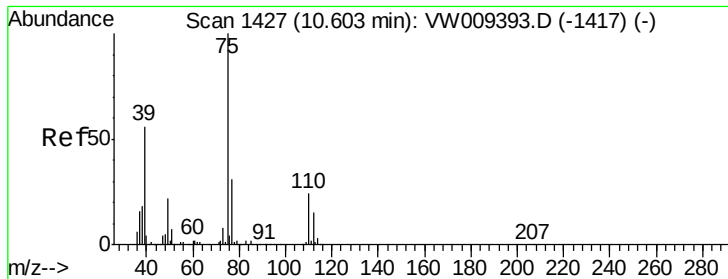
Tgt Ion: 91 Resp: 19495

Ion Ratio Lower Upper

91 100

92 55.1 39.8 73.8





#45

trans-1,3-Dichloropropene

Concen: 0.764 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009411.D

Acq: 24 Mar 2019 01:16

Instrument :

MSVOA_W

ClientSampleId :

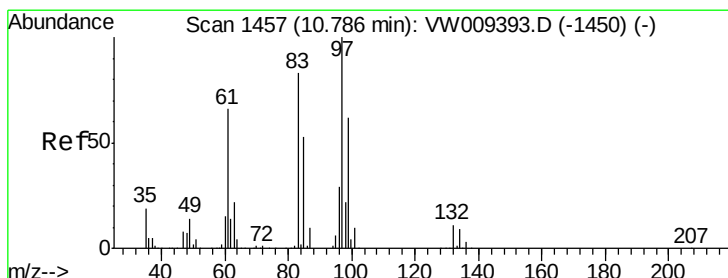
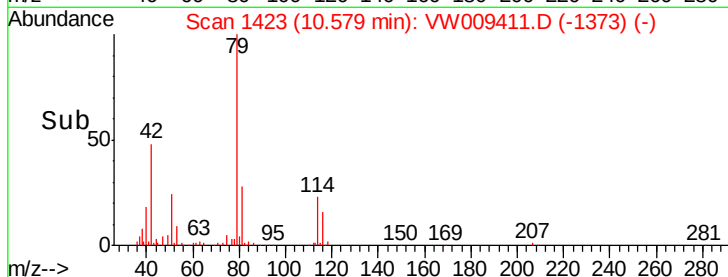
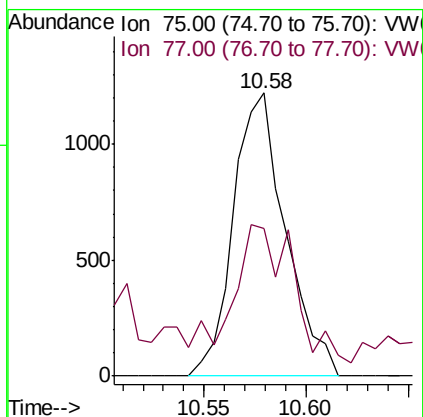
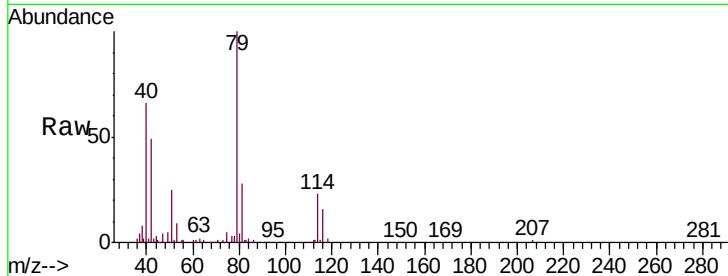
BF5S1RE

