

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111020\
 Data File : VW017130.D
 Acq On : 10 Nov 2020 11:16
 Operator : SY/VA
 Sample : L4659-13
 Misc : 5.90G/10ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4B2

Quant Time: Nov 11 05:38:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 11 05:30:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	489024	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	439204	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	192632	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	144191	23.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.64%
7) Chloroethane-d5	2.89	69	116443	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.12%
10) 1,1-Dichloroethene-d2	4.01	63	194789	17.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.72%
20) 2-Butanone-d5	7.08	46	48608	35.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.58%
24) Chloroform-d	7.65	84	273895	23.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.96%
26) 1,2-Dichloroethane-d4	8.31	65	131391	23.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.60%
29) Benzene-d6	8.27	84	553066	24.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.92%
33) 1,2-Dichloropropane-d6	9.27	67	150785	24.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.48%
37) Toluene-d8	10.32	98	535503	25.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.56%
38) trans-1,3-Dichloropropene-	10.58	79	59903	21.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.92%
39) 2-Hexanone-d5	10.93	63	38663	35.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	107688	19.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	168821	24.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.52%

Target Compounds

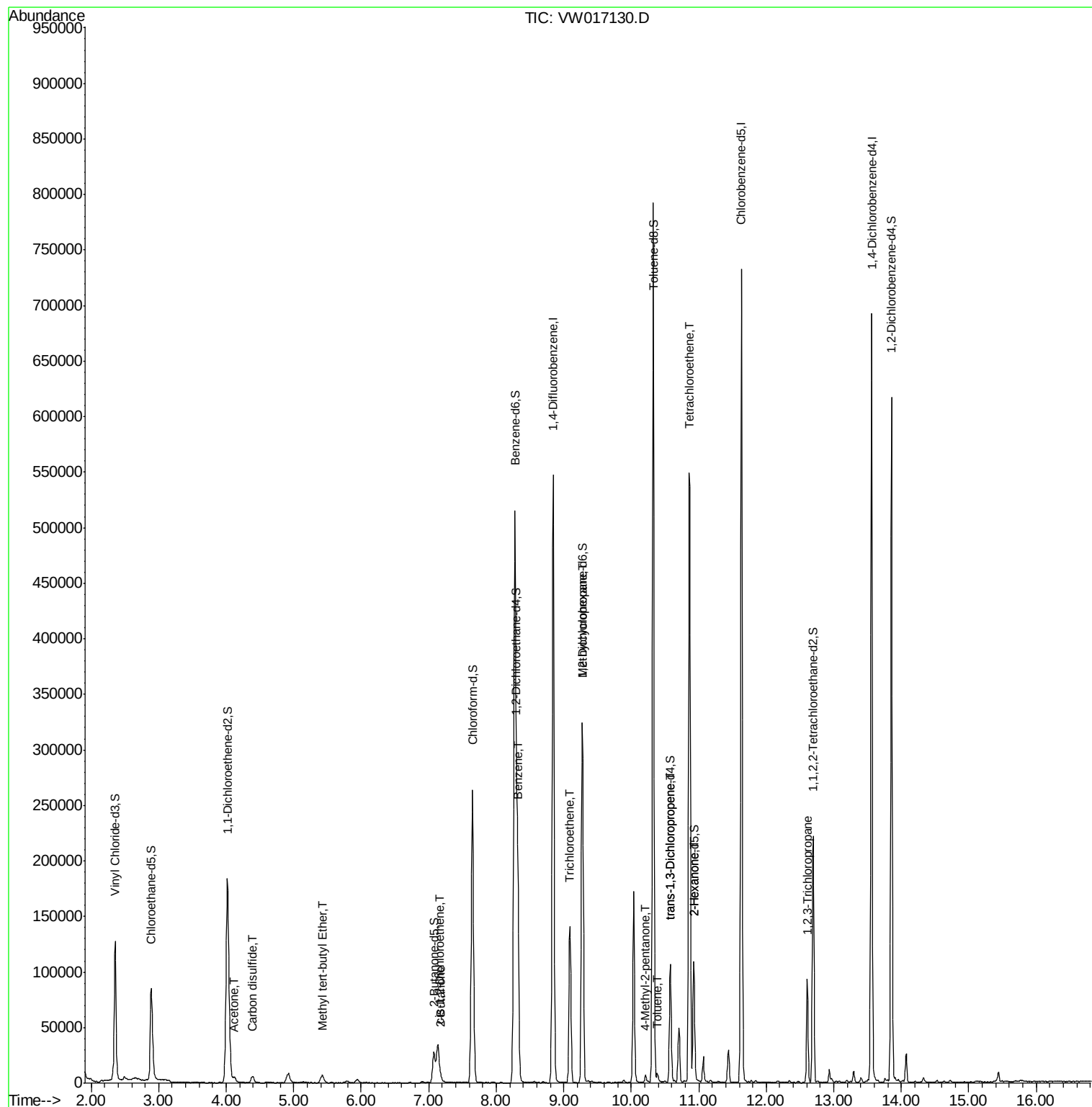
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	6913	7.495	ug/L	96
14) Carbon disulfide	4.39	76	9474	0.574	ug/L	100
17) Methyl tert-butyl Ether	5.43	73	10541	1.422	ug/L	95
21) 2-Butanone	7.18	43	1001	0.676	ug/L	84
22) cis-1,2-Dichloroethene	7.17	96	2433	0.366	ug/L	98
34) Benzene	8.32	78	106481	4.617	ug/L	100
35) Trichloroethene	9.09	95	48891	7.568	ug/L	97
36) Methylcyclohexane	9.27	83	39140	3.765	ug/L #	22
43) 4-Methyl-2-pentanone	10.21	43	4958	1.491	ug/L #	92
44) Toluene	10.39	91	5989	0.236	ug/L	90
45) trans-1,3-Dichloropropene	10.58	75	2830	0.386	ug/L #	79
47) Tetrachloroethene	10.87	164	134311	23.043	ug/L	95
49) 2-Hexanone	10.92	43	4528	2.258	ug/L #	62
59) 1,2,3-Trichloropropane	12.60	75	786	0.204	ug/L	88

