

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082620\
 Data File : VW016364.D
 Acq On : 26 Aug 2020 14:01
 Operator : SY/VA
 Sample : L3807-08
 Misc : 6.56G/10ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFW53

Quant Time: Aug 27 02:43:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 27 02:40:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	275923	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	224228	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	70441	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	34476	11.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	46.80%
7) Chloroethane-d5	2.89	69	32140	14.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.48%
10) 1,1-Dichloroethene-d2	4.01	63	64002	9.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	36.60%#
20) 2-Butanone-d5	7.08	46	30793	36.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.50%
24) Chloroform-d	7.65	84	130398	18.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	72.52%
26) 1,2-Dichloroethane-d4	8.31	65	67098	18.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	72.40%
29) Benzene-d6	8.28	84	215668	17.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	68.92%
33) 1,2-Dichloropropane-d6	9.27	67	70254	20.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	81.12%
37) Toluene-d8	10.33	98	177302	15.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	60.04%
38) trans-1,3-Dichloropropene-	10.58	79	27500	16.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	65.80%
39) 2-Hexanone-d5	10.93	63	23956	43.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	60815	21.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	51614	19.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	76.44%

Target Compounds

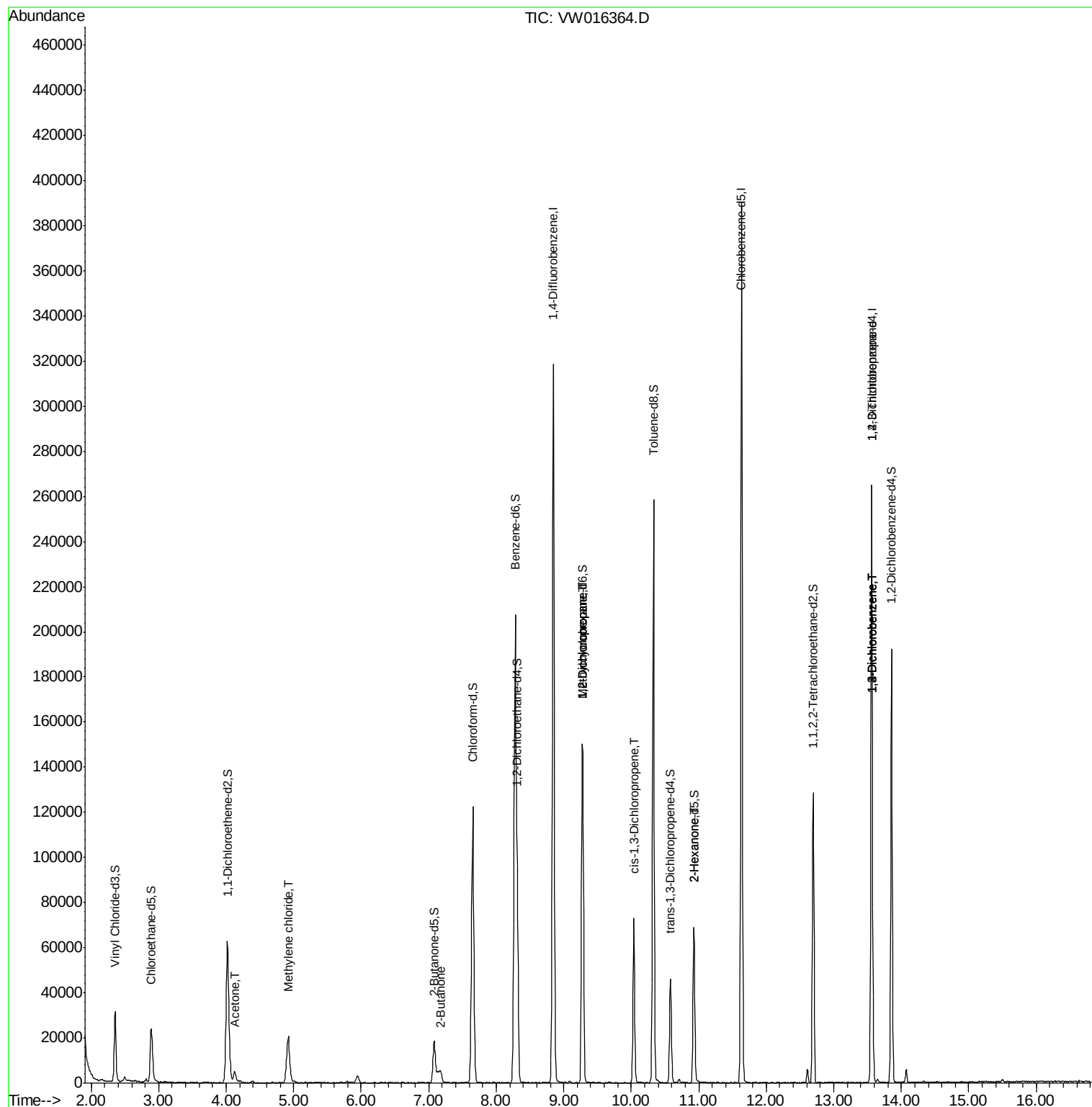
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.13	43	8541	12.283	ug/L	99
16) Methylene chloride	4.92	84	17710	3.472	ug/L	96
21) 2-Butanone	7.18	43	2458	2.481	ug/L	91
36) Methylcyclohexane	9.27	83	18579	3.125	ug/L #	21
40) 1,2-Dichloropropane	9.28	63	7925	2.620	ug/L #	84
42) cis-1,3-Dichloropropene	10.04	75	1937	0.391	ug/L #	81
49) 2-Hexanone	10.93	43	2839	2.423	ug/L #	62
59) 1,2,3-Trichloropropane	13.56	75	10589	4.908	ug/L	94
63) 1,3-Dichlorobenzene	13.58	146	9544	2.010	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	9544	1.985	ug/L	94
65) 1,2-Dichlorobenzene	13.58	146	9377	2.212	ug/L	98

