

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052720\
 Data File : VW015508.D
 Acq On : 27 May 2020 16:45
 Operator : SY/VA
 Sample : L2753-03RE
 Misc : 5.00G/10.0mL/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAXE4RE

Quant Time: May 28 01:53:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 28 01:49:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	310633	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	229096	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	62363	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	80219	28.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.72%
7) Chloroethane-d5	2.89	69	74927	26.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.88%
10) 1,1-Dichloroethene-d2	4.01	63	117846	16.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.96%
20) 2-Butanone-d5	7.08	46	49706	53.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.96%
24) Chloroform-d	7.65	84	171279	23.84	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.36%
26) 1,2-Dichloroethane-d4	8.31	65	103718	25.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.80%
29) Benzene-d6	8.27	84	329475	29.32	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	117.28%
33) 1,2-Dichloropropane-d6	9.27	67	105095	30.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	123.12%#
37) Toluene-d8	10.32	98	280899	25.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.88%
38) trans-1,3-Dichloropropene-	10.58	79	41362	26.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.76%
39) 2-Hexanone-d5	10.93	63	42059	71.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	142.30%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	76529	29.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	119.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	48175	23.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.20%

Target Compounds

					Ovalue
13) Acetone	4.12	43	43111	60.003 ug/L	99
16) Methylene chloride	4.91	84	6048	1.586 ug/L	95
21) 2-Butanone	7.18	43	9238	8.370 ug/L	92
22) cis-1,2-Dichloroethene	7.17	96	59336	14.329 ug/L	99
34) Benzene	8.32	78	10417	0.813 ug/L	100
35) Trichloroethene	9.09	95	49531	14.393 ug/L	99
36) Methylcyclohexane	9.27	83	25597	4.170 ug/L #	19
42) cis-1,3-Dichloropropene	10.04	75	3294	0.652 ug/L #	78
44) Toluene	10.39	91	18294	1.311 ug/L	96
46) 1,1,2-Trichloroethane	10.86	97	22796	10.328 ug/L #	1
47) Tetrachloroethene	10.86	164	2432339	891.624 ug/L	95
49) 2-Hexanone	10.93	43	5429	4.349 ug/L #	67
50) Dibromochloromethane	10.86	129	2301796	858.327 ug/L #	12
54) m,p-Xylene	11.84	106	6881	1.144 ug/L	99
55) o-xylene	12.16	106	2856	0.500 ug/L	96

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Quant Title : VOC Analysis
QLast Update : Thu May 28 01:49:49 2020
Response via : Initial Calibration

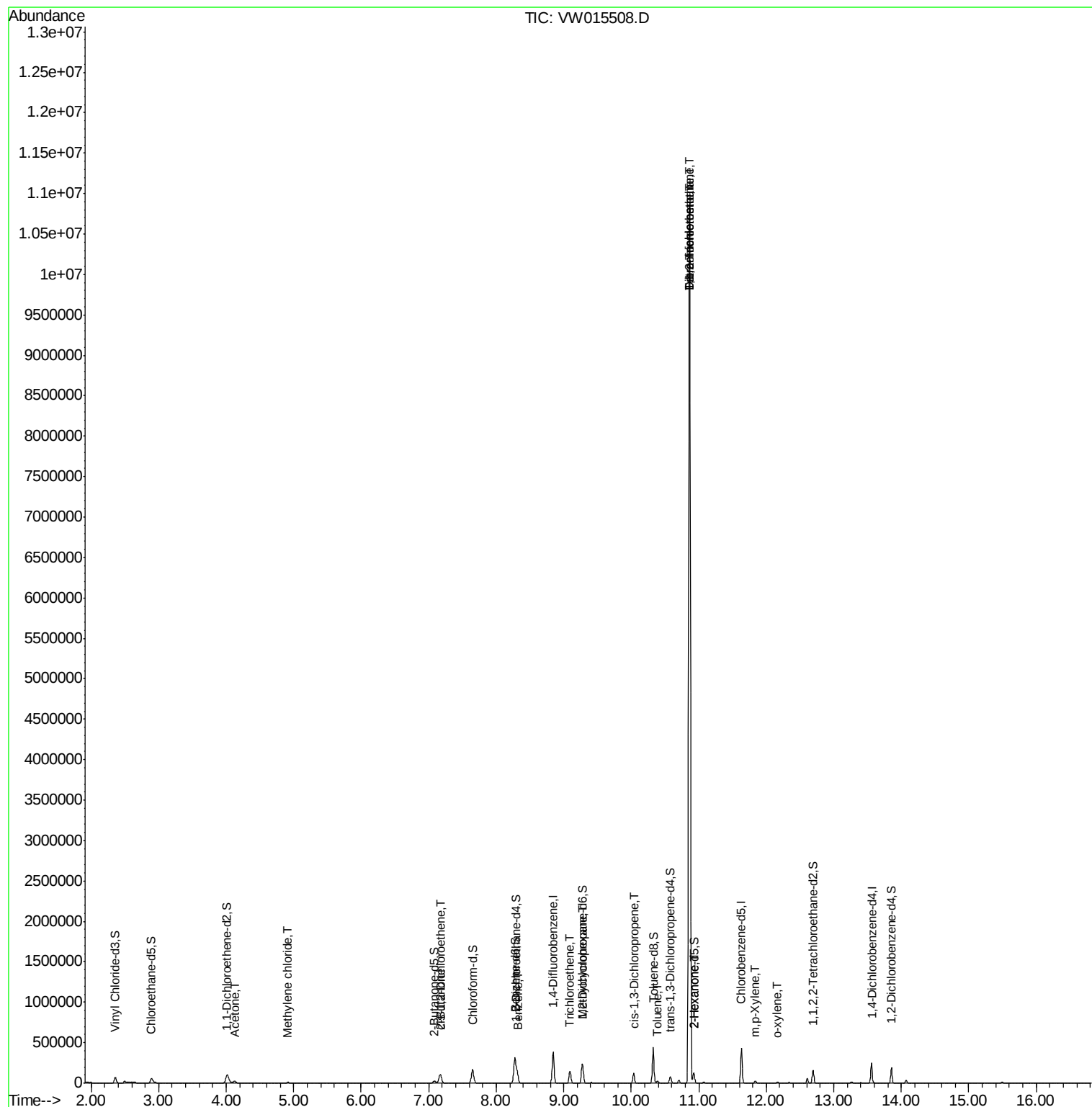
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

