

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112919\
 Data File : VW014185.D
 Acq On : 29 Nov 2019 16:52
 Operator : SY/VA
 Sample : K6089-15
 Misc : 2.92G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 30 04:14:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 30 04:10:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	97400	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	28870	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	2969	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	48809	31.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	125.64%
7) Chloroethane-d5	2.89	69	54702	43.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	173.68%#
10) 1,1-Dichloroethene-d2	4.02	63	66749	20.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.72%
20) 2-Butanone-d5	7.07	46	47992	106.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	212.60%#
24) Chloroform-d	7.65	84	140221	46.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	187.28%#
26) 1,2-Dichloroethane-d4	8.31	65	56880	37.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	151.12%#
29) Benzene-d6	8.27	84	223897	109.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	437.20%#
33) 1,2-Dichloropropane-d6	9.27	67	78630	131.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	524.16%#
37) Toluene-d8	10.32	98	79037	40.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	162.76%#
38) trans-1,3-Dichloropropene-	10.57	79	6181	24.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.20%
39) 2-Hexanone-d5	10.93	63	12963	113.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	227.84%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	35371	78.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	312.24%#
61) 1,2-Dichlorobenzene-d4	13.85	152	4072	34.14	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	136.56%#

Target Compounds

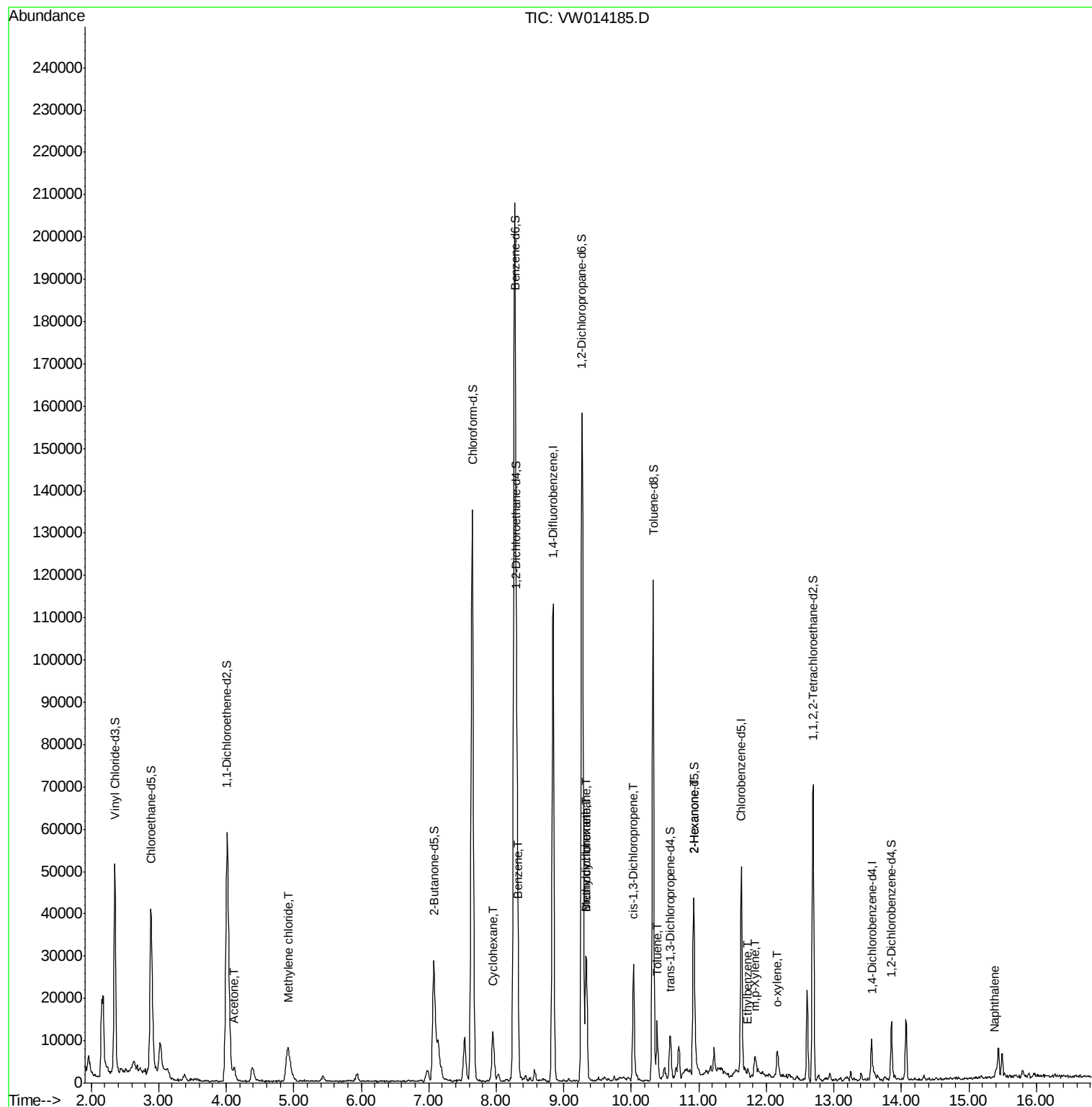
					Ovalue
13) Acetone	4.11	43	1802	3.923 ug/L	93
16) Methylene chloride	4.92	84	3915	2.088 ug/L	88
30) Cyclohexane	7.95	56	5606	6.068 ug/L	98
34) Benzene	8.33	78	3468	1.638 ug/L	100
36) Methylcyclohexane	9.34	83	10704	10.568 ug/L	94
41) Bromodichloromethane	9.34	83	7560	12.267 ug/L #	25
42) cis-1,3-Dichloropropene	10.03	75	715	0.889 ug/L #	59
44) Toluene	10.39	91	9723	4.211 ug/L	90
49) 2-Hexanone	10.93	43	2768	11.407 ug/L #	55
53) Ethylbenzene	11.73	91	821	0.324 ug/L	84
54) m,p-Xylene	11.83	106	1668	1.694 ug/L	94
55) o-xylene	12.16	106	1719	1.864 ug/L	93
69) Naphthalene	15.38	128	211	0.951 ug/L #	69

