

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061120\
 Data File : VW015591.D
 Acq On : 11 Jun 2020 15:51
 Operator : SY/VA
 Sample : L2959-08
 Misc : 3.32G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2K2

Quant Time: Jun 12 05:05:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 12 05:02:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	321840	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	267551	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	90352	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	105036	35.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	142.44%
7) Chloroethane-d5	2.90	69	84820	28.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.68%
10) 1,1-Dichloroethene-d2	4.01	63	149917	20.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.44%
20) 2-Butanone-d5	7.08	46	42738	44.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.76%
24) Chloroform-d	7.65	84	183483	24.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	8.40	65	112	0.03	ug/L	0.09
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.12%#
29) Benzene-d6	8.28	84	370241	28.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.88%
33) 1,2-Dichloropropane-d6	9.27	67	107618	26.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.96%
37) Toluene-d8	10.33	98	325789	25.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.16%
38) trans-1,3-Dichloropropene-	10.58	79	42508	23.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.16%
39) 2-Hexanone-d5	10.93	63	33725	48.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.70%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	64680	21.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	66798	22.06	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.24%

Target Compounds

					Ovalue
13) Acetone	4.12	43	13148	17.662	ug/L 99
14) Carbon disulfide	4.38	76	2994	0.234	ug/L 95
16) Methylene chloride	4.92	84	11445	2.897	ug/L 96
21) 2-Butanone	7.18	43	5132	4.488	ug/L 82
42) cis-1,3-Dichloropropene	10.04	75	3444	0.584	ug/L # 77
44) Toluene	10.39	91	8001	0.491	ug/L 99
46) 1,1,2-Trichloroethane	10.76	97	2652	1.029	ug/L # 22
47) Tetrachloroethene	10.87	164	2216	0.696	ug/L 88
50) Dibromochloromethane	10.86	129	2088	0.667	ug/L # 12
53) Ethylbenzene	11.73	91	18881	1.009	ug/L 99
54) m,p-Xylene	11.83	106	40192	5.722	ug/L 95
55) o-xylene	12.17	106	19946	2.992	ug/L 99
56) Styrene	12.18	104	4469	0.392	ug/L # 72
57) Isopropylbenzene	12.46	105	19637	1.057	ug/L # 51
58) 1,1,2,2-Tetrachloroethane	12.69	83	3989	1.337	ug/L # 75
64) 1,4-Dichlorobenzene	13.58	146	6148	1.135	ug/L # 52
68) 1,2,4-trichlorobenzene	15.13	180	4845	1.572	ug/L # 33

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061120\
Data File : VW015591.D
Acq On : 11 Jun 2020 15:51
Operator : SY/VA
Sample : L2959-08
Misc : 3.32G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2K2

Quant Time: Jun 12 05:05:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 12 05:02:36 2020
Response via : Initial Calibration

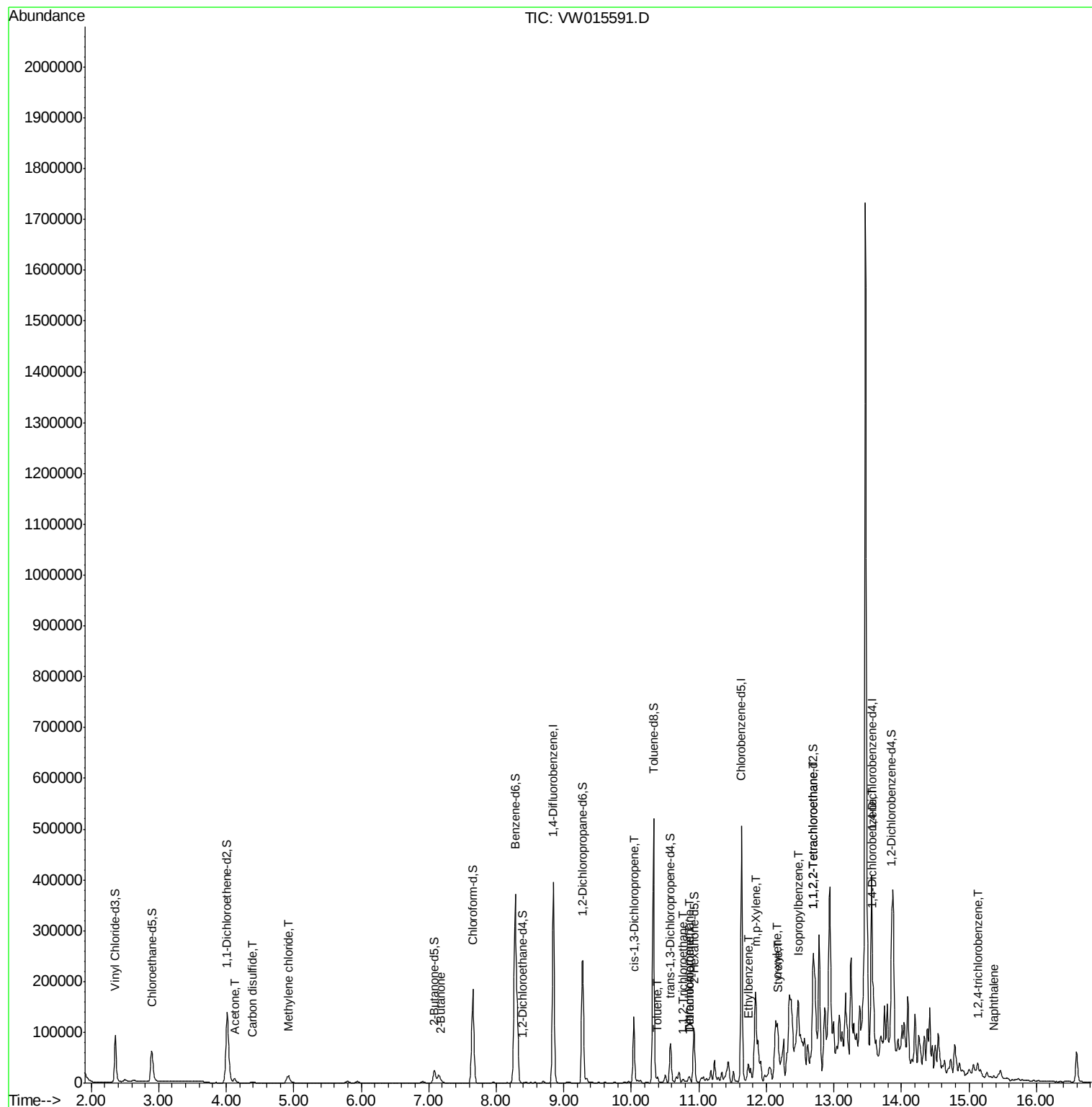
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
69) Naphthalene	15.36	128	5698	1.018	ug/L #	93
-----	-----	-----	-----	-----	-----	-----

