

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011221\
 Data File : VW017830.D
 Acq On : 12 Jan 2021 13:07
 Operator : SY/VA
 Sample : M1074-14
 Misc : 4.13G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 13 03:21:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 08 21:58:14 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	326284	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	296675	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	139252	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	132926	26.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.32%
7) Chloroethane-d5	2.89	69	109472	26.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.08%
10) 1,1-Dichloroethene-d2	4.02	63	175516	19.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.80%
20) 2-Butanone-d5	7.09	46	43813	53.55	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.10%
24) Chloroform-d	7.65	84	215104	25.23	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.92%
26) 1,2-Dichloroethane-d4	8.42	65	133	0.03	ug/L	0.12
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.12%#
29) Benzene-d6	8.27	84	432402	25.87	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.48%
33) 1,2-Dichloropropane-d6	9.27	67	121593	26.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.60%
37) Toluene-d8	10.32	98	409024	25.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.92%
38) trans-1,3-Dichloropropene-	10.58	79	51308	24.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.96%
39) 2-Hexanone-d5	10.93	63	31494	54.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	86252	25.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	117518	24.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.92%

Target Compounds

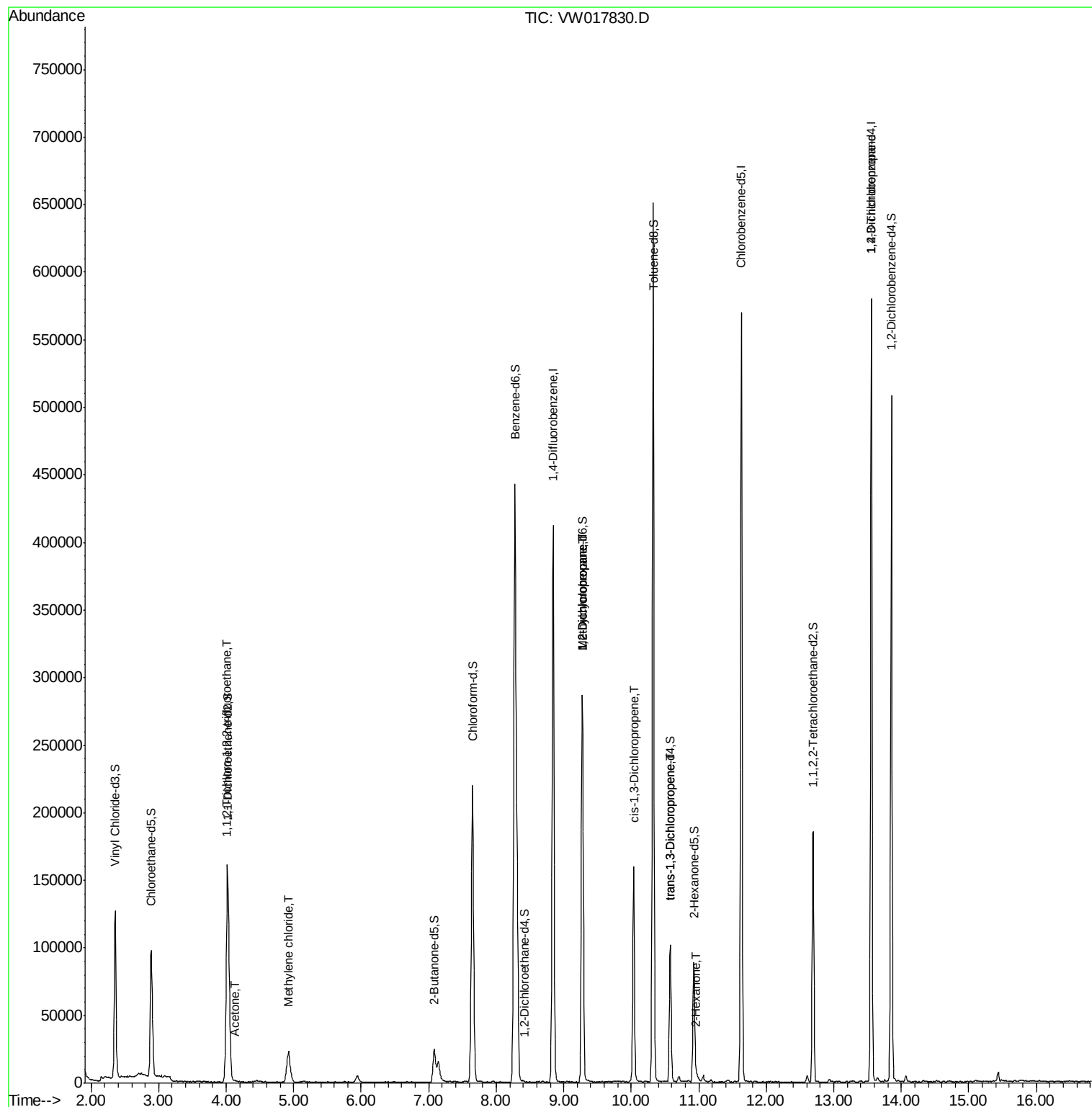
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.01	101	1409	0.340	ug/L #	20
13) Acetone	4.14	43	509	0.720	ug/L	97
16) Methylene chloride	4.92	84	18567	3.979	ug/L	99
36) Methylcyclohexane	9.27	83	29964	3.651	ug/L #	21
40) 1,2-Dichloropropane	9.27	63	15870	3.963	ug/L #	86
42) cis-1,3-Dichloropropene	10.04	75	4688	0.734	ug/L #	75
45) trans-1,3-Dichloropropene	10.58	75	2868	0.527	ug/L	84
49) 2-Hexanone	10.97	43	1290	0.935	ug/L #	74
59) 1,2,3-Trichloropropane	13.55	75	21495	8.802	ug/L	96