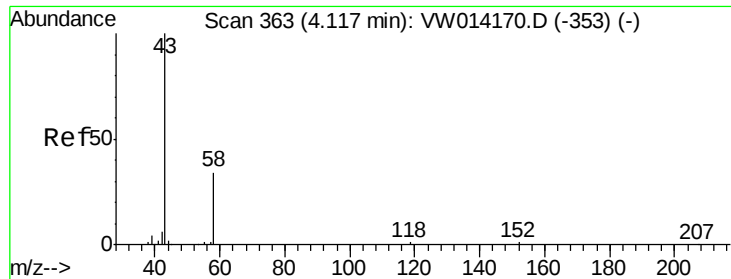
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#13

Acetone

Concen: 3.923 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW014185.D

Acq: 29 Nov 2019 16:52

Instrument :

MSVOA_W

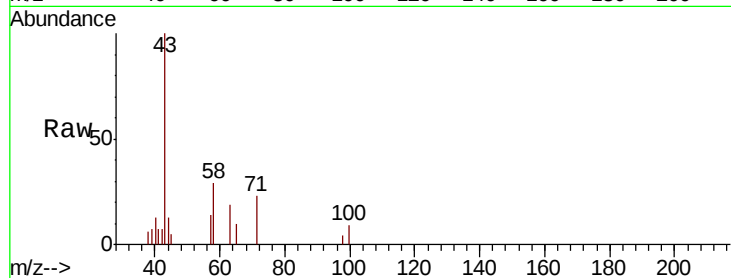
ClientSampleId :

Tot Ion: 43 Resp: 1802

Ion Ratio Lower Upper

43 100

58 36.8 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.11

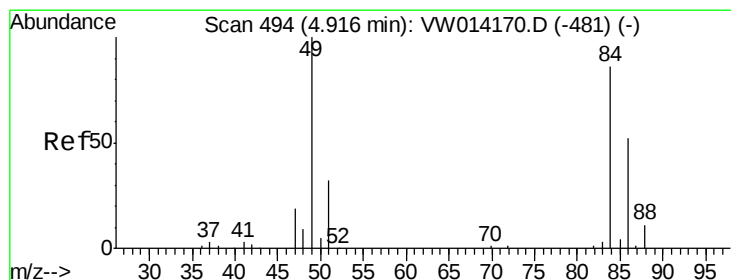
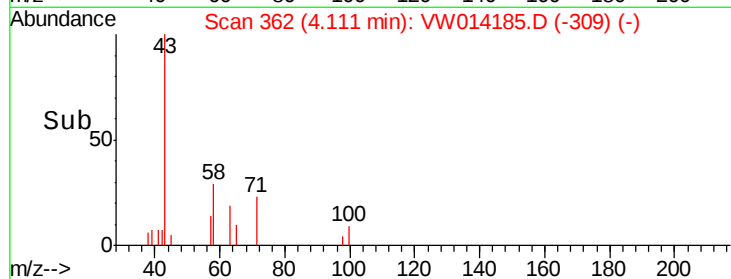
1500