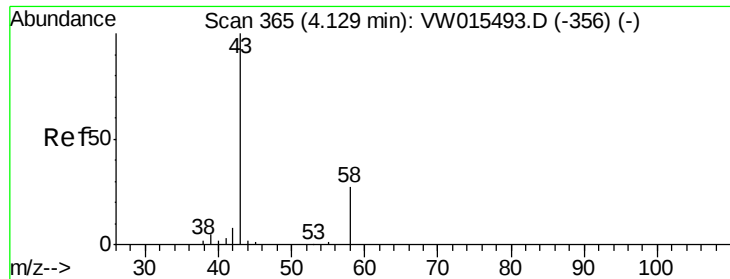
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Quant Title : VOC Analysis
QLast Update : Thu May 28 01:49:49 2020
Response via : Initial Calibration





#13

Acetone

Concen: 60.003 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015508.D

Acq: 27 May 2020 16:45

Instrument :

MSVOA_W

ClientSampleId :

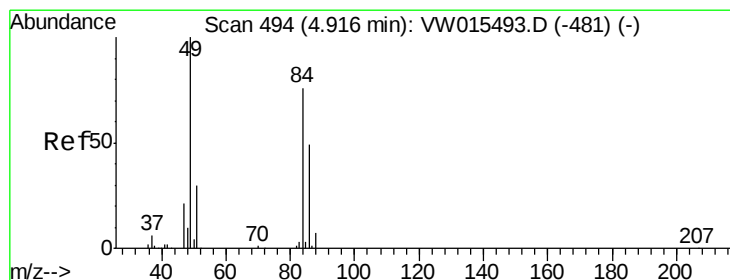
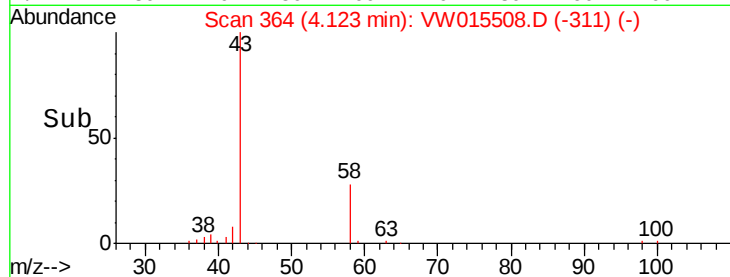
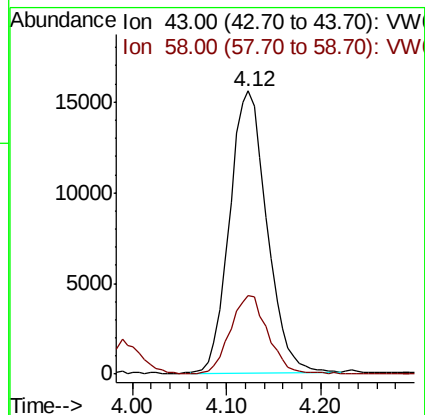
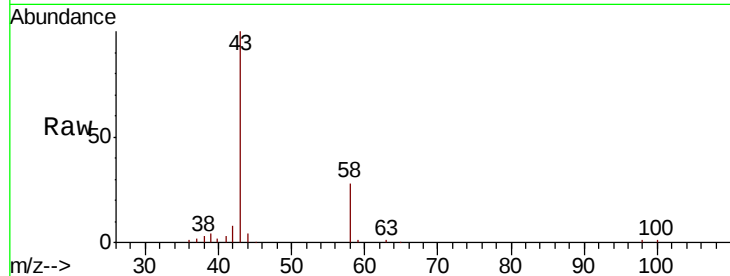
GAXE4RE

Tot Ion: 43 Resp: 43111

Ion Ratio Lower Upper

43 100

58 27.7 0.0 56.8



#16

Methylene chloride

Concen: 1.586 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW015508.D

Acq: 27 May 2020 16:45

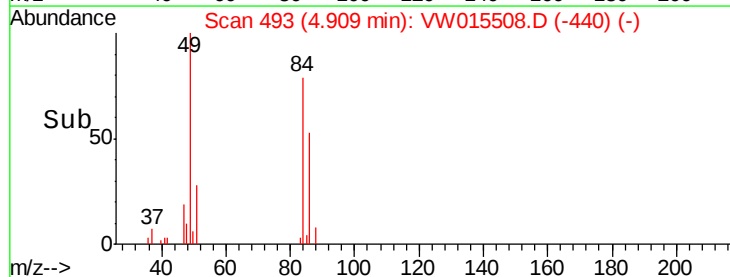
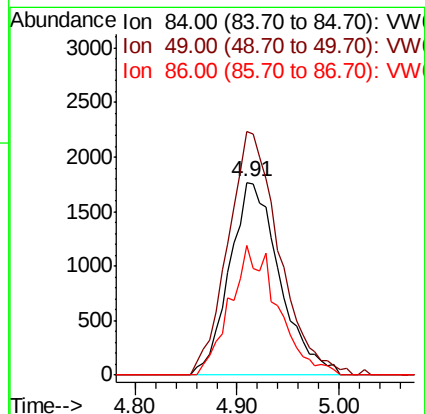
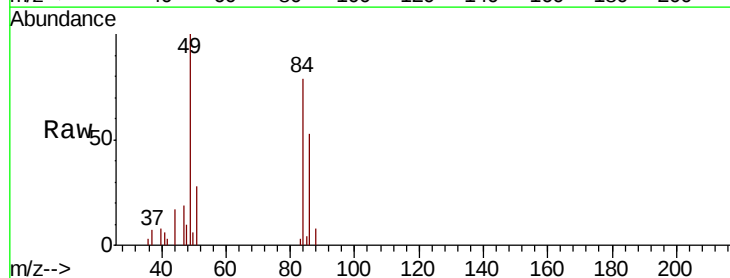
Tgt Ion: 84 Resp: 6048