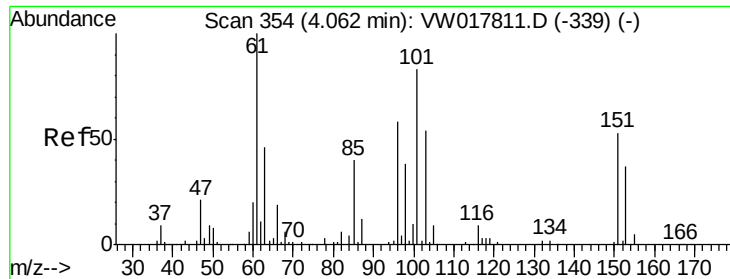
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
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Quant Time: Jan 13 03:21:45 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 08 21:58:14 2021
Response via : Initial Calibration





#11

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

Concen: 0.340 ug/L

RT: 4.01 min Scan# 345

Delta R.T. -0.06 min

Lab File: VW017830.D

Acq: 12 Jan 2021 13:07

Instrument :

MSVOA_W

ClientSampled :

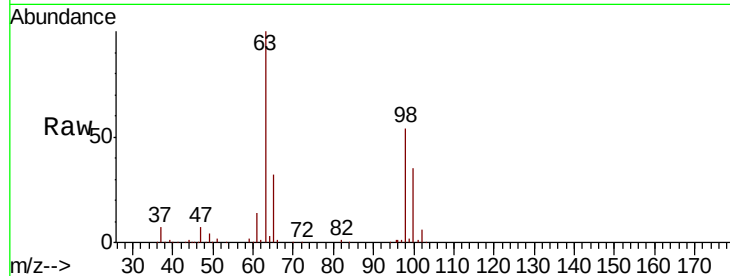
Tot Ion:101 Resp: 1409

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

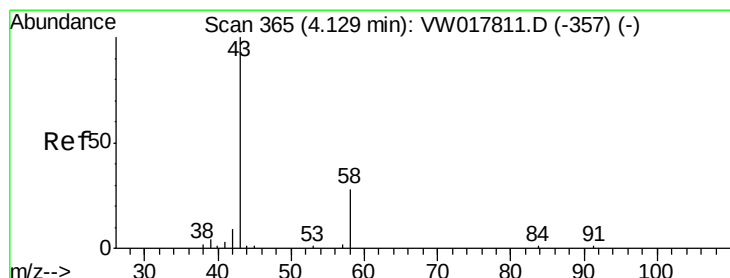
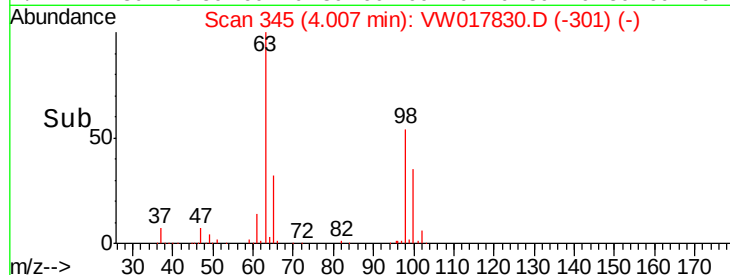
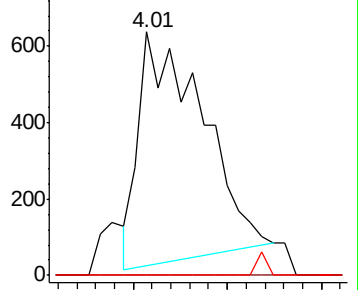
151 0.0 57.7 86.5#