1000

500

0

Time-->



#16

Methylene chloride

Concen: 2.088 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW014185.D

Acq: 29 Nov 2019 16:52

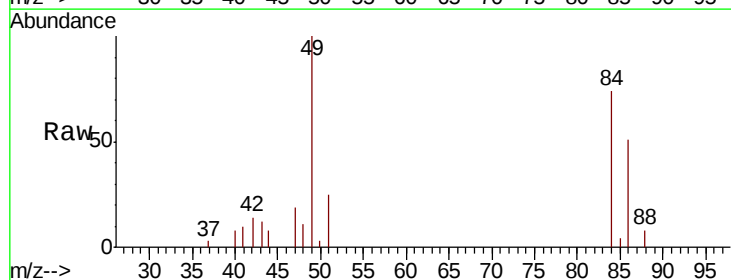
Tgt Ion: 84 Resp: 3915

Ion Ratio Lower Upper

84 100

49 135.8 84.2 156.4

86 69.2 43.7 81.1



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

3000

2500

2000

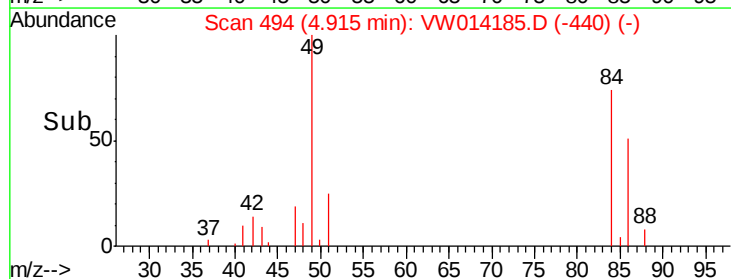
1500

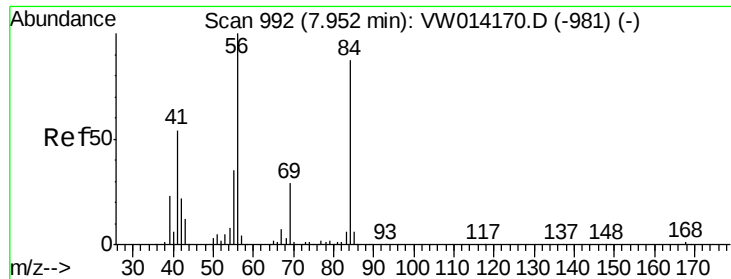
1000

500

0

Time-->

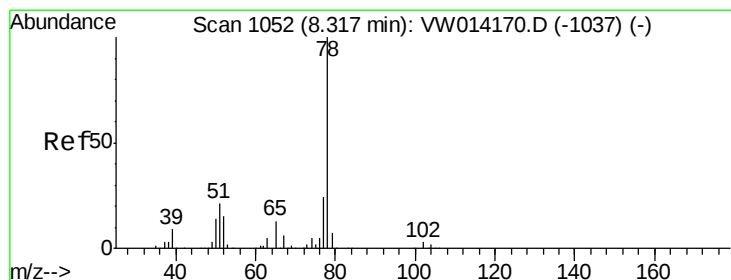
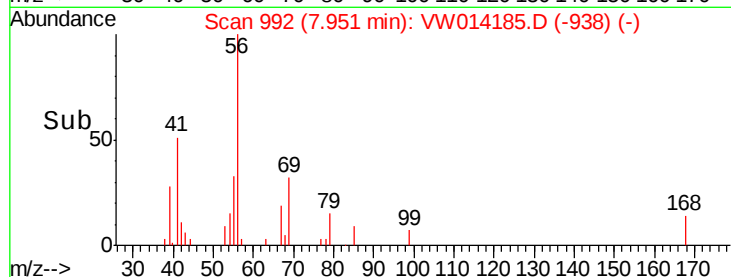
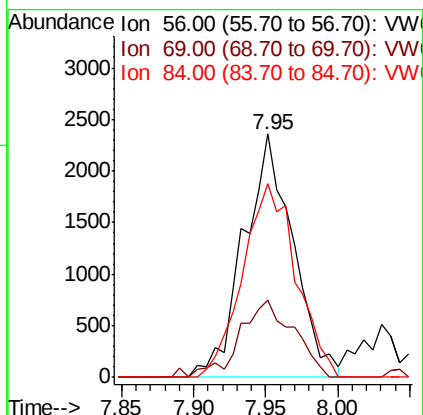
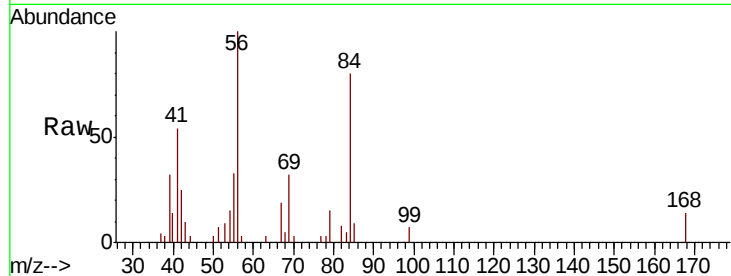




#30
Cyclohexane
Concen: 6.068 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014185.D
Acq: 29 Nov 2019 16:52