Tgt Ion: 75 Resp: 2167

Ion Ratio Lower Upper

75 100

77 52.0 22.5 41.7#



#46

1,1,2-Trichloroethane

Concen: 0.433 ug/L

RT: 10.77 min Scan# 1454

Delta R.T. -0.02 min

Lab File: VW009411.D

Acq: 24 Mar 2019 01:16

Tgt Ion: 97 Resp: 692

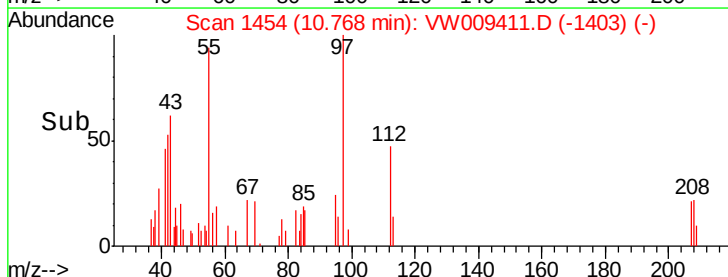
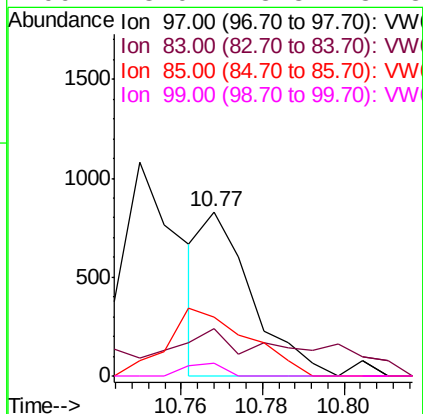
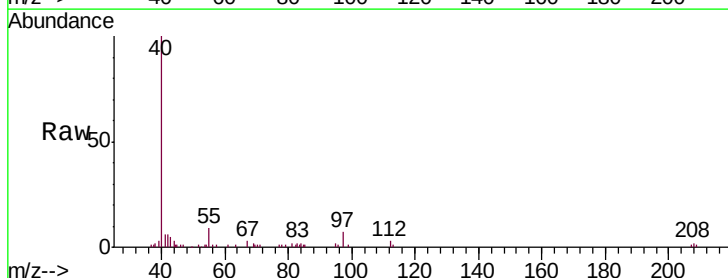
Ion Ratio Lower Upper

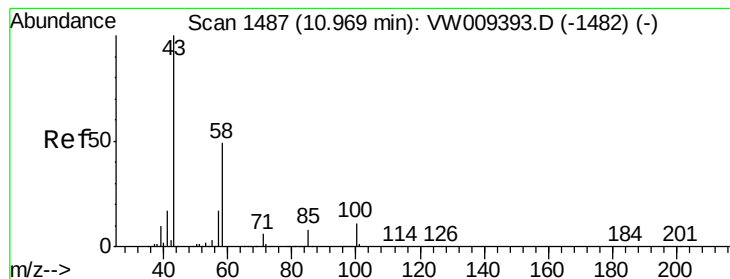
97 100

83 29.3 60.7 112.7#

85 35.5 40.1 74.5#

99 8.0 43.8 81.3#





#49

2-Hexanone

Concen: 17.479 ug/L

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW009411.D

Acq: 24 Mar 2019 01:16

Instrument :