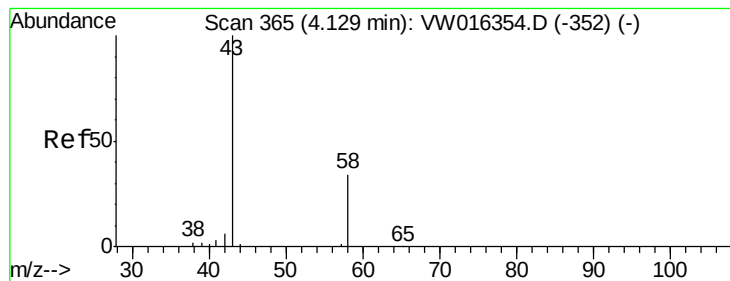
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BFWS3

Quant Time: Aug 27 02:43:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 27 02:40:32 2020
Response via : Initial Calibration





#13

Acetone

Concen: 12.283 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW016364.D

Acq: 26 Aug 2020 14:01

Instrument :

MSVOA_W

ClientSampleId :

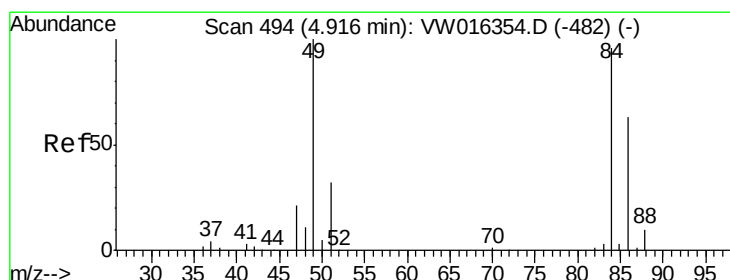
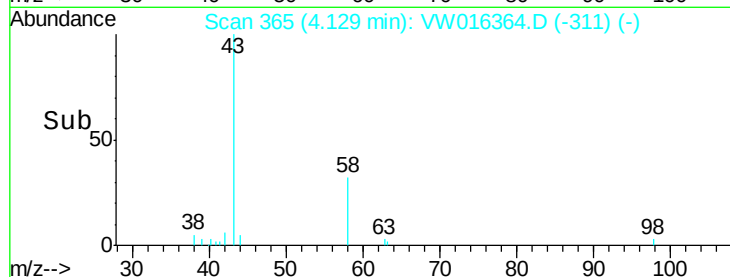
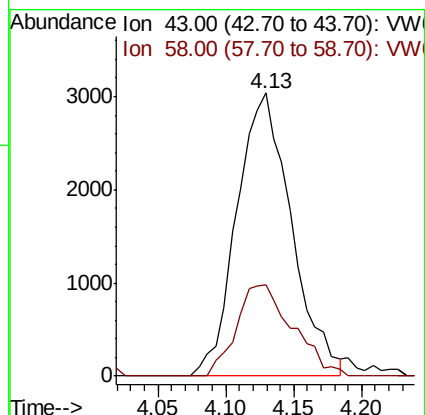
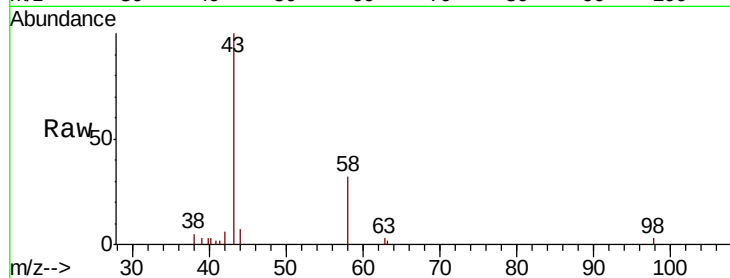
BFWS3

