

Data File : VW007929.D
Acq On : 26 Dec 2018 17:58
Operator : SY/AP
Sample : J6441-07
Misc : 4.54G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BE7Z6RE

Quant Time: Dec 27 00:48:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 27 00:43:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	87366	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	58013	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	16304	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	20191	23.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.80%
7) Chloroethane-d5	2.89	69	14552	25.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.36%
10) 1,1-Dichloroethene-d2	4.01	63	40051	17.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.72%
20) 2-Butanone-d5	7.08	46	14490	39.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.92%
24) Chloroform-d	7.65	84	54473	23.44	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.76%
26) 1,2-Dichloroethane-d4	8.30	65	31511	22.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.44%
29) Benzene-d6	8.27	84	103714	31.88	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	127.52%
33) 1,2-Dichloropropane-d6	9.27	67	28843	32.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	130.36%#
37) Toluene-d8	10.32	98	84146	26.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.20%
38) trans-1,3-Dichloropropene-	10.58	79	10787	21.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.92%
39) 2-Hexanone-d5	10.93	63	11456	50.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	17309	20.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.28%
61) 1,2-Dichlorobenzene-d4	13.86	152	13767	20.91	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.64%

Target Compounds

					Qvalue
13) Acetone	4.12	43	21581	60.156 ug/L	99
14) Carbon disulfide	4.37	76	7870	2.460 ug/L	99
21) 2-Butanone	7.18	43	8076	19.784 ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	492	0.419 ug/L #	68
34) Benzene	8.32	78	20235	6.518 ug/L	100
35) Trichloroethene	9.09	95	498	0.552 ug/L #	23
36) Methylcyclohexane	9.34	83	1898	1.227 ug/L #	34
40) 1,2-Dichloropropane	9.27	63	3591	4.921 ug/L #	69
41) Bromodichloromethane	9.34	83	1450	1.351 ug/L #	25
42) cis-1,3-Dichloropropene	10.04	75	1107	0.869 ug/L #	68
44) Toluene	10.39	91	7119	2.050 ug/L	99
46) 1,1,2-Trichloroethane	10.76	97	332	0.538 ug/L #	16
52) Chlorobenzene	11.66	112	1443	0.638 ug/L #	91
53) Ethylbenzene	11.73	91	4039	1.012 ug/L	99
54) m,p-Xylene	11.83	106	4098	2.726 ug/L	99
55) o-xylene	12.17	106	3161	2.217 ug/L	96
57) Isopropylbenzene	12.47	105	8079	2.000 ug/L	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122718\
Quantitation Report (Not Reviewed)

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QLast Update : Thu Dec 27 00:43:27 2018
Response via : Initial Calibration

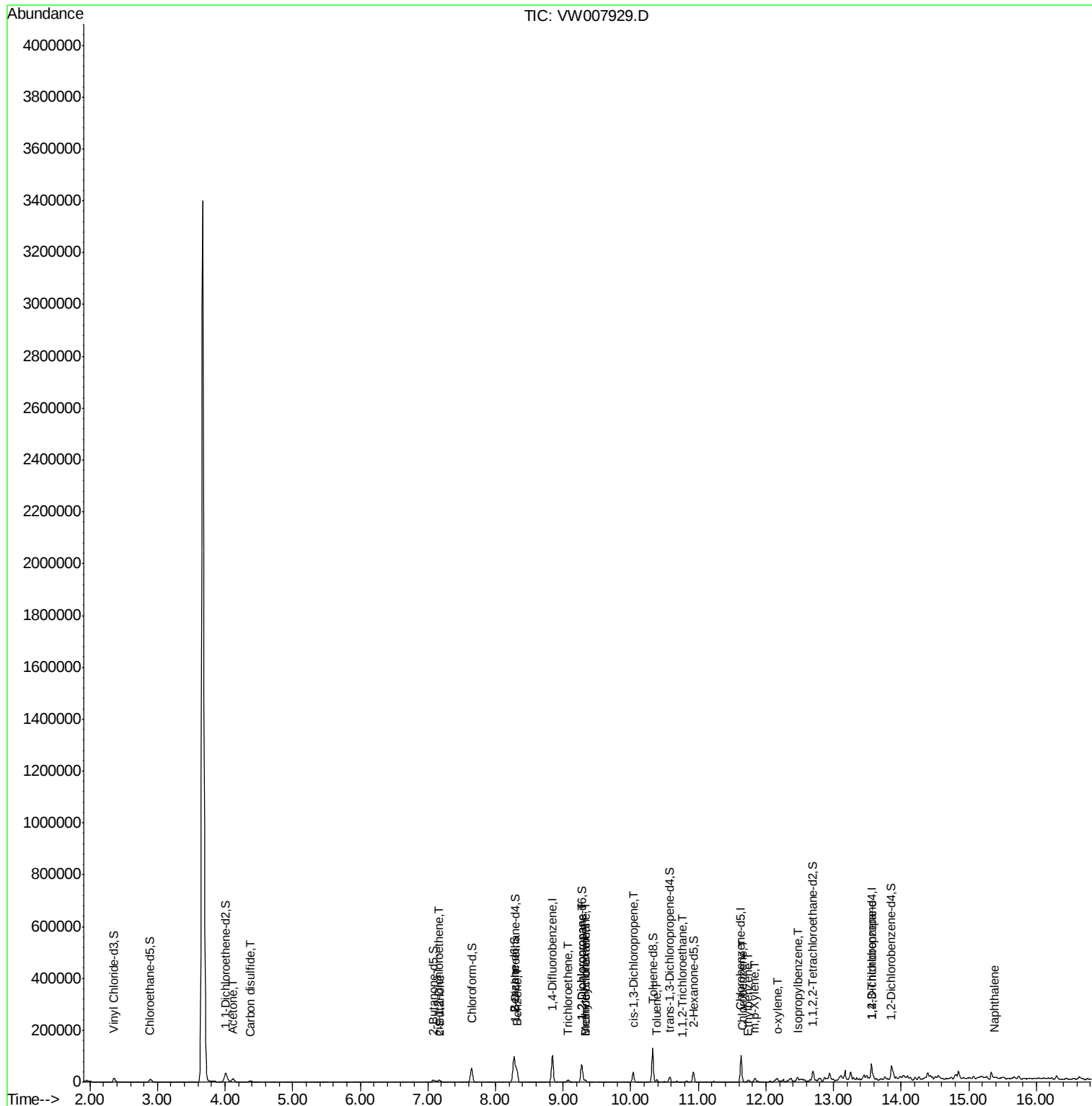
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	13.57	75	1802	2.927	ug/L	95
69) Naphthalene	15.38	128	5918	3.990	ug/L	96

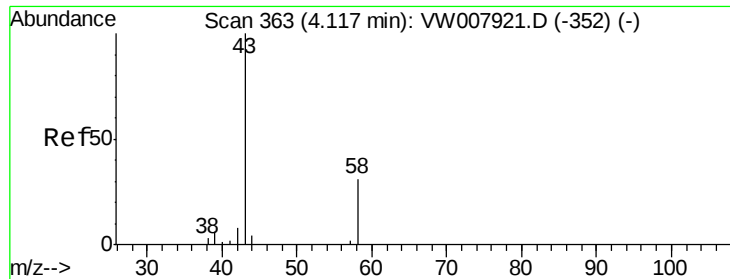
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 60.156 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007929.D