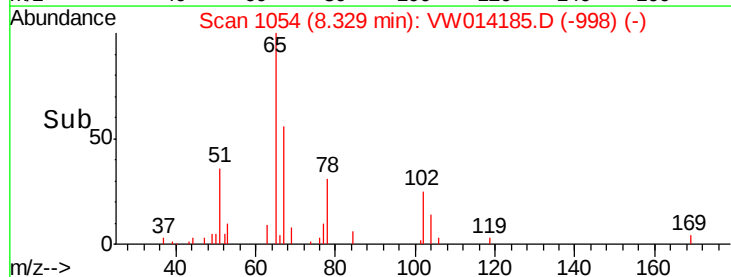
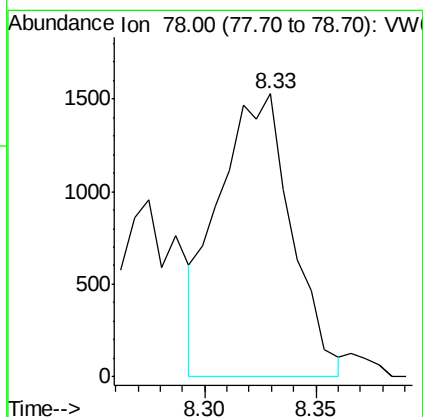
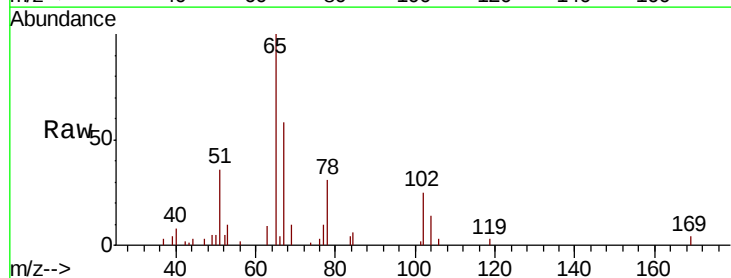
Instrument :
MSVOA_W
ClientSampleId :

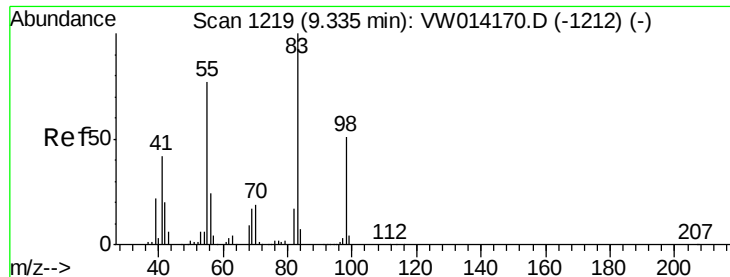
Tot Ion: 56 Resp: 5606
Ion Ratio Lower Upper
56 100
69 32.0 24.6 37.0
84 86.0 70.2 105.2



#34
Benzene
Concen: 1.638 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW014185.D
Acq: 29 Nov 2019 16:52

Tgt Ion: 78 Resp: 3468

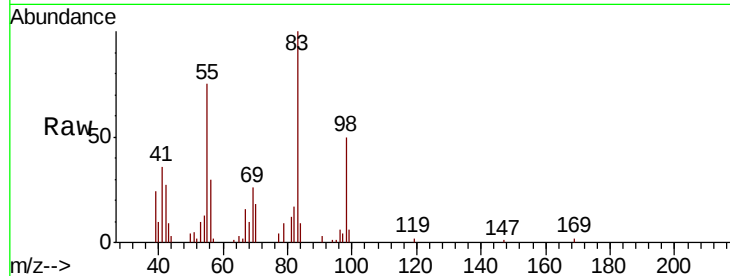




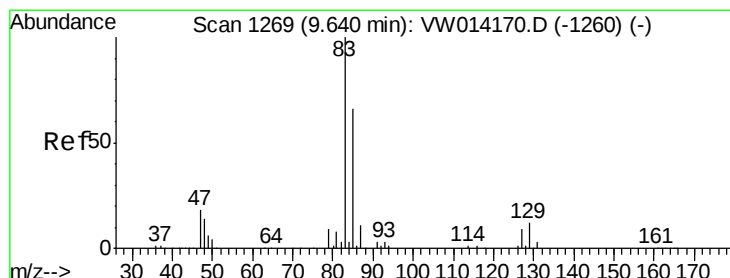
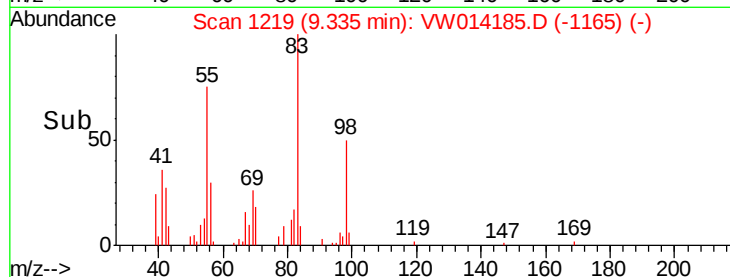
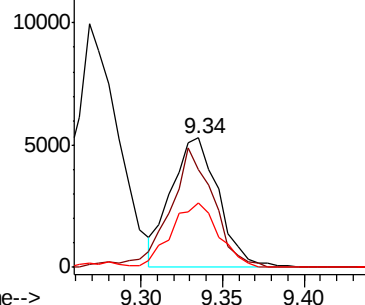
#36
Methvlcvclohexane
Concen: 10.568 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW014185.D
Acq: 29 Nov 2019 16:52

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 10704
Ion Ratio Lower Upper
83 100
55 83.4 59.8 89.8
98 49.6 39.5 59.3