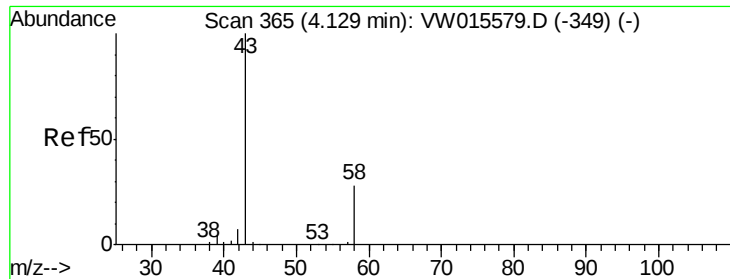
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061120\
Data File : VW015591.D
Acq On : 11 Jun 2020 15:51
Operator : SY/VA
Sample : L2959-08
Misc : 3.32G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2K2

Quant Time: Jun 12 05:05:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 12 05:02:36 2020
Response via : Initial Calibration





#13

Acetone

Concen: 17.662 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015591.D

Acq: 11 Jun 2020 15:51

Instrument :

MSVOA_W

ClientSampleId :

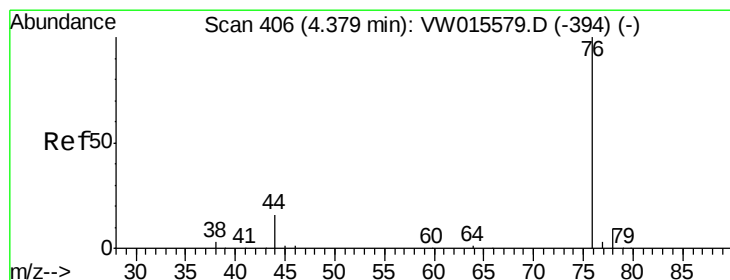
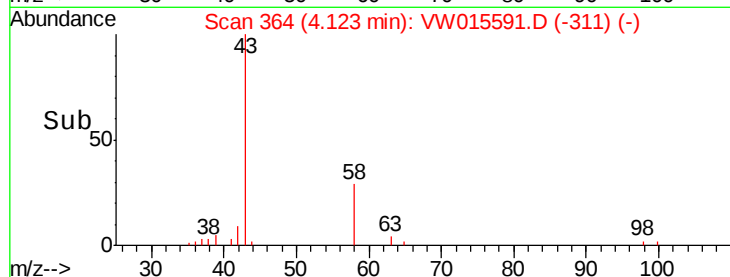
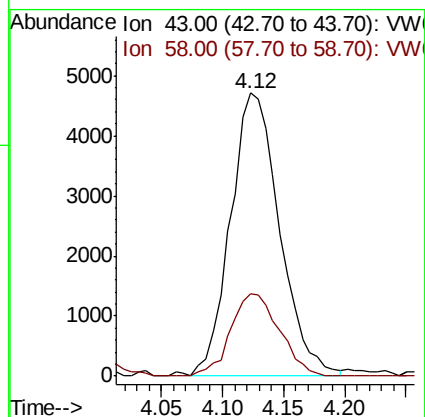
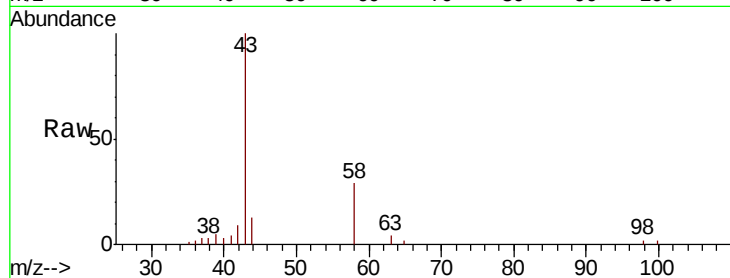
BG2K2

Tot Ion: 43 Resp: 13148

Ion Ratio Lower Upper

43 100

58 28.9 0.0 56.8



#14

Carbon disulfide

Concen: 0.234 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015591.D

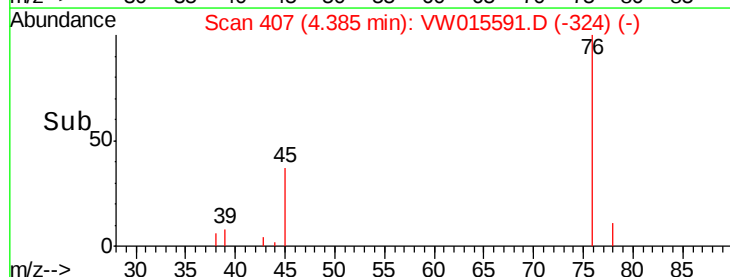
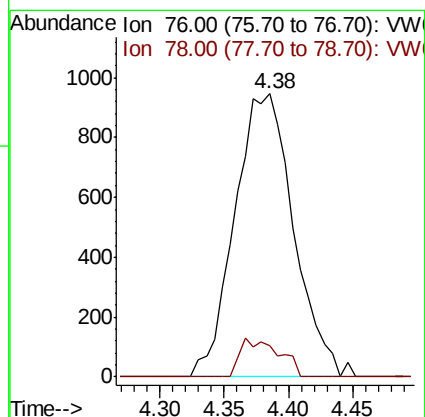
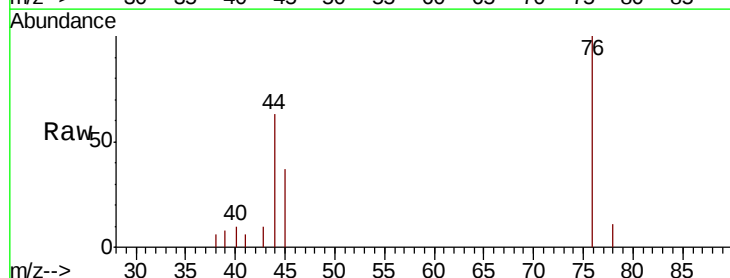
Acq: 11 Jun 2020 15:51

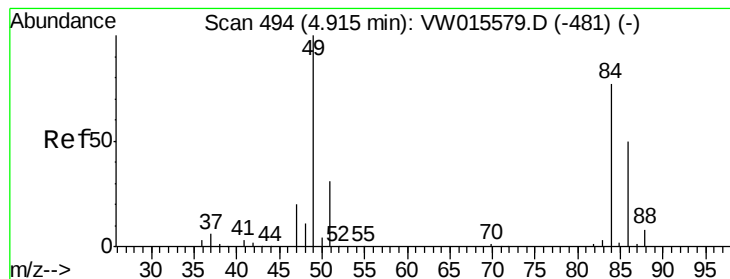
Tgt Ion: 76 Resp: 2994

Ion Ratio Lower Upper

76 100

78 10.9 7.3 10.9





#16

Methylene chloride

Concen: 2.897 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW015591.D

Acq: 11 Jun 2020 15:51

Instrument :

MSVOA_W

ClientSampleId :