Tot Ion: 43 Resp: 8541

Ion Ratio Lower Upper

43 100

58 32.4 0.0 63.8



#16

Methylene chloride

Concen: 3.472 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW016364.D

Acq: 26 Aug 2020 14:01

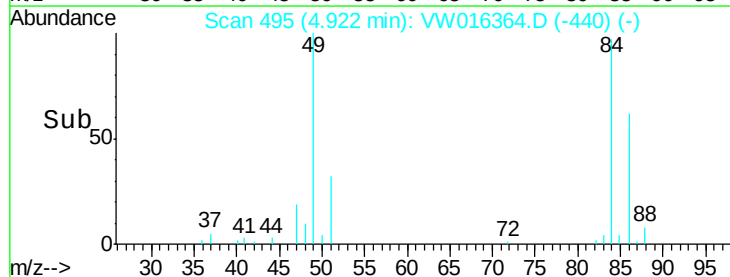
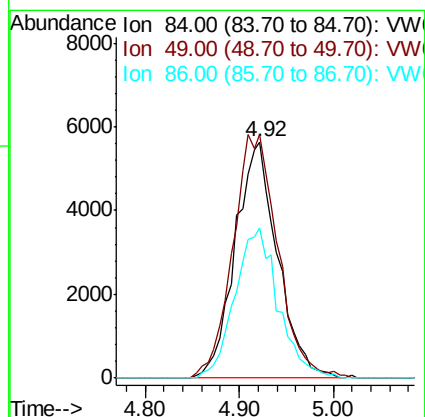
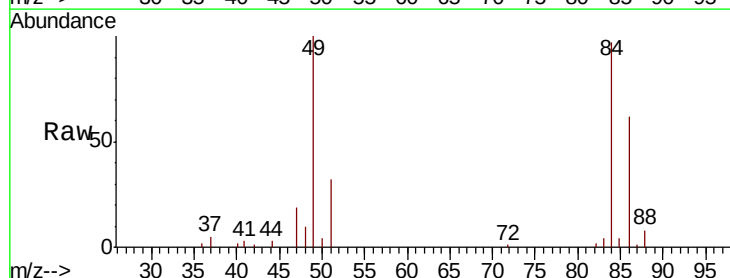
Tgt Ion: 84 Resp: 17710

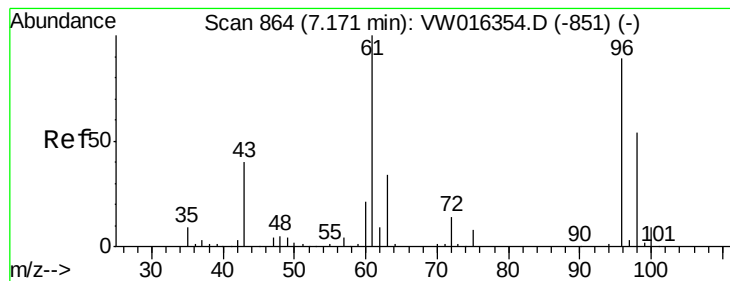
Ion Ratio Lower Upper

84 100

49 103.1 75.3 139.9

86 63.8 43.3 80.3





#21

2-Butanone

Concen: 2.481 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW016364.D

Acq: 26 Aug 2020 14:01

Instrument :

MSVOA_W

ClientSampled :