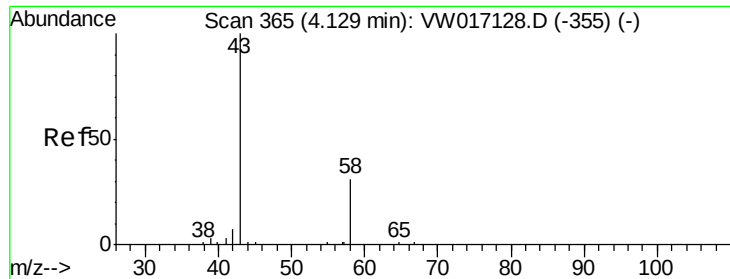
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111020\
Data File : VW017130.D
Acq On : 10 Nov 2020 11:16
Operator : SY/VA
Sample : L4659-13
Misc : 5.90G/10ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4B2

Quant Time: Nov 11 05:38:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 11 05:30:56 2020
Response via : Initial Calibration





#13

Acetone

Concen: 7.495 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW017130.D

Acq: 10 Nov 2020 11:16

Instrument :

MSVOA_W

ClientSampled :

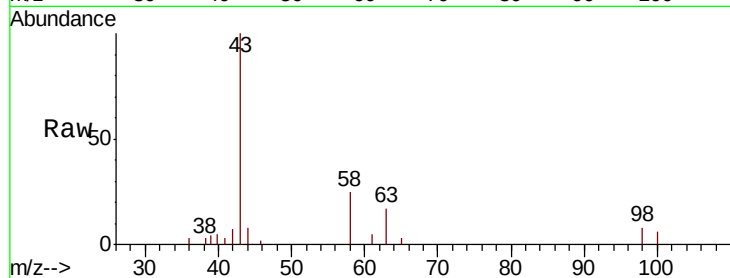
BG4B2

Tot Ion: 43 Resp: 6913

Ion Ratio Lower Upper

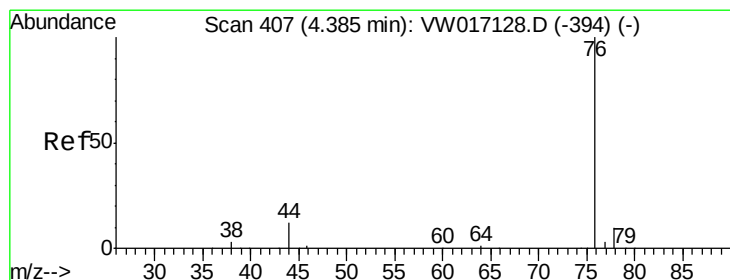
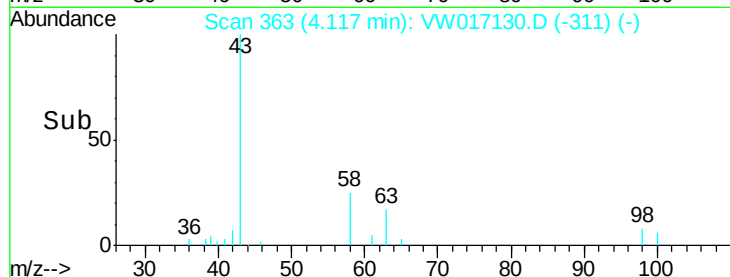
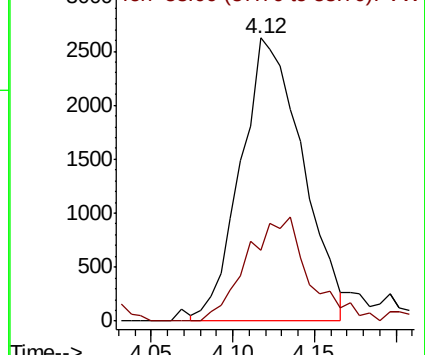
43 100

58 36.8 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.574 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017130.D

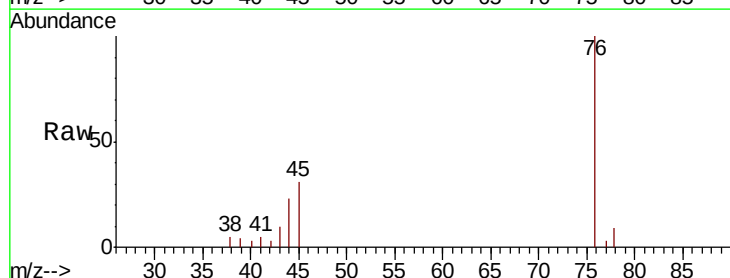
Acq: 10 Nov 2020 11:16

Tgt Ion: 76 Resp: 9474

Ion Ratio Lower Upper

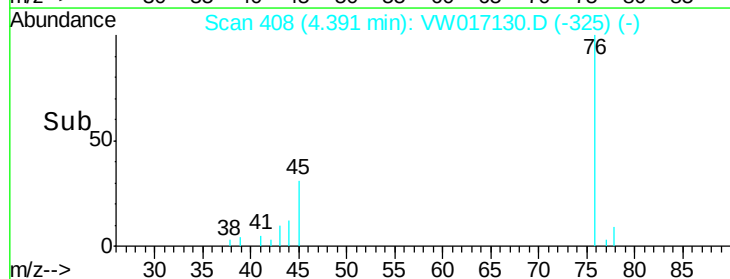
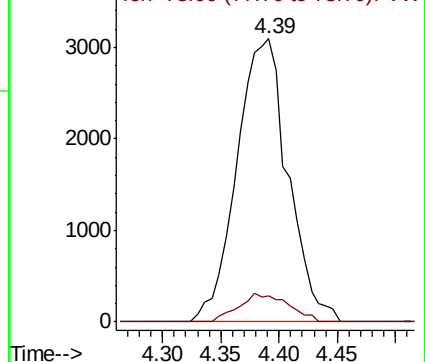
76 100