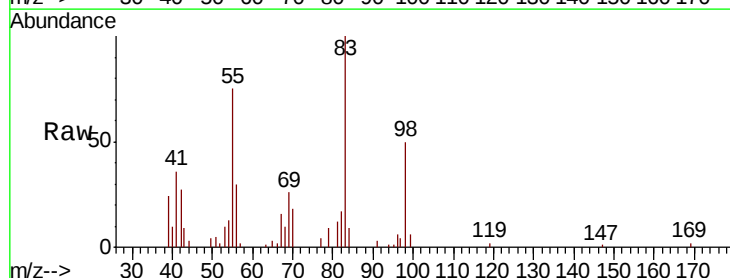


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

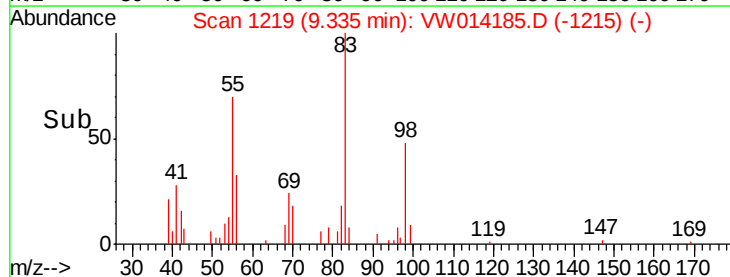
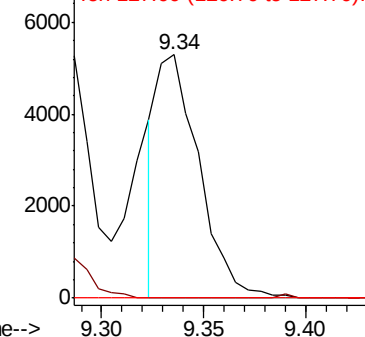


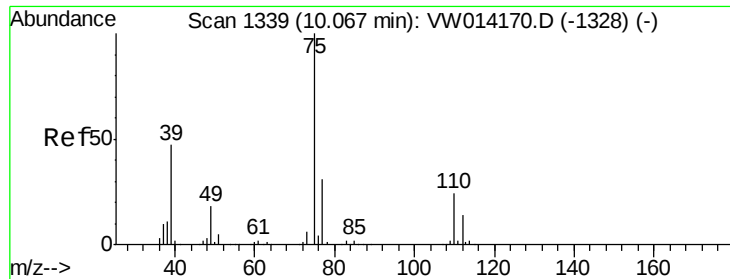
#41
Bromodichloromethane
Concen: 12.267 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.30 min
Lab File: VW014185.D
Acq: 29 Nov 2019 16:52

Tgt Ion: 83 Resp: 7560
Ion Ratio Lower Upper
83 100
85 0.0 45.1 83.7#
127 0.0 7.4 11.0#



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 0.889 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW014185.D

Acq: 29 Nov 2019 16:52

Instrument :

MSVOA_W

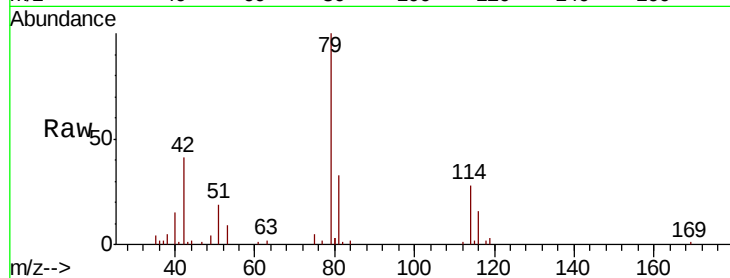
ClientSampled :

Tot Ion: 75 Resp: 715

Ion Ratio Lower Upper

75 100

77 54.2 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.03

400

300

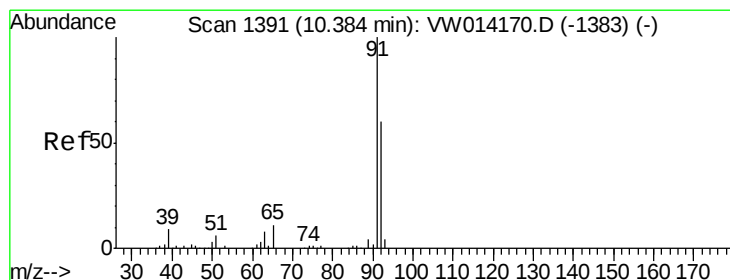
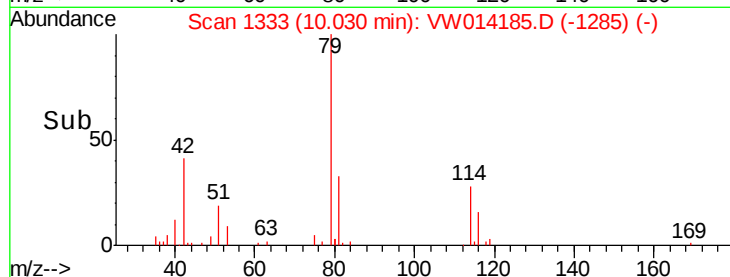
200