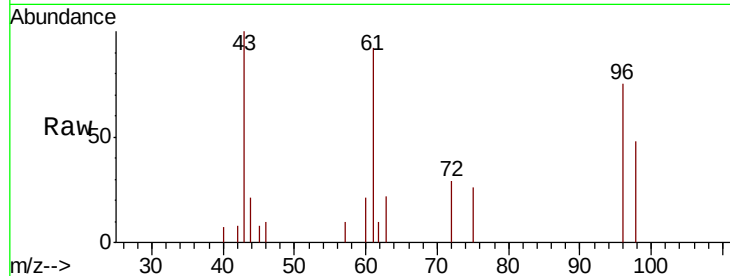
BFWS3

Tot Ion: 43 Resp: 2458

Ion Ratio Lower Upper

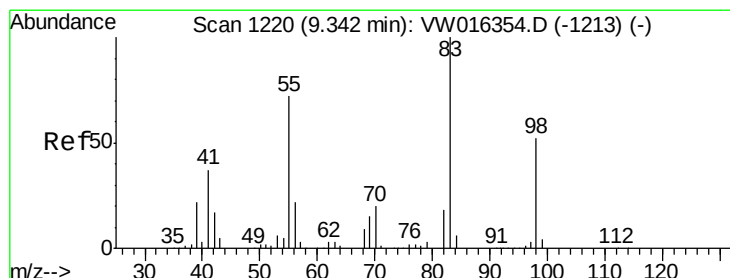
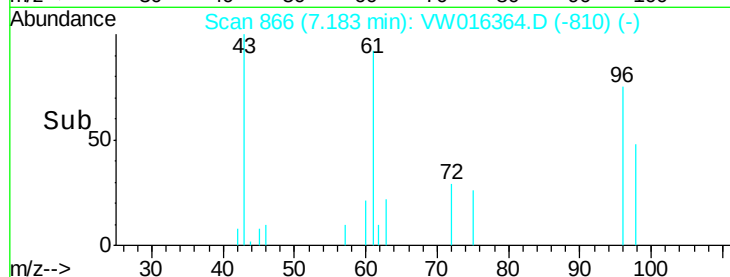
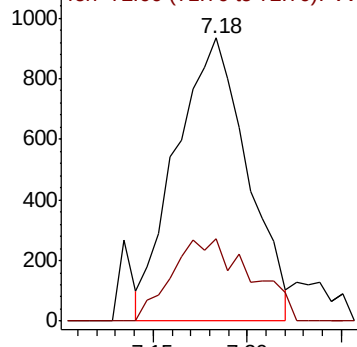
43 100

72 26.7 16.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#36

Methylcyclohexane

Concen: 3.125 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.07 min

Lab File: VW016364.D

Acq: 26 Aug 2020 14:01

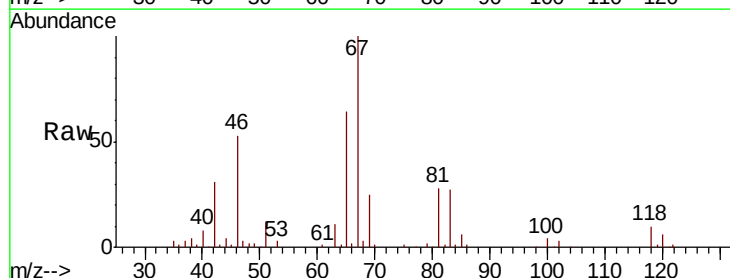
Tgt Ion: 83 Resp: 18579

Ion Ratio Lower Upper

83 100

55 0.0 55.6 83.4#

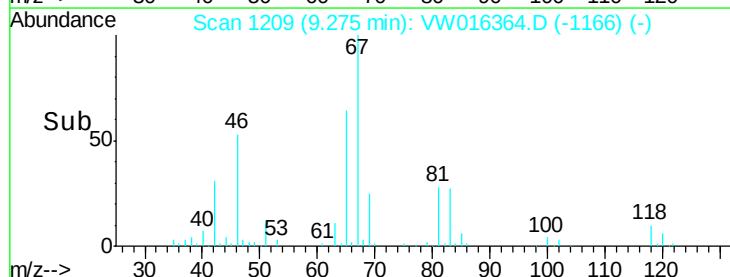
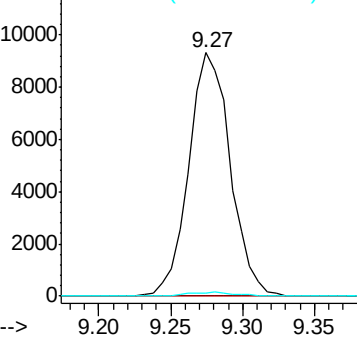
98 1.6 40.6 61.0#

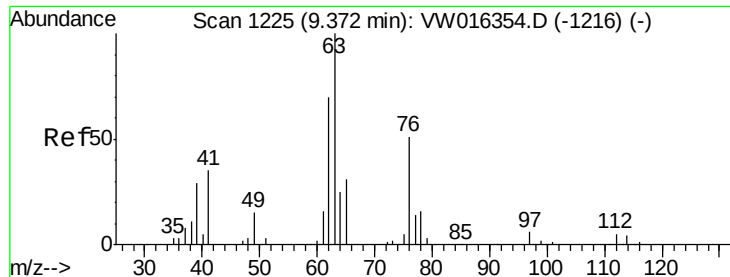


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 2.620 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW016364.D

Acq: 26 Aug 2020 14:01

Instrument :