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: 0.720 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017830.D

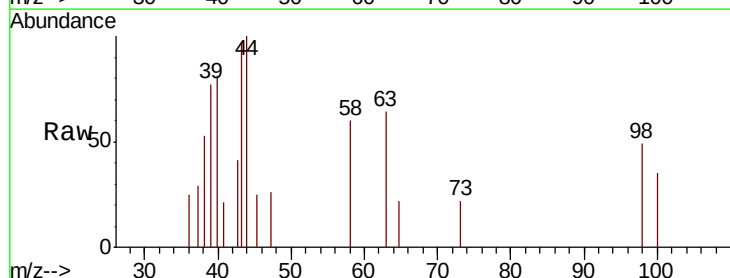
Acq: 12 Jan 2021 13:07

Tgt Ion: 43 Resp: 509

Ion Ratio Lower Upper

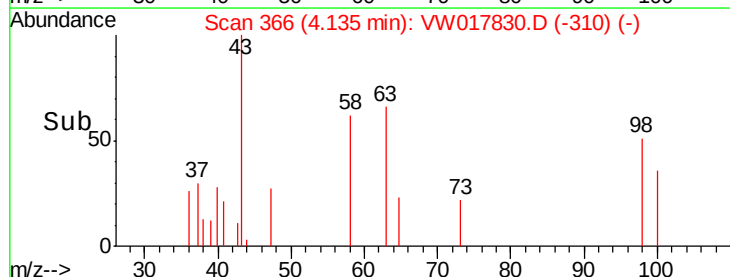
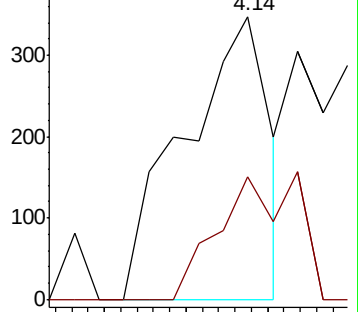
43 100

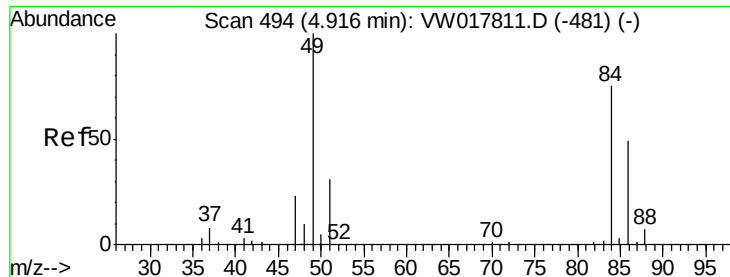
58 28.7 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