BG2K2

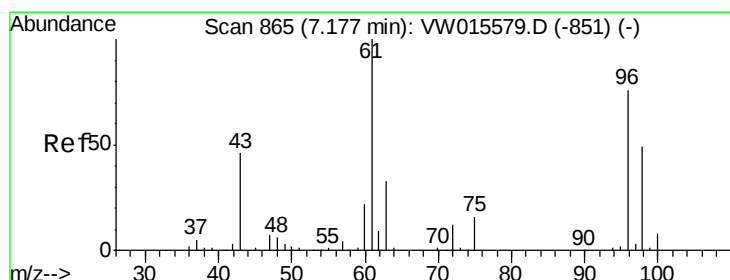
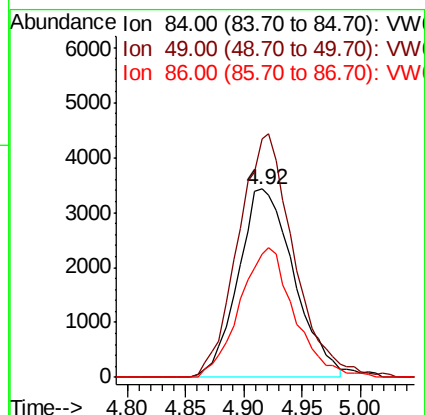
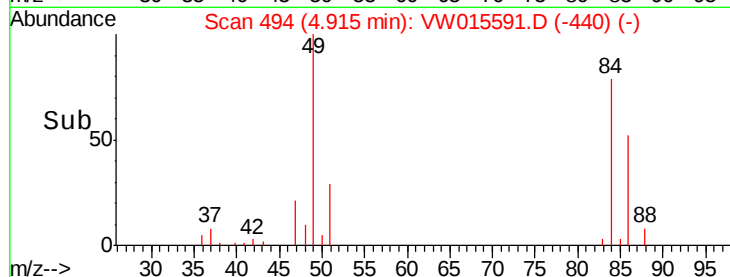
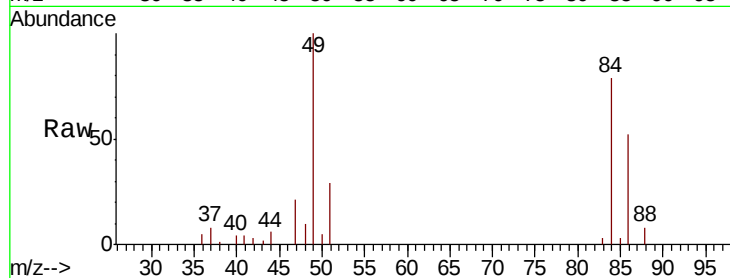
Tot Ion: 84 Resp: 11445

Ion Ratio Lower Upper

84 100

49 126.9 93.0 172.8

86 65.5 44.7 83.1



#21

2-Butanone

Concen: 4.488 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW015591.D

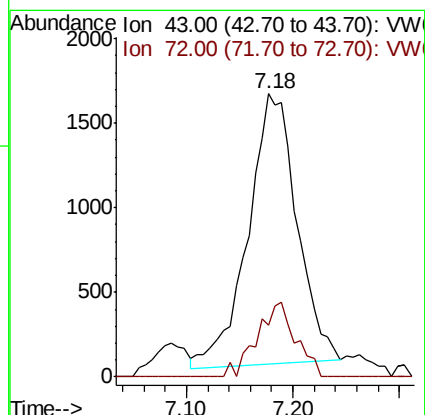
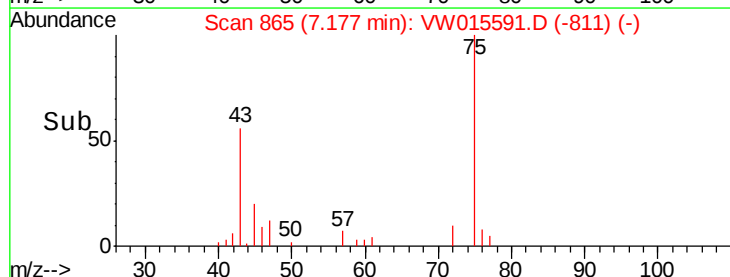
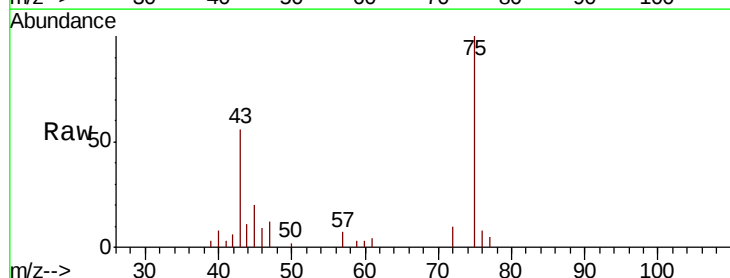
Acq: 11 Jun 2020 15:51

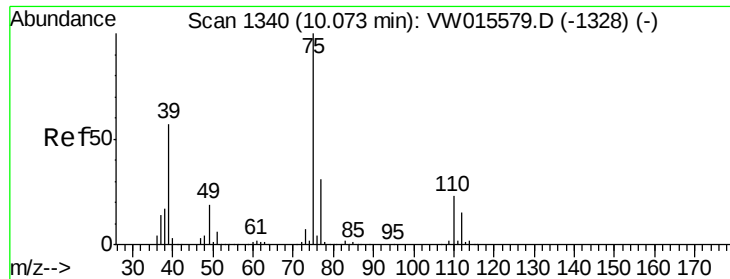
Tgt Ion: 43 Resp: 5132

Ion Ratio Lower Upper

43 100

72 17.6 13.3 39.9





#42

cis-1,3-Dichloropropene

Concen: 0.584 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW015591.D

Acq: 11 Jun 2020 15:51

Instrument :

MSVOA_W

ClientSampleId :

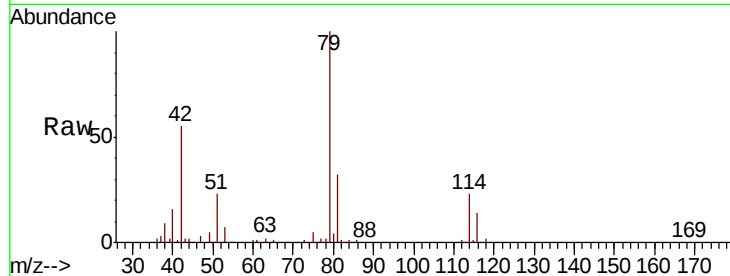
BG2K2

Tot Ion: 75 Resp: 3444

Ion Ratio Lower Upper

75 100

77 44.6 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.04

2000

1500

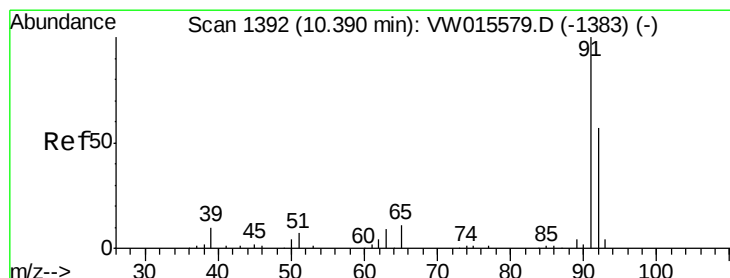
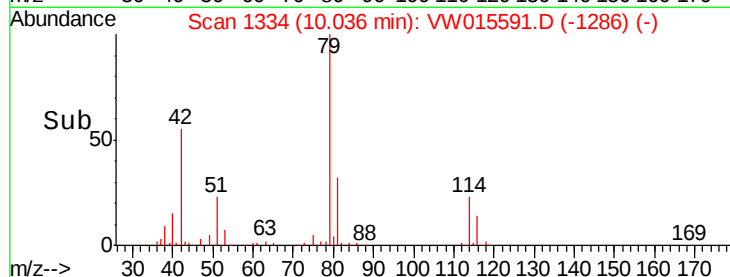
1000