Acq: 26 Dec 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

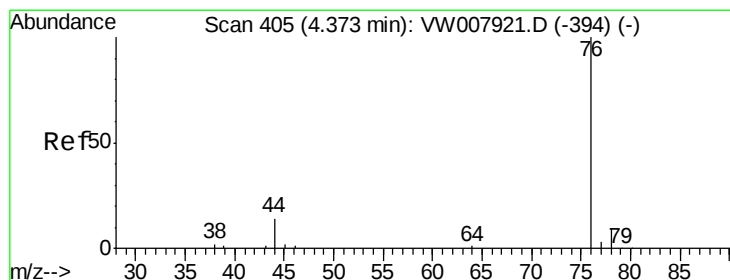
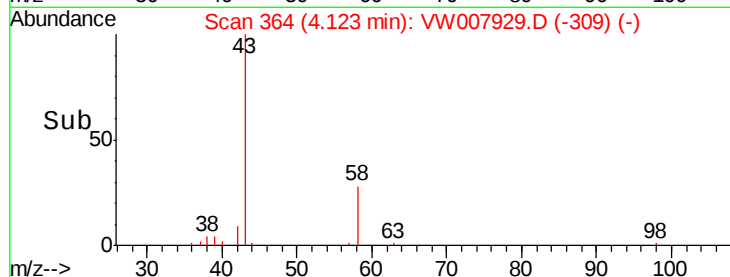
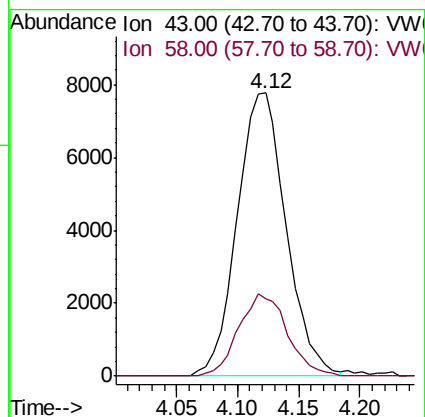
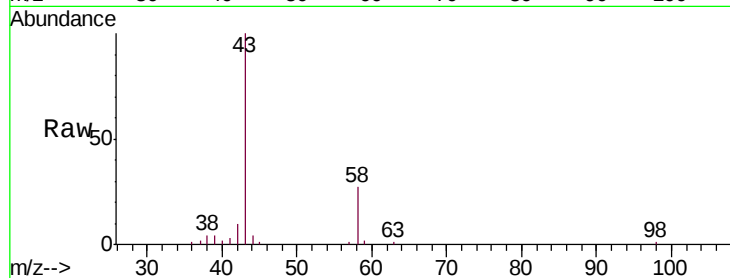
BE7Z6RE

Tgt Ion: 43 Resp: 21581

Ion Ratio Lower Upper

43 100

58 28.7 0.0 58.6



#14

Carbon disulfide

Concen: 2.460 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007929.D

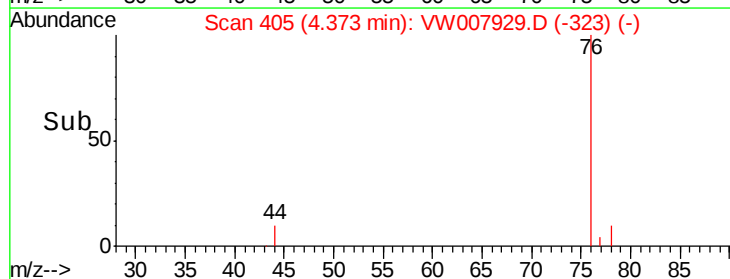
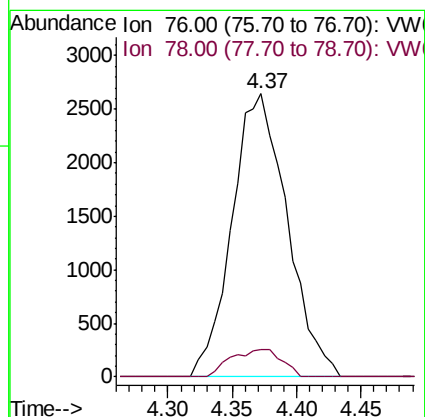
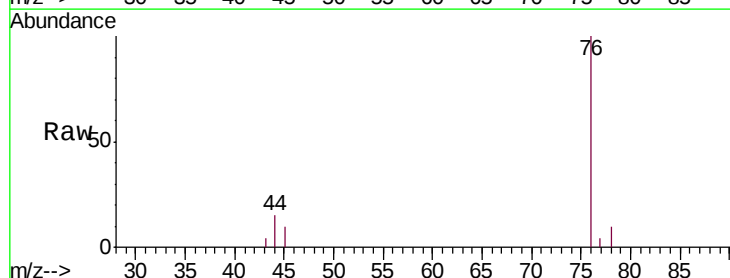
Acq: 26 Dec 2018 17:58

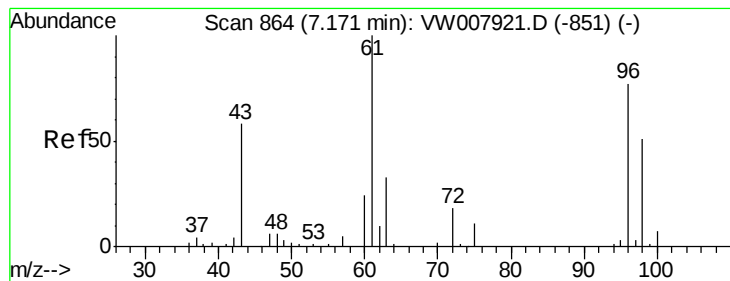
Tgt Ion: 76 Resp: 7870

Ion Ratio Lower Upper

76 100

78 9.7 7.5 11.3





#21

2-Butanone

Concen: 19.784 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007929.D

Acq: 26 Dec 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

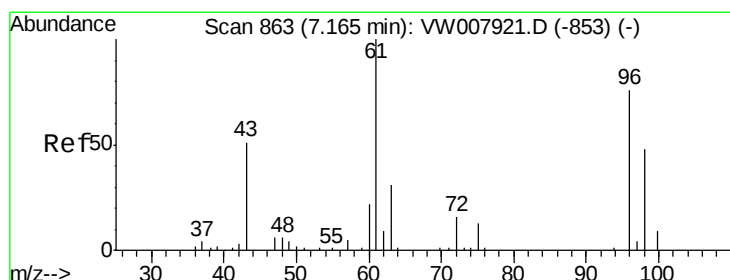
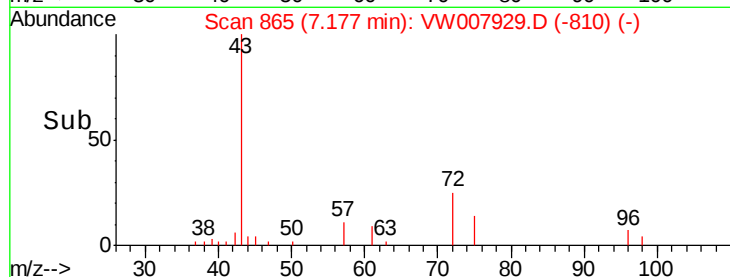
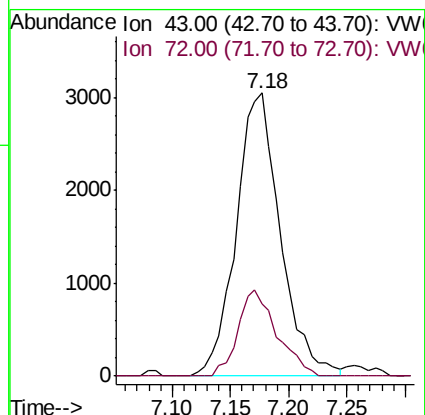
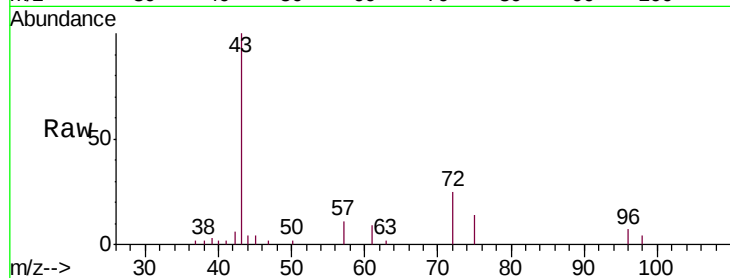
BE7Z6RE