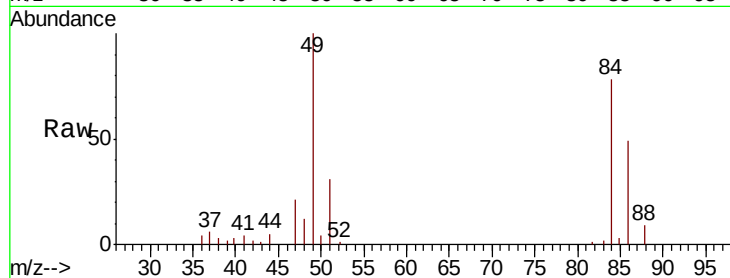




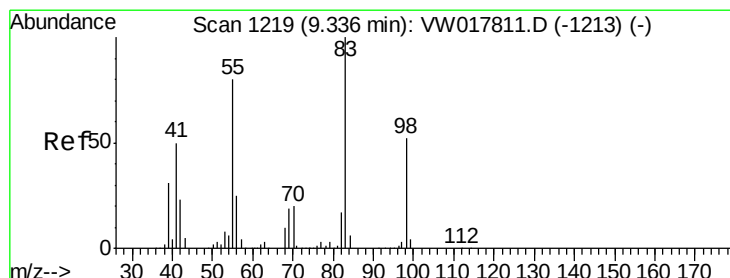
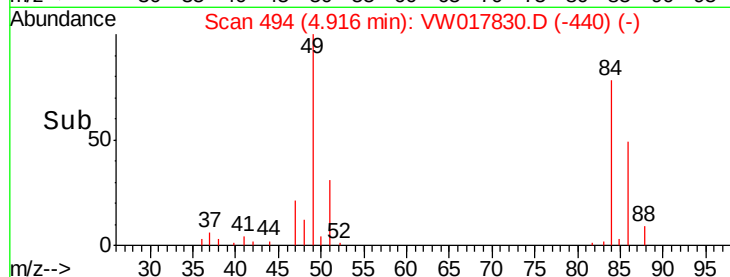
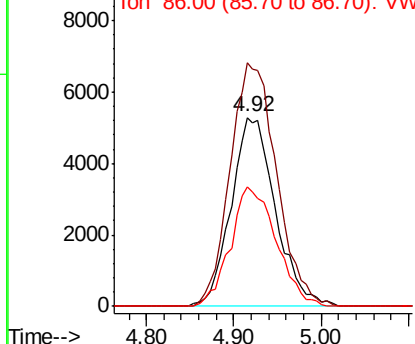
#16
Methylene chloride
Concen: 3.979 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW017830.D
Acq: 12 Jan 2021 13:07

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 18567
Ion Ratio Lower Upper
84 100
49 128.9 90.5 168.1
86 63.3 44.8 83.2

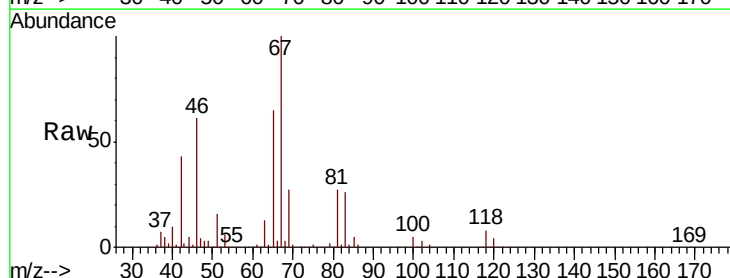


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

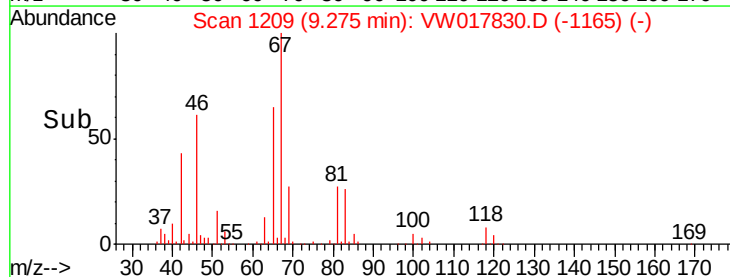
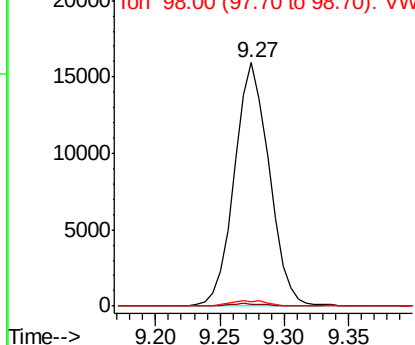


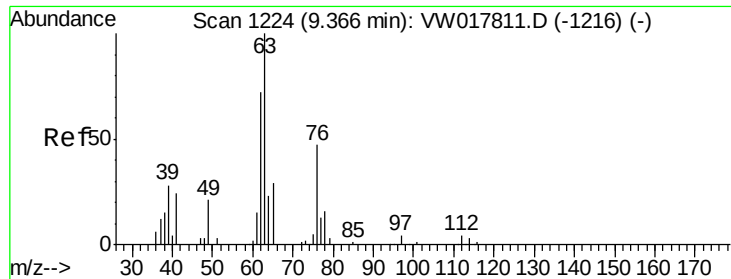
#36
Methylcyclohexane
Concen: 3.651 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW017830.D
Acq: 12 Jan 2021 13:07

