

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011221\
 Data File : VW017842.D
 Acq On : 12 Jan 2021 17:50
 Operator : SY/VA
 Sample : VIBLK
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 13 03:23:33 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	324189	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	290732	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	137385	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	128132	25.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.16%
7) Chloroethane-d5	2.89	69	106110	25.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.52%
10) 1,1-Dichloroethene-d2	4.02	63	170398	19.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.00%
20) 2-Butanone-d5	7.08	46	48707	59.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.82%
24) Chloroform-d	7.65	84	216769	25.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.36%
26) 1,2-Dichloroethane-d4	8.31	65	121744	27.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.08%
29) Benzene-d6	8.27	84	428827	26.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.72%
33) 1,2-Dichloropropane-d6	9.27	67	122316	27.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.40%
37) Toluene-d8	10.32	98	400173	25.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.76%
38) trans-1,3-Dichloropropene-	10.58	79	51077	25.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.52%
39) 2-Hexanone-d5	10.93	63	33788	59.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.20%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	88202	26.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	116101	24.27	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.08%

Target Compounds

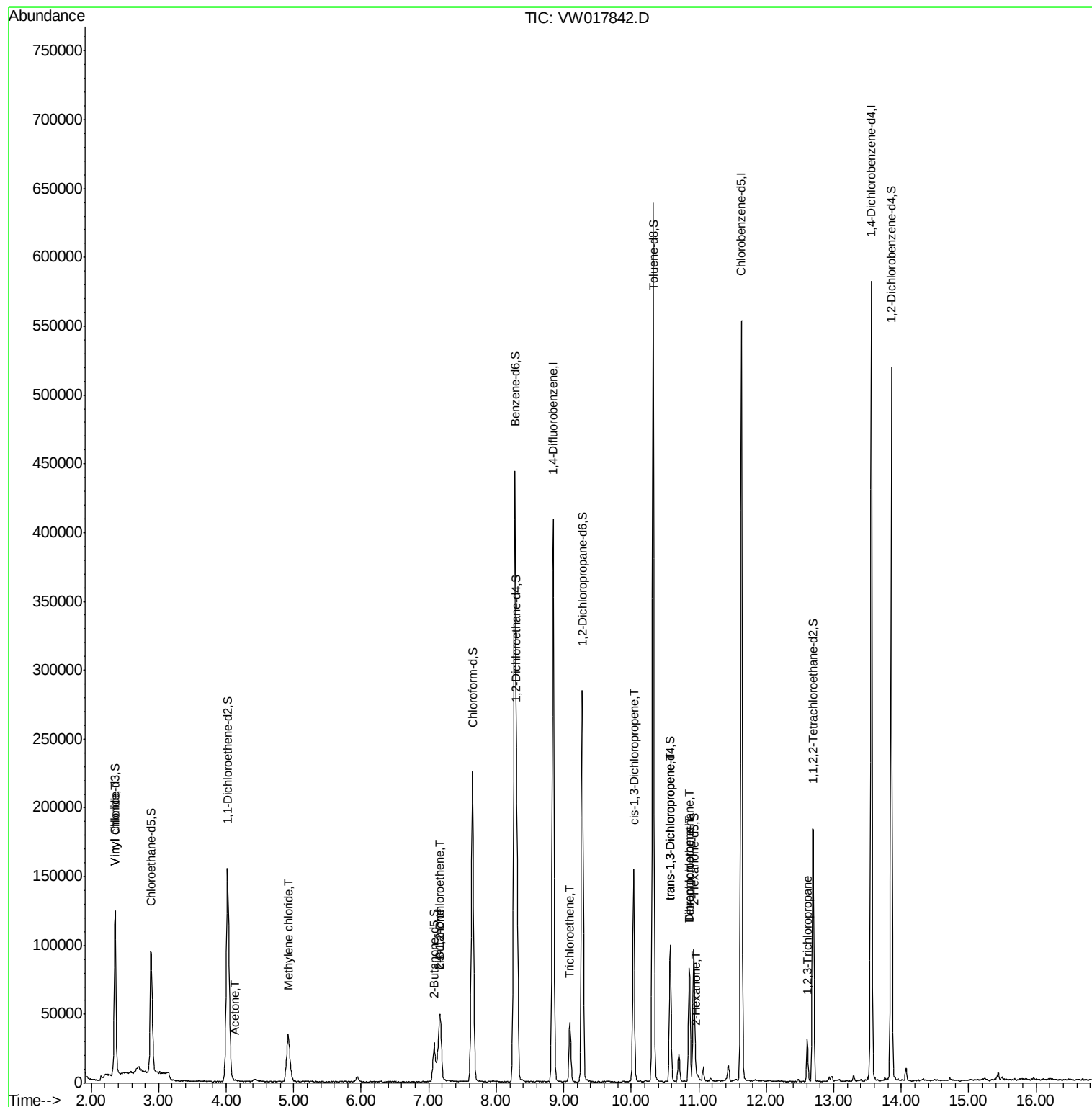
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.36	62	3489	0.648	ug/L #	1
13) Acetone	4.14	43	1078	1.536	ug/L	99
16) Methylene chloride	4.92	84	26909	5.804	ug/L	99
21) 2-Butanone	7.16	43	614	0.650	ug/L #	38
22) cis-1,2-Dichloroethene	7.17	96	23862	5.269	ug/L	89
35) Trichloroethene	9.09	95	13478	2.929	ug/L	97
42) cis-1,3-Dichloropropene	10.03	75	5275	0.842	ug/L	90
45) trans-1,3-Dichloropropene	10.57	75	3102	0.582	ug/L	88
47) Tetrachloroethene	10.86	164	16660	4.631	ug/L	93
49) 2-Hexanone	10.97	43	834	0.617	ug/L #	52
50) Dibromochloromethane	10.86	129	16499	4.764	ug/L #	9
59) 1,2,3-Trichloropropane	12.61	75	561	0.234	ug/L	94