Tgt Ion: 43 Resp: 8076

Ion Ratio Lower Upper

43 100

72 26.7 14.4 43.4



#22

cis-1,2-Dichloroethene

Concen: 0.419 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW007929.D

Acq: 26 Dec 2018 17:58

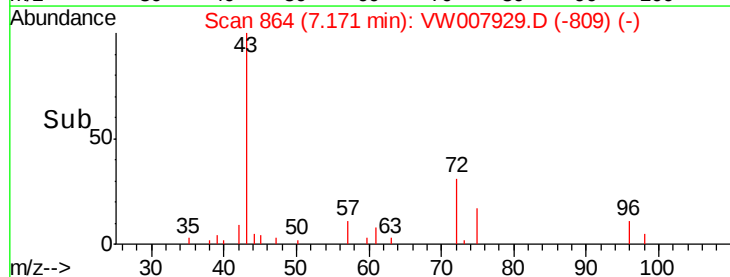
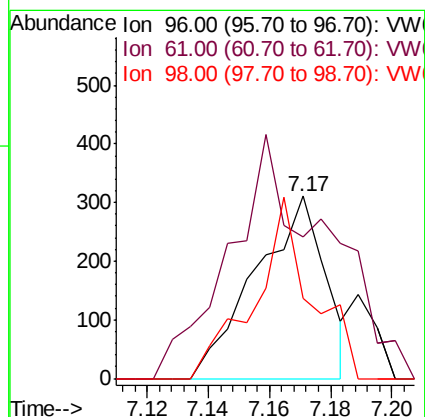
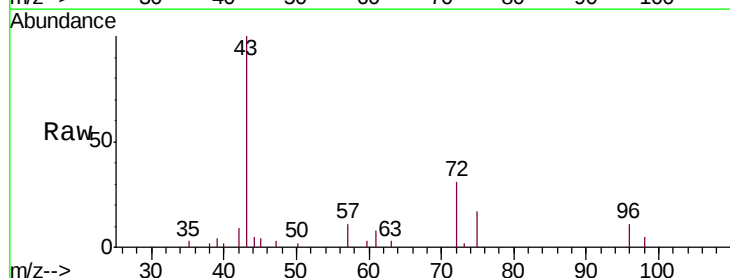
Tgt Ion: 96 Resp: 492

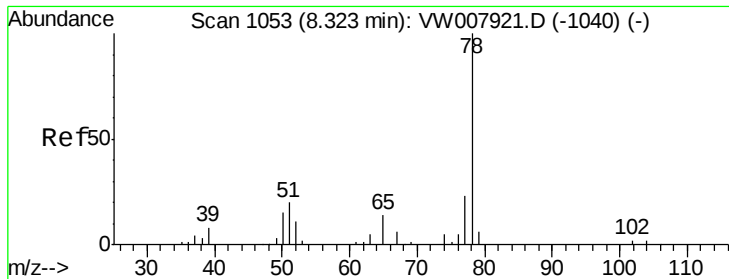
Ion Ratio Lower Upper

96 100

61 77.5 83.4 155.0#

98 44.1 42.3 78.5





#34

Benzene

Concen: 6.518 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW007929.D

Acq: 26 Dec 2018 17:58

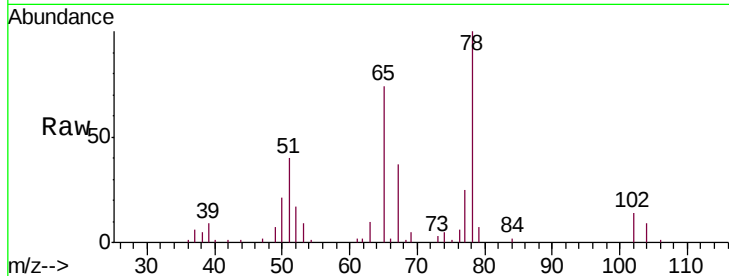
Instrument :

MSVOA_W

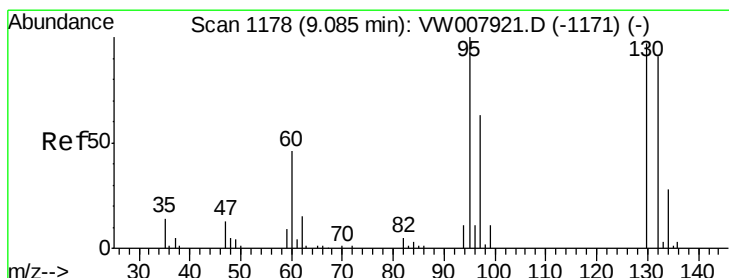
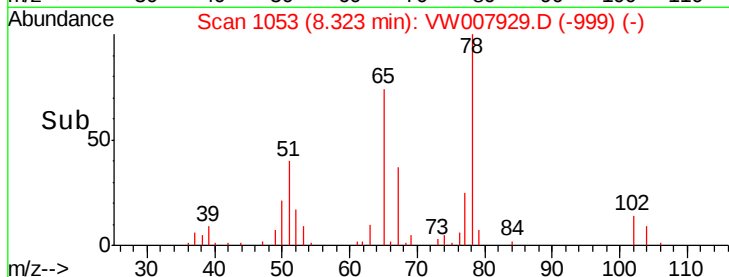
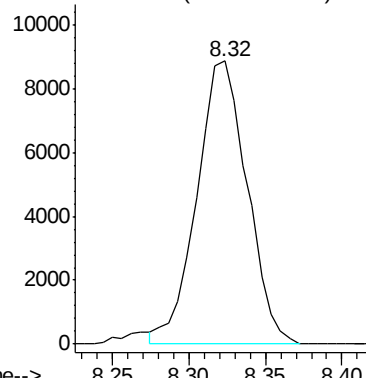
ClientSampleId :

BE7Z6RE

Tgt Ion: 78 Resp: 20235



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 0.552 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW007929.D

