

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112919\
 Data File : VW014184.D
 Acq On : 29 Nov 2019 16:26
 Operator : SY/VA
 Sample : K6089-14
 Misc : 3.19G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 30 04:14:10 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	56510	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	21430	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	2983	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	33287	36.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	147.68%
7) Chloroethane-d5	2.89	69	38960	53.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	213.20%#
10) 1,1-Dichloroethene-d2	4.01	63	42652	23.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.20%
20) 2-Butanone-d5	7.07	46	65451	249.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	499.76%#
24) Chloroform-d	7.65	84	102945	59.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	237.00%#
26) 1,2-Dichloroethane-d4	8.31	65	47806	54.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	218.92%#
29) Benzene-d6	8.27	84	155285	102.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	408.52%#
33) 1,2-Dichloropropane-d6	9.27	67	59208	132.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	531.72%#
37) Toluene-d8	10.32	98	56064	38.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	155.52%#
38) trans-1,3-Dichloropropene-	10.58	79	4887	25.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.48%
39) 2-Hexanone-d5	10.92	63	17618	208.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	417.18%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	35497	105.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	422.16%#
61) 1,2-Dichlorobenzene-d4	13.86	152	3906	32.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	130.36%#

Target Compounds

					Ovalue
13) Acetone	4.12	43	1277	4.791 ug/L	92
16) Methylene chloride	4.92	84	3601	3.310 ug/L	89
21) 2-Butanone	7.15	43	8105	23.669 ug/L #	48
30) Cyclohexane	7.95	56	734	1.070 ug/L	99
35) Trichloroethene	8.84	95	1295	3.088 ug/L #	2
36) Methylcyclohexane	9.33	83	2342	3.115 ug/L	92
40) 1,2-Dichloropropane	9.27	63	5930	15.671 ug/L #	85
41) Bromodichloromethane	9.33	83	1777	3.885 ug/L #	25
42) cis-1,3-Dichloropropene	10.03	75	397	0.665 ug/L #	47
44) Toluene	10.39	91	946	0.552 ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	280	1.007 ug/L #	15
47) Tetrachloroethene	10.87	164	233	0.623 ug/L #	43
49) 2-Hexanone	10.93	43	2758	15.312 ug/L #	68
54) m,p-Xylene	11.84	106	259	0.354 ug/L	96
59) 1,2,3-Trichloropropane	13.57	75	246	1.008 ug/L	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112919\
Data File : VW014184.D
Acq On : 29 Nov 2019 16:26
Operator : SY/VA
Sample : K6089-14
Misc : 3.19G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Nov 30 04:14:10 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

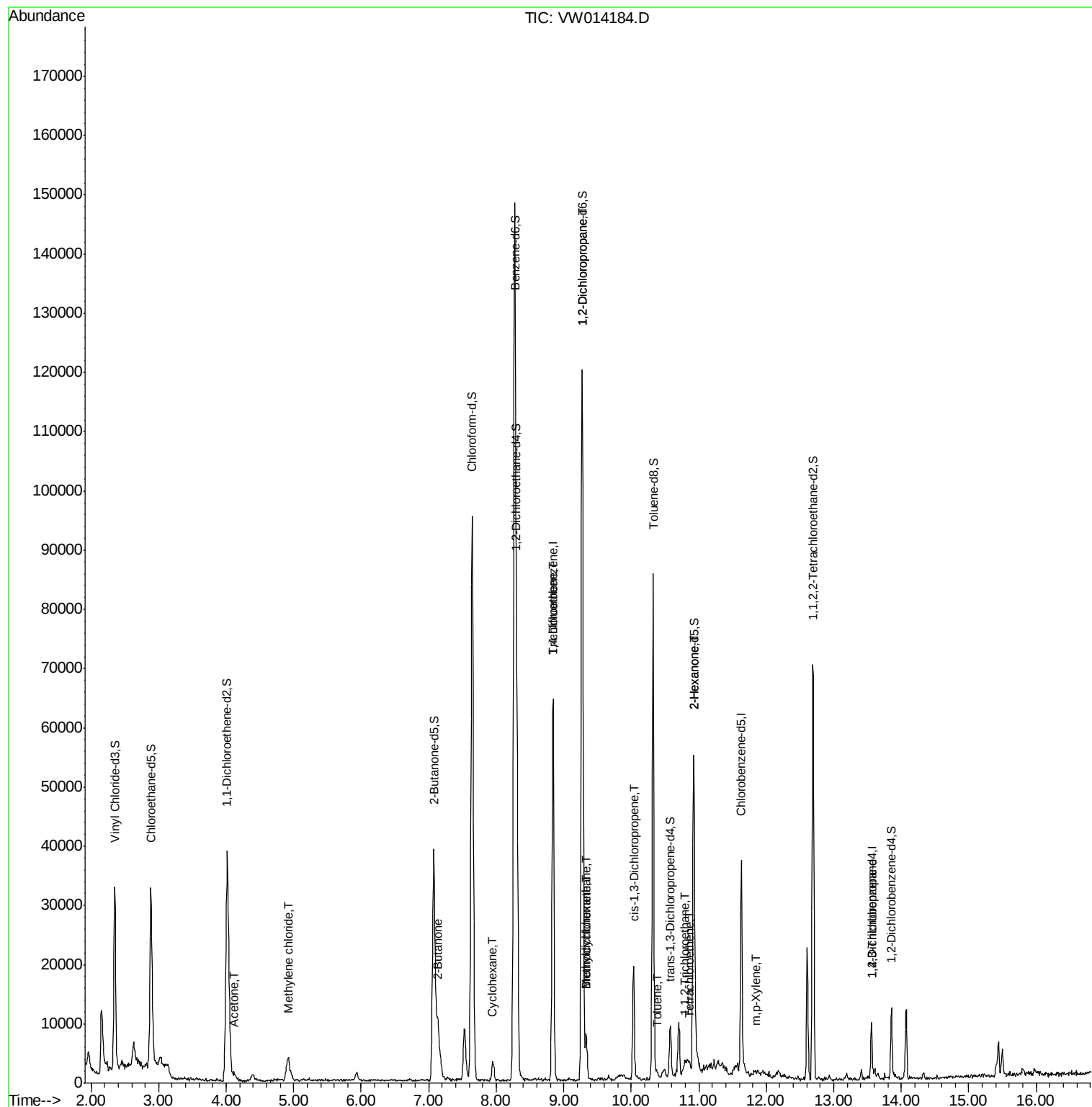
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