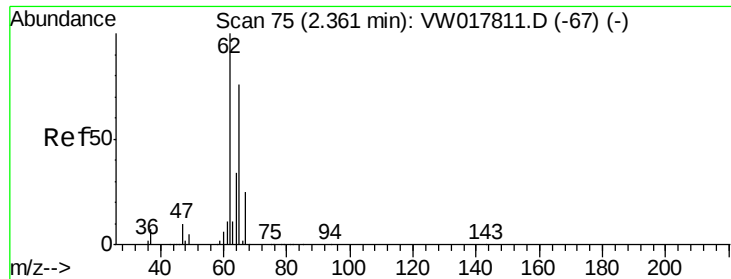
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 13 03:23:33 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





#5

Vinyl chloride

Concen: 0.648 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW017842.D

Acq: 12 Jan 2021 17:50

Instrument :

MSVOA_W

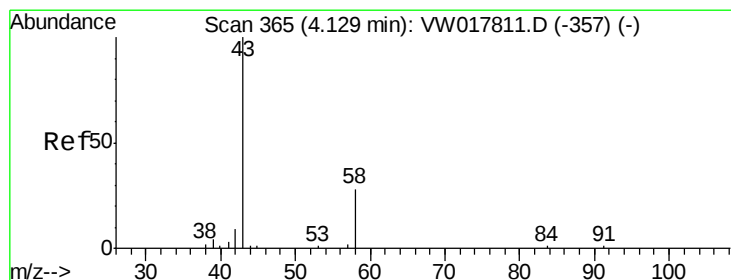
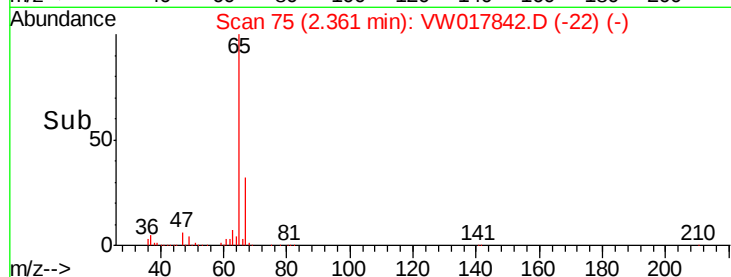
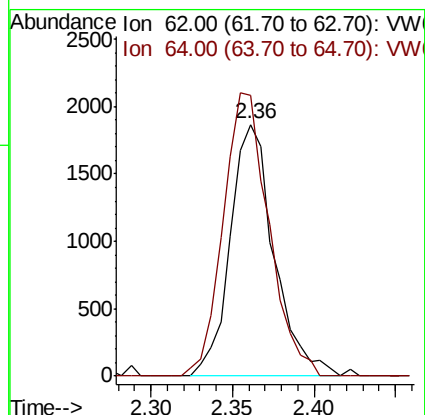
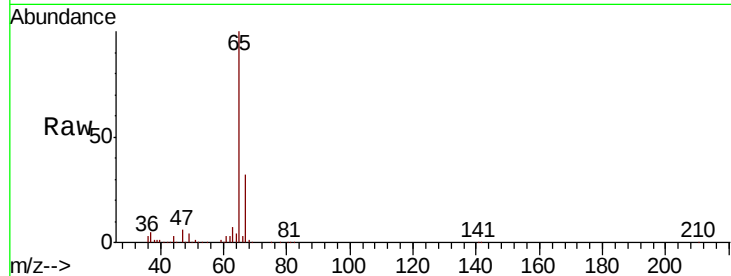
ClientSampled :

Tot Ion: 62 Resp: 3489

Ion Ratio Lower Upper

62 100

64 111.4 23.3 43.3#



#13

Acetone

Concen: 1.536 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW017842.D

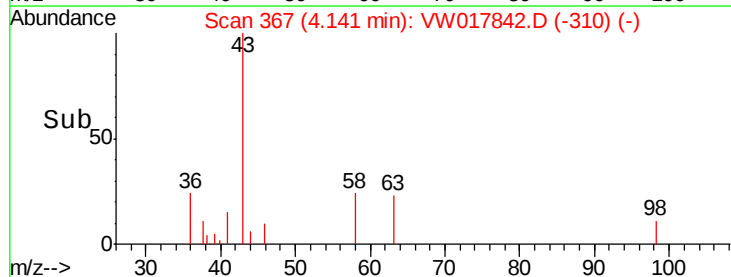
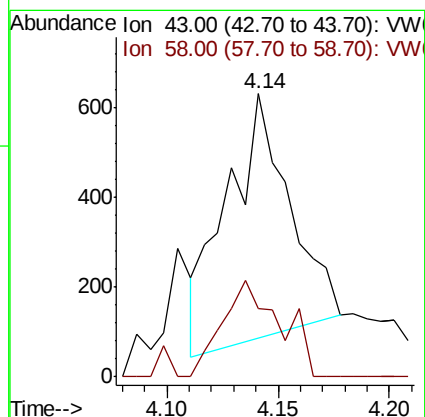
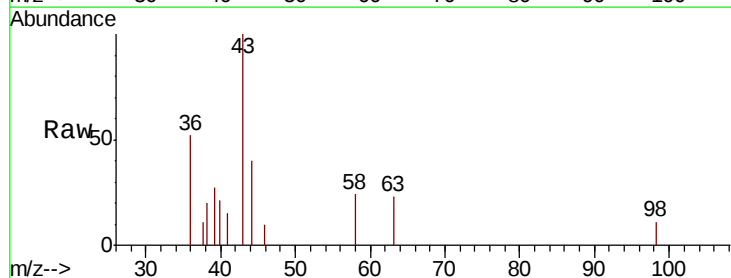
Acq: 12 Jan 2021 17:50