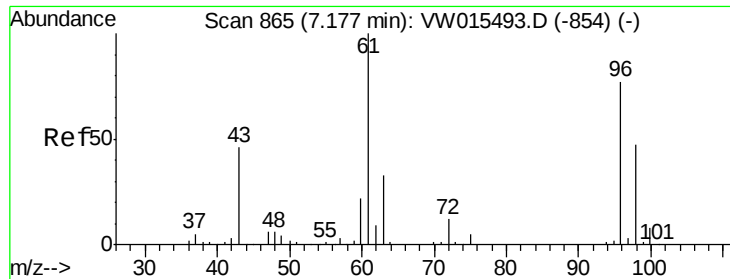
Ion Ratio Lower Upper

84 100

49 126.1 93.0 172.8

86 67.3 44.7 83.1

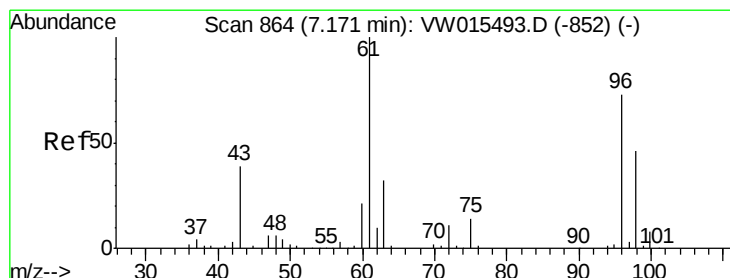
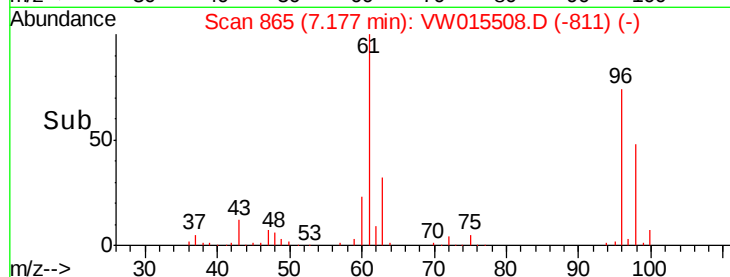
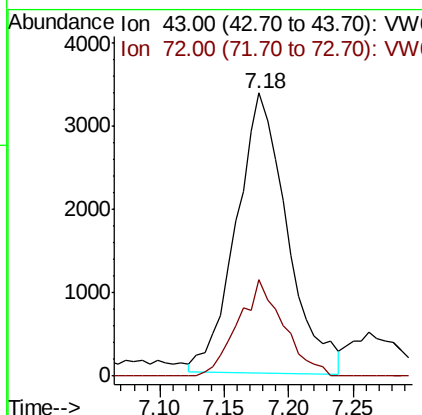
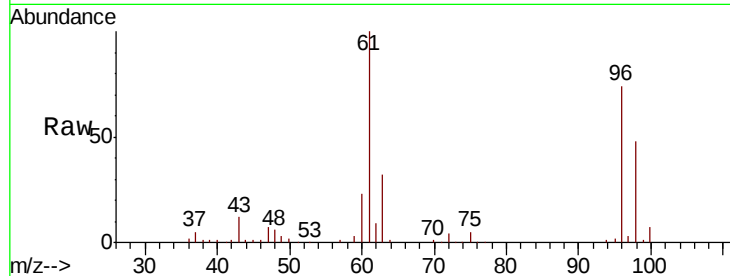




#21
2-Butanone
Concen: 8.370 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW015508.D
Acq: 27 May 2020 16:45

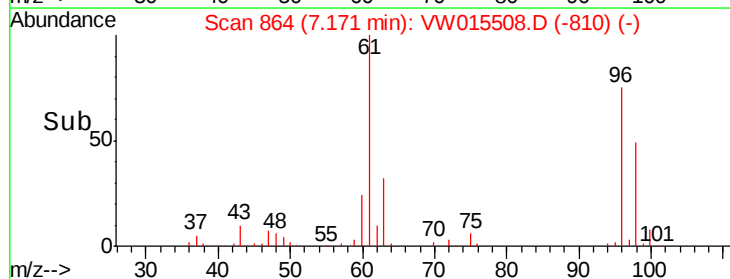
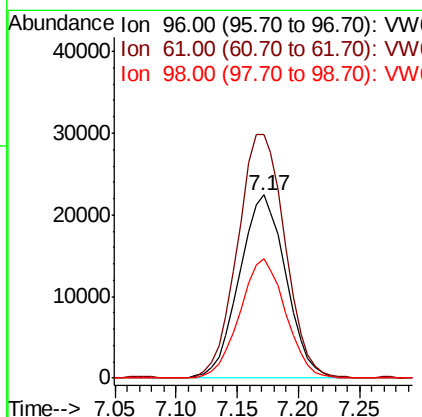
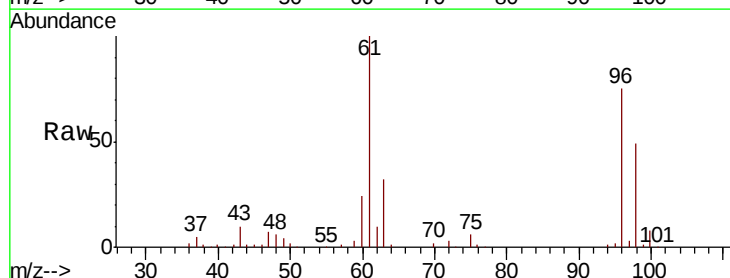
Instrument :
MSVOA_W
ClientSampleId :
GAXE4RE