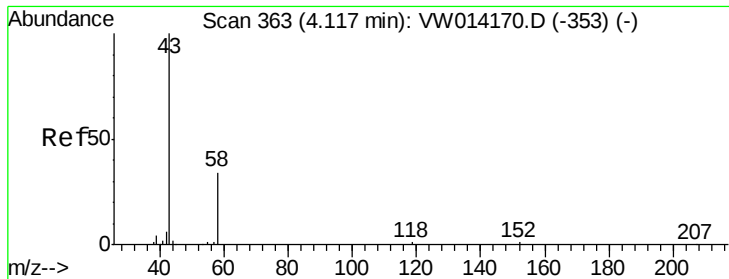
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112919\
Data File : VW014184.D
Acq On : 29 Nov 2019 16:26
Operator : SY/VA
Sample : K6089-14
Misc : 3.19G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Nov 30 04:14:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Sat Nov 30 04:10:38 2019
Response via : Initial Calibration





#13

Acetone

Concen: 4.791 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014184.D

Acq: 29 Nov 2019 16:26

Instrument :

MSVOA_W

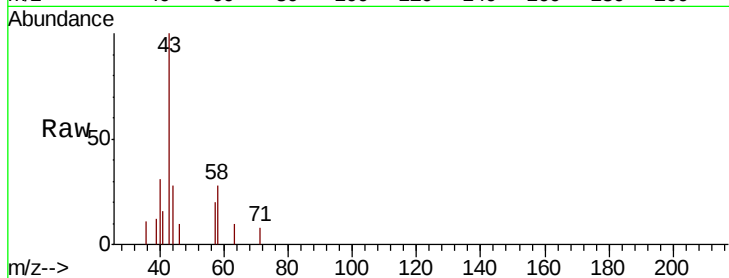
ClientSampleId :

Tot Ion: 43 Resp: 1277

Ion Ratio Lower Upper

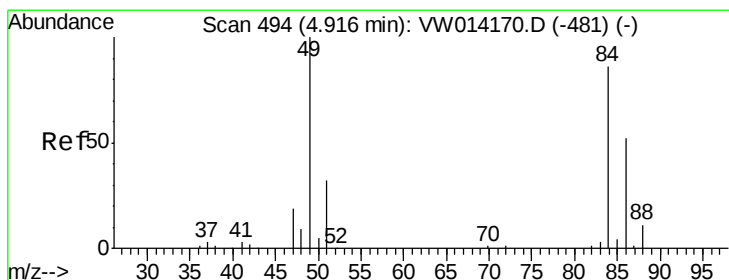
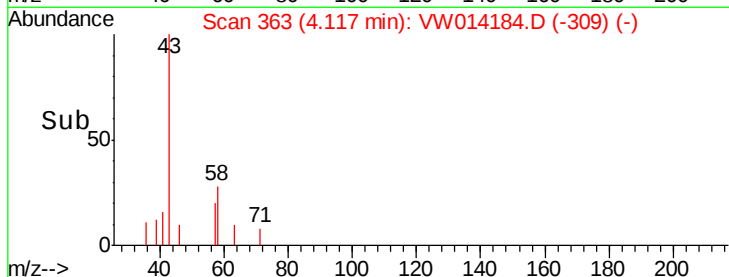
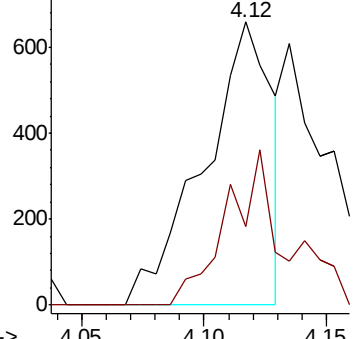
43 100

58 37.0 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 3.310 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW014184.D

Acq: 29 Nov 2019 16:26

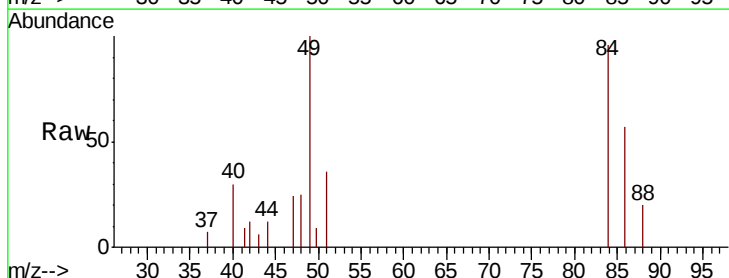
Tgt Ion: 84 Resp: 3601

Ion Ratio Lower Upper

84 100

49 104.3 84.2 156.4

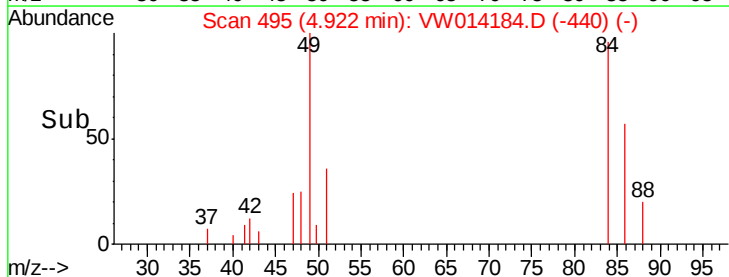
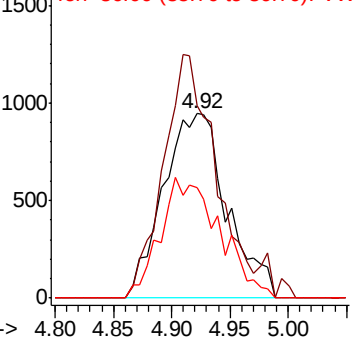
86 59.9 43.7 81.1