500

0

10.00 10.05 10.10

Time-->



#44

Toluene

Concen: 0.491 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015591.D

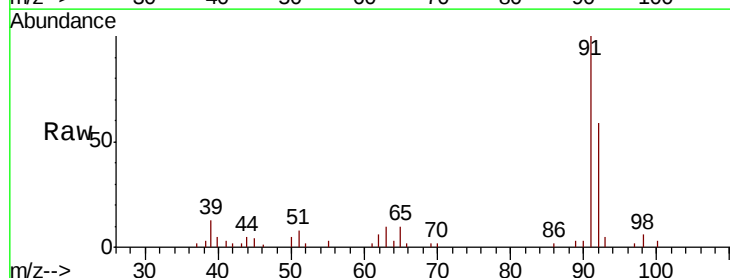
Acq: 11 Jun 2020 15:51

Tgt Ion: 91 Resp: 8001

Ion Ratio Lower Upper

91 100

92 59.2 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

5000

4000

3000

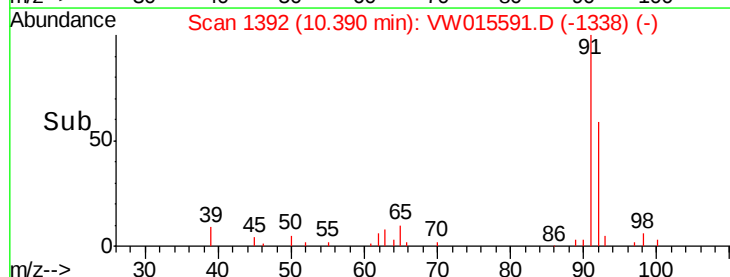
2000

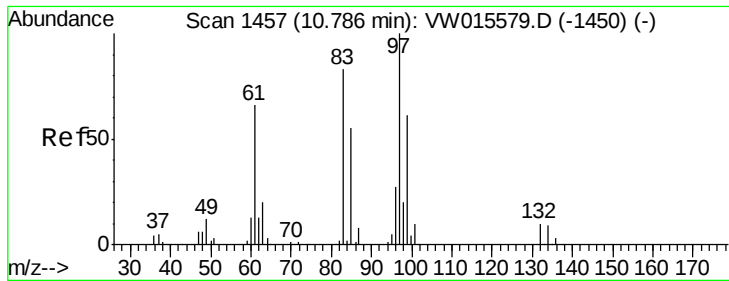
1000

0

10.35 10.40 10.45

Time-->

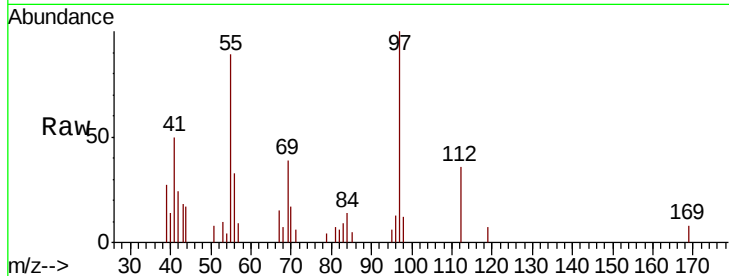




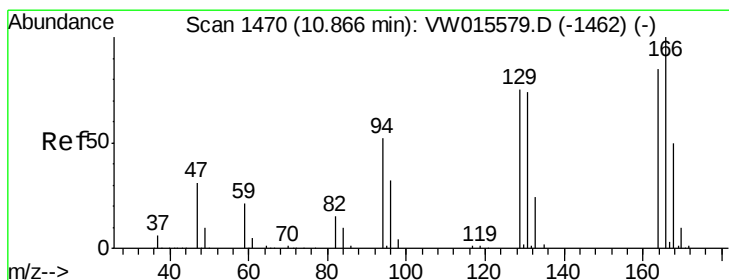
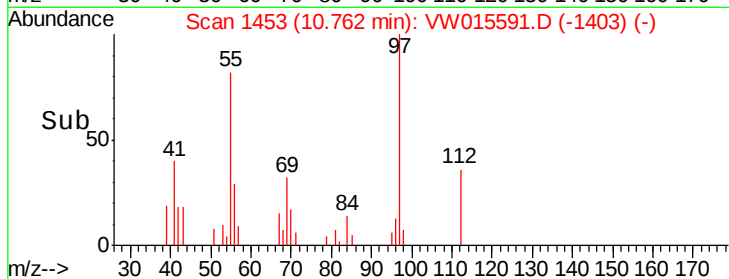
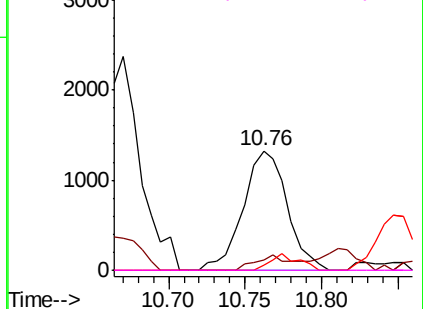
#46
 1,1,2-Trichloroethane
 Concen: 1.029 ug/L
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW015591.D
 Acq: 11 Jun 2020 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2K2

Tot Ion: 97 Resp: 2652
 Ion Ratio Lower Upper
 97 100
 83 8.6 58.2 108.2#
 85 4.7 37.4 69.4#
 99 0.0 43.7 81.1#