Tgt Ion: 83 Resp: 29964
Ion Ratio Lower Upper
83 100
55 0.6 57.6 86.4#
98 2.1 39.7 59.5#



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: 3.963 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.09 min

Lab File: VW017830.D

Acq: 12 Jan 2021 13:07

Instrument :

MSVOA_W

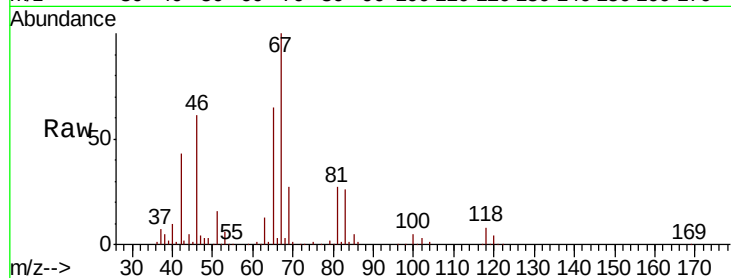
ClientSampleId :

Tot Ion: 63 Resp: 15870

Ion Ratio Lower Upper

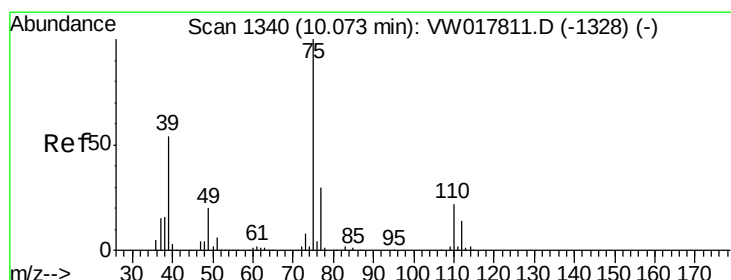
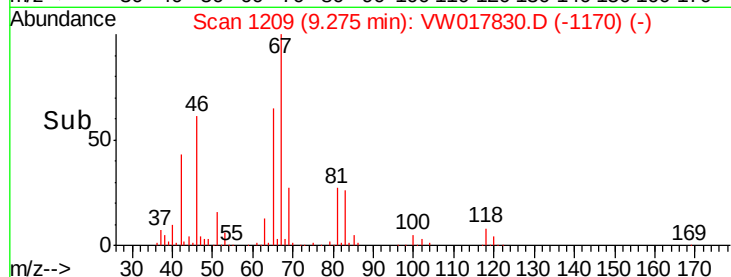
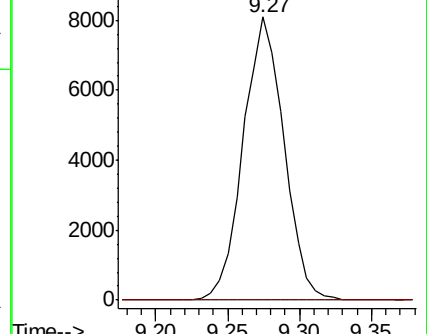
63 100

112 0.0 3.6 5.4#



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: 0.734 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017830.D