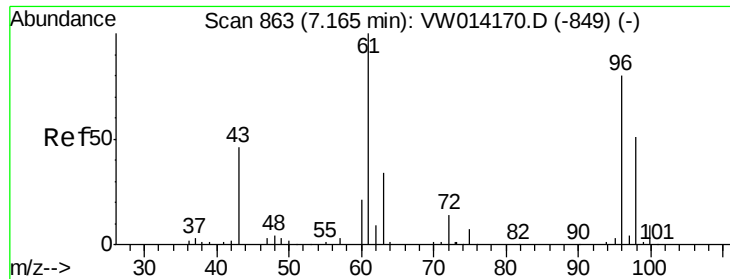


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#21

2-Butanone

Concen: 23.669 ug/L

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW014184.D

Acq: 29 Nov 2019 16:26

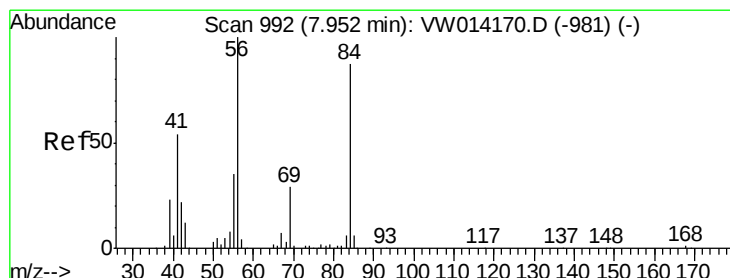
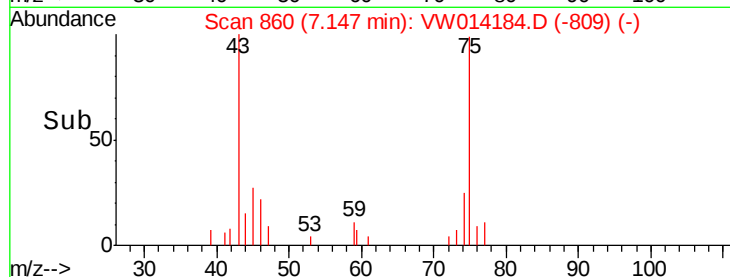
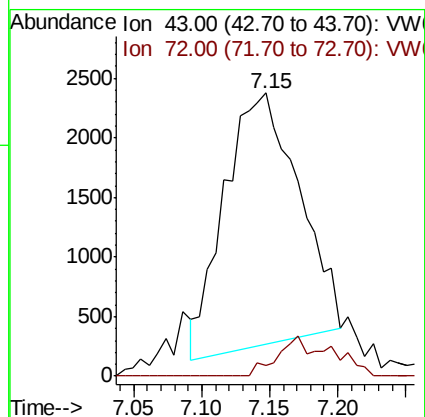
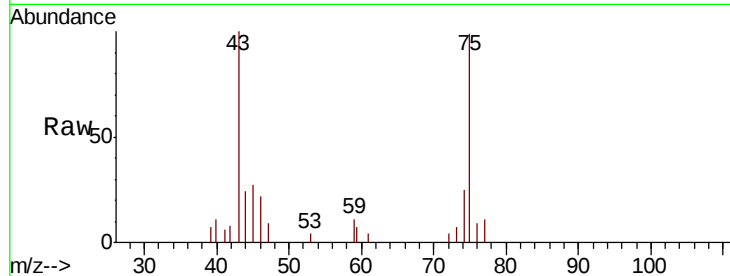
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 8105

Ion Ratio Lower Upper

43 100

72 0.9 14.1 42.2#



#30

Cyclohexane

Concen: 1.070 ug/L

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW014184.D

Acq: 29 Nov 2019 16:26

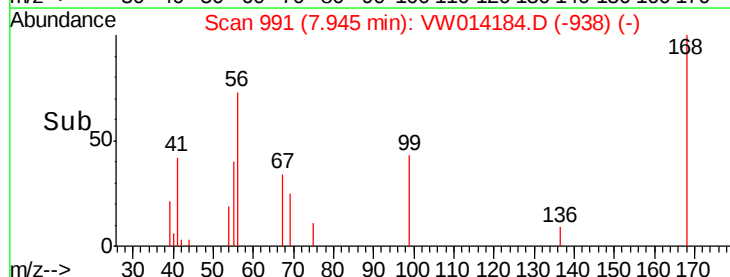
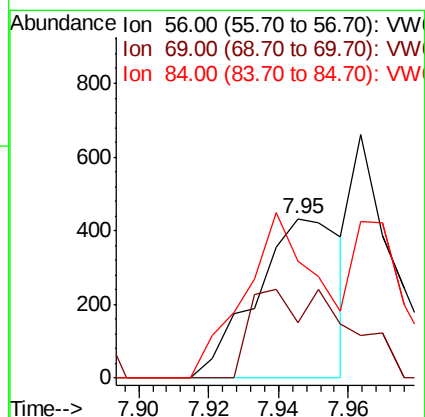
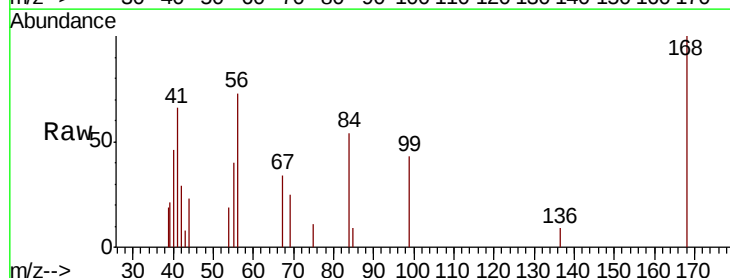
Tgt Ion: 56 Resp: 734