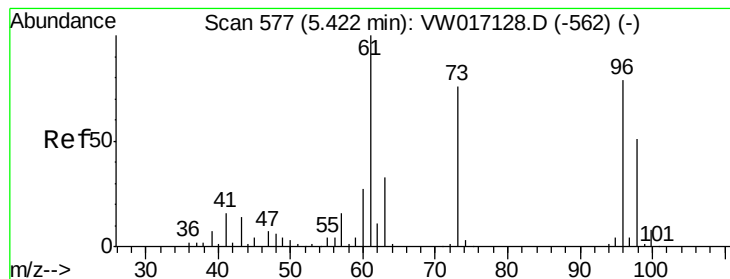
78 9.3 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#17

Methyl tert-butyl Ether

Concen: 1.422 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW017130.D

Acq: 10 Nov 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

BG4B2

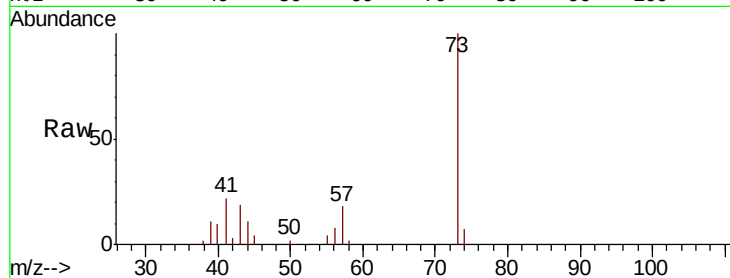
Tot Ion: 73 Resp: 10541

Ion Ratio Lower Upper

73 100

43 15.3 14.5 21.7

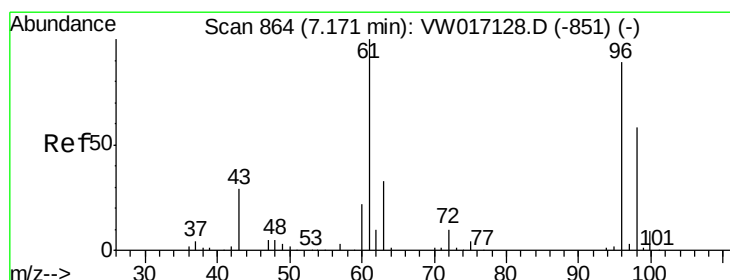
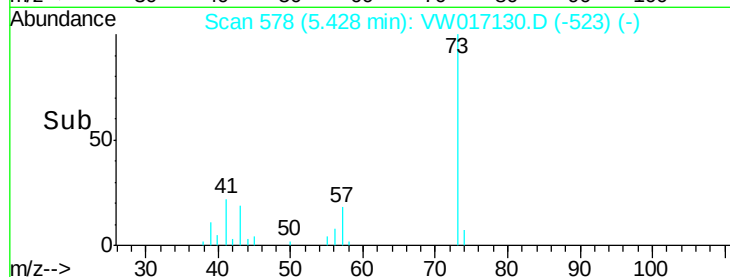
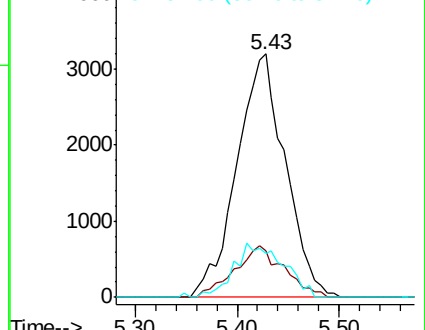
57 22.6 16.3 24.5



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



#21

2-Butanone

Concen: 0.676 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017130.D

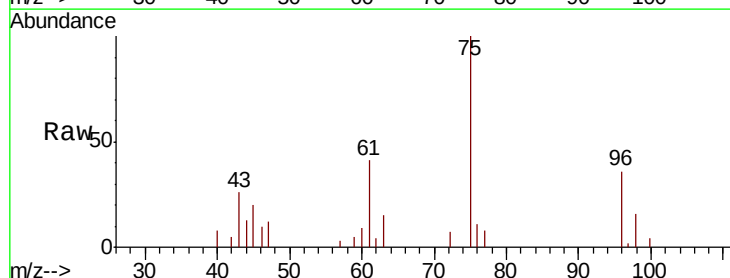
Acq: 10 Nov 2020 11:16

Tgt Ion: 43 Resp: 1001

Ion Ratio Lower Upper

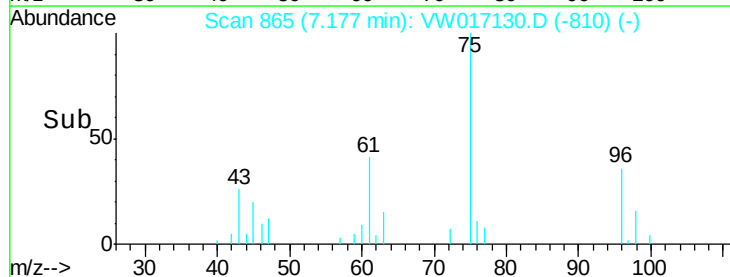
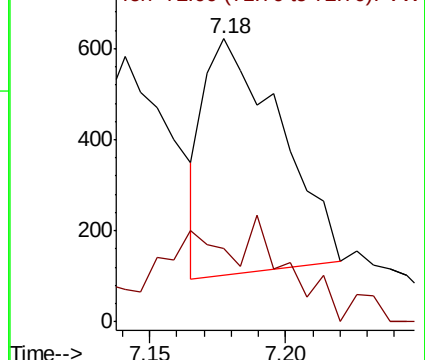
43 100