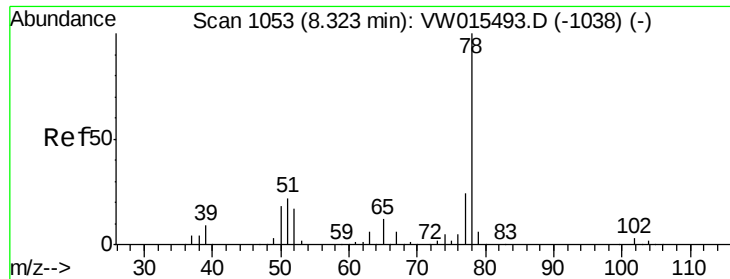
Tot Ion: 43 Resp: 9238
Ion Ratio Lower Upper
43 100
72 30.8 13.3 39.9



#22
cis-1,2-Dichloroethene
Concen: 14.329 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015508.D
Acq: 27 May 2020 16:45

Tgt Ion: 96 Resp: 59336
Ion Ratio Lower Upper
96 100
61 133.0 93.7 173.9
98 65.2 45.1 83.9





#34

Benzene

Concen: 0.813 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW015508.D

Acq: 27 May 2020 16:45

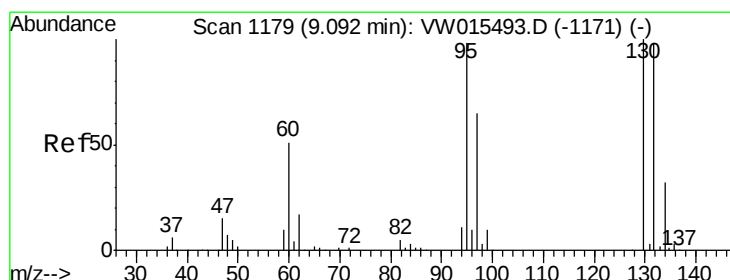
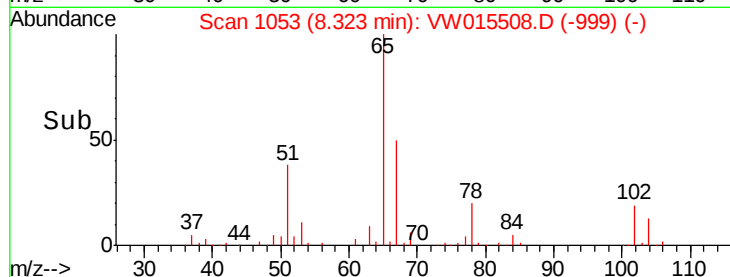
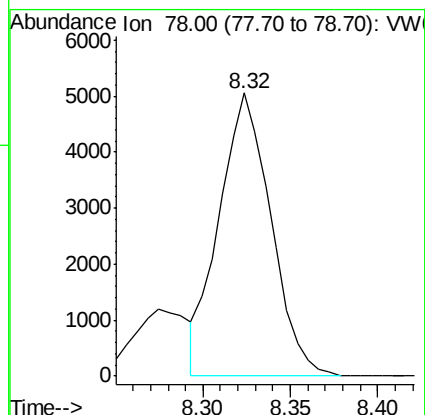
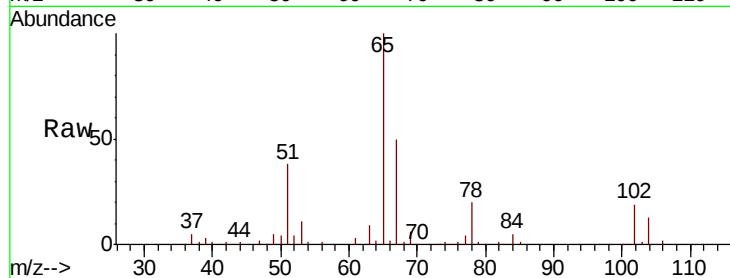
Instrument :

MSVOA_W

ClientSampleId :

GAXE4RE

Tgt Ion: 78 Resp: 10417



#35

Trichloroethene

Concen: 14.393 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015508.D

Acq: 27 May 2020 16:45

Tgt Ion: 95 Resp: 49531

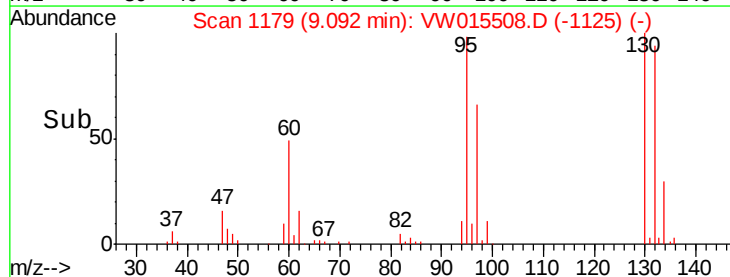
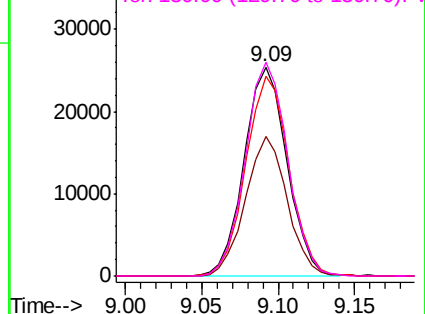
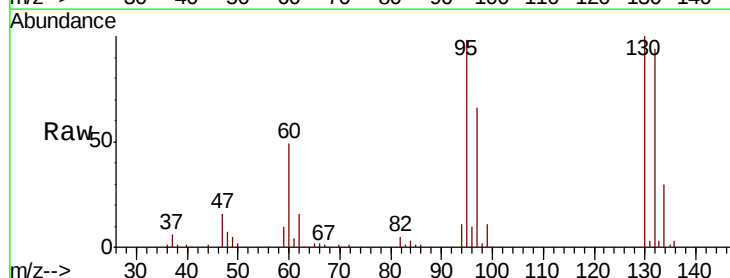
Ion	Ratio	Lower	Upper
95	100		
97	65.2	45.4	84.2
132	96.4	67.1	124.7
130	101.6	69.4	128.8