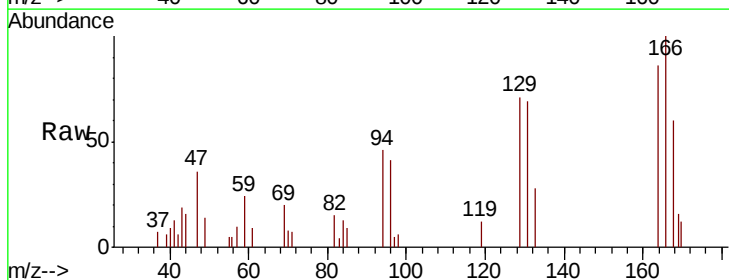


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

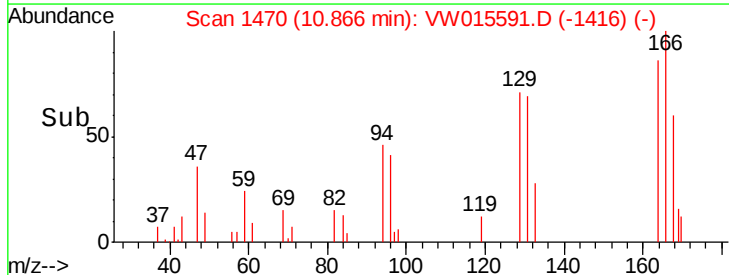
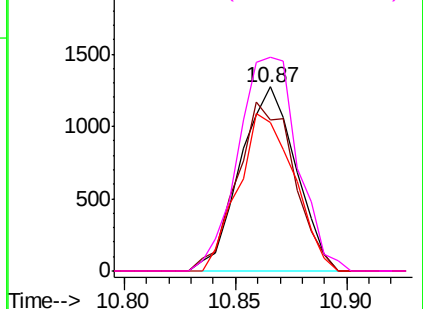


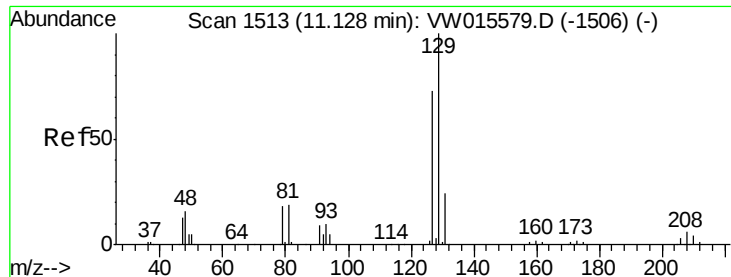
#47
 Tetrachloroethene
 Concen: 0.696 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW015591.D
 Acq: 11 Jun 2020 15:51

Tgt Ion: 164 Resp: 2216
 Ion Ratio Lower Upper
 164 100
 129 82.2 66.3 123.1
 131 80.6 65.1 120.9
 166 116.2 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





#50

Dibromochloromethane

Concen: 0.667 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW015591.D

Acq: 11 Jun 2020 15:51

Instrument :

MSVOA_W

ClientSampled :

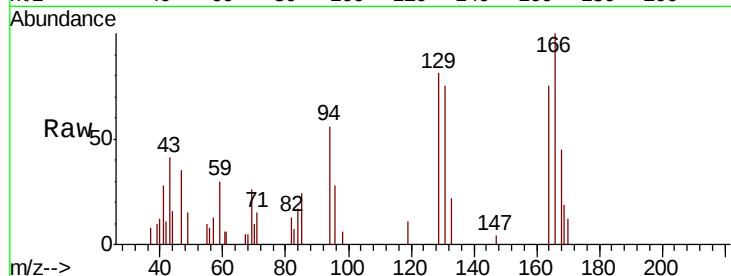
BG2K2

Tot Ion:129 Resp: 2088

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

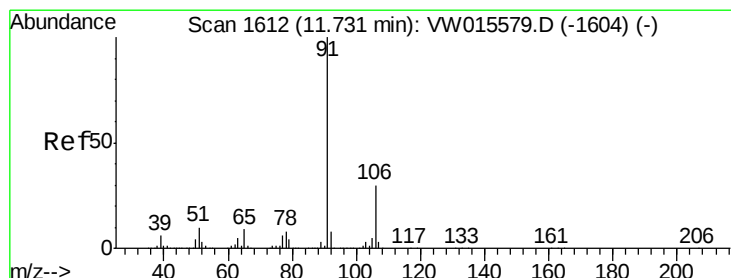
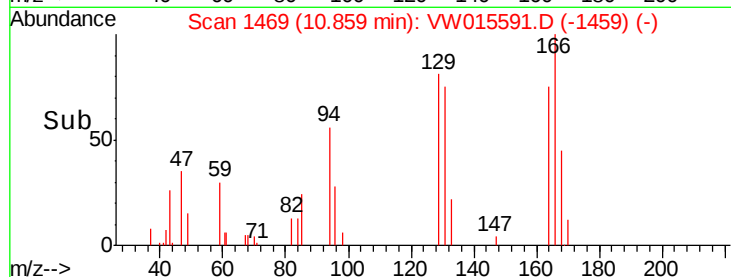
10.86

1000

500

0

Time--> 10.80 10.85 10.90



#53

Ethylbenzene

Concen: 1.009 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015591.D

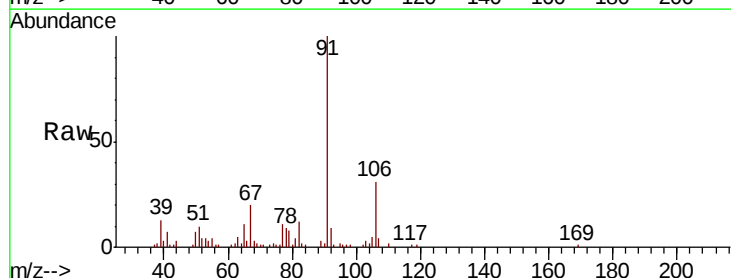
Acq: 11 Jun 2020 15:51

Tgt Ion: 91 Resp: 18881

Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

40000

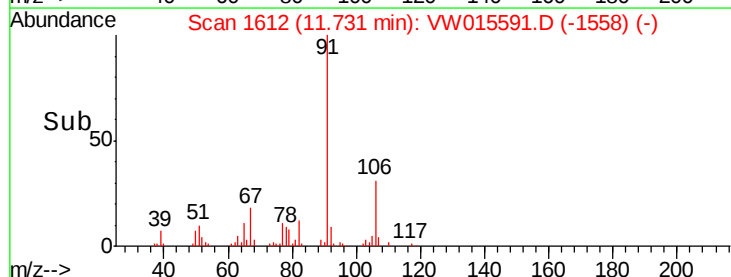
30000

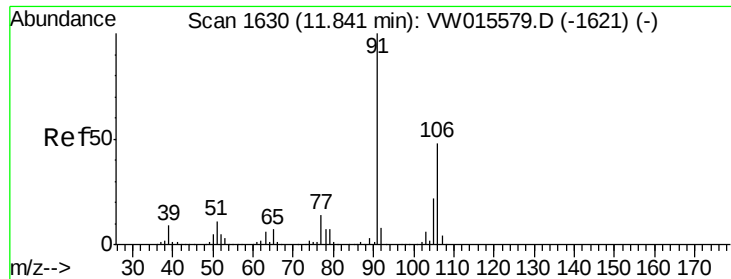
20000

10000

0

Time--> 11.65 11.70 11.75 11.80





#54

m,p-Xylene

Concen: 5.722 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW015591.D

Acq: 11 Jun 2020 15:51

Instrument :

MSVOA_W

ClientSampled :