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Tgt Ion: 43 Resp: 22345

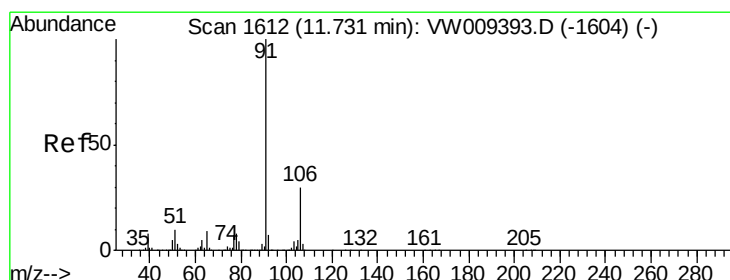
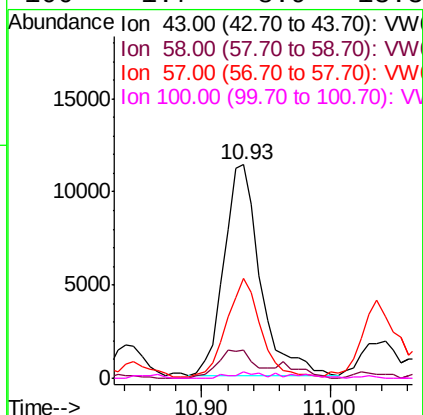
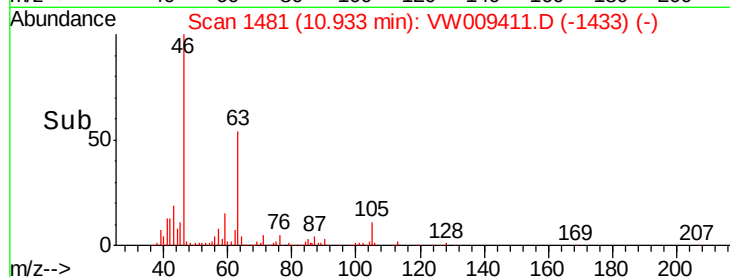
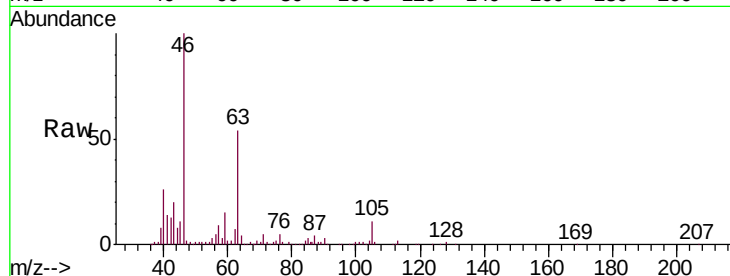
Ion Ratio Lower Upper

43 100

58 0.0 39.2 58.8#

57 43.7 14.2 21.2#

100 1.7 8.9 13.3#



#53

Ethylbenzene

Concen: 2.656 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW009411.D

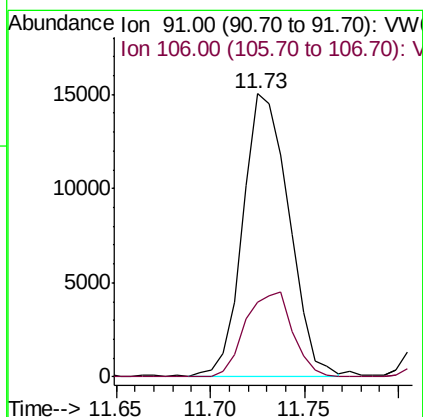
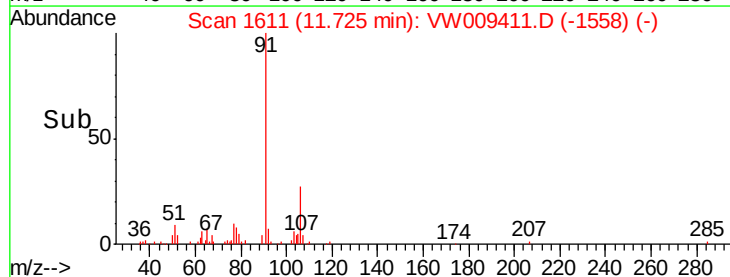
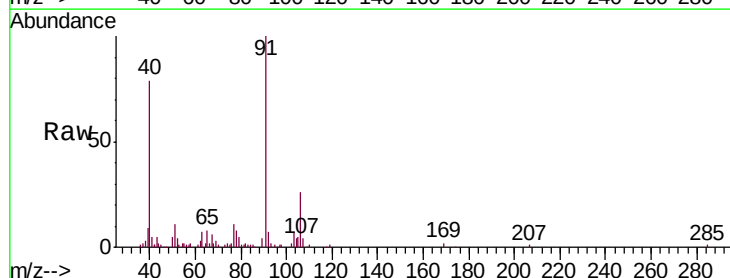
Acq: 24 Mar 2019 01:16