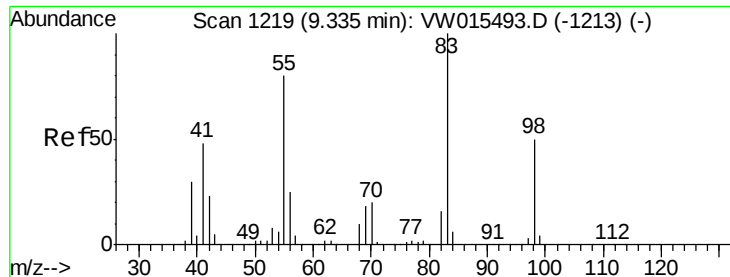
Abundance Ion 95.00 (94.70 to 95.70): VW

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

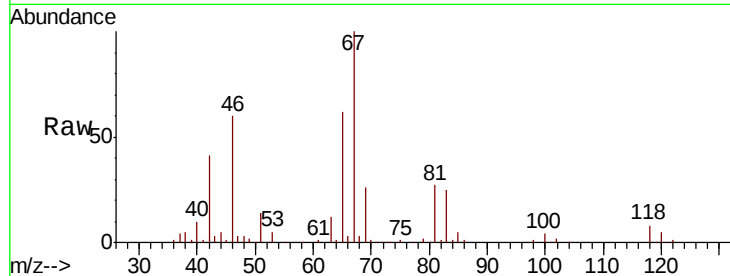




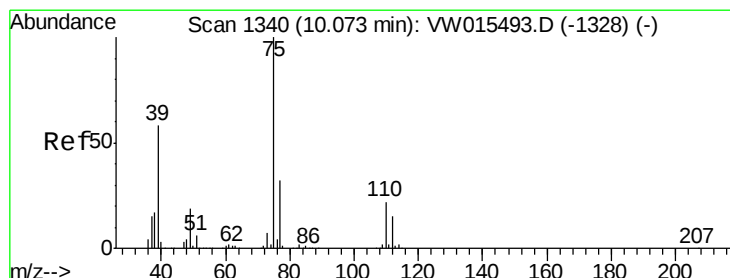
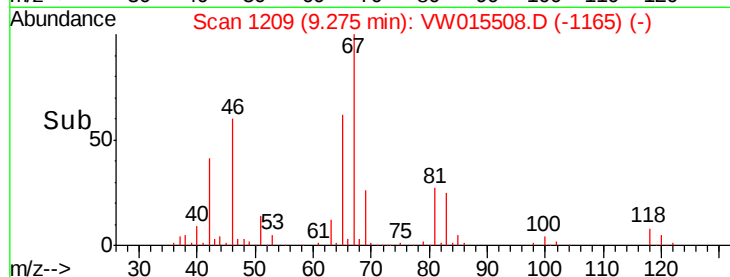
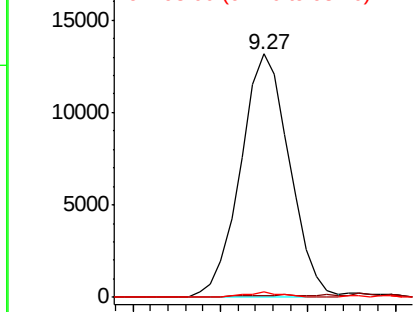
#36
Methylcyclohexane
Concen: 4.170 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW015508.D
Acq: 27 May 2020 16:45

Instrument :
MSVOA_W
ClientSampleId :
GAXE4RE

Tot Ion: 83 Resp: 25597
Ion Ratio Lower Upper
83 100
55 1.2 62.8 94.2#
98 1.7 39.2 58.8#

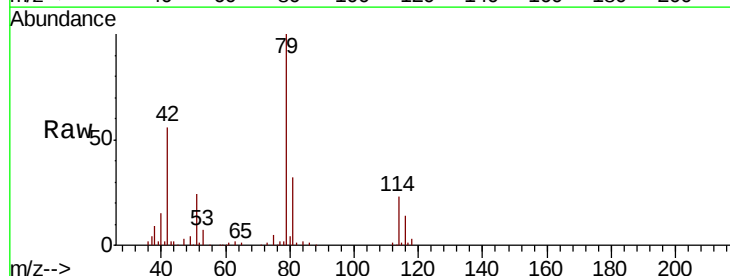


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

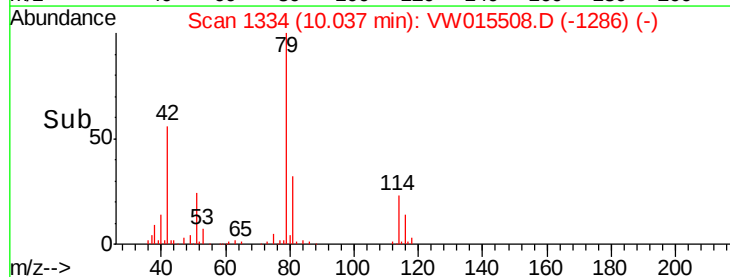
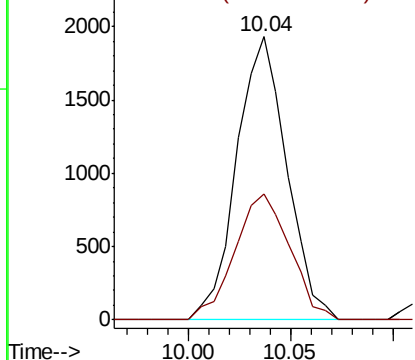