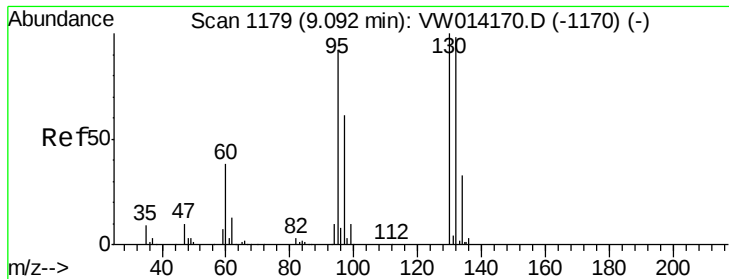
Ion Ratio Lower Upper

56 100

69 30.8 24.6 37.0

84 89.2 70.2 105.2

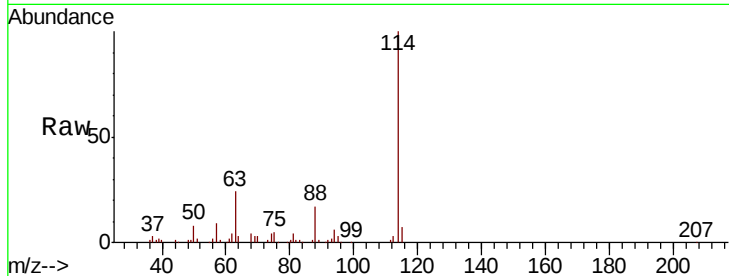




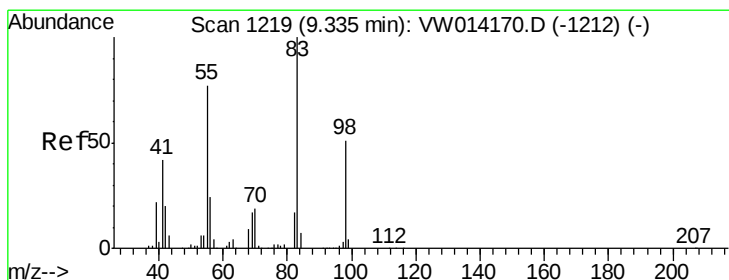
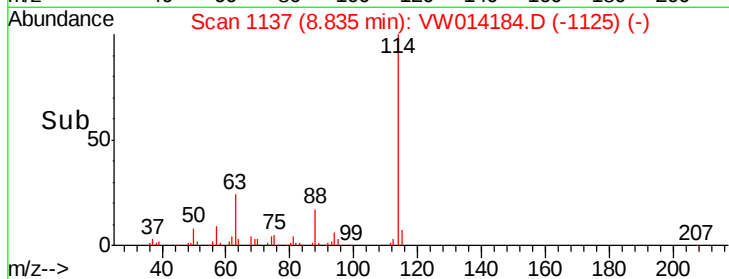
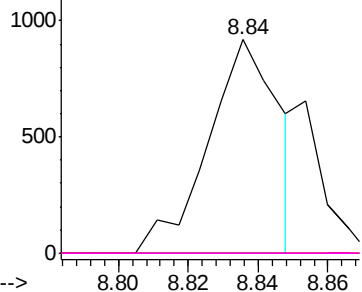
#35
 Trichloroethene
 Concen: 3.088 ug/L
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.26 min
 Lab File: VW014184.D
 Acq: 29 Nov 2019 16:26

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	95	Resp:	1295
Ion	Ratio	Lower	Upper
95	100		
97	0.0	45.1	83.9#
132	0.0	73.7	136.9#
130	0.0	76.6	142.2#

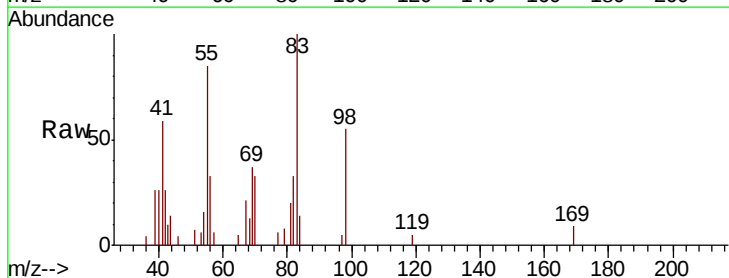


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

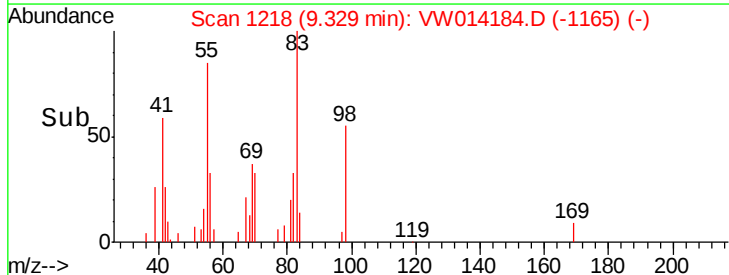
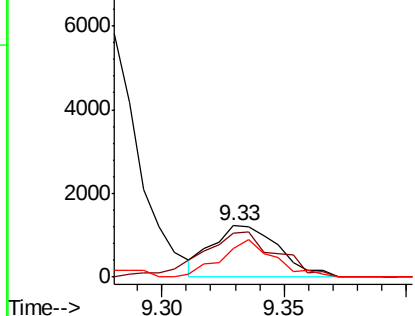