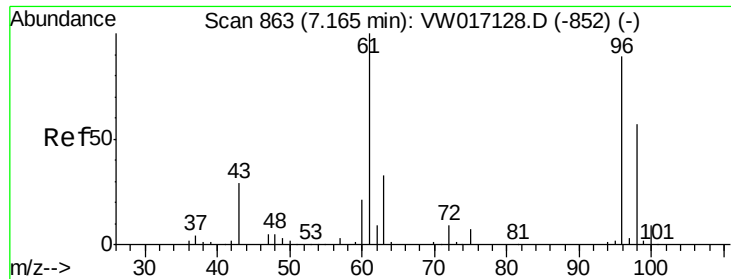
72 23.2 16.1 48.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#22

cis-1,2-Dichloroethene

Concen: 0.366 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW017130.D

Acq: 10 Nov 2020 11:16

Instrument :

MSVOA_W

ClientSampled :

BG4B2

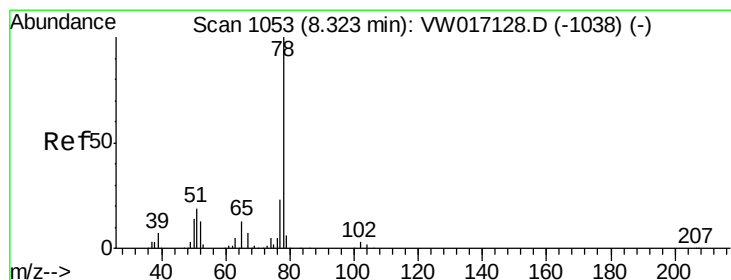
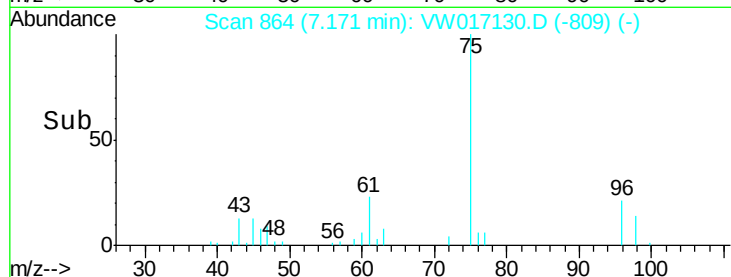
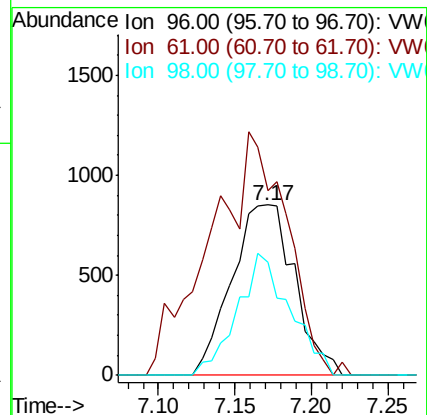
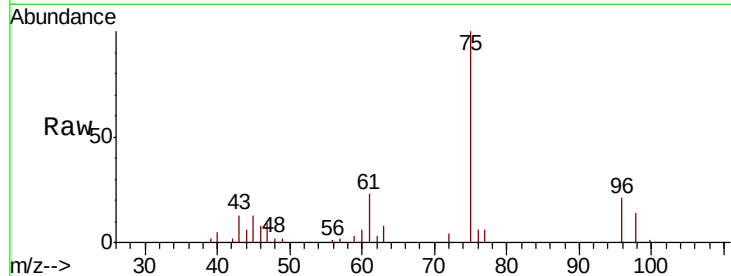
Tot Ion: 96 Resp: 2433

Ion Ratio Lower Upper

96 100

61 108.1 77.4 143.8

98 66.0 45.1 83.7



#34

Benzene

Concen: 4.617 ug/L

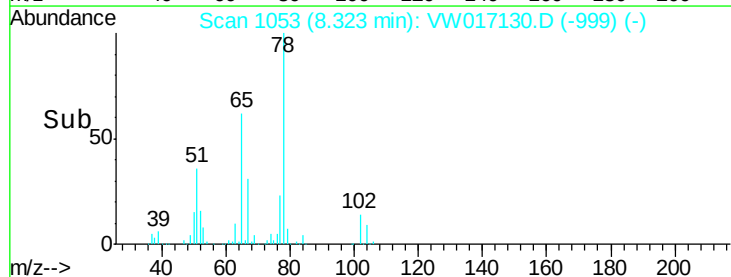
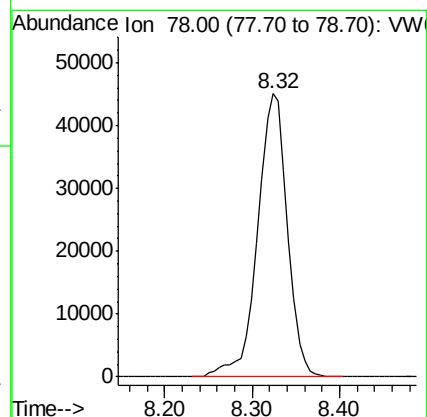
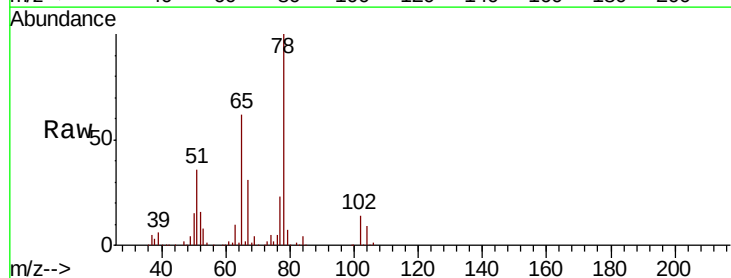
RT: 8.32 min Scan# 1053

