

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111720\
 Data File : VW017310.D
 Acq On : 18 Nov 2020 01:29
 Operator : SY/VA
 Sample : L4738-16
 Misc : 5.53G/10ML/MSVOA W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB0Y3

Quant Time: Nov 18 04:53:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 18 04:50:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	432335	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	352489	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	111499	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	93793	17.22	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.88%
7) Chloroethane-d5	2.89	69	86046	20.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.00%
10) 1,1-Dichloroethene-d2	4.02	63	138842	14.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	57.00%
20) 2-Butanone-d5	7.08	46	55812	45.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.66%
24) Chloroform-d	7.65	84	244812	24.26	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.04%
26) 1,2-Dichloroethane-d4	8.31	65	128748	25.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.64%
29) Benzene-d6	8.27	84	462572	25.77	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.08%
33) 1,2-Dichloropropane-d6	9.27	67	136510	27.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.96%
37) Toluene-d8	10.32	98	404233	23.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.52%
38) trans-1,3-Dichloropropene-	10.58	79	52702	23.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.16%
39) 2-Hexanone-d5	10.93	63	45720	52.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	111372	25.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.00%
61) 1,2-Dichlorobenzene-d4	13.86	152	102674	26.14	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.56%

Target Compounds

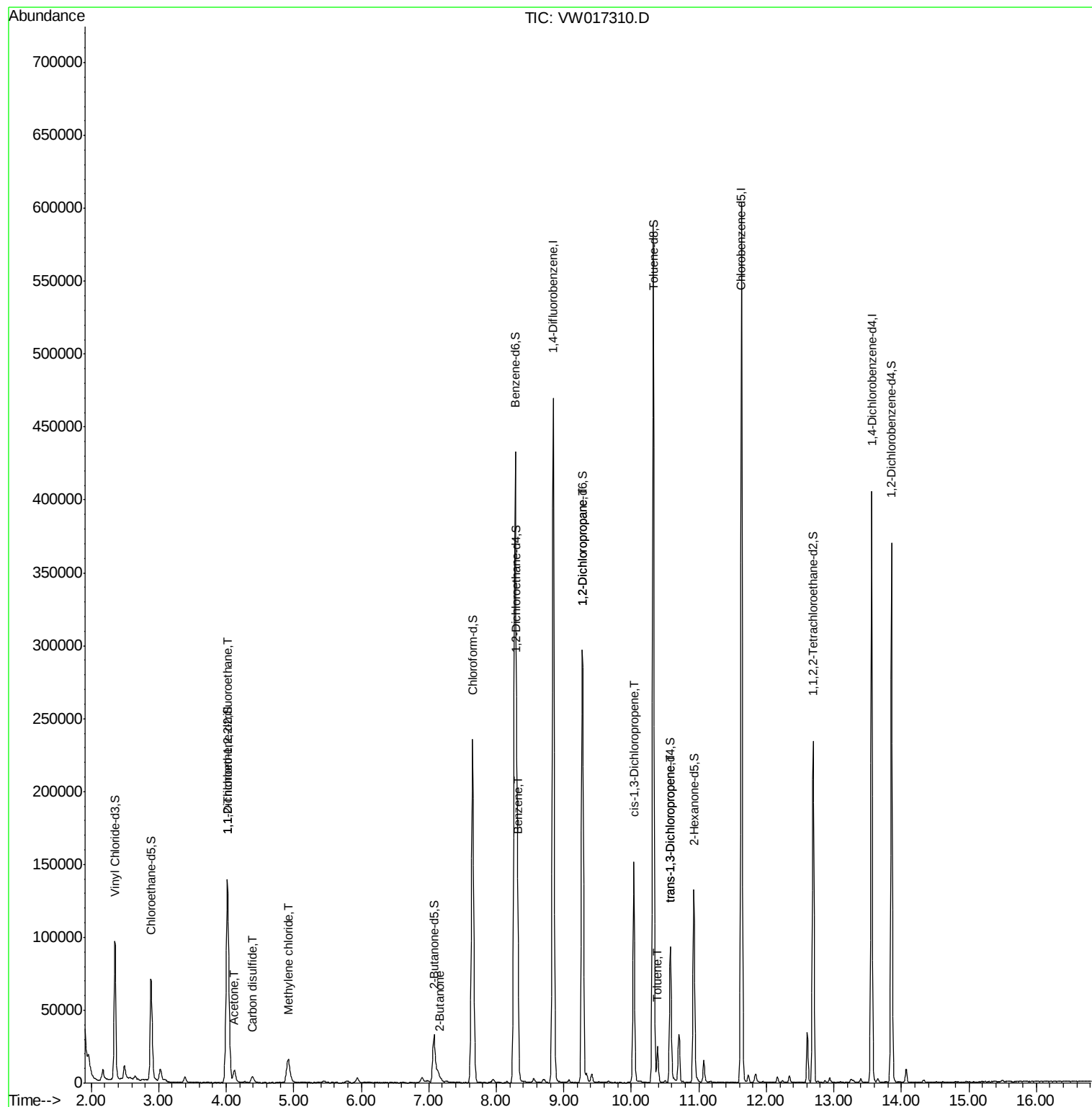
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	1444	0.259	ug/L #	17
13) Acetone	4.12	43	14448	17.719	ug/L	94
14) Carbon disulfide	4.38	76	6478	0.444	ug/L #	92
16) Methylene chloride	4.92	84	13846	2.375	ug/L	94
21) 2-Butanone	7.17	43	1153	0.881	ug/L #	42
34) Benzene	8.32	78	7488	0.405	ug/L	100
40) 1,2-Dichloropropane	9.27	63	15894	3.673	ug/L #	85
42) cis-1,3-Dichloropropene	10.03	75	4194	0.612	ug/L #	71
44) Toluene	10.39	91	17517	0.860	ug/L	93
45) trans-1,3-Dichloropropene	10.58	75	2393	0.407	ug/L #	76