100

0

10.00 10.05

Time-->



#44

Toluene

Concen: 4.211 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW014185.D

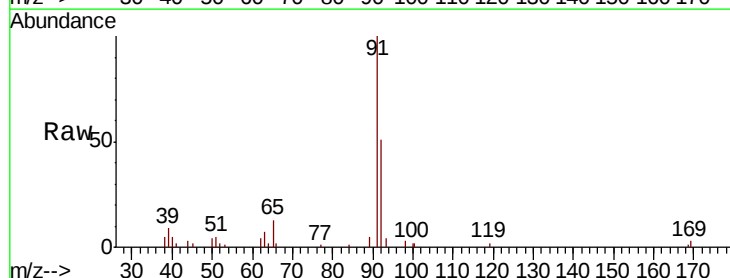
Acq: 29 Nov 2019 16:52

Tgt Ion: 91 Resp: 9723

Ion Ratio Lower Upper

91 100

92 51.1 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

6000

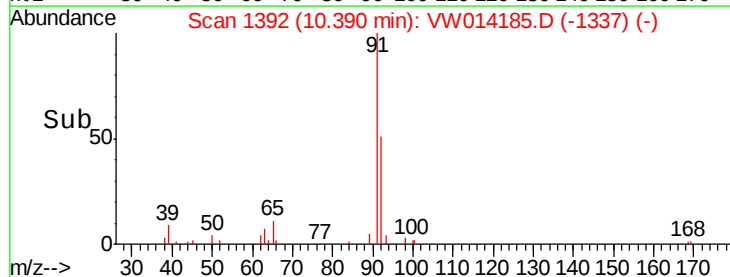
4000

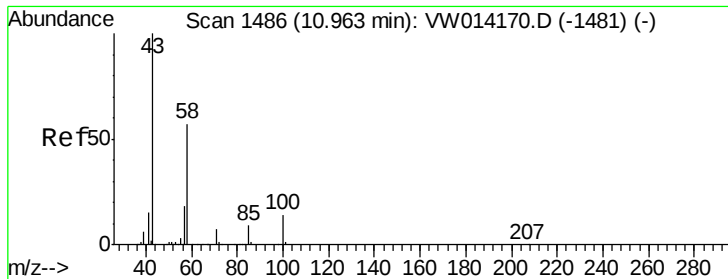
2000

0

10.35 10.40 10.45

Time-->





#49

2-Hexanone

Concen: 11.407 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW014185.D

Acq: 29 Nov 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 2768

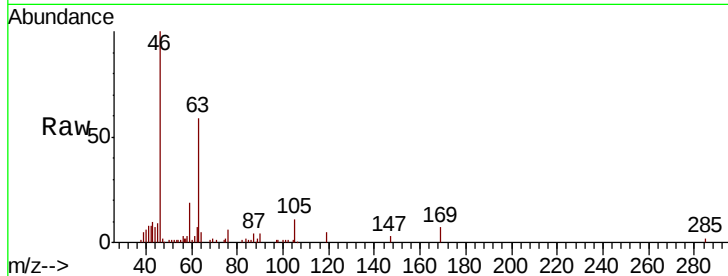
Ion Ratio Lower Upper

43 100

58 15.3 44.4 66.6#

57 34.2 16.5 24.7#

100 3.3 11.1 16.7#

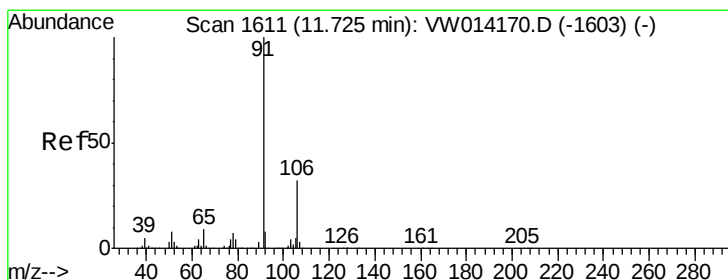
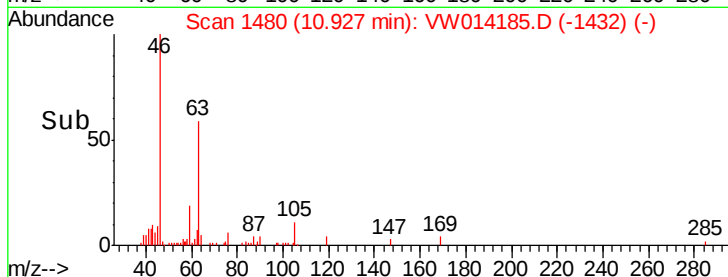
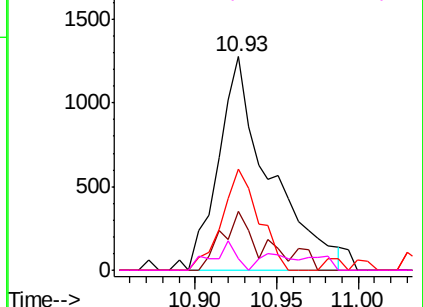