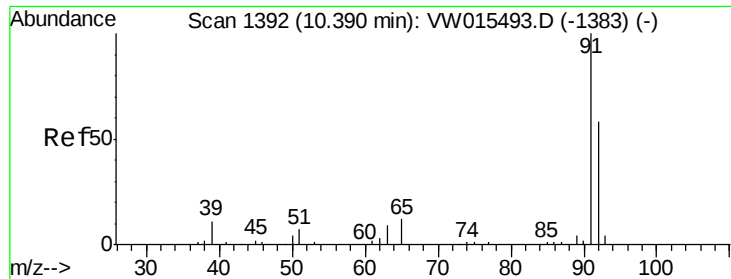
#42
cis-1,3-Dichloropropene
Concen: 0.652 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW015508.D
Acq: 27 May 2020 16:45

Tgt Ion: 75 Resp: 3294
Ion Ratio Lower Upper
75 100
77 44.4 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VW
Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 1.311 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015508.D

Acq: 27 May 2020 16:45

Instrument :

MSVOA_W

ClientSampleId :

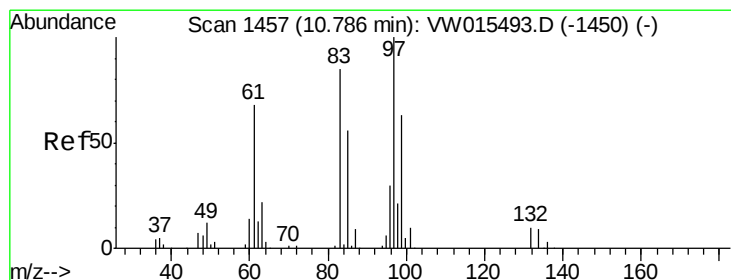
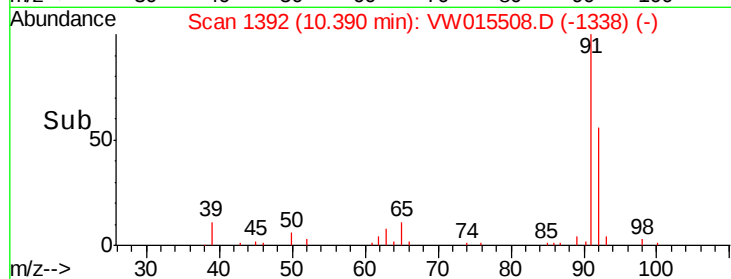
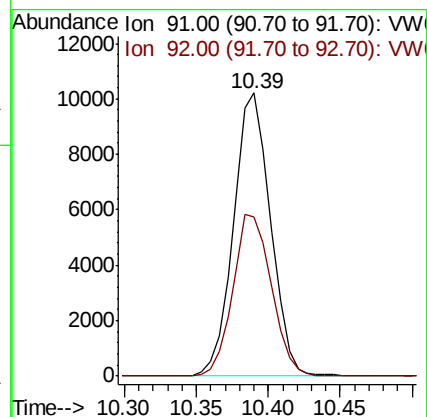
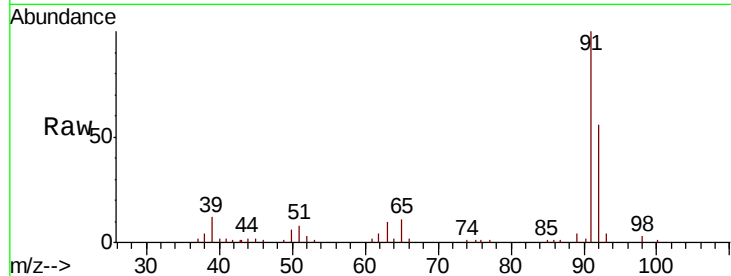
GAXE4RE

Tot Ion: 91 Resp: 18294

Ion Ratio Lower Upper

91 100

92 56.3 41.7 77.5



#46

1,1,2-Trichloroethane

Concen: 10.328 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.07 min

Lab File: VW015508.D

Acq: 27 May 2020 16:45

Tgt Ion: 97 Resp: 22796

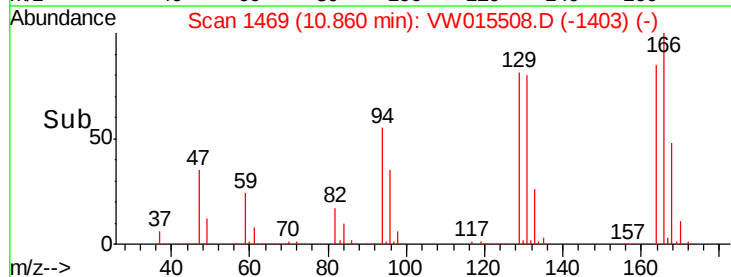
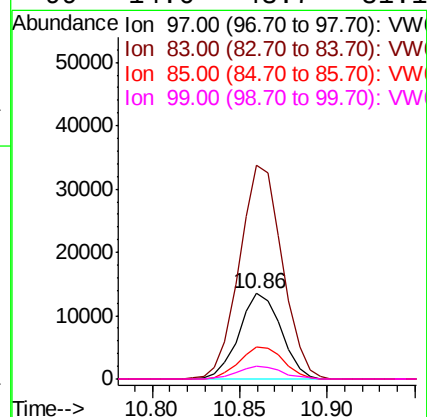
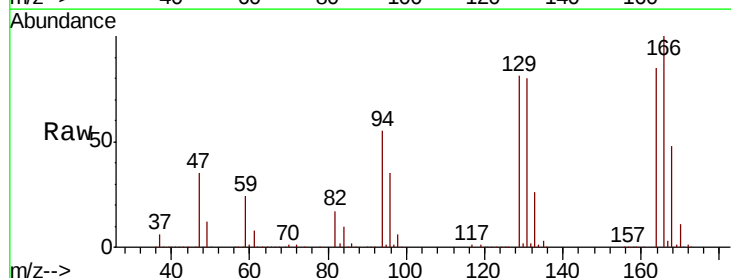
Ion Ratio Lower Upper