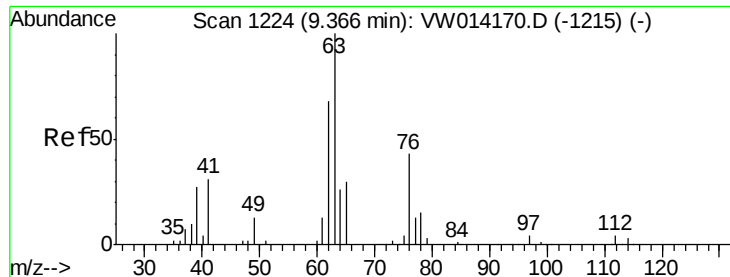
#36
 Methylcyclohexane
 Concen: 3.115 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW014184.D
 Acq: 29 Nov 2019 16:26

Tgt Ion:	83	Resp:	2342
Ion	Ratio	Lower	Upper
83	100		
55	70.1	59.8	89.8
98	57.9	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

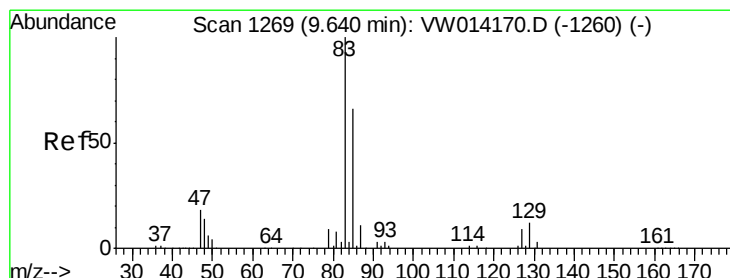
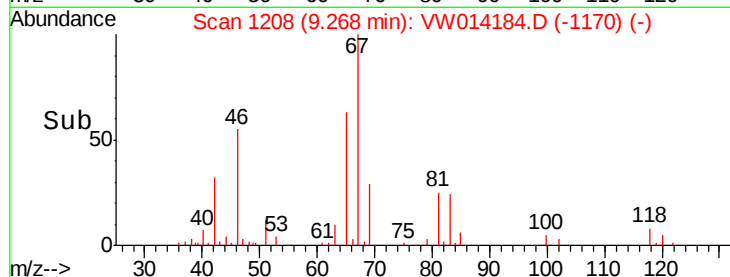
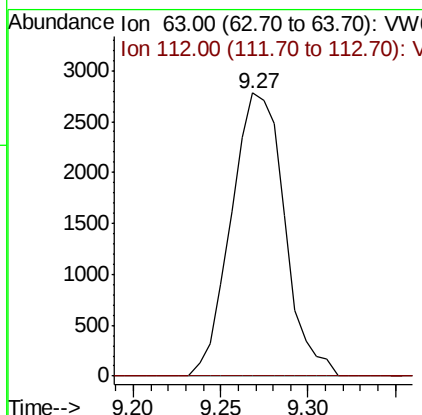
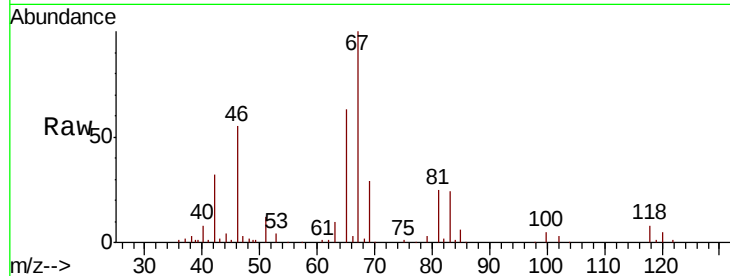




#40
 1,2-Dichloropropane
 Concen: 15.671 ug/L
 RT: 9.27 min Scan# 1208
 Delta R.T. -0.10 min
 Lab File: VW014184.D
 Acq: 29 Nov 2019 16:26

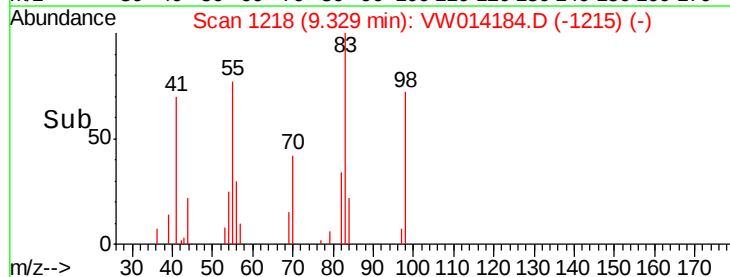
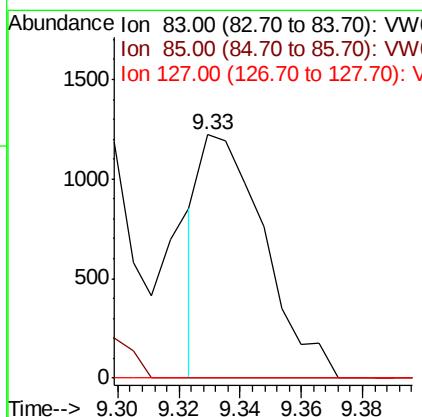
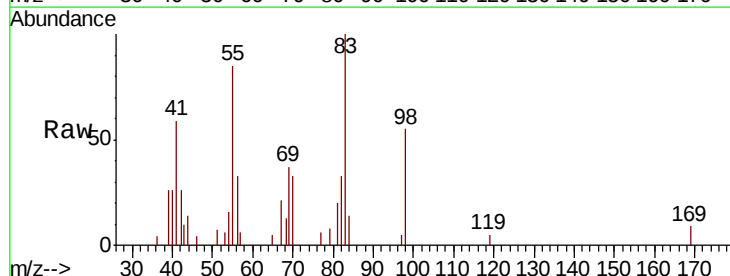
Instrument :
 MSVOA_W
 ClientSampled :