Acq: 26 Dec 2018 17:58

Tgt Ion: 95 Resp: 498

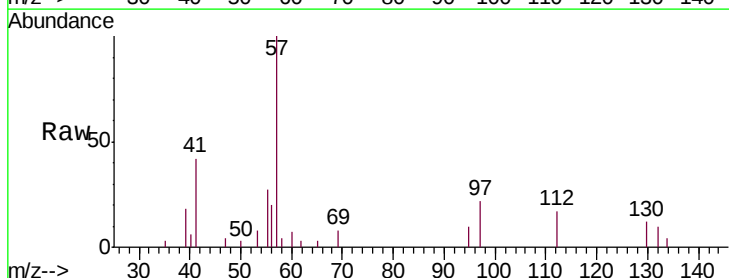
Ion Ratio Lower Upper

95 100

97 247.4 44.4 82.5#

132 115.3 67.8 126.0

130 67.3 70.3 130.7#

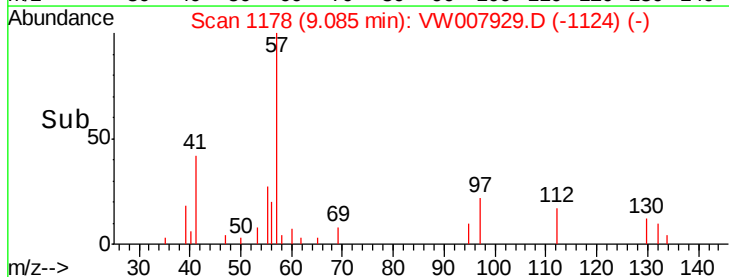
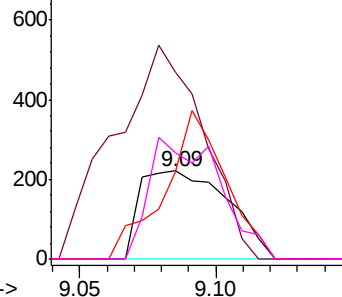


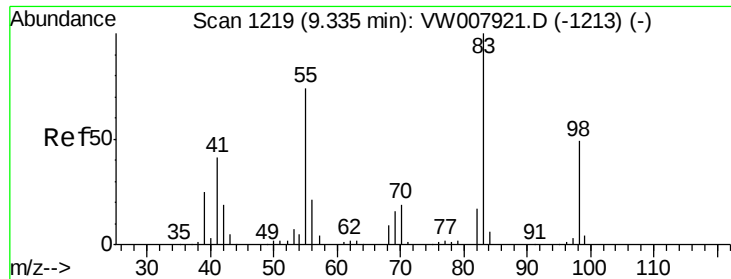
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

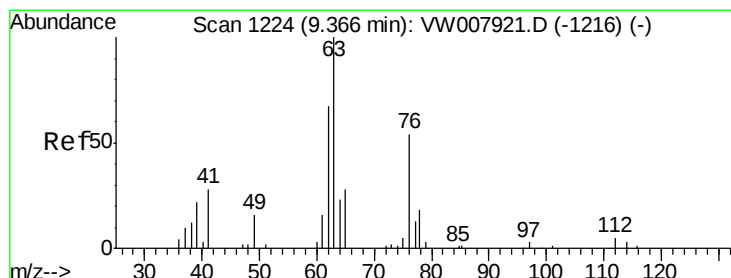
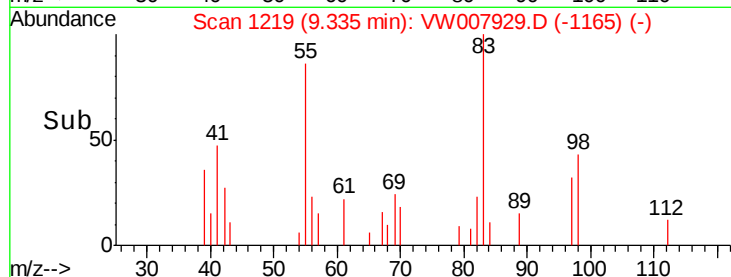
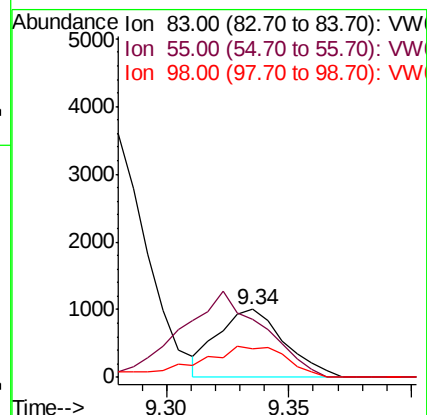
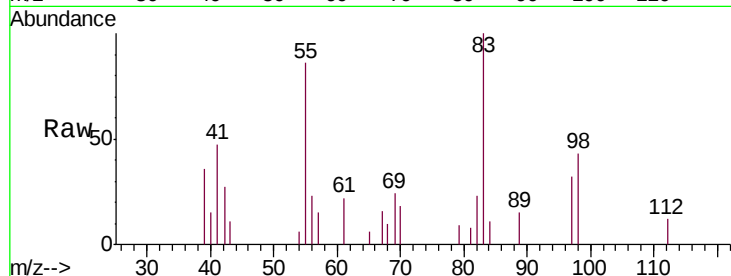




#36
Methylcyclohexane
Concen: 1.227 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007929.D
Acq: 26 Dec 2018 17:58

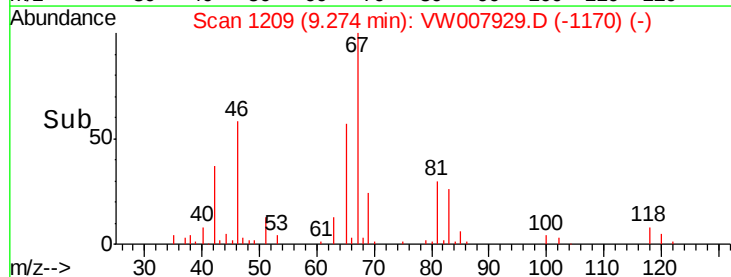
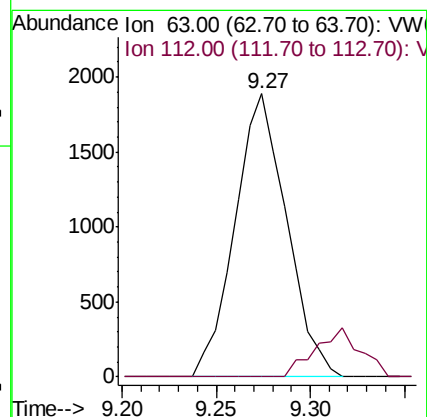
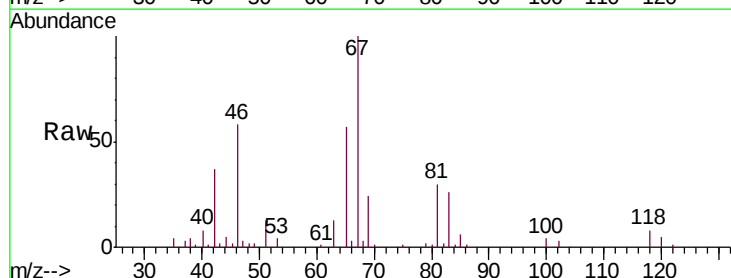
Instrument :
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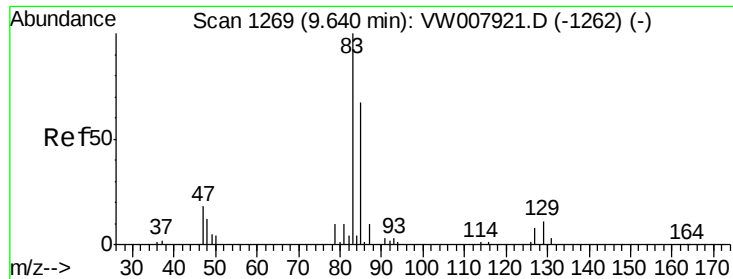
Tgt Ion: 83 Resp: 1898
Ion Ratio Lower Upper
83 100
55 158.4 59.4 89.0#
98 57.4 38.2 57.2#



#40
1,2-Dichloropropane
Concen: 4.921 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.09 min
Lab File: VW007929.D
Acq: 26 Dec 2018 17:58