MSVOA_W

ClientSampleId :

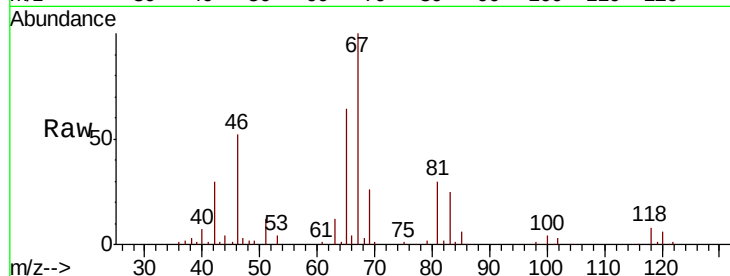
BFWS3

Tot Ion: 63 Resp: 7925

Ion Ratio Lower Upper

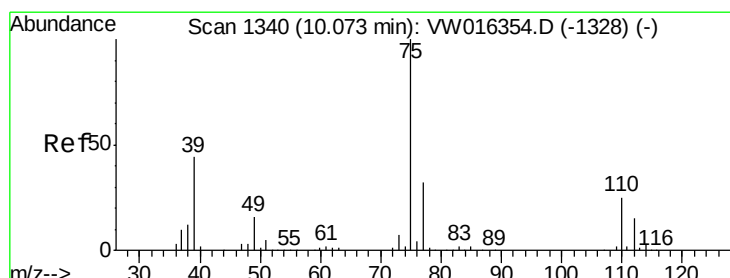
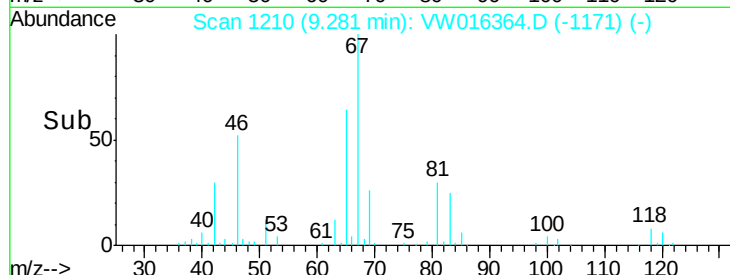
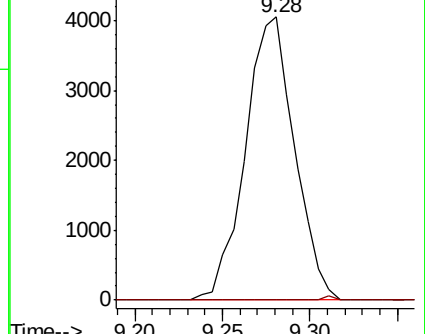
63 100

112 0.0 4.4 6.6#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#42

cis-1,3-Dichloropropene

Concen: 0.391 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016364.D

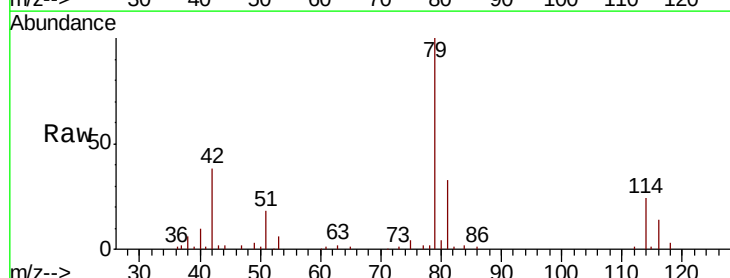
Acq: 26 Aug 2020 14:01

Tgt Ion: 75 Resp: 1937

Ion Ratio Lower Upper

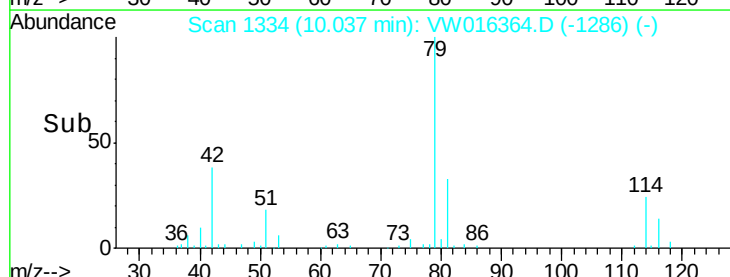
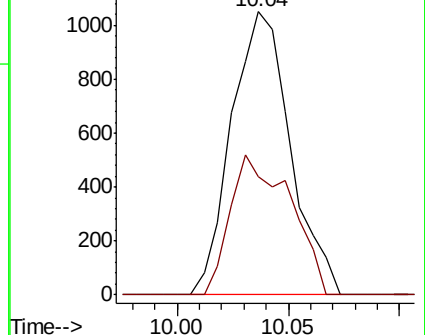
75 100