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#53

Ethylbenzene

Concen: 0.324 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VW014185.D

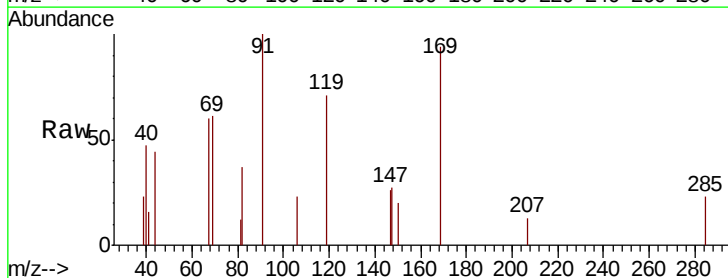
Acq: 29 Nov 2019 16:52

Tgt Ion: 91 Resp: 821

Ion Ratio Lower Upper

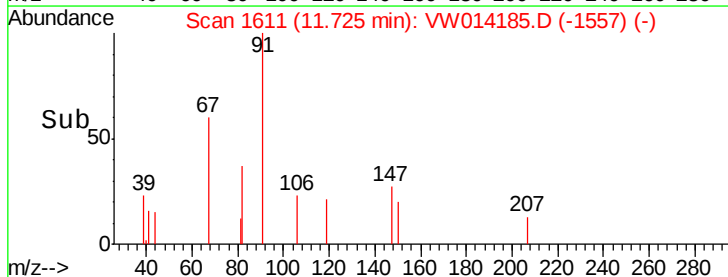
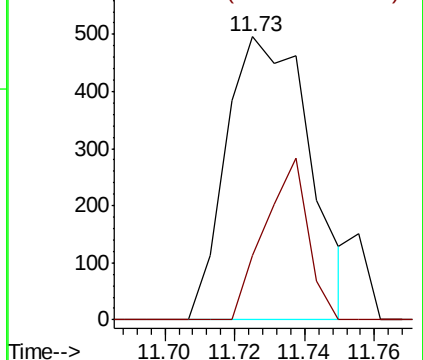
91 100

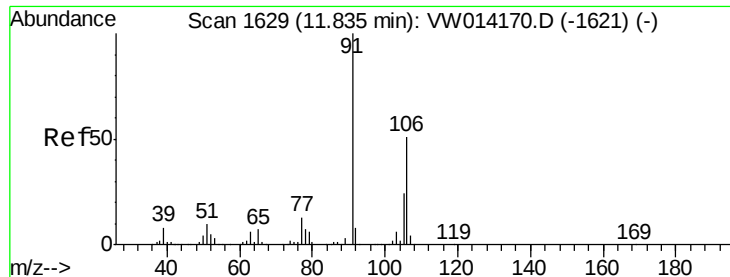
106 22.8 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): VW





#54

m,p-Xylene

Concen: 1.694 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014185.D

Acq: 29 Nov 2019 16:52

Instrument :

MSVOA_W

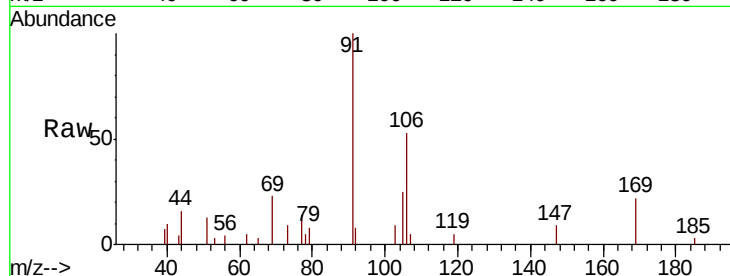
ClientSampleId :

Tot Ion:106 Resp: 1668

Ion Ratio Lower Upper

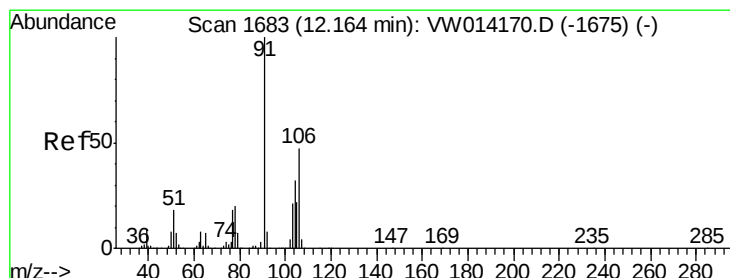
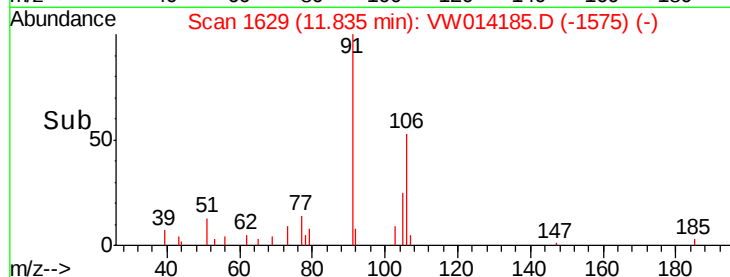
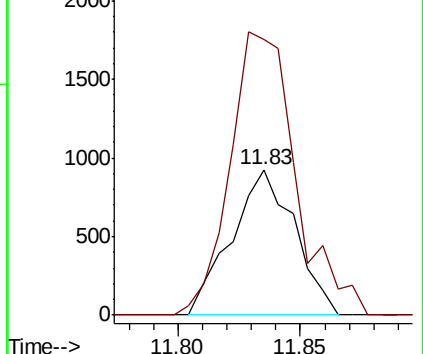
106 100