Tgt Ion: 63 Resp: 3591
Ion Ratio Lower Upper
63 100
112 15.0 3.7 5.5#





#41

Bromodichloromethane

Concen: 1.351 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.31 min

Lab File: VW007929.D

Acq: 26 Dec 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

BE7Z6RE

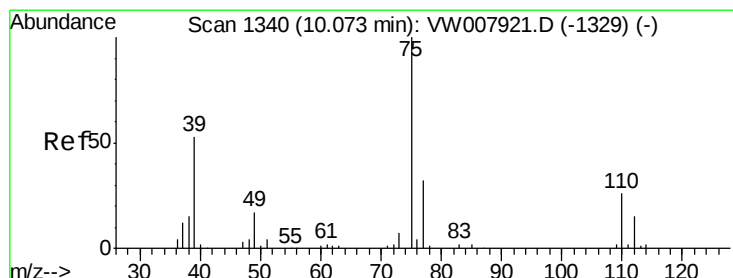
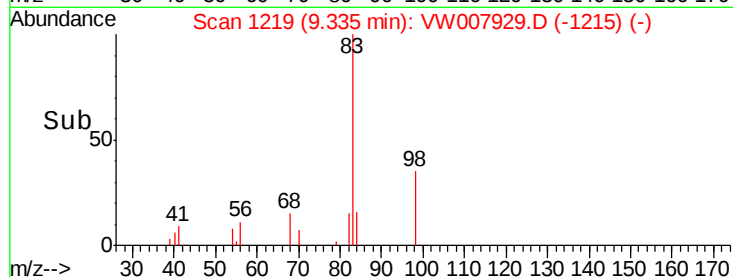
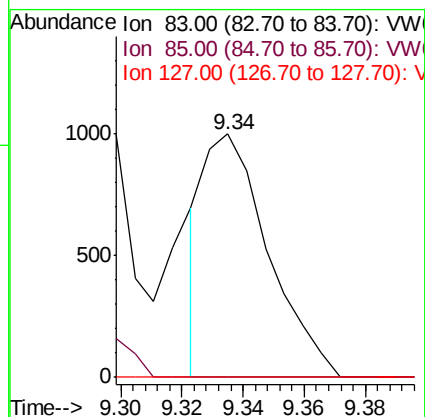
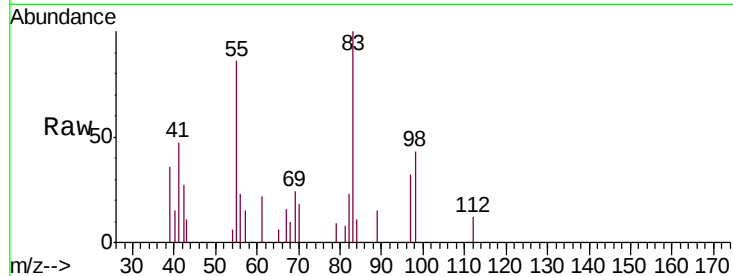
Tgt Ion: 83 Resp: 1450

Ion Ratio Lower Upper

83 100

85 0.0 44.4 82.5#

127 0.0 7.0 10.6#



#42

cis-1,3-Dichloropropene

Concen: 0.869 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW007929.D

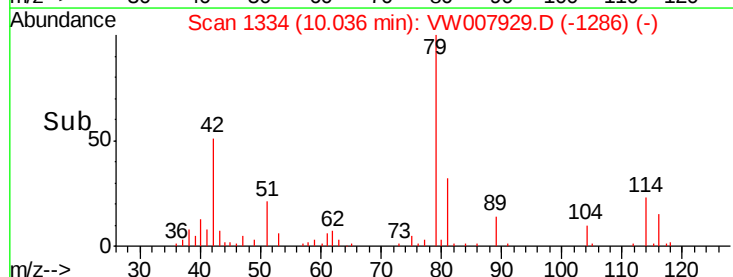
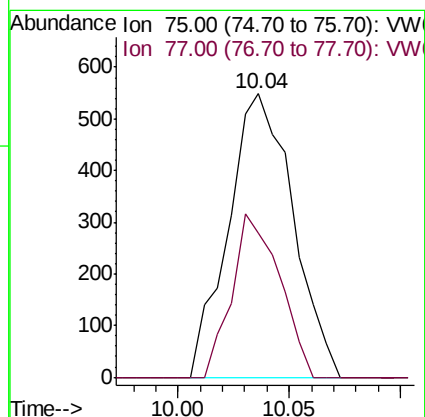
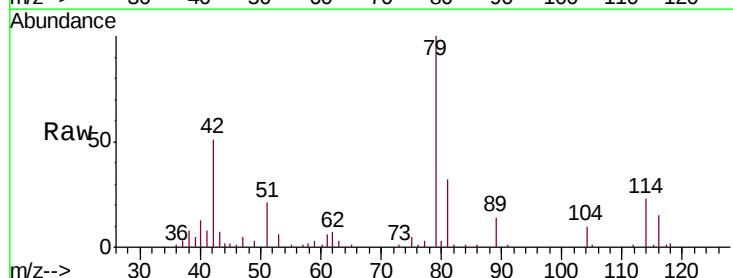
Acq: 26 Dec 2018 17:58

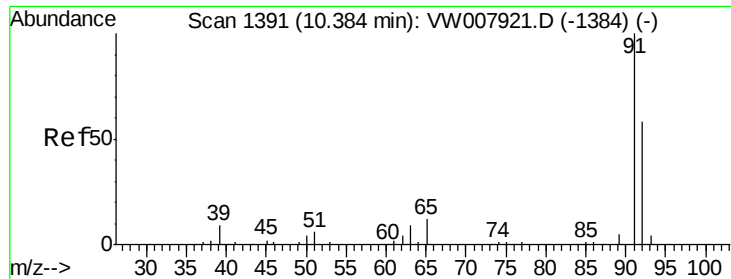
Tgt Ion: 75 Resp: 1107

Ion Ratio Lower Upper

75 100

77 50.7 23.0 42.8#





#44

Toluene

Concen: 2.050 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW007929.D

Acq: 26 Dec 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

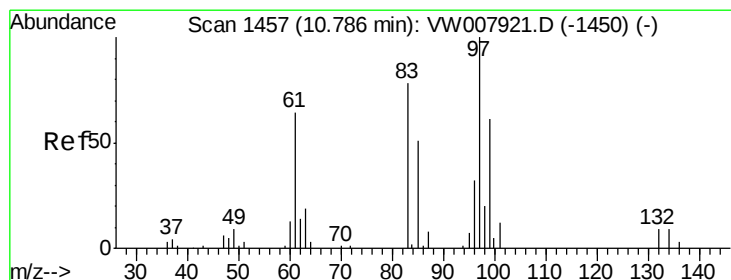
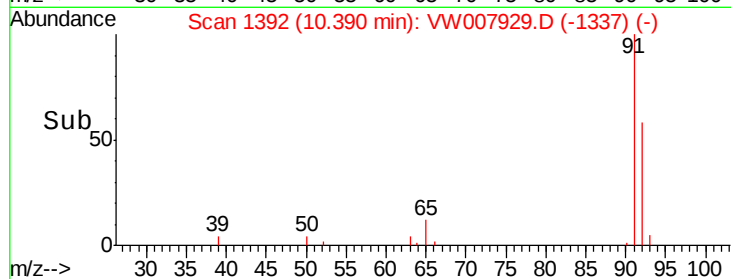
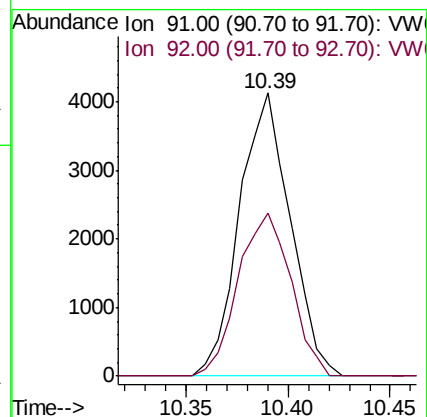
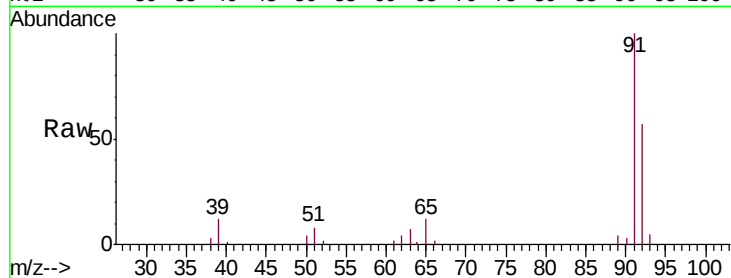
BE7Z6RE