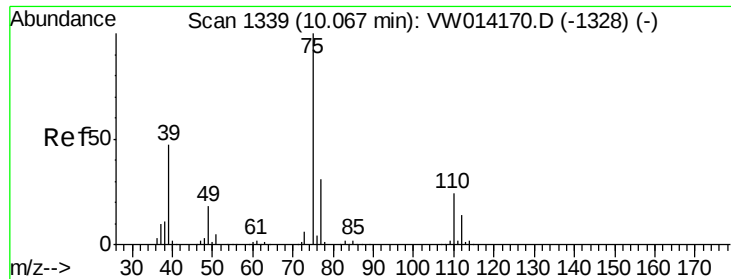
Tot Ion: 63 Resp: 5930
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.9 5.9#



#41
 Bromodichloromethane
 Concen: 3.885 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.31 min
 Lab File: VW014184.D
 Acq: 29 Nov 2019 16:26

Tgt Ion: 83 Resp: 1777
 Ion Ratio Lower Upper
 83 100
 85 0.0 45.1 83.7#
 127 0.0 7.4 11.0#





#42

cis-1,3-Dichloropropene

Concen: 0.665 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW014184.D

Acq: 29 Nov 2019 16:26

Instrument :

MSVOA_W

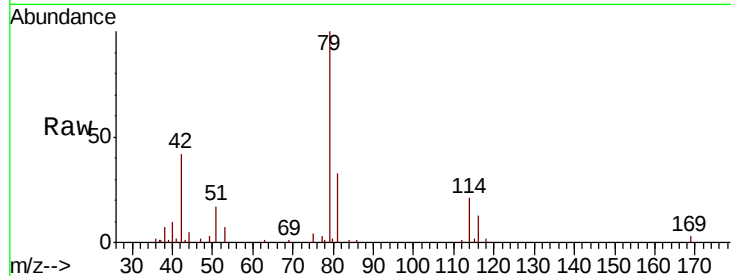
ClientSampled :

Tot Ion: 75 Resp: 397

Ion Ratio Lower Upper

75 100

77 61.2 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

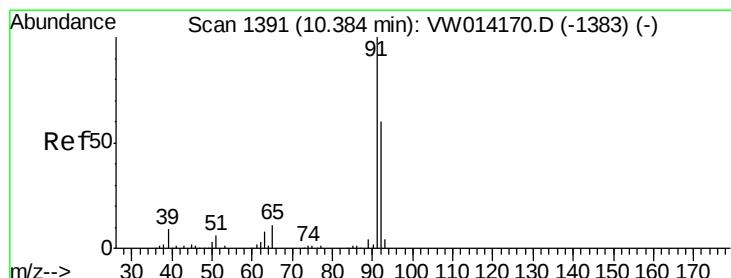
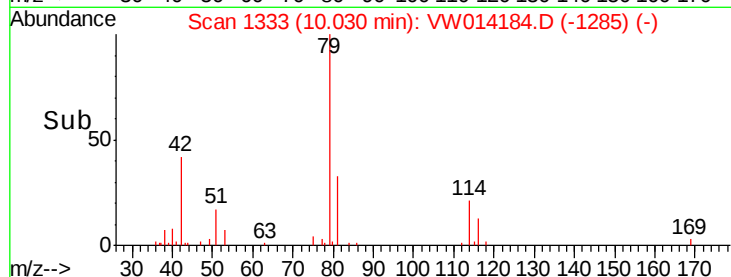
300

200

100

0

Time-->



#44

Toluene

Concen: 0.552 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW014184.D

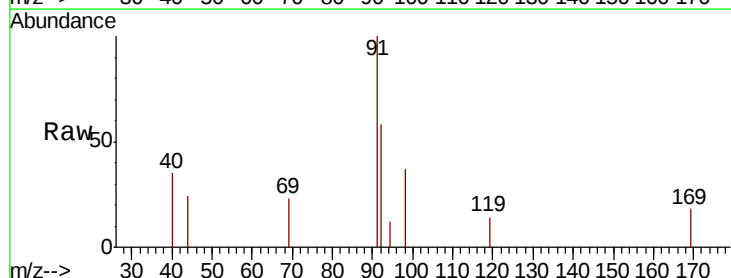
Acq: 29 Nov 2019 16:26

Tgt Ion: 91 Resp: 946

Ion Ratio Lower Upper

91 100

92 57.8 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

600

500

400

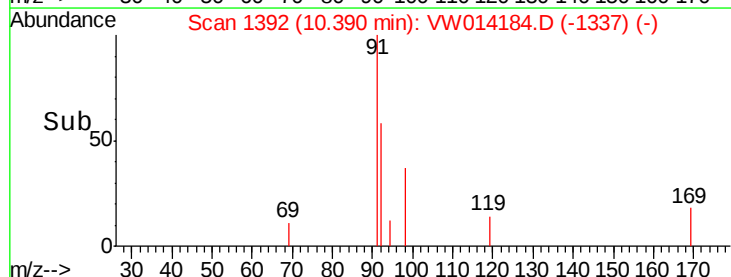
300

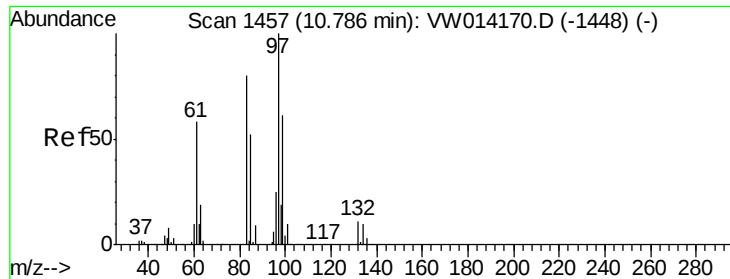
200

100

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 1.007 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW014184.D