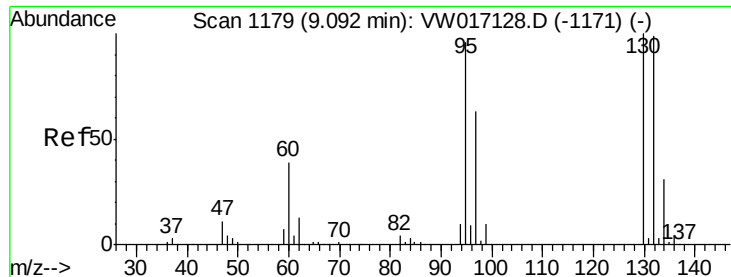
Delta R.T. 0.00 min

Lab File: VW017130.D

Acq: 10 Nov 2020 11:16

Tgt Ion: 78 Resp: 106481

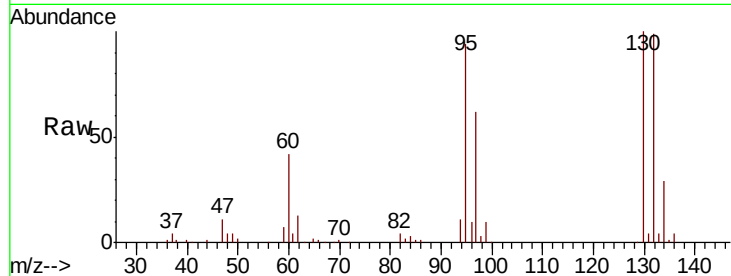




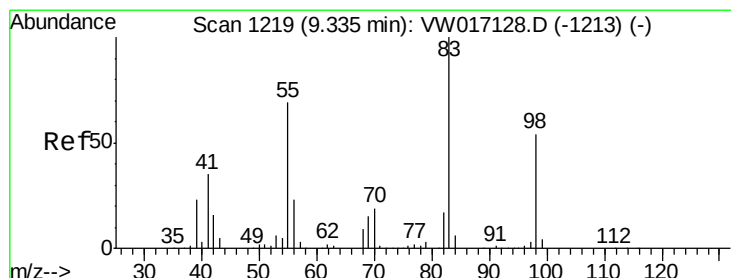
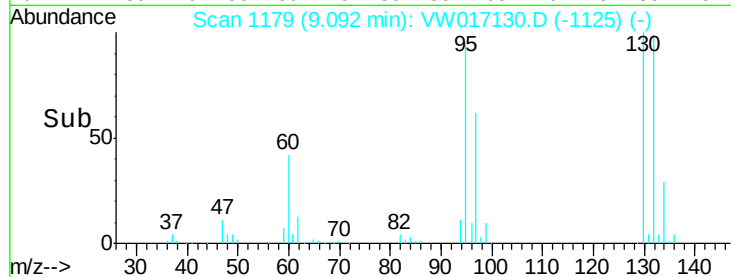
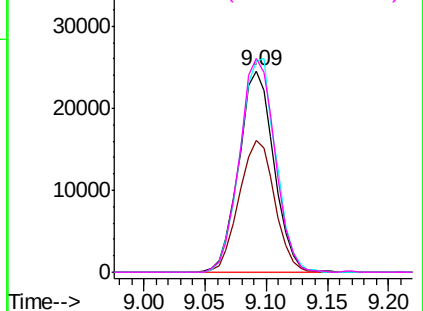
#35
 Trichloroethene
 Concen: 7.568 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW017130.D
 Acq: 10 Nov 2020 11:16

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4B2

Tot Ion: 95 Resp: 48891
 Ion Ratio Lower Upper
 95 100
 97 66.4 45.0 83.6
 132 108.4 73.7 136.9
 130 107.5 77.1 143.1

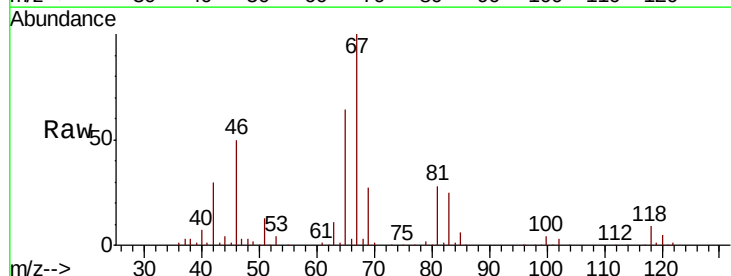


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

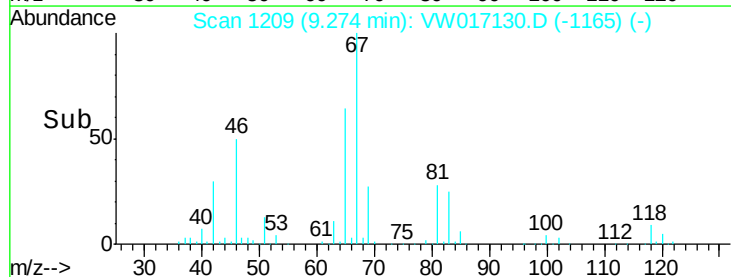
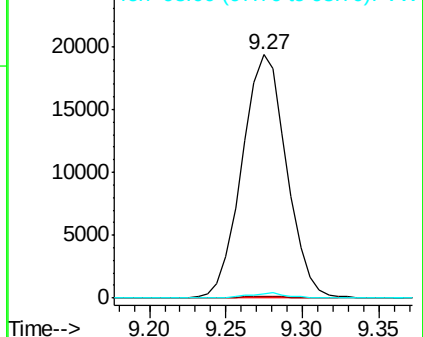