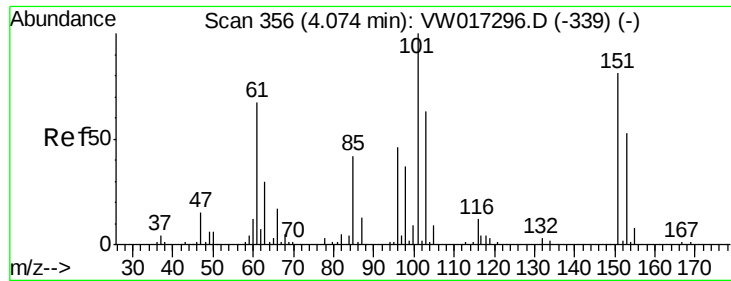
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW11720\
Data File : VW017310.D
Acq On : 18 Nov 2020 01:29
Operator : SY/VA
Sample : L4738-16
Misc : 5.53G/10ML/MSVOA W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_W
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GB0Y3

Quant Time: Nov 18 04:53:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 18 04:50:20 2020
Response via : Initial Calibration





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.259 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.06 min

Lab File: VW017310.D

Acq: 18 Nov 2020 01:29

Instrument :

MSVOA_W

ClientSampled :

GB0Y3

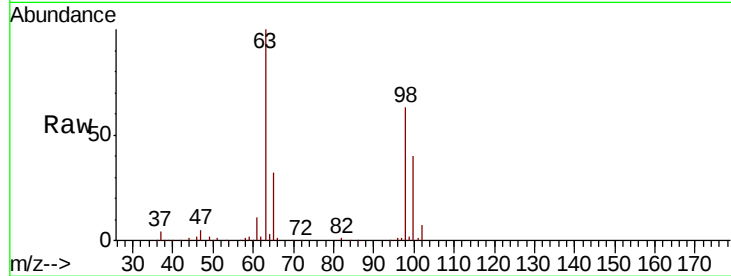
Tot Ion:101 Resp: 1444

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

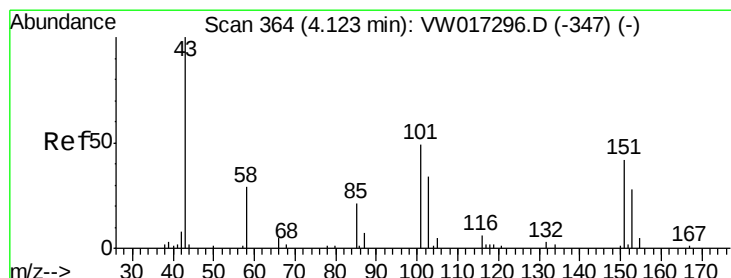
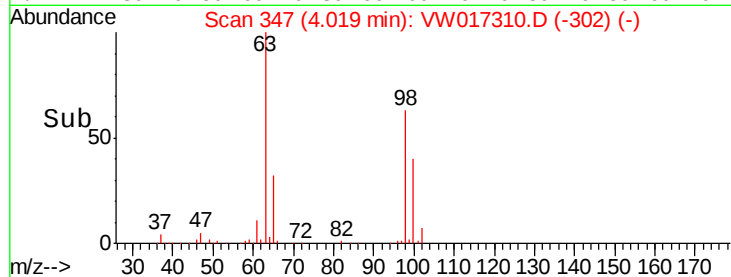
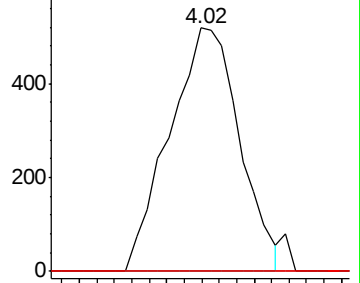
151 0.0 65.4 98.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 17.719 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW017310.D

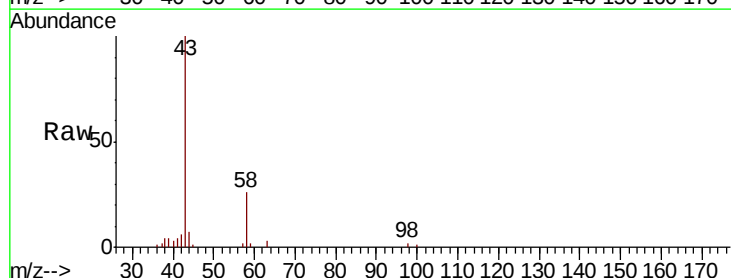
Acq: 18 Nov 2020 01:29

Tgt Ion: 43 Resp: 14448

Ion Ratio Lower Upper

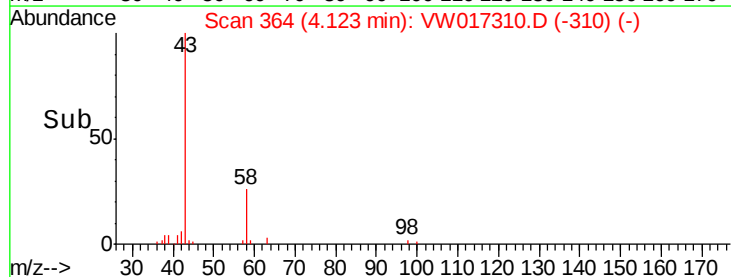
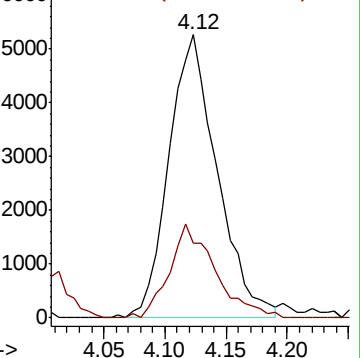
43 100

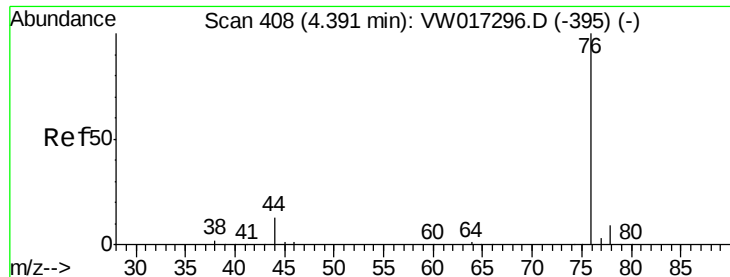
58 31.1 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#14