Acq: 29 Nov 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 280

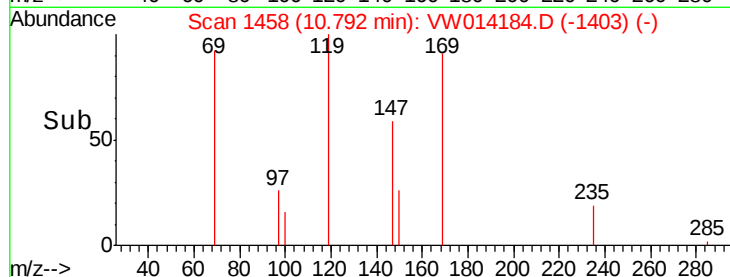
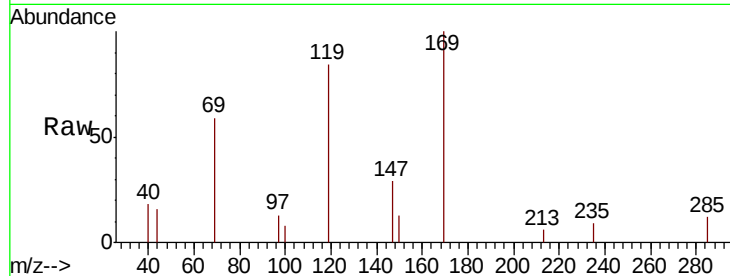
Ion Ratio Lower Upper

97 100

83 0.0 58.9 109.5#

85 0.0 38.1 70.9#

99 0.0 46.5 86.3#

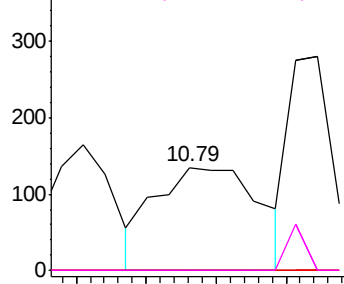


Abundance Ion 97.00 (96.70 to 97.70): VW

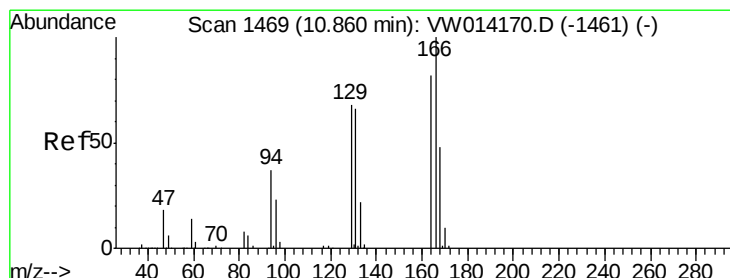
Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



Time-->



#47

Tetrachloroethene

Concen: 0.623 ug/L

RT: 10.87 min Scan# 1471

Delta R.T. 0.01 min

Lab File: VW014184.D

Acq: 29 Nov 2019 16:26

Tgt Ion: 164 Resp: 233

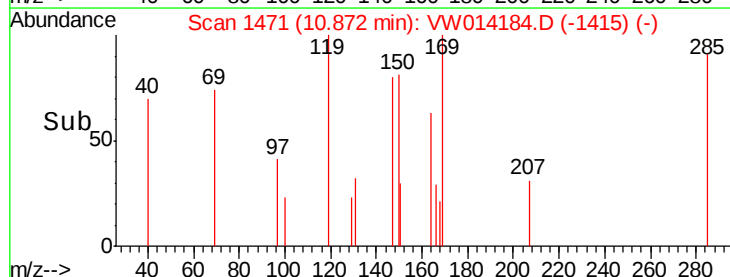
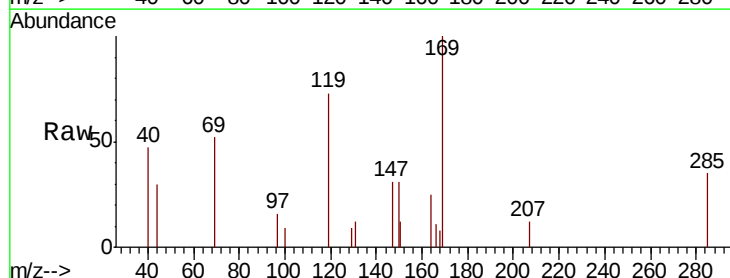
Ion Ratio Lower Upper

164 100

129 36.6 60.6 112.6#

131 50.6 59.1 109.7#

166 46.3 90.8 168.6#

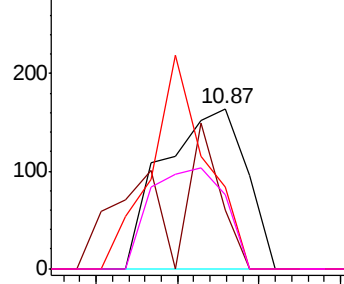


Abundance Ion 164.00 (163.70 to 164.70): V

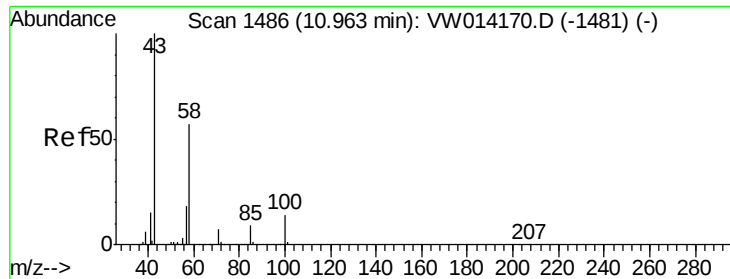
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