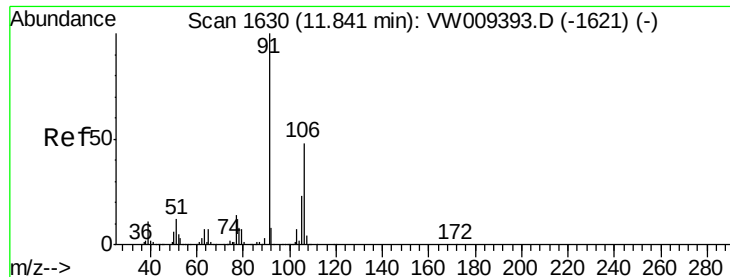
Tgt Ion: 91 Resp: 25484

Ion Ratio Lower Upper

91 100

106 26.5 21.0 39.0





#54

m,p-Xylene

Concen: 13.942 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW009411.D

Acq: 24 Mar 2019 01:16

Instrument :

MSVOA_W

ClientSampleId :

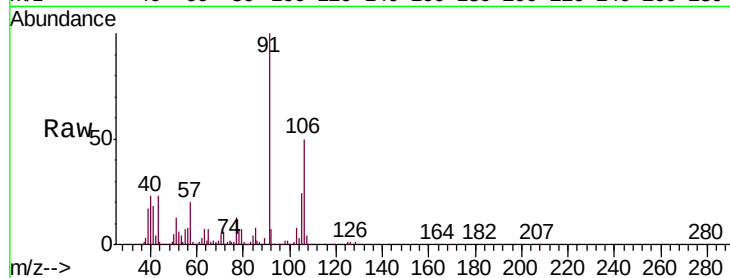
BF5S1RE

Tgt Ion:106 Resp: 50825

Ion Ratio Lower Upper

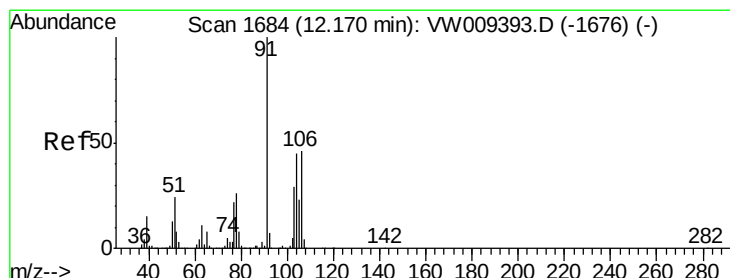
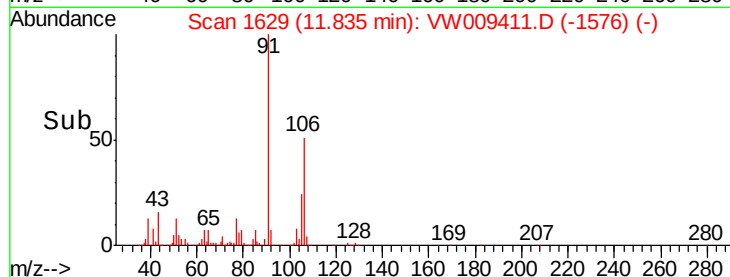
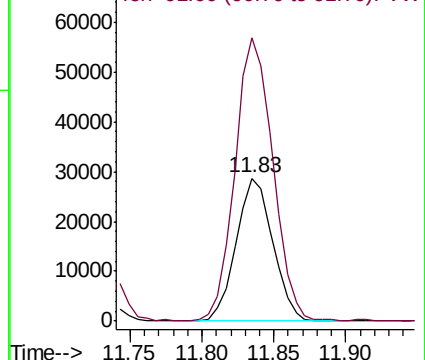
106 100

91 198.4 138.4 257.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 8.729 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW009411.D