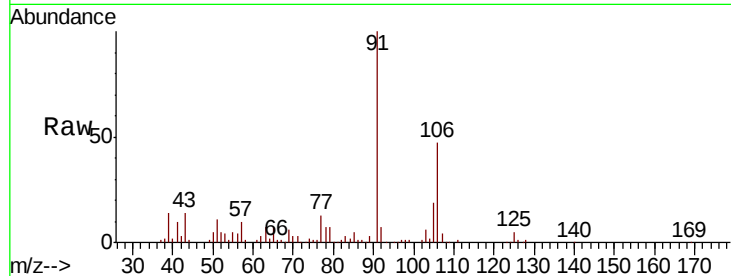
BG2K2

Tot Ion:106 Resp: 40192

Ion Ratio Lower Upper

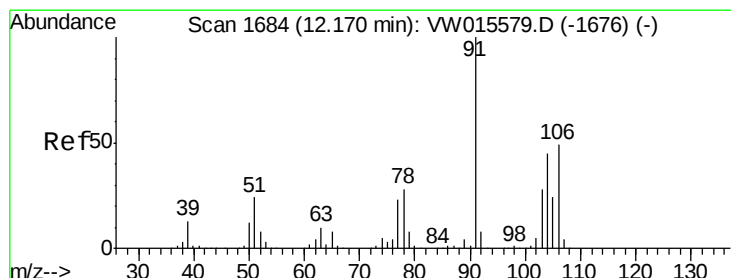
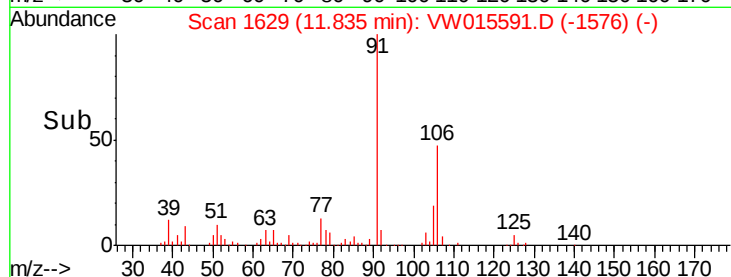
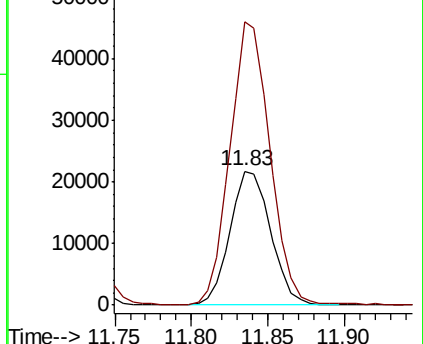
106 100

91 211.8 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 2.992 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW015591.D

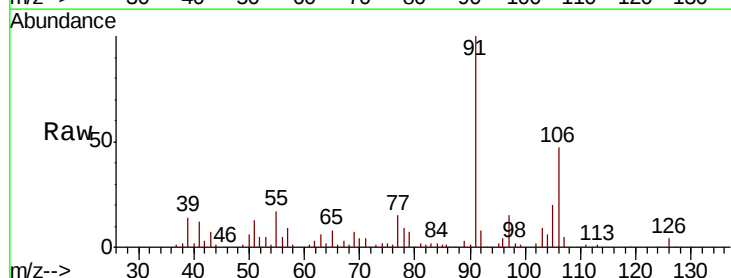
Acq: 11 Jun 2020 15:51

Tgt Ion:106 Resp: 19946

Ion Ratio Lower Upper

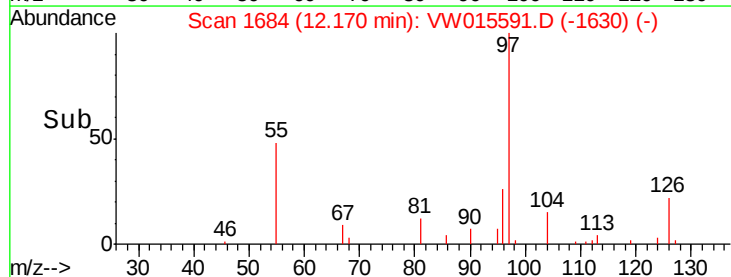
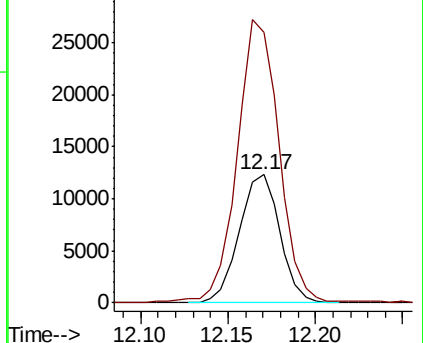
106 100

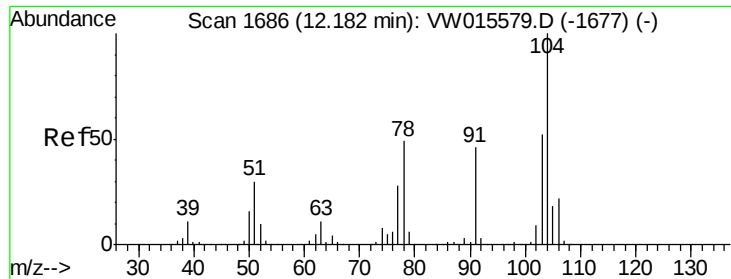
91 211.3 149.0 276.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Stvrene

Concen: 0.392 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW015591.D

Acq: 11 Jun 2020 15:51

Instrument :

MSVOA_W

ClientSampled :