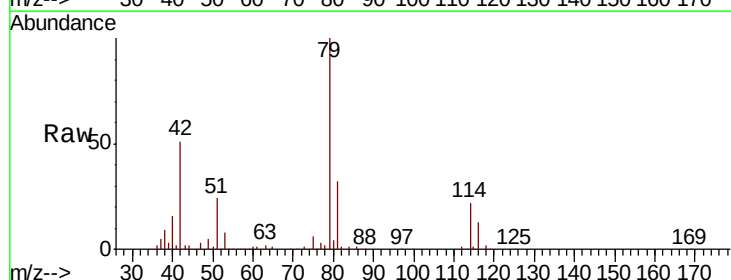
Acq: 12 Jan 2021 13:07

Tgt Ion: 75 Resp: 4688

Ion Ratio Lower Upper

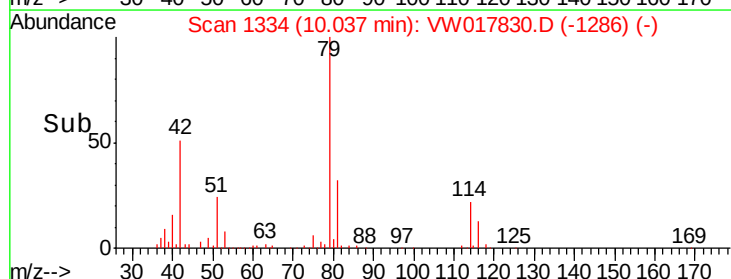
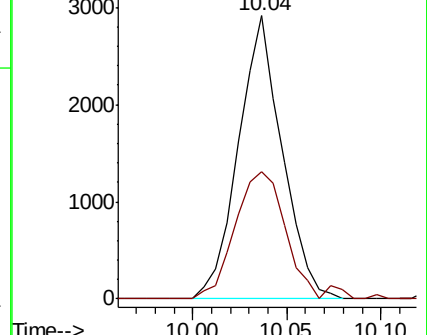
75 100

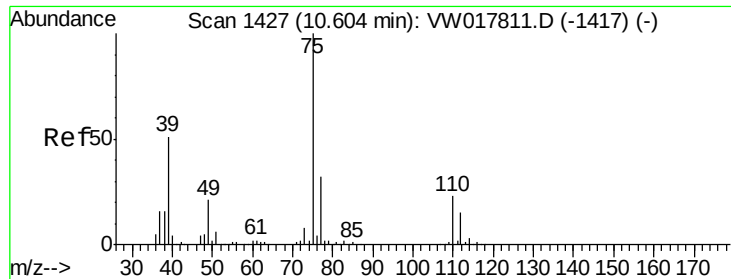
77 44.8 21.6 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#45

trans-1,3-Dichloropropene

Concen: 0.527 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW017830.D

Acq: 12 Jan 2021 13:07

Instrument :

MSVOA_W

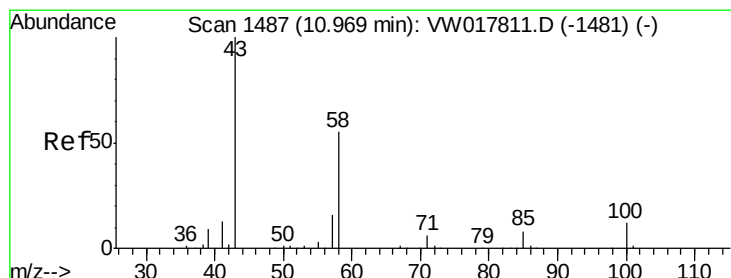
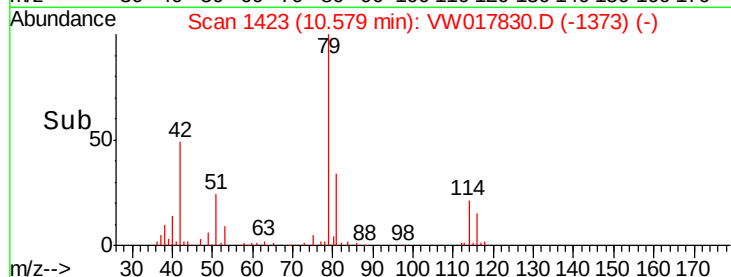
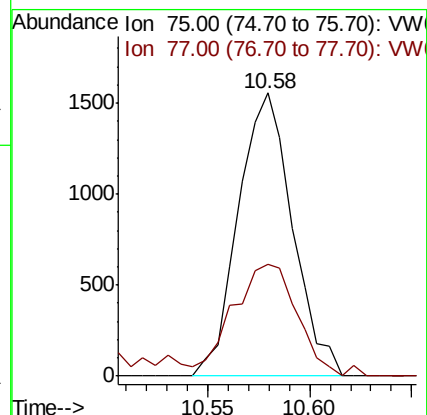
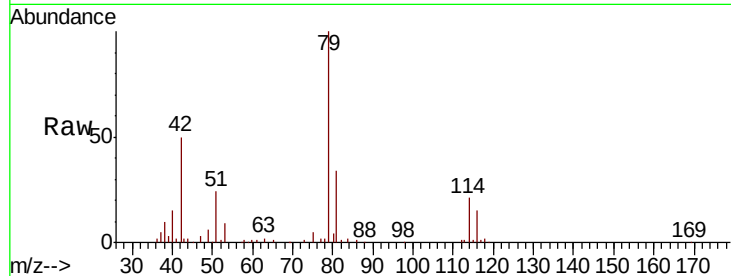
ClientSampled :