Carbon disulfide

Concen: 0.444 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW017310.D

Acq: 18 Nov 2020 01:29

Instrument :

MSVOA_W

ClientSampled :

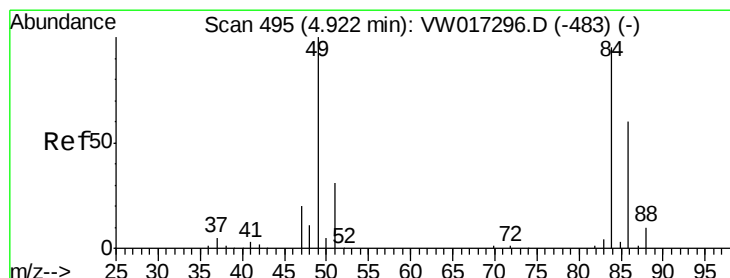
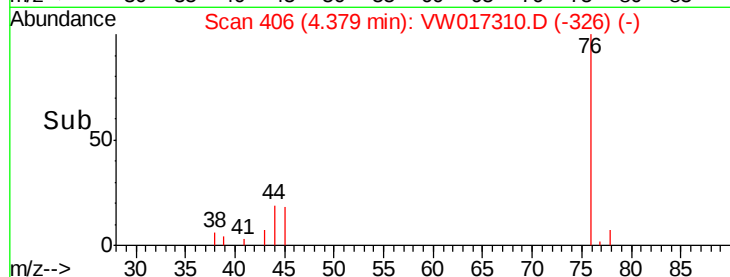
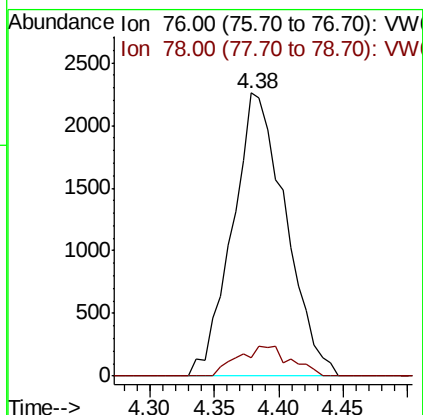
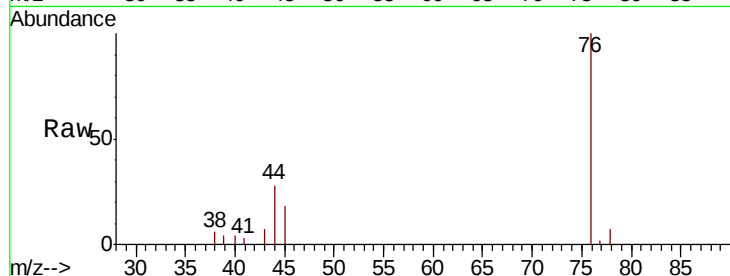
GB0Y3