91 188.8 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 1.864 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014185.D

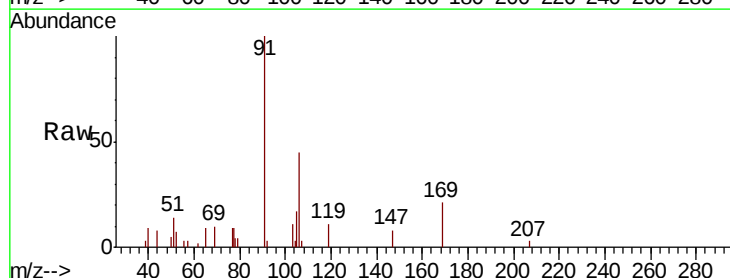
Acq: 29 Nov 2019 16:52

Tgt Ion:106 Resp: 1719

Ion Ratio Lower Upper

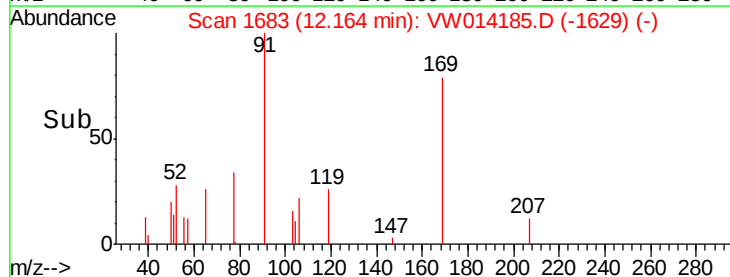
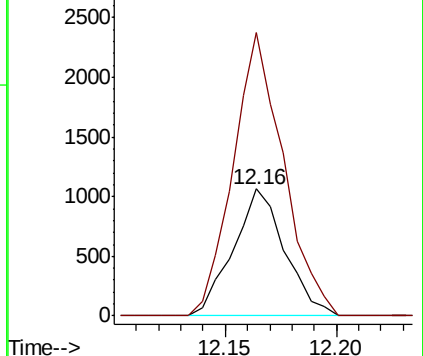
106 100

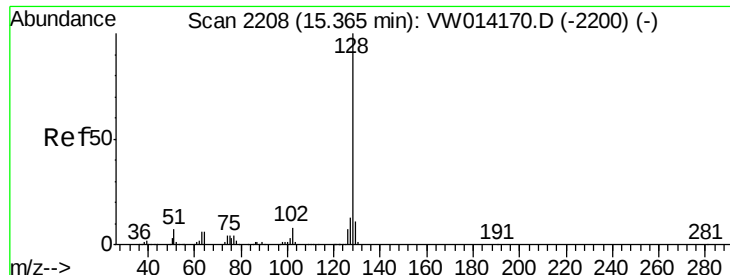
91 223.0 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#69

Naphthalene

Concen: 0.951 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

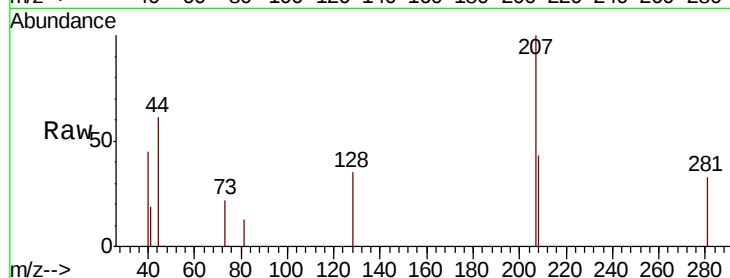
Lab File: VW014185.D

Acq: 29 Nov 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :



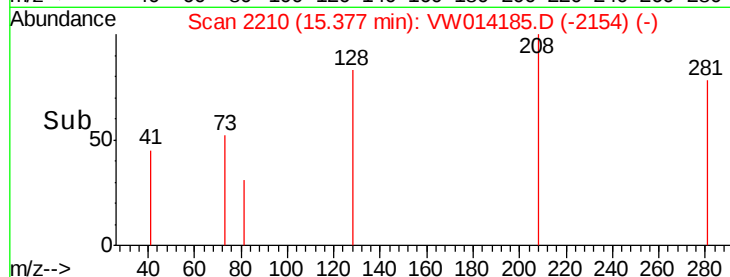
Tot Ion:128 Resp: 211

Ion Ratio Lower Upper

128 100

129 0.0 8.8 13.2#

127 0.0 10.4 15.6#



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