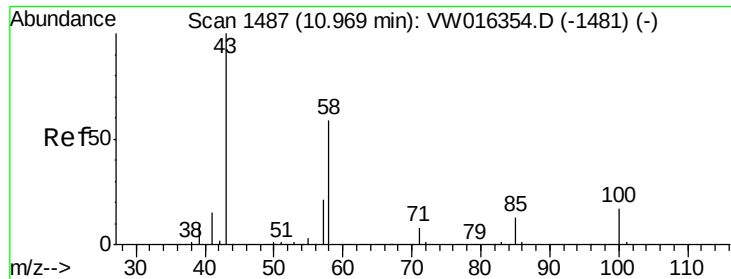
77 41.7 22.0 40.8#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

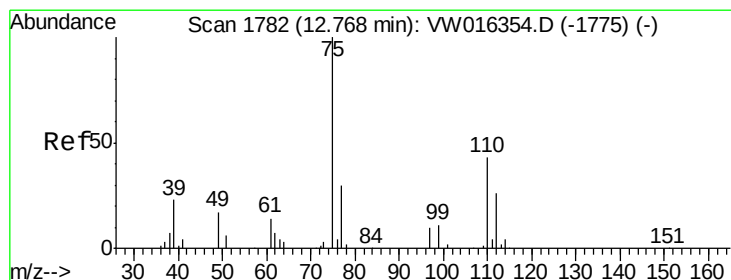
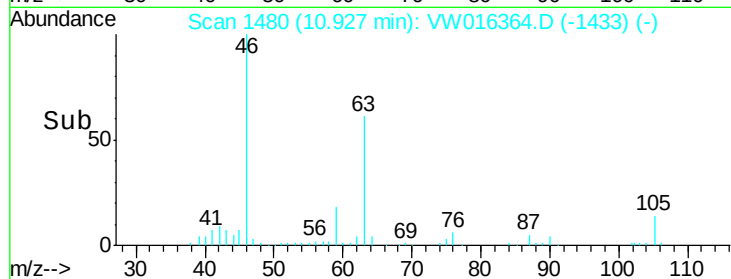
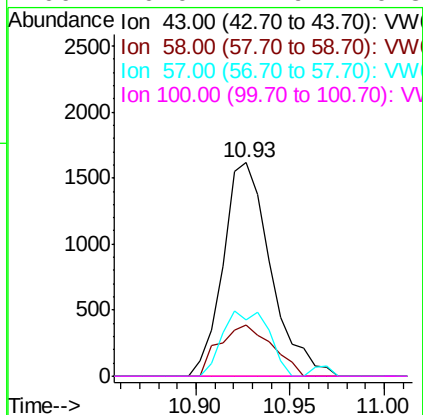
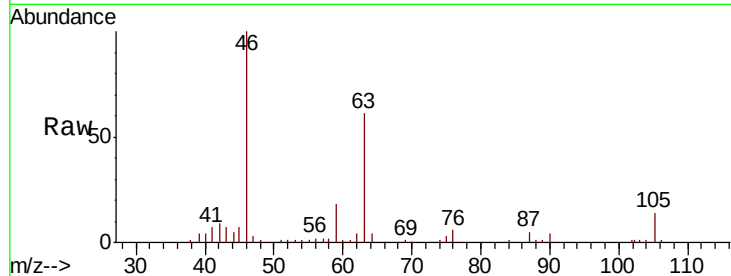




#49
2-Hexanone
Concen: 2.423 ug/L
RT: 10.93 min Scan# 1480
Delta R.T. -0.04 min
Lab File: VW016364.D
Acq: 26 Aug 2020 14:01