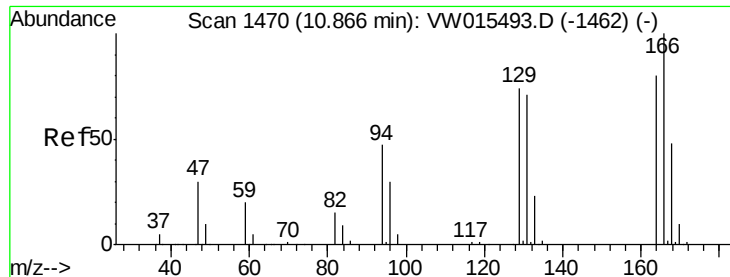
97 100

83 249.2 58.2 108.2#

85 38.1 37.4 69.4

99 14.6 43.7 81.1#





#47

Tetrachloroethene

Concen: 891.624 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW015508.D

Acq: 27 May 2020 16:45

Instrument :

MSVOA_W

ClientSampled :

GAXE4RE

Tot Ion:164 Resp: 2432339

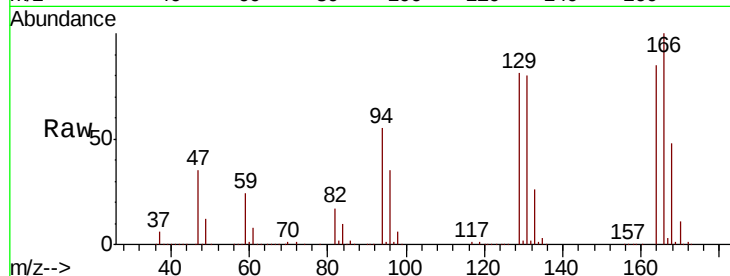
Ion Ratio Lower Upper

164 100

129 95.9 66.3 123.1

131 95.1 65.1 120.9

166 118.1 90.8 168.6

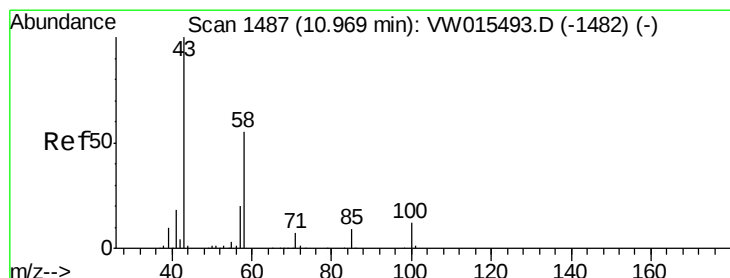
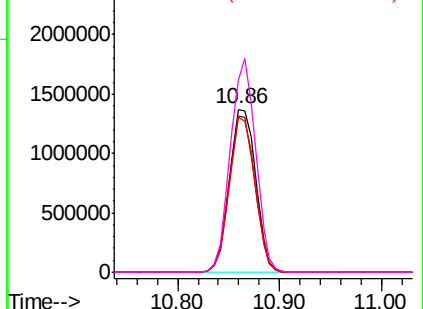
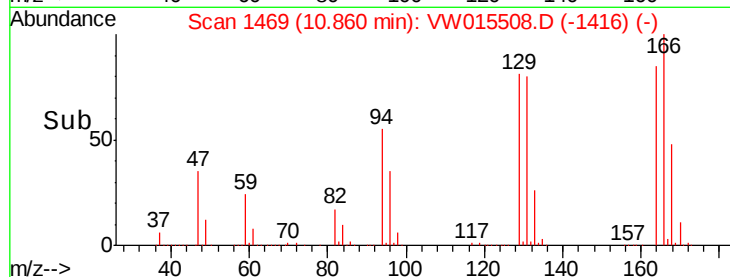


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

2-Hexanone

Concen: 4.349 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW015508.D

Acq: 27 May 2020 16:45

Tgt Ion: 43 Resp: 5429

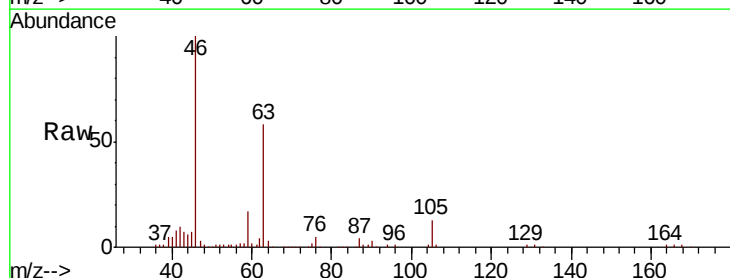
Ion Ratio Lower Upper

43 100

58 21.8 42.6 64.0#

57 21.3 15.5 23.3

100 0.0 10.3 15.5#

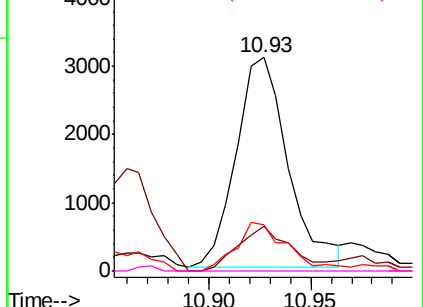
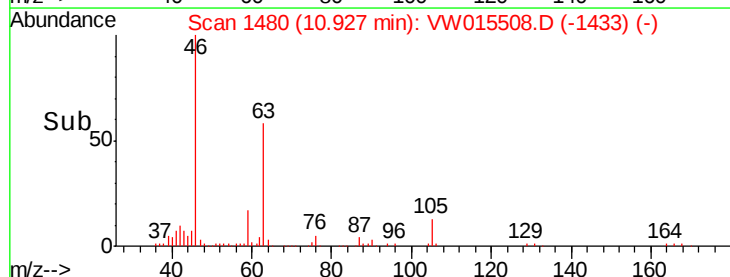