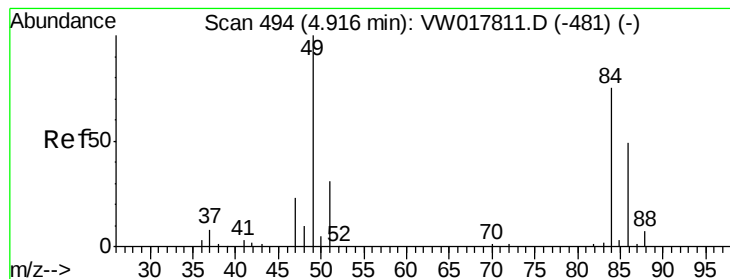
Tgt Ion: 43 Resp: 1078

Ion Ratio Lower Upper

43 100

58 31.0 0.0 60.8





#16

Methylene chloride

Concen: 5.804 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW017842.D

Acq: 12 Jan 2021 17:50

Instrument :

MSVOA_W

ClientSampled :

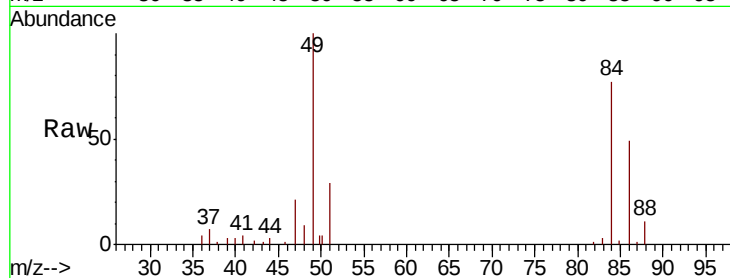
Tot Ion: 84 Resp: 26909

Ion Ratio Lower Upper

84 100

49 130.3 90.5 168.1

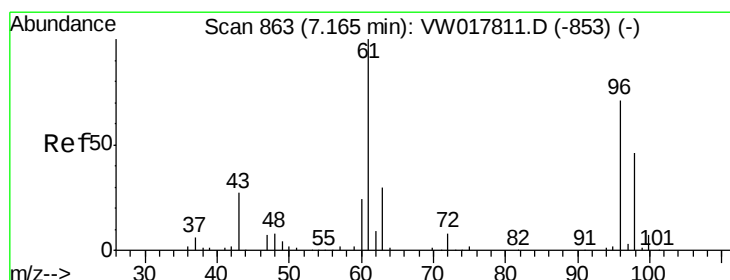
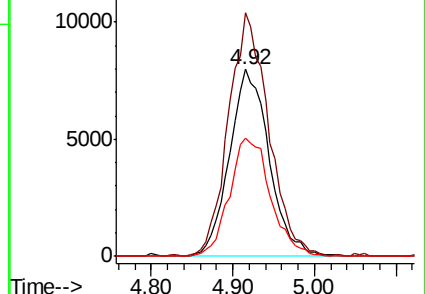
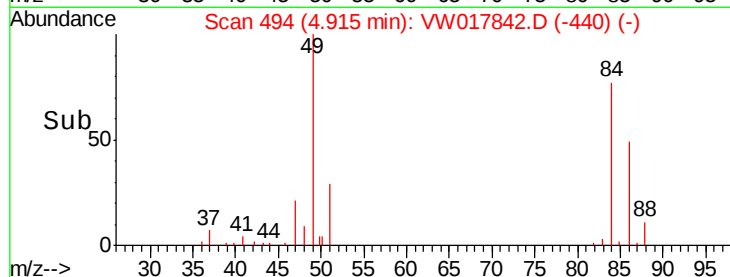
86 63.4 44.8 83.2