Tgt Ion: 91 Resp: 7119

Ion Ratio Lower Upper

91 100

92 57.4 39.6 73.6



#46

1,1,2-Trichloroethane

Concen: 0.538 ug/L

RT: 10.76 min Scan# 1452

Delta R.T. -0.03 min

Lab File: VW007929.D

Acq: 26 Dec 2018 17:58

Tgt Ion: 97 Resp: 332

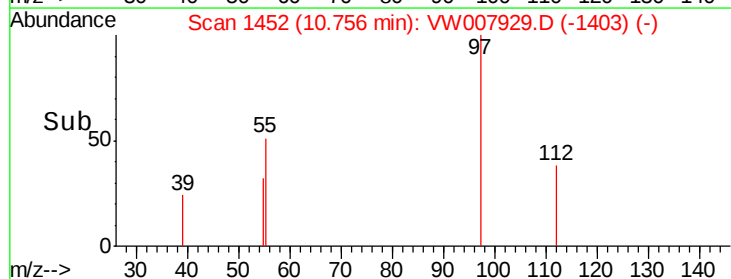
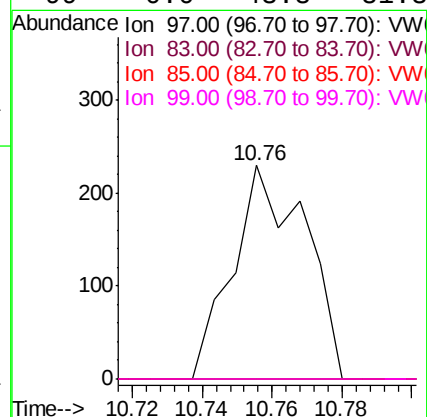
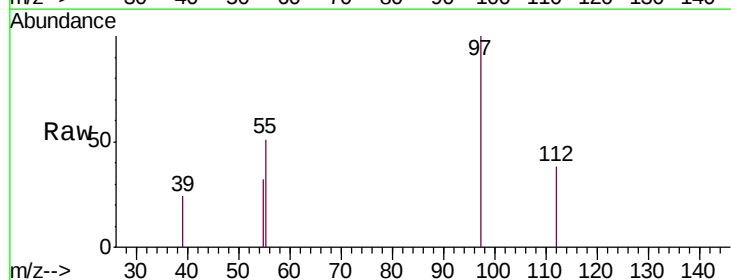
Ion Ratio Lower Upper

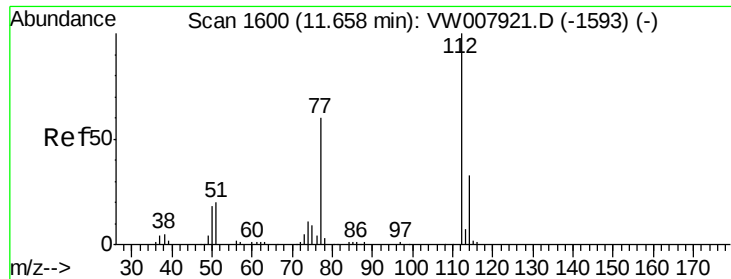
97 100

83 0.0 58.4 108.6#

85 0.0 36.4 67.6#

99 0.0 43.8 81.3#





#52

Chlorobenzene

Concen: 0.638 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW007929.D

Acq: 26 Dec 2018 17:58

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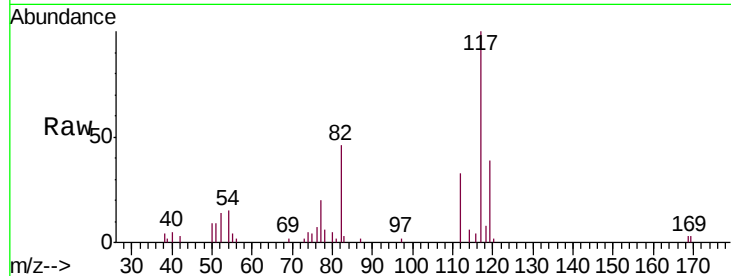
Tgt Ion: 112 Resp: 1443

Ion Ratio Lower Upper

112 100

77 60.8 47.8 71.6

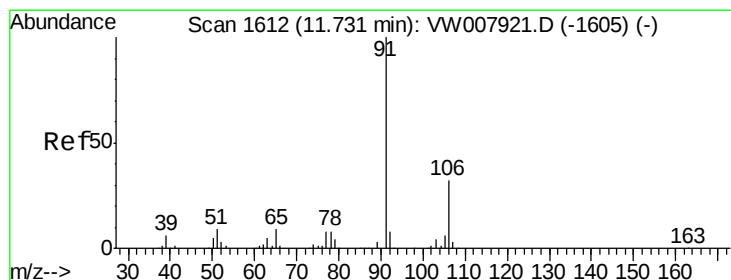
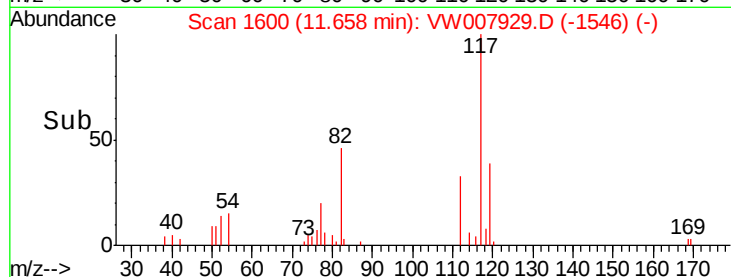
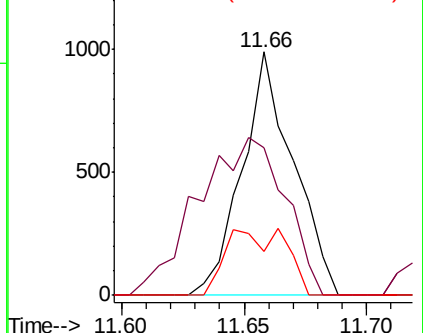
114 18.2 22.2 41.2#



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 1.012 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW007929.D