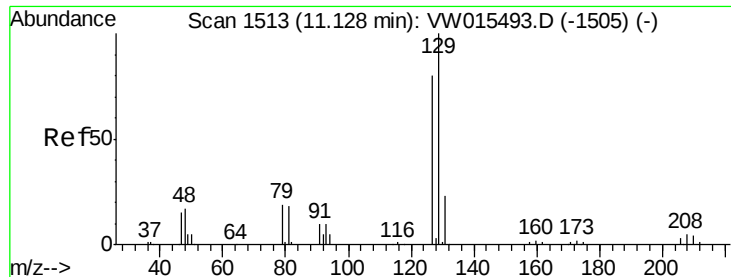
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 57.00 (56.70 to 57.70): V

Ion 100.00 (99.70 to 100.70): V





#50

Dibromochloromethane

Concen: 858.327 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW015508.D

Acq: 27 May 2020 16:45

Instrument :

MSVOA_W

ClientSampleId :

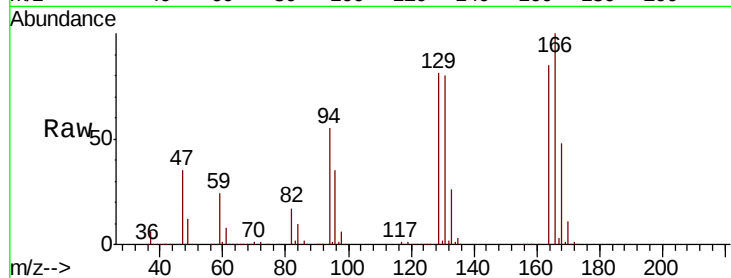
GAXE4RE

Tot Ion:129 Resp: 2301796

Ion Ratio Lower Upper

129 100

127 0.0 53.0 98.4#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.86

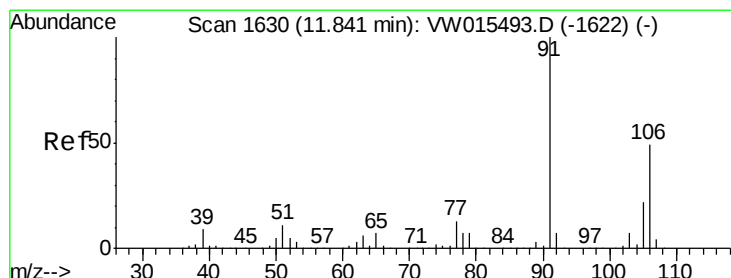
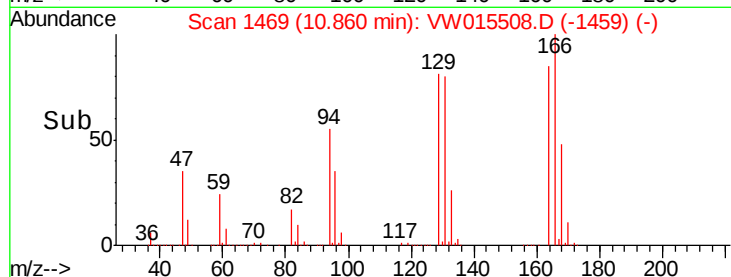
1500000

1000000

500000

0

Time-->



#54

m,p-Xylene

Concen: 1.144 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015508.D

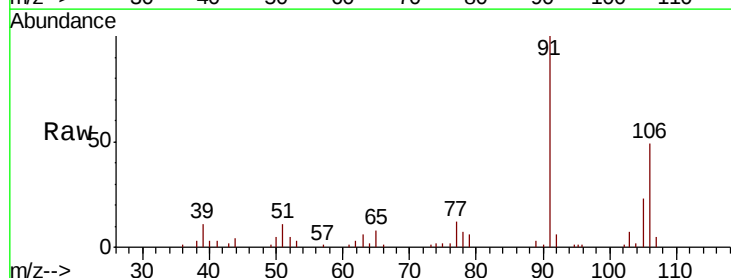
Acq: 27 May 2020 16:45

Tgt Ion:106 Resp: 6881

Ion Ratio Lower Upper

106 100

91 202.3 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV

11.84

8000

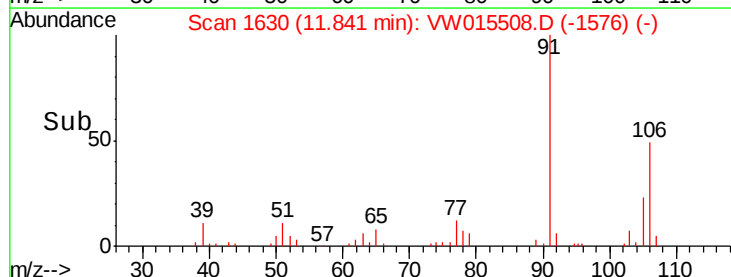
6000

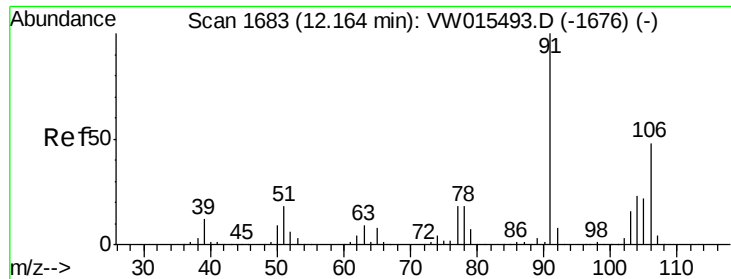
4000

2000

0

Time-->





#55
 o-xylene
 Concen: 0.500 ug/L
 RT: 12.16 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VW015508.D
 Acq: 27 May 2020 16:45

Instrument :
 MSVOA_W
 ClientSampleId :
 GAXE4RE

Tot Ion:106 Resp: 2856
 Ion Ratio Lower Upper
 106 100
 91 219.7 149.0 276.6