Tot Ion: 76 Resp: 6478

Ion Ratio Lower Upper

76 100

78 6.5 7.6 11.4#



#16

Methylene chloride

Concen: 2.375 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW017310.D

Acq: 18 Nov 2020 01:29

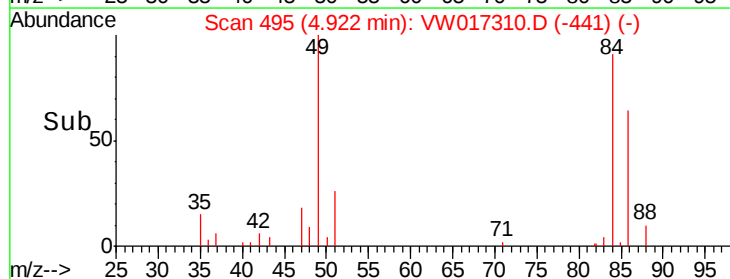
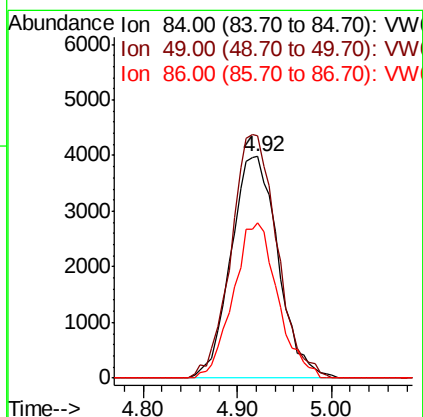
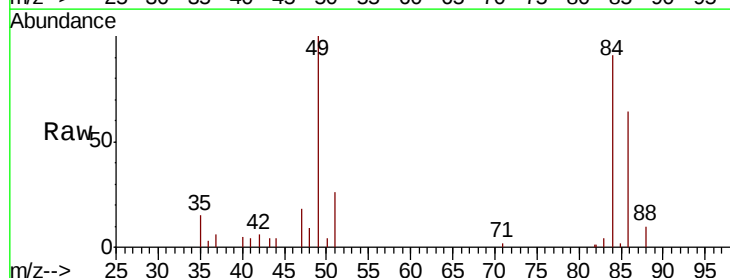
Tgt Ion: 84 Resp: 13846

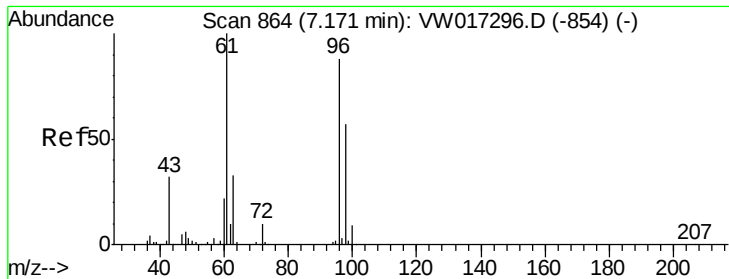
Ion Ratio Lower Upper

84 100

49 109.5 72.3 134.3

86 69.9 45.1 83.7





#21

2-Butanone

Concen: 0.881 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW017310.D

Acq: 18 Nov 2020 01:29

Instrument :

MSVOA_W

ClientSampled :

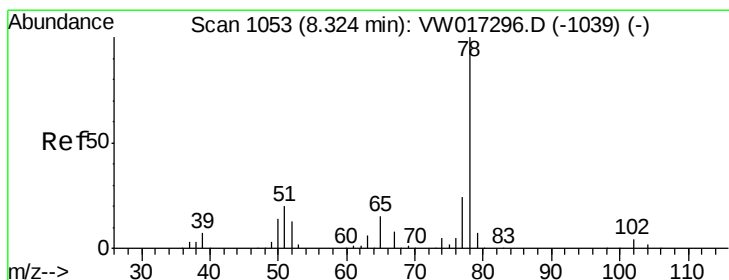
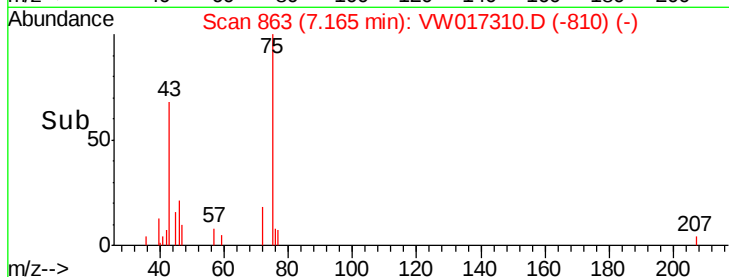
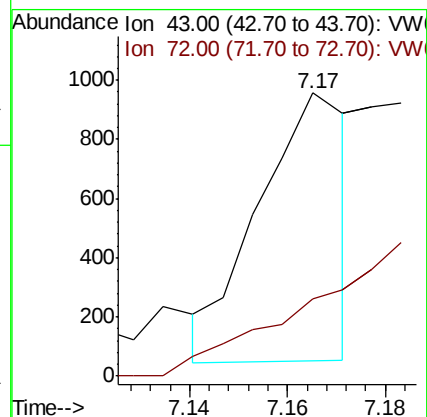
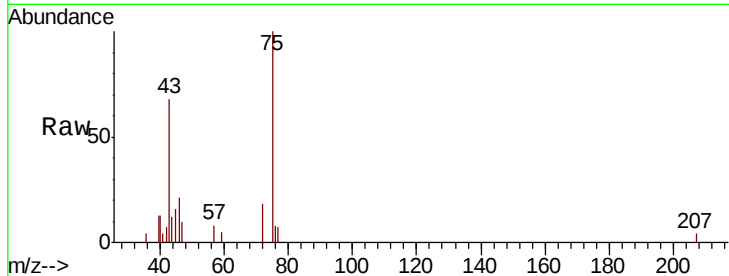
GB0Y3