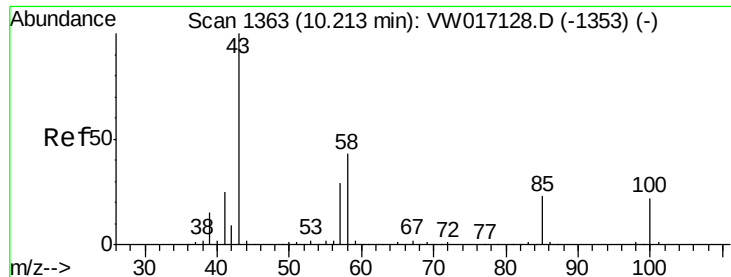
#36
 Methylcyclohexane
 Concen: 3.765 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.06 min
 Lab File: VW017130.D
 Acq: 10 Nov 2020 11:16

Tgt Ion: 83 Resp: 39140
 Ion Ratio Lower Upper
 83 100
 55 0.6 54.4 81.6#
 98 1.8 40.5 60.7#



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

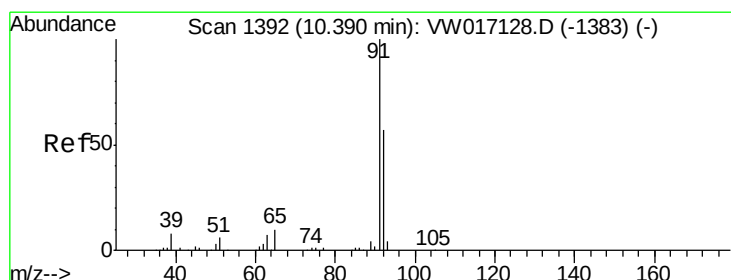
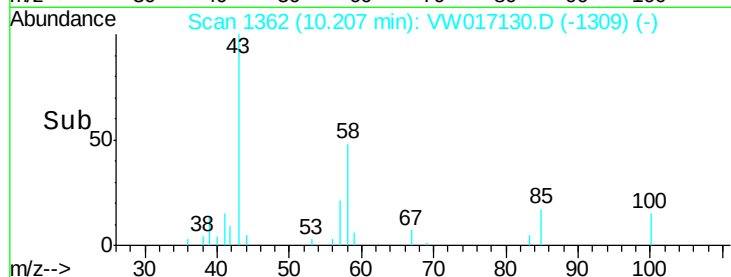
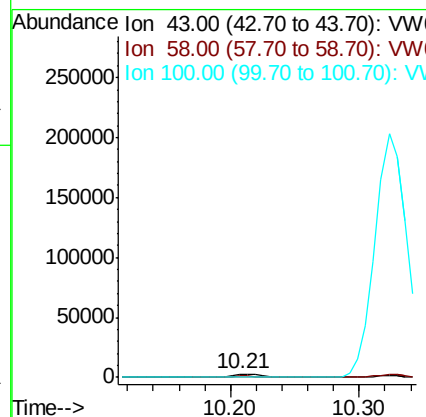
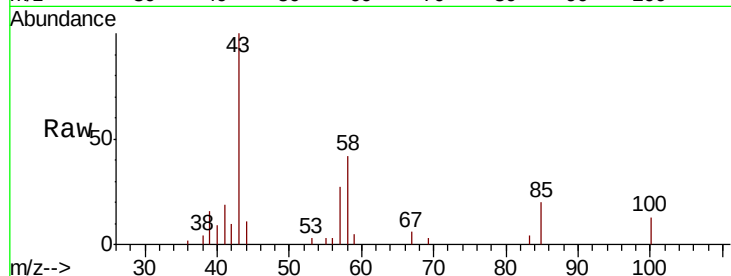




#43
4-Methyl-2-pentanone
Concen: 1.491 ug/L
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW017130.D
Acq: 10 Nov 2020 11:16

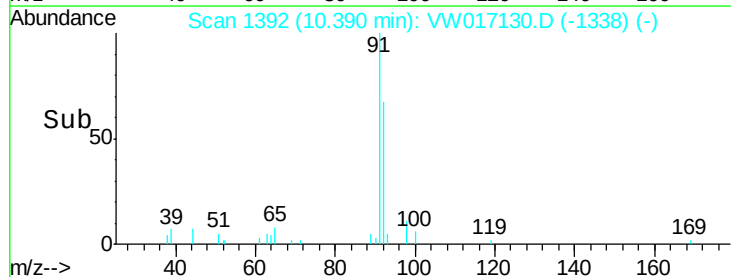
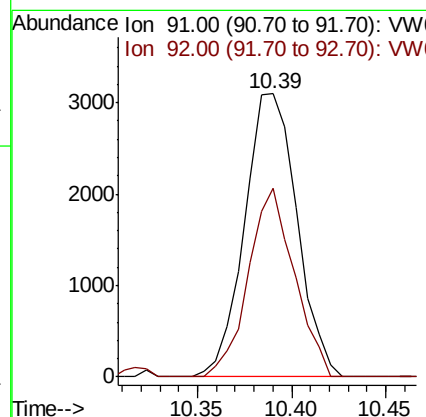
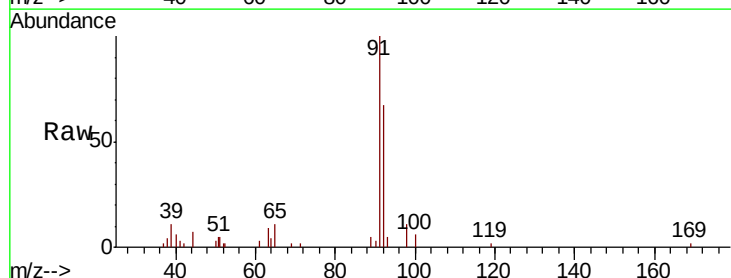
Instrument :
MSVOA_W
ClientSampled :
BG4B2