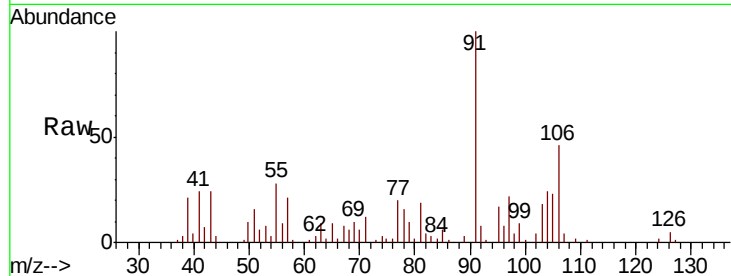
BG2K2

Tot Ion:104 Resp: 4469

Ion Ratio Lower Upper

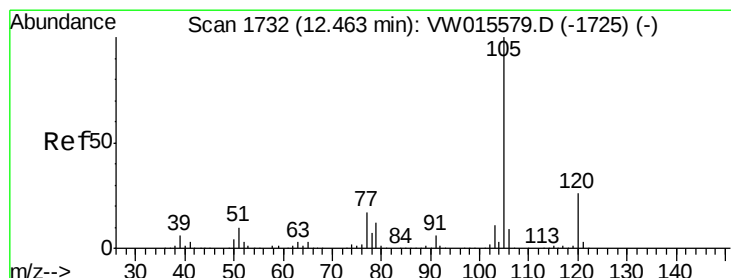
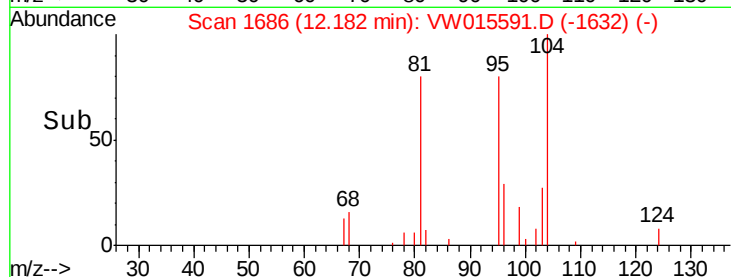
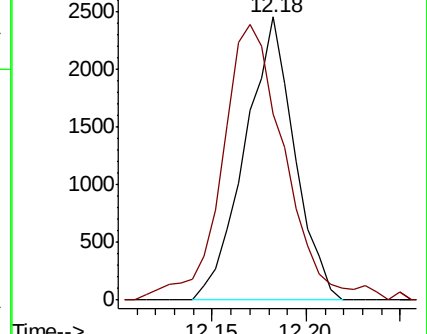
104 100

78 65.8 32.9 61.1#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 1.057 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015591.D

Acq: 11 Jun 2020 15:51

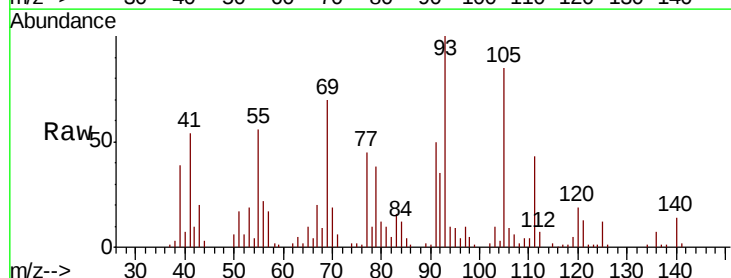
Tgt Ion:105 Resp: 19637

Ion Ratio Lower Upper

105 100

120 22.9 21.0 31.4

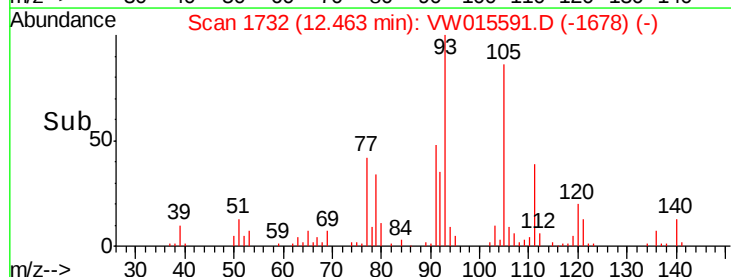
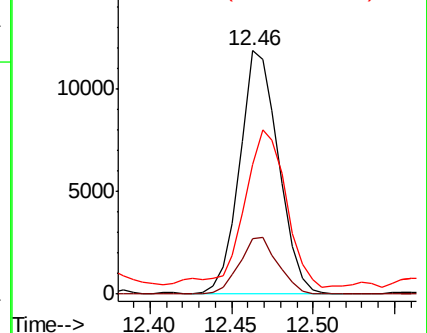
77 67.0 13.0 19.6#

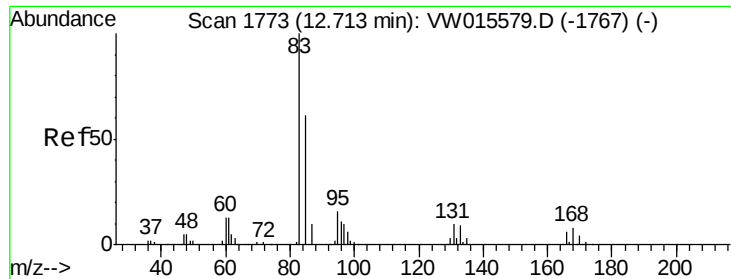


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW

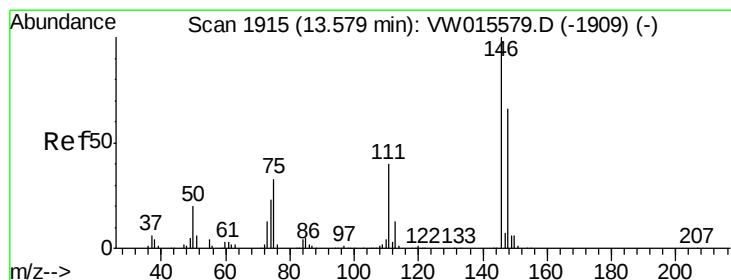
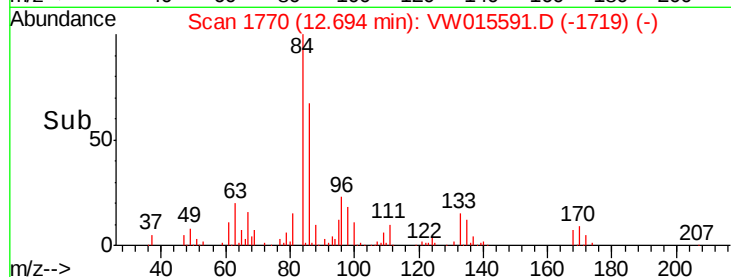
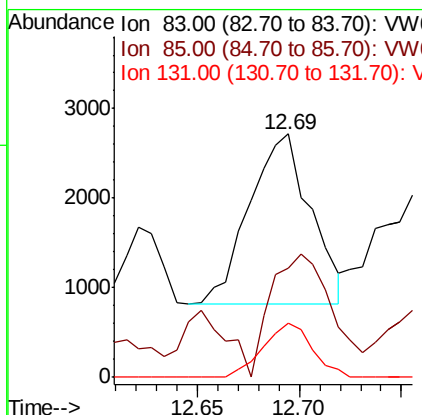
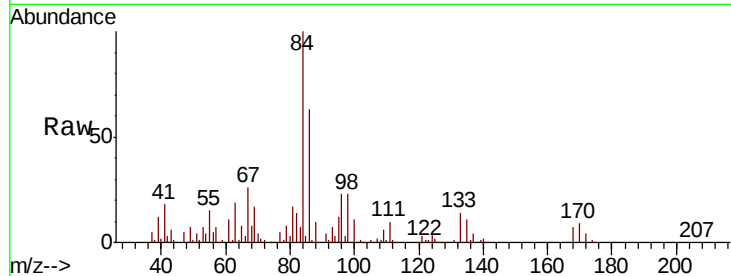




#58
 1,1,2,2-Tetrachloroethane
 Concen: 1.337 ug/L
 RT: 12.69 min Scan# 1770
 Delta R.T. -0.02 min
 Lab File: VW015591.D
 Acq: 11 Jun 2020 15:51