Tot Ion: 43 Resp: 1153

Ion Ratio Lower Upper

43 100

72 0.0 16.1 48.3#



#34

Benzene

Concen: 0.405 ug/L

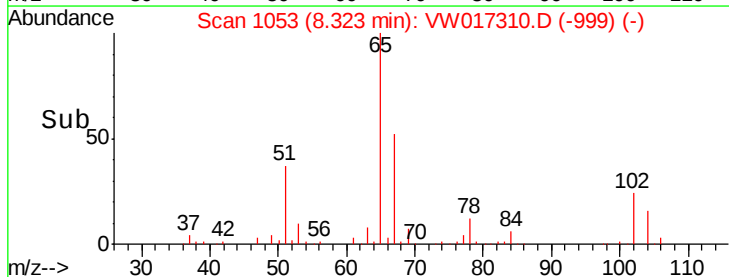
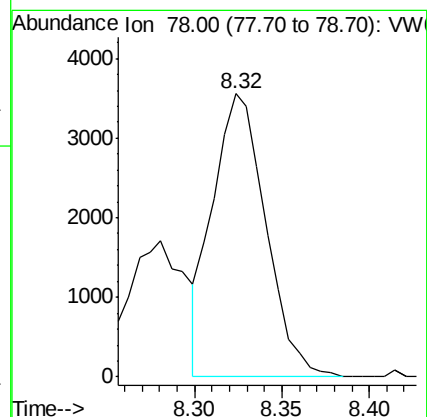
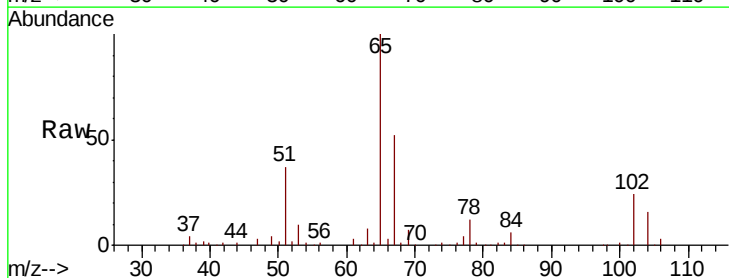
RT: 8.32 min Scan# 1053

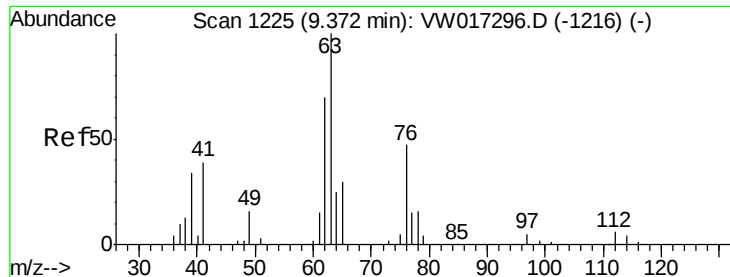
Delta R.T. -0.00 min

Lab File: VW017310.D

Acq: 18 Nov 2020 01:29

Tgt Ion: 78 Resp: 7488





#40

1,2-Dichloropropane

Concen: 3.673 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW017310.D

Acq: 18 Nov 2020 01:29

Instrument :

MSVOA_W

ClientSampleId :