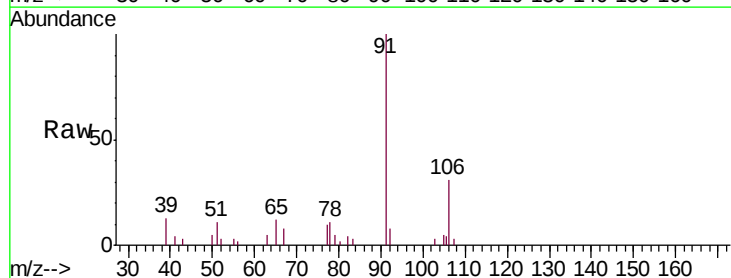
Acq: 26 Dec 2018 17:58

Tgt Ion: 91 Resp: 4039

Ion Ratio Lower Upper

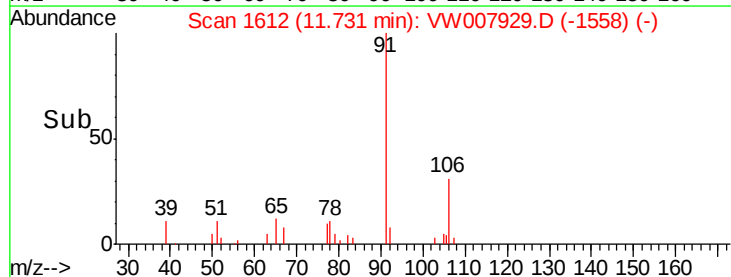
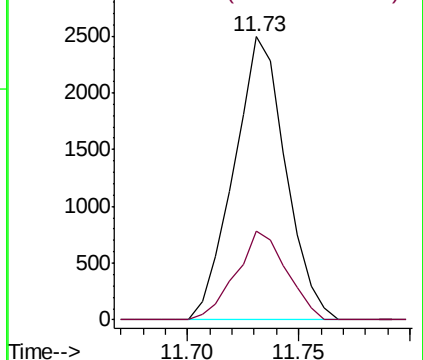
91 100

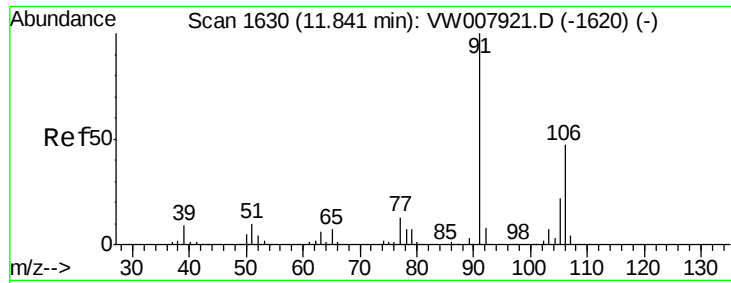
106 31.5 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

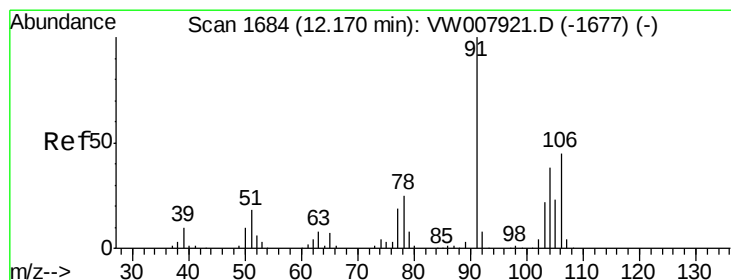
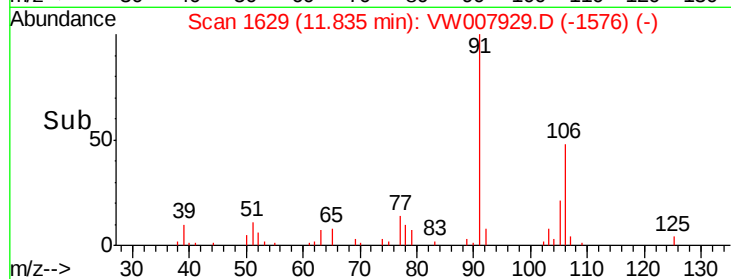
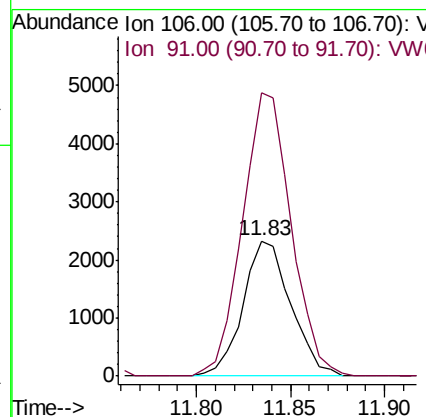
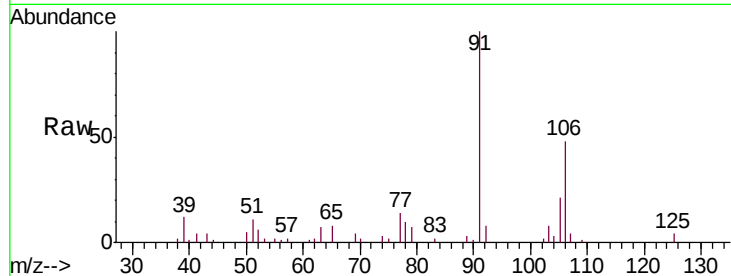




#54
m,p-Xylene
Concen: 2.726 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007929.D
Acq: 26 Dec 2018 17:58

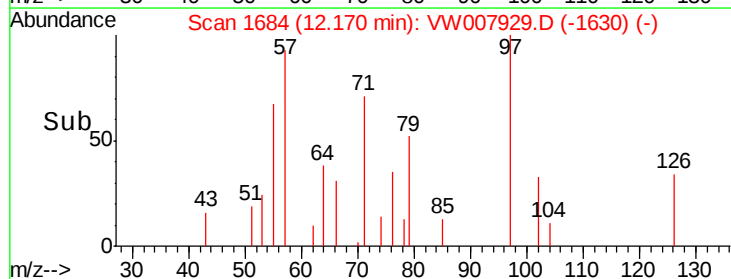
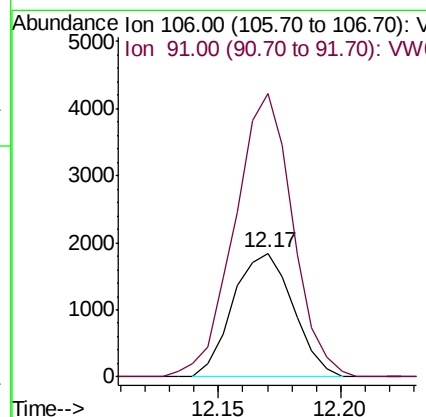
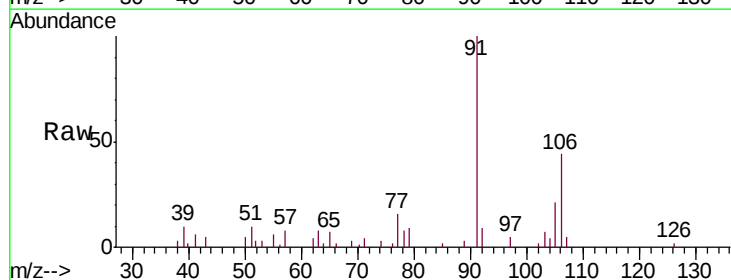
Instrument :
MSVOA_W
ClientSampled :
BE7Z6RE

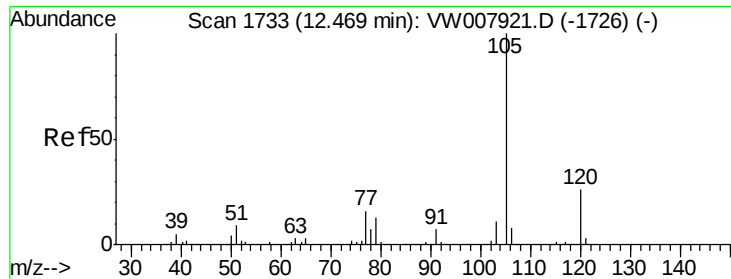
Tgt Ion:106 Resp: 4098
Ion Ratio Lower Upper
106 100
91 209.8 147.8 274.4