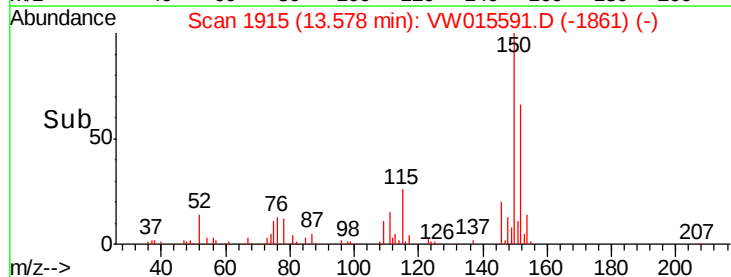
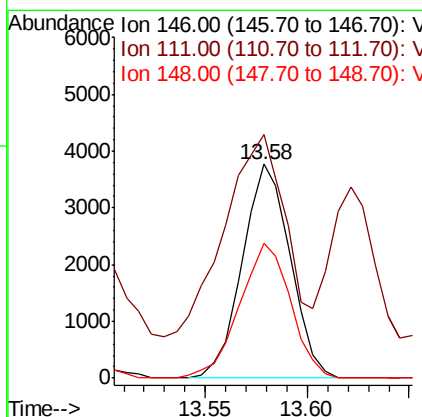
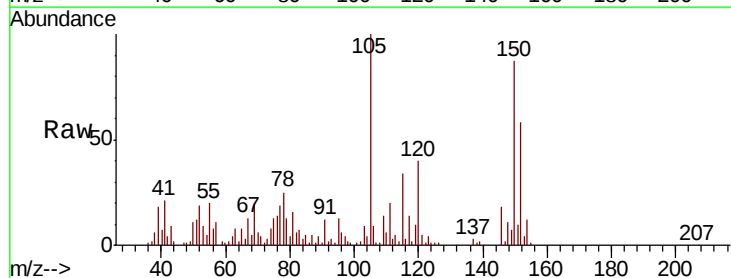
Instrument :
 MSVOA_W
 ClientSampleId :
 BG2K2

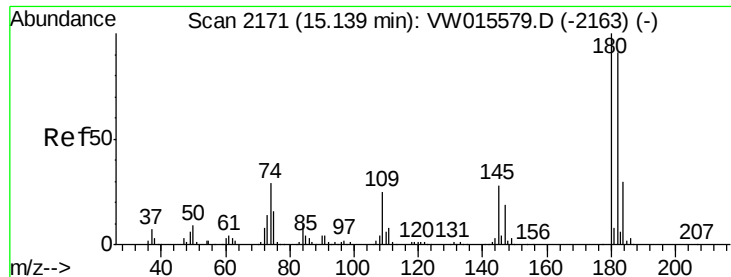
Tot Ion: 83 Resp: 3989
 Ion Ratio Lower Upper
 83 100
 85 45.0 44.7 82.9
 131 22.4 9.1 13.7#



#64
 1,4-Dichlorobenzene
 Concen: 1.135 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015591.D
 Acq: 11 Jun 2020 15:51

Tgt Ion: 146 Resp: 6148
 Ion Ratio Lower Upper
 146 100
 111 113.9 28.1 52.1#
 148 63.3 43.3 80.3



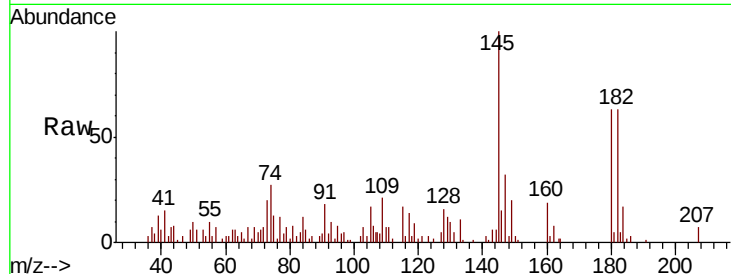


#68

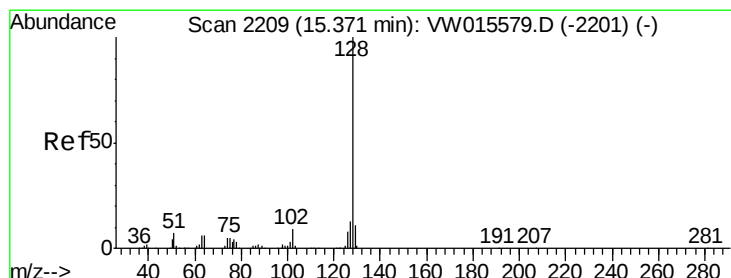
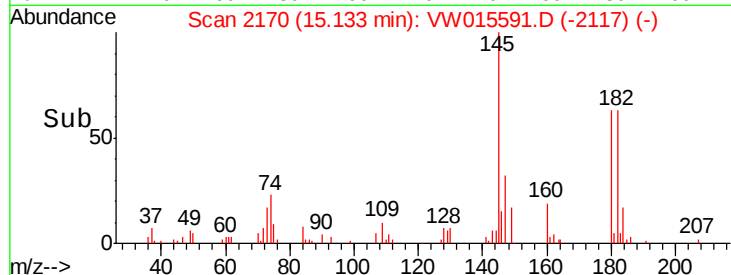
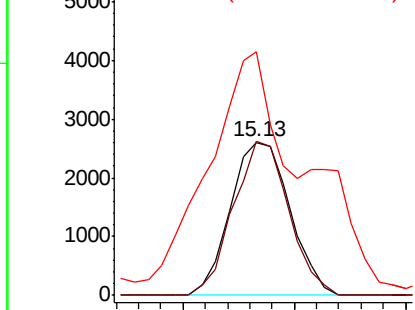
1,2,4-trichlorobenzene
Concen: 1.572 ug/L
RT: 15.13 min Scan# 2170
Delta R.T. -0.01 min
Lab File: VW015591.D
Acq: 11 Jun 2020 15:51

Instrument :
MSVOA_W
ClientSampled :
BG2K2

Tot Ion:180 Resp: 4845
Ion Ratio Lower Upper
180 100
182 93.8 76.1 114.1
145 177.5 25.2 37.8#



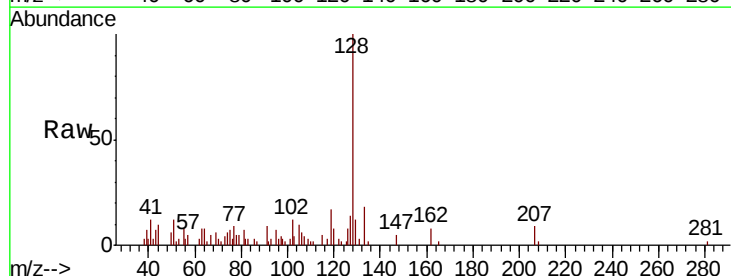
Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V



#69

Naphthalene
Concen: 1.018 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW015591.D
Acq: 11 Jun 2020 15:51

Tgt Ion:128 Resp: 5698
Ion Ratio Lower Upper
128 100
129 13.5 8.6 12.8#
127 15.6 10.6 15.8



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