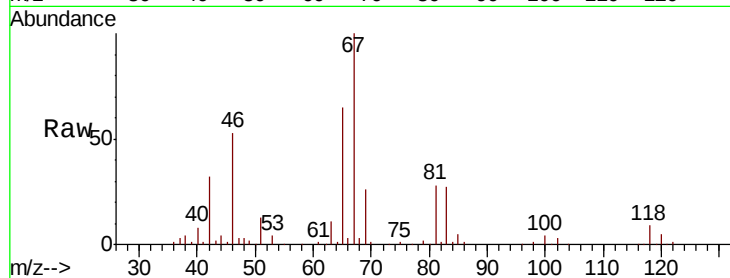
GB0Y3

Tot Ion: 63 Resp: 15894

Ion Ratio Lower Upper

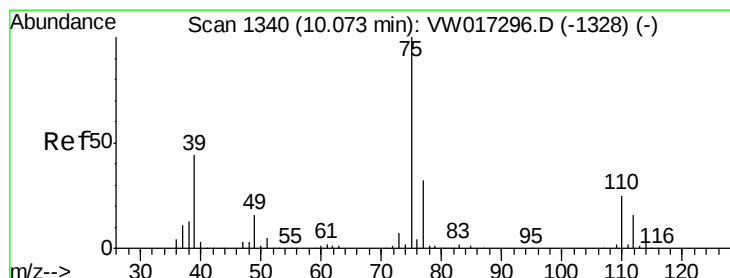
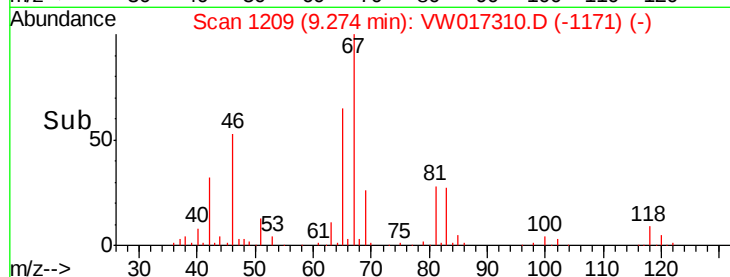
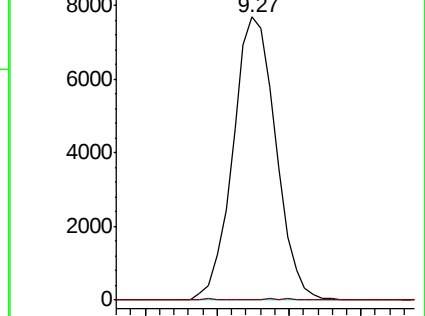
63 100

112 0.1 4.2 6.2#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.612 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW017310.D

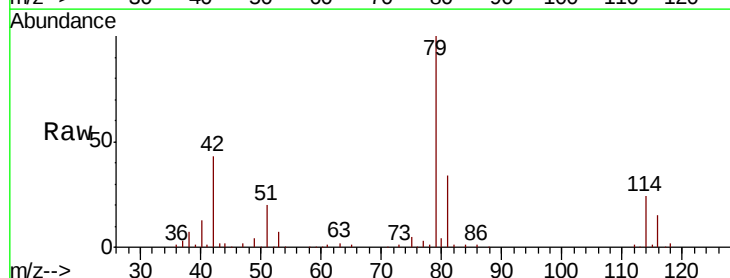
Acq: 18 Nov 2020 01:29

Tgt Ion: 75 Resp: 4194

Ion Ratio Lower Upper

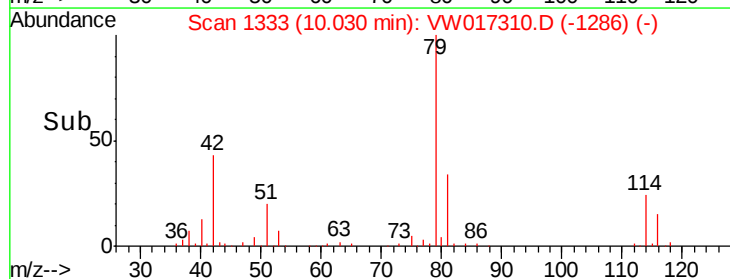
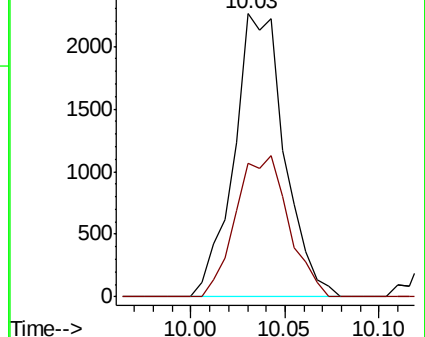
75 100