Tot Ion: 75 Resp: 2868

Ion Ratio Lower Upper

75 100

77 39.7 21.6 40.0



#49

2-Hexanone

Concen: 0.935 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017830.D

Acq: 12 Jan 2021 13:07

Tgt Ion: 43 Resp: 1290

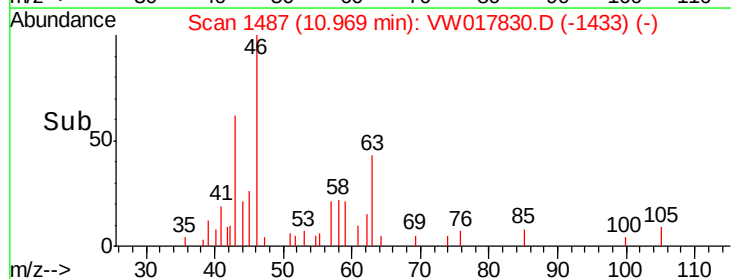
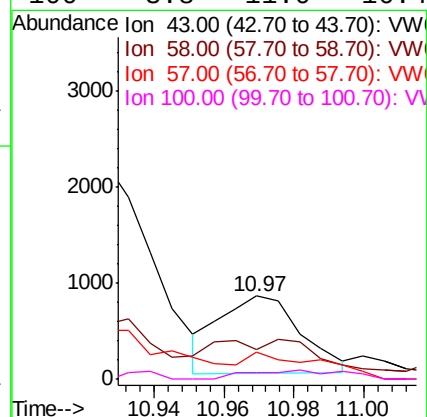
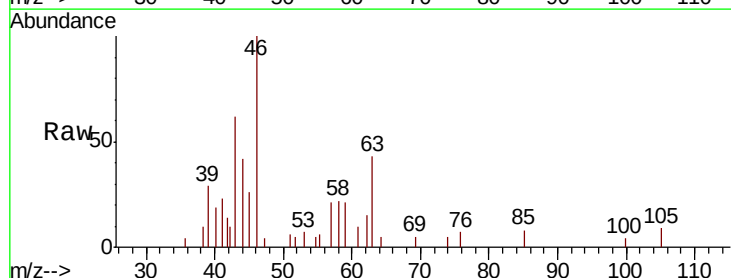
Ion Ratio Lower Upper

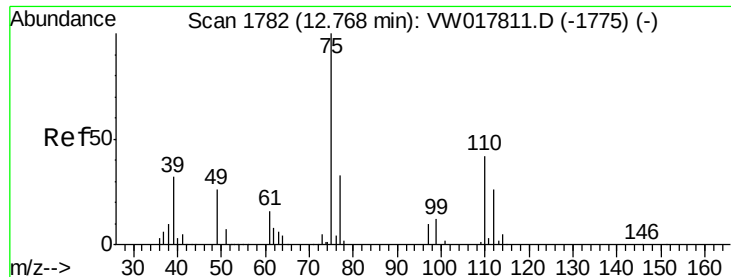
43 100

58 37.8 44.2 66.4#

57 6.1 16.1 24.1#

100 3.8 11.0 16.4#





#59

1,2,3-Trichloropropane

Concen: 8.802 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW017830.D

Acq: 12 Jan 2021 13:07

Instrument :

MSVOA_W

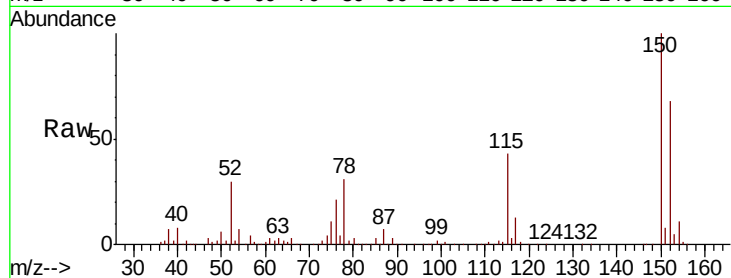
ClientSampleId :

Tot Ion: 75 Resp: 21495

Ion Ratio Lower Upper

75 100

77 33.9 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