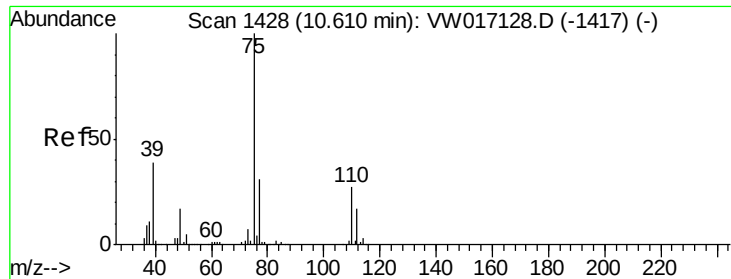
Tot Ion: 43 Resp: 4958
Ion Ratio Lower Upper
43 100
58 40.4 35.0 52.6
100 14.3 16.6 24.8#



#44
Toluene
Concen: 0.236 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW017130.D
Acq: 10 Nov 2020 11:16

Tgt Ion: 91 Resp: 5989
Ion Ratio Lower Upper
91 100
92 66.7 41.4 76.8

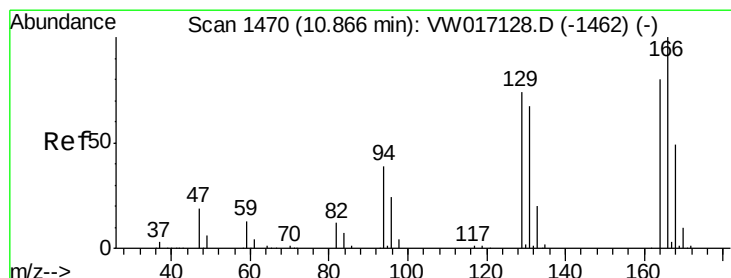
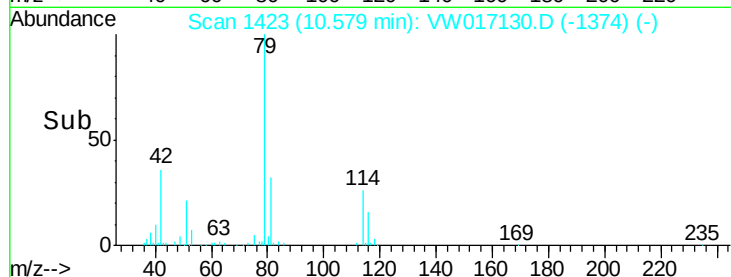
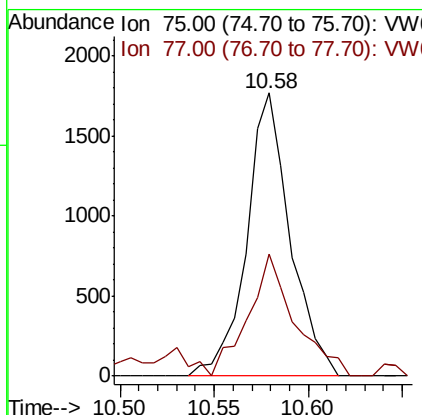
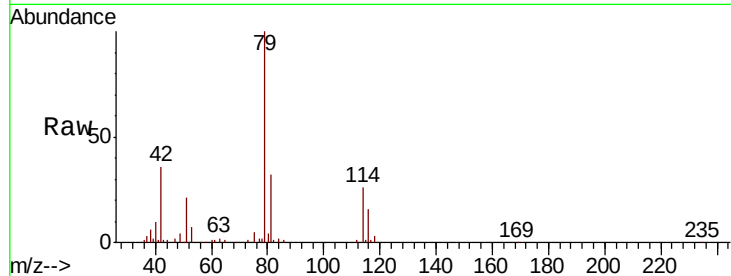




#45
trans-1,3-Dichloropropene
Concen: 0.386 ug/L
RT: 10.58 min Scan# 1423
Delta R.T. -0.03 min
Lab File: VW017130.D
Acq: 10 Nov 2020 11:16