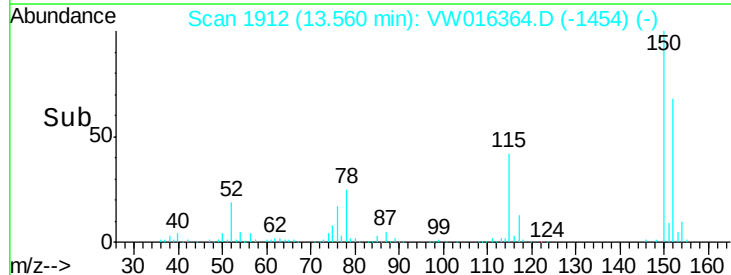
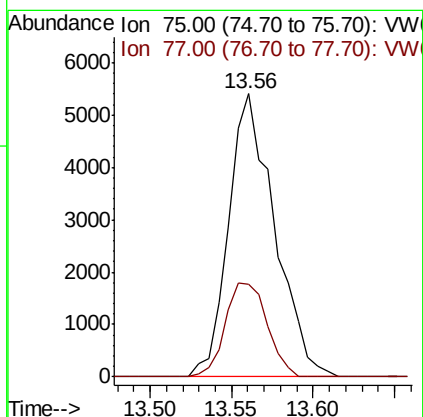
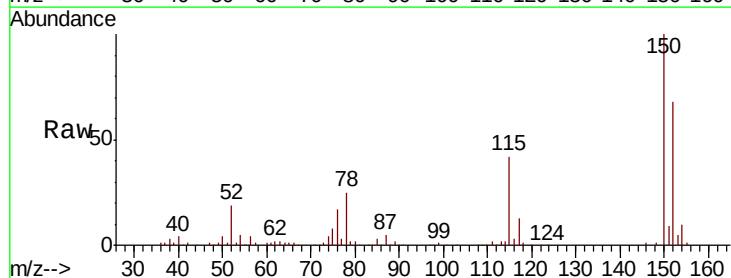
Instrument :
MSVOA_W
ClientSampled :
BFS3

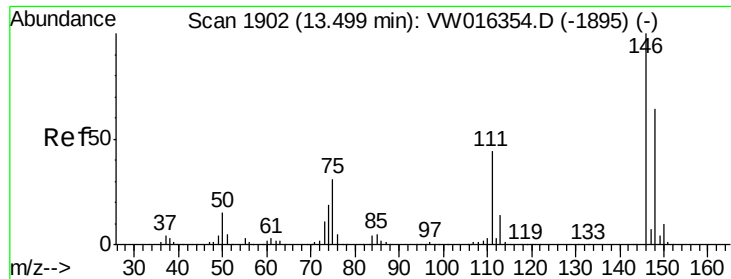
Tot Ion: 43 Resp: 2839
Ion Ratio Lower Upper
43 100
58 26.8 49.5 74.3#
57 29.6 17.7 26.5#
100 0.0 12.9 19.3#



#59
1,2,3-Trichloropropane
Concen: 4.908 ug/L
RT: 13.56 min Scan# 1912
Delta R.T. 0.79 min
Lab File: VW016364.D
Acq: 26 Aug 2020 14:01

Tgt Ion: 75 Resp: 10589
Ion Ratio Lower Upper
75 100
77 30.3 27.1 40.7





#63

1,3-Dichlorobenzene

Concen: 2.010 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.08 min

Lab File: VW016364.D

Acq: 26 Aug 2020 14:01

Instrument :

MSVOA_W

ClientSampleId :

BFWS3

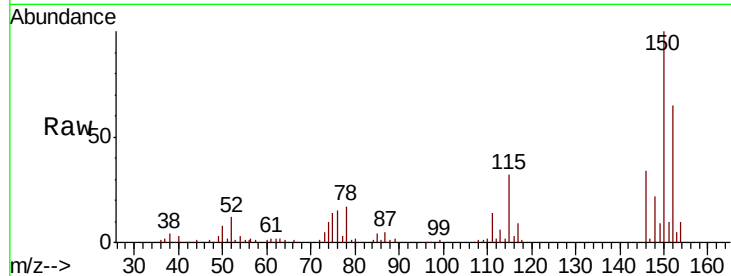
Tot Ion:146 Resp: 9544

Ion Ratio Lower Upper

146 100

111 42.6 30.2 56.2

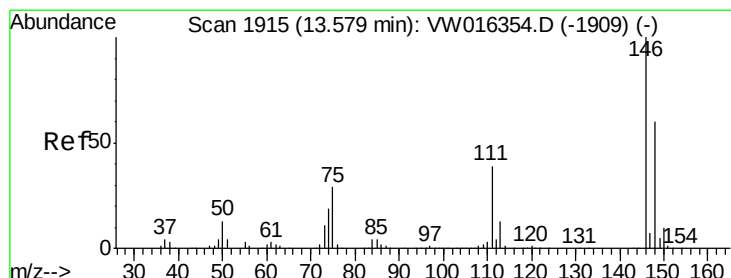
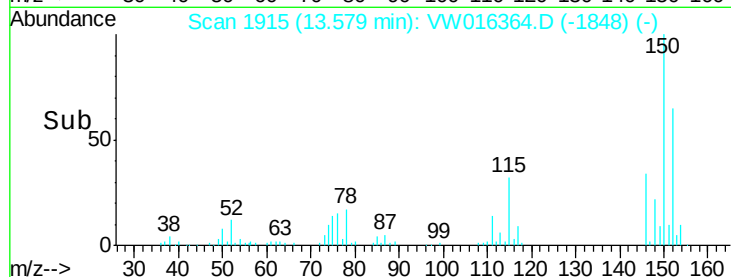
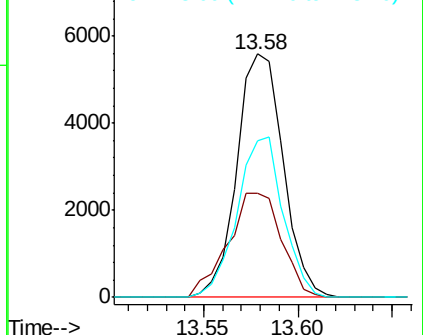
148 64.4 45.1 83.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 1.985 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW016364.D