#55
o-xylene
Concen: 2.217 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007929.D
Acq: 26 Dec 2018 17:58

Tgt Ion:106 Resp: 3161
Ion Ratio Lower Upper
106 100
91 229.4 156.0 289.6





#57

Isopropylbenzene

Concen: 2.000 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007929.D

Acq: 26 Dec 2018 17:58

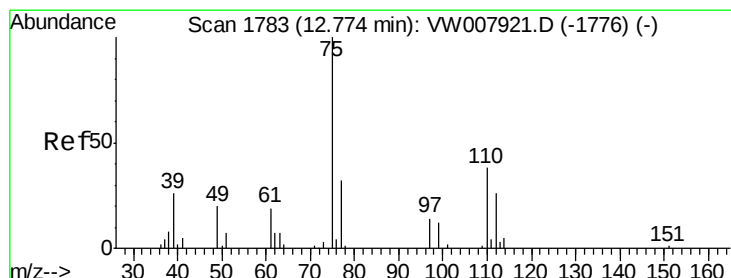
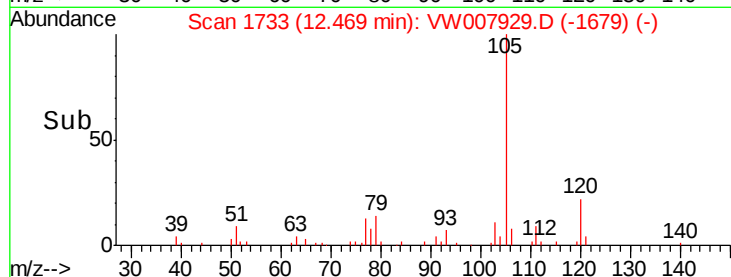
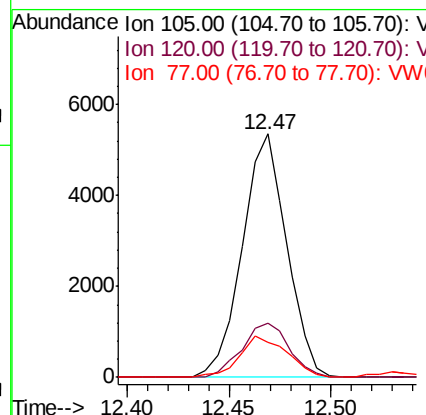
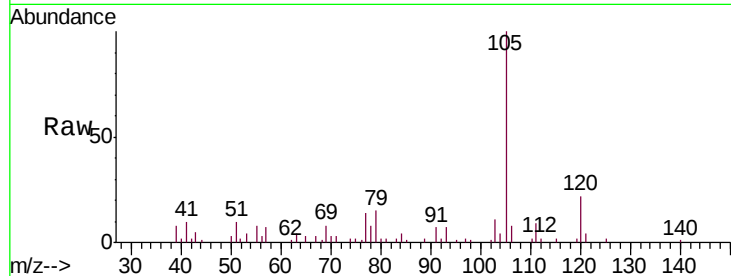
Instrument :

MSVOA_W

ClientSampleId :

BE7Z6RE

Tgt Ion:	105	Resp:	8079
Ion	Ratio	Lower	Upper
105	100		
120	23.7	21.1	31.7
77	18.0	12.4	18.6



#59

1,2,3-Trichloropropane

Concen: 2.927 ug/L

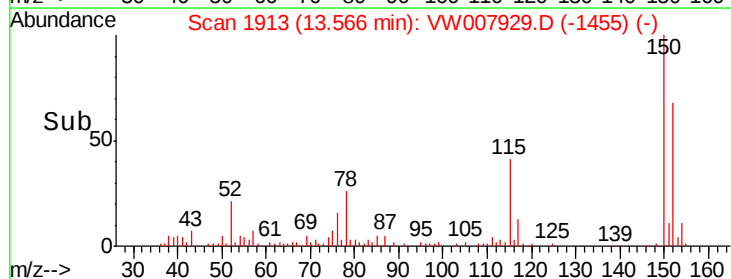
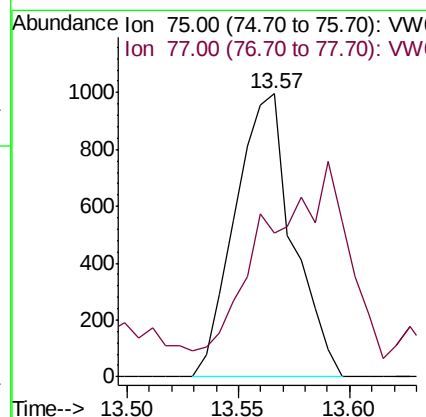
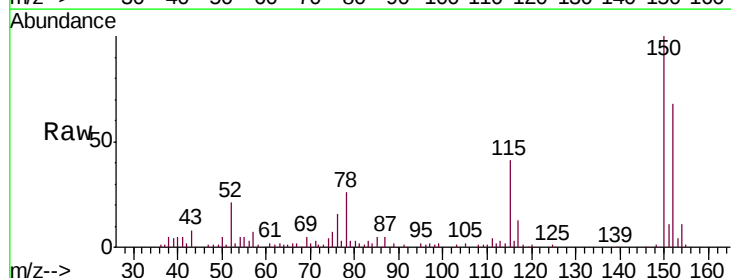
RT: 13.57 min Scan# 1913

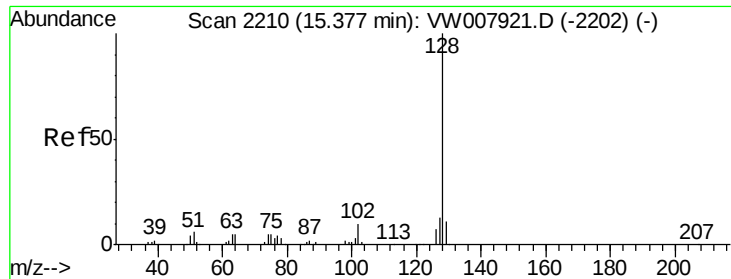
Delta R.T. 0.79 min

Lab File: VW007929.D

Acq: 26 Dec 2018 17:58

Tgt Ion:	75	Resp:	1802
Ion	Ratio	Lower	Upper
75	100		
77	28.9	25.5	38.3





#69

Naphthalene

Concen: 3.990 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007929.D

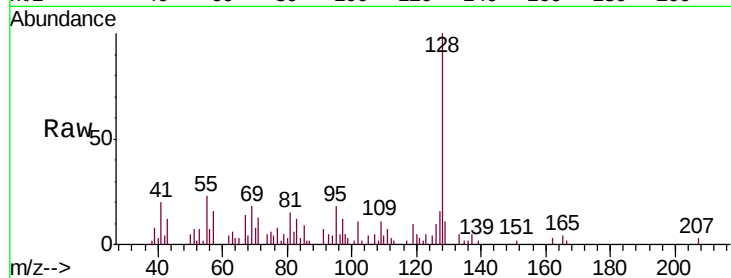
Acq: 26 Dec 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

BE7Z6RE



Tgt Ion:128 Resp: 5918

Ion Ratio Lower Upper

128 100

129 11.9 8.8 13.2

127 15.7 11.1 16.7