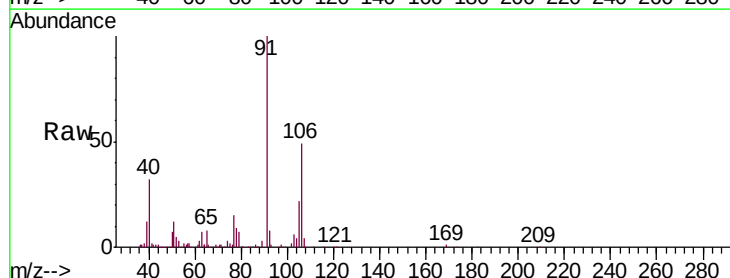
Acq: 24 Mar 2019 01:16

Tgt Ion:106 Resp: 31046

Ion Ratio Lower Upper

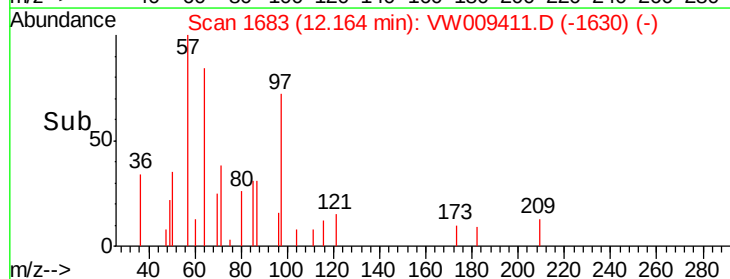
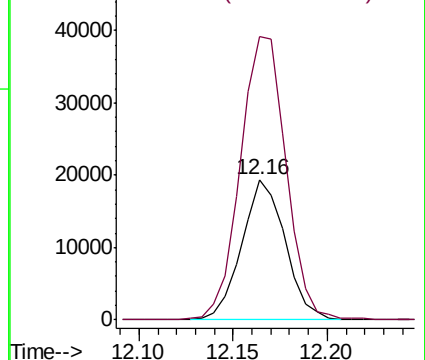
106 100

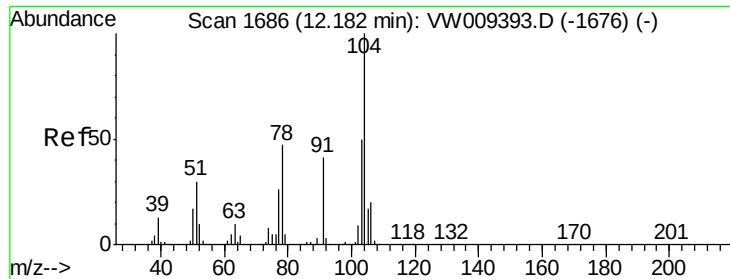
91 202.0 153.2 284.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 0.394 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.02 min

Lab File: VW009411.D

Acq: 24 Mar 2019 01:16

Instrument :

MSVOA_W

ClientSampleId :

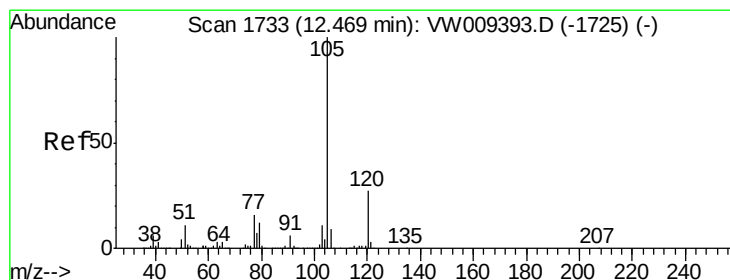
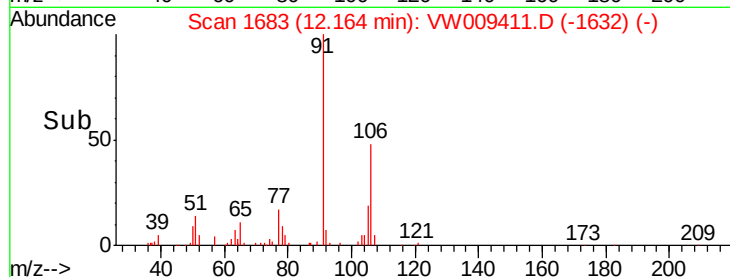
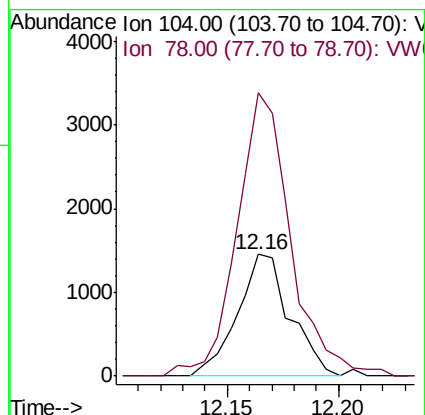
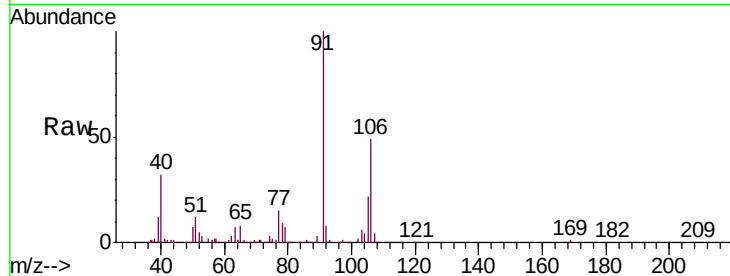
BF5S1RE