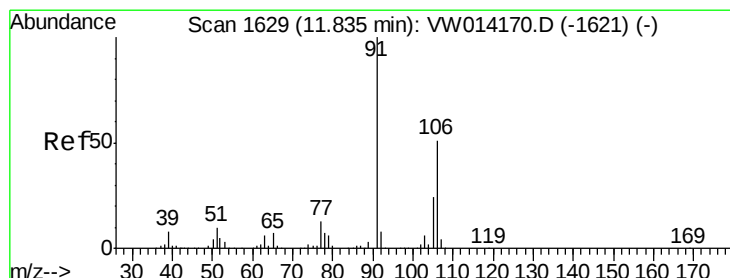
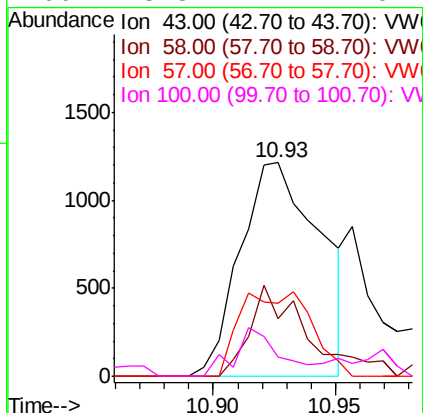
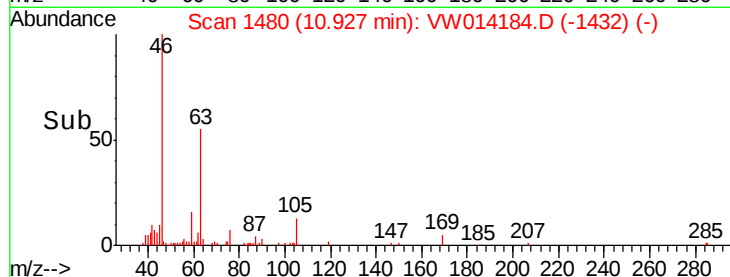
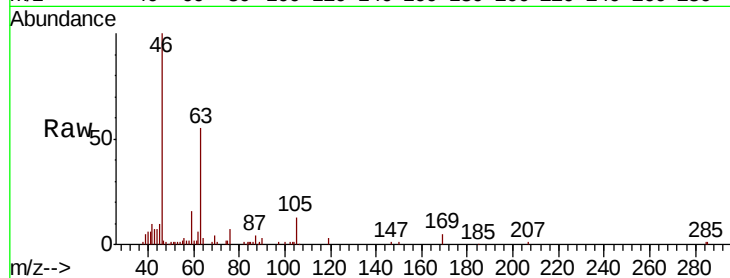
Time-->



#49
2-Hexanone
Concen: 15.312 ug/L
RT: 10.93 min Scan# 1480
Delta R.T. -0.04 min
Lab File: VW014184.D
Acq: 29 Nov 2019 16:26

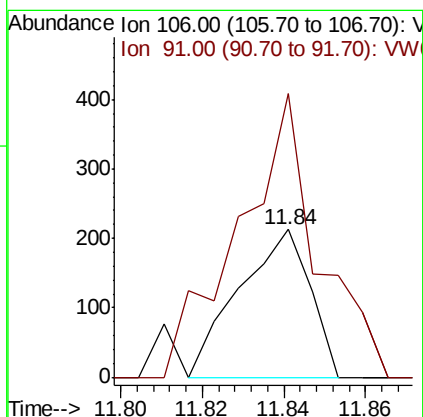
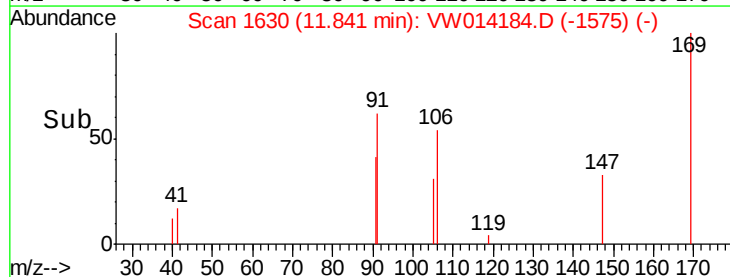
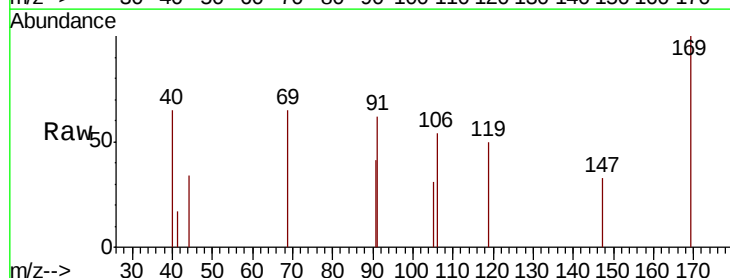
Instrument :
MSVOA_W
ClientSampleId :

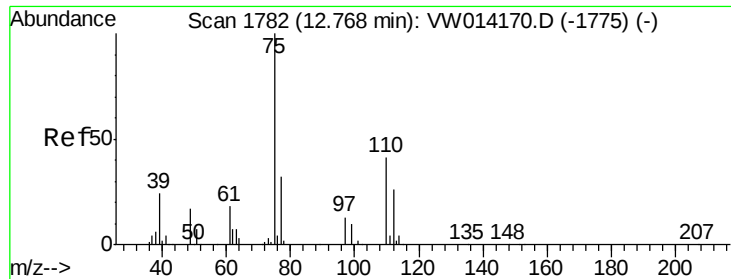
Tot Ion	Ratio	Lower	Upper
43	100		
58	25.6	44.4	66.6#
57	14.5	16.5	24.7#
100	3.3	11.1	16.7#



#54
m,p-Xylene
Concen: 0.354 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW014184.D
Acq: 29 Nov 2019 16:26

Tgt Ion	Ratio	Lower	Upper
106	100		
91	191.5	138.7	257.5





#59

1,2,3-Trichloropropane

Concen: 1.008 ug/L

RT: 13.57 min Scan# 1913

Delta R.T. 0.80 min

Lab File: VW014184.D

Acq: 29 Nov 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 246

Ion Ratio Lower Upper

75 100

77 29.3 25.9 38.9