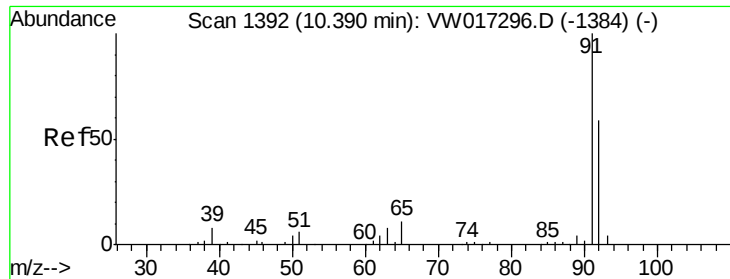
77 47.3 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 0.860 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017310.D

Acq: 18 Nov 2020 01:29

Instrument :

MSVOA_W

ClientSampled :

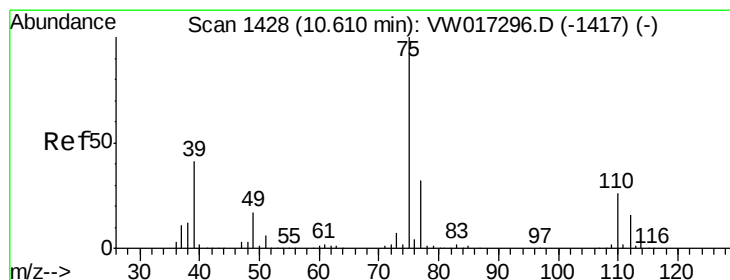
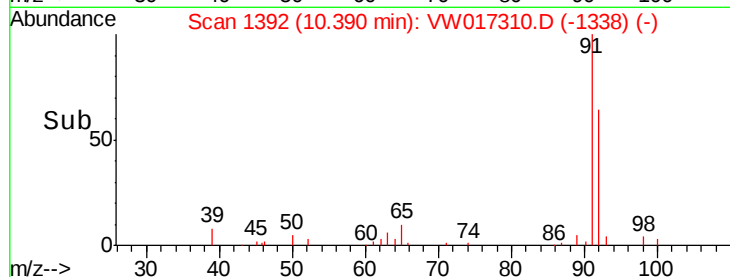
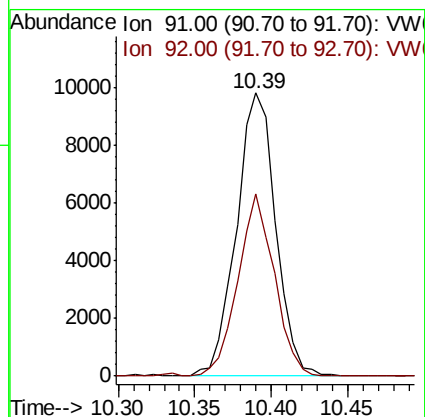
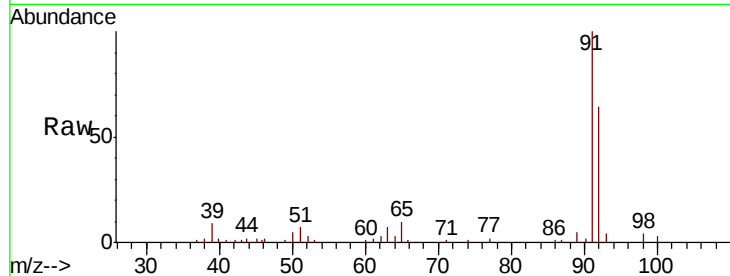
GB0Y3

Tot Ion: 91 Resp: 17517

Ion Ratio Lower Upper

91 100

92 64.3 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 0.407 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017310.D

Acq: 18 Nov 2020 01:29

Tgt Ion: 75 Resp: 2393

Ion Ratio Lower Upper

75 100

77 45.1 22.1 41.1#