Tgt Ion:104 Resp: 2388

Ion Ratio Lower Upper

104 100

78 232.7 30.9 57.3#



#57

Isopropylbenzene

Concen: 1.261 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009411.D

Acq: 24 Mar 2019 01:16

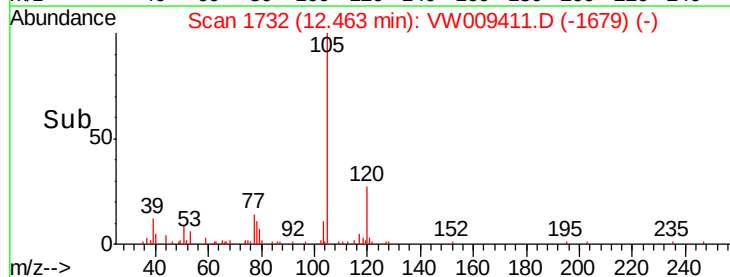
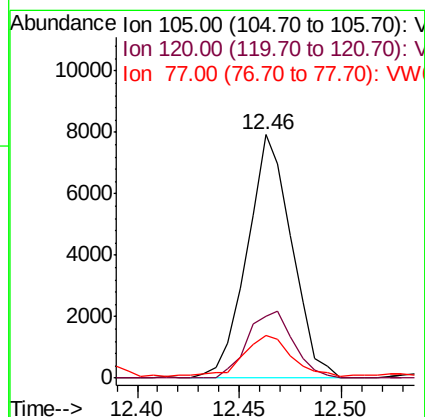
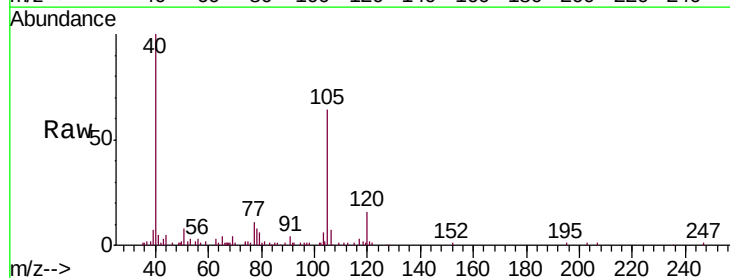
Tgt Ion:105 Resp: 12018

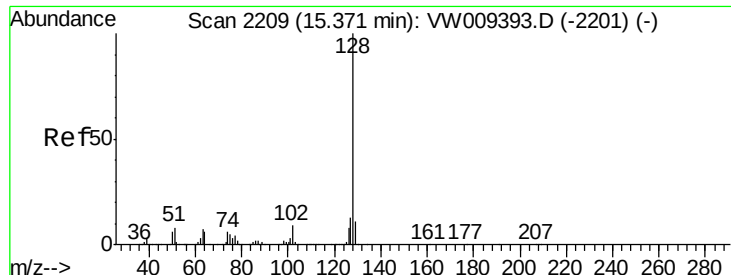
Ion Ratio Lower Upper

105 100

120 28.1 21.3 31.9

77 17.9 13.1 19.7





#69

Naphthalene

Concen: 4.104 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009411.D

Acq: 24 Mar 2019 01:16

Instrument :

MSVOA_W

ClientSampleId :

BF5S1RE

Tgt Ion:128 Resp: 11109

Ion Ratio Lower Upper

128 100

129 12.3 8.7 13.1

127 17.2 11.1 16.7#