Acq: 26 Aug 2020 14:01

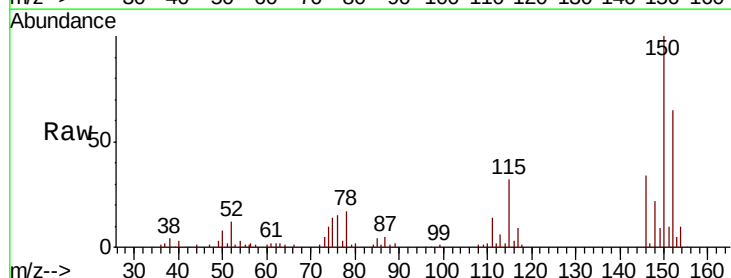
Tgt Ion:146 Resp: 9544

Ion Ratio Lower Upper

146 100

111 42.6 28.0 52.0

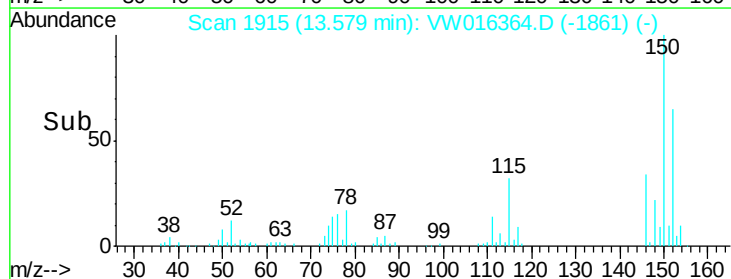
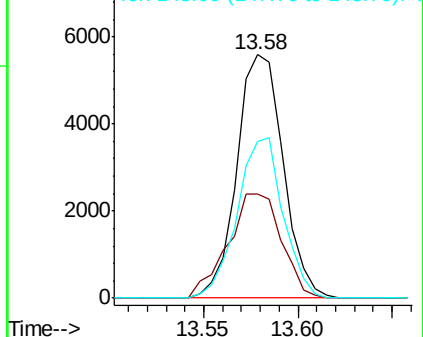
148 64.4 41.4 76.8

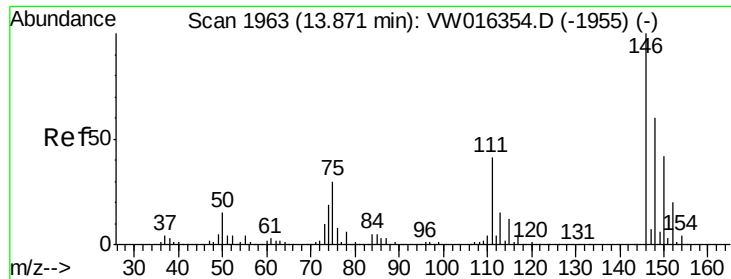


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

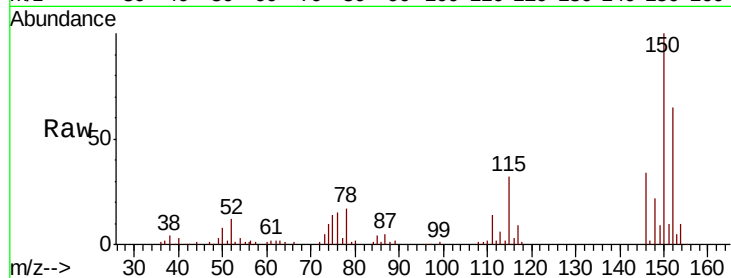




#65
 1,2-Dichlorobenzene
 Concen: 2.212 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.29 min
 Lab File: VW016364.D
 Acq: 26 Aug 2020 14:01

Instrument :
 MSVOA_W
 ClientSampleId :
 BFWS3

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	36.9	55.3
148	64.4	51.4	77.2



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