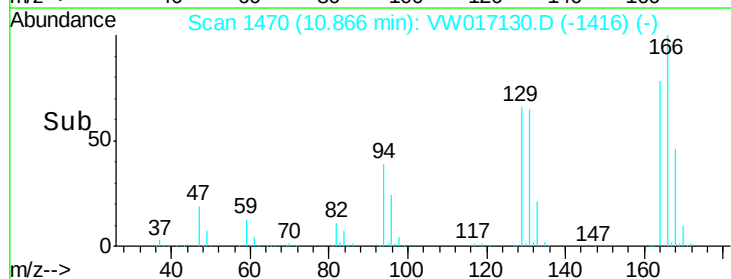
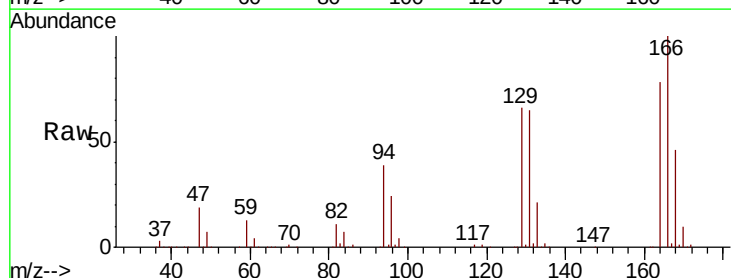
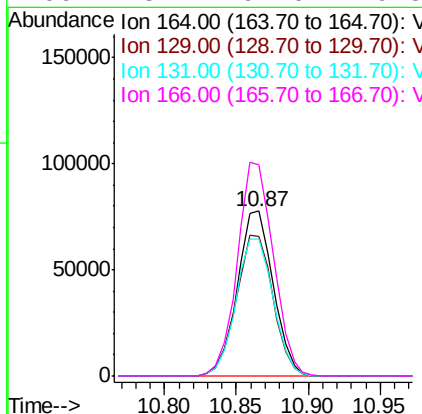
Instrument :
MSVOA_W
ClientSampleId :
BG4B2

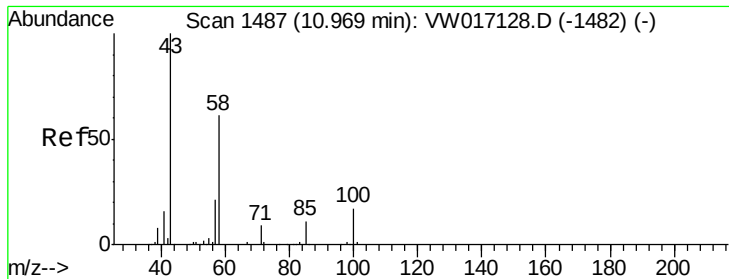
Tot Ion: 75 Resp: 2830
Ion Ratio Lower Upper
75 100
77 43.3 22.1 41.1#



#47
Tetrachloroethene
Concen: 23.043 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW017130.D
Acq: 10 Nov 2020 11:16

Tgt Ion: 164 Resp: 134311
Ion Ratio Lower Upper
164 100
129 84.9 62.9 116.7
131 83.3 63.3 117.5
166 128.1 92.0 170.8





#49

2-Hexanone

Concen: 2.258 ug/L

RT: 10.92 min Scan# 1479

Delta R.T. -0.05 min

Lab File: VW017130.D

Acq: 10 Nov 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

BG4B2

Tot Ion: 43 Resp: 4528

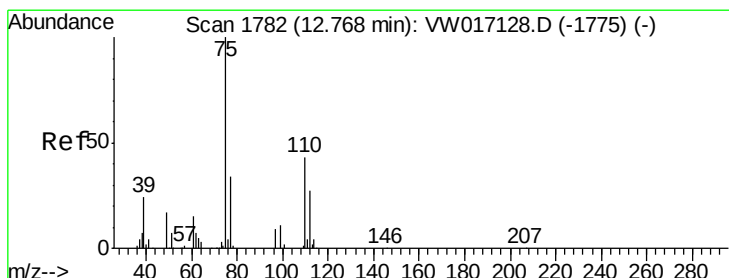
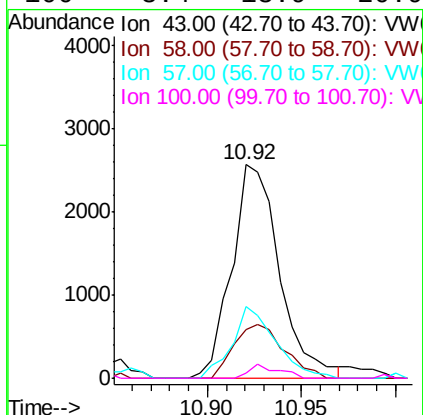
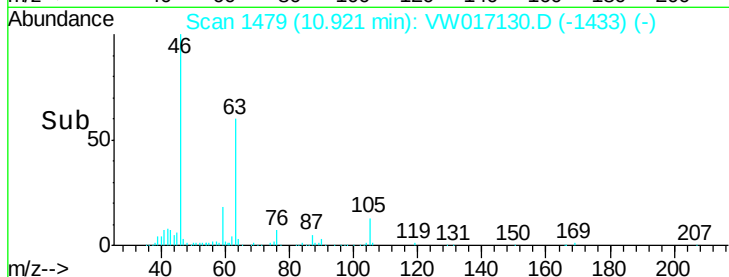
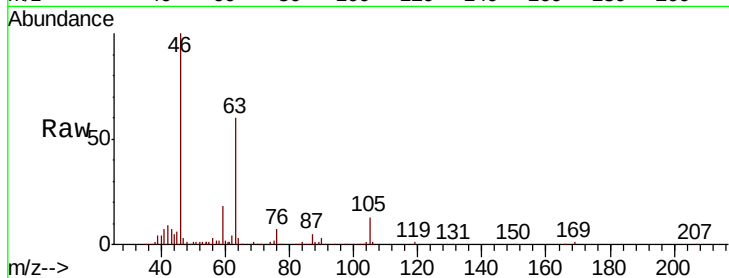
Ion Ratio Lower Upper

43 100

58 26.4 50.6 75.8#

57 30.5 17.8 26.6#

100 3.4 13.9 20.9#



#59

1,2,3-Trichloropropane

Concen: 0.204 ug/L

RT: 12.60 min Scan# 1755

Delta R.T. -0.16 min

Lab File: VW017130.D

Acq: 10 Nov 2020 11:16

Tgt Ion: 75 Resp: 786

Ion Ratio Lower Upper

75 100

77 26.5 26.4 39.6