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



#21

2-Butanone

Concen: 0.650 ug/L

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW017842.D

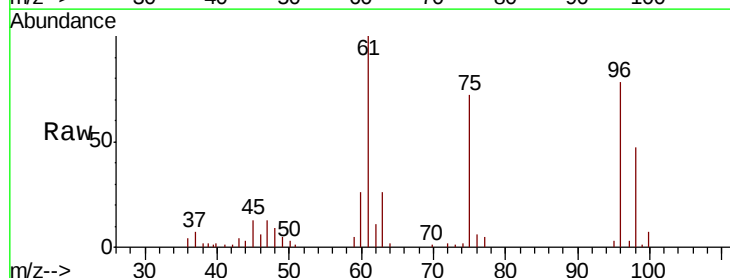
Acq: 12 Jan 2021 17:50

Tgt Ion: 43 Resp: 614

Ion Ratio Lower Upper

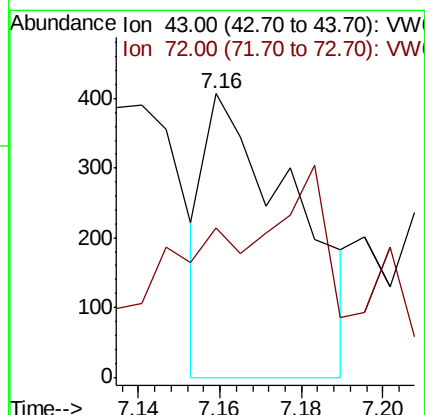
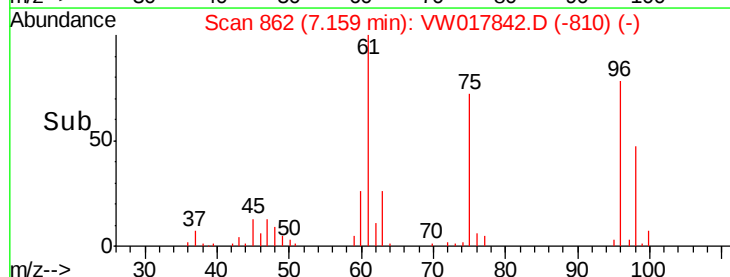
43 100

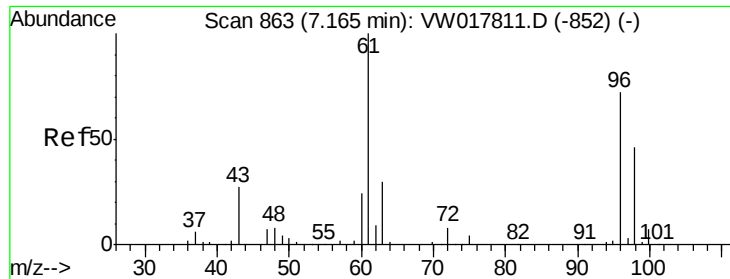
72 65.0 15.4 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



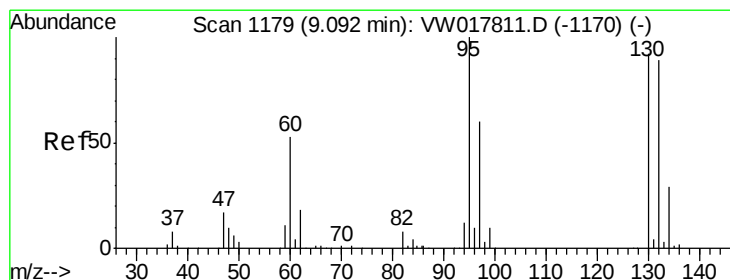
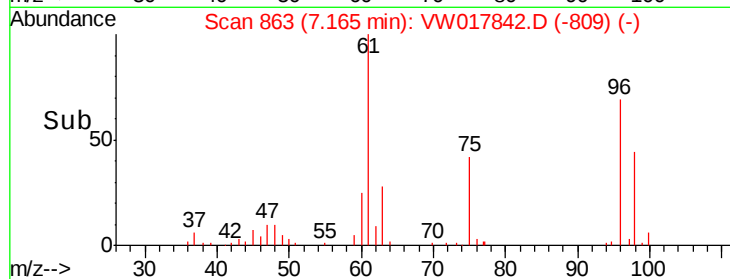
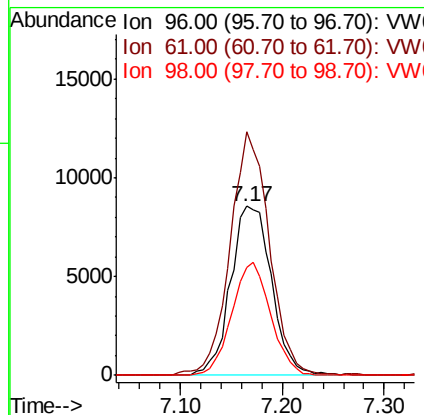
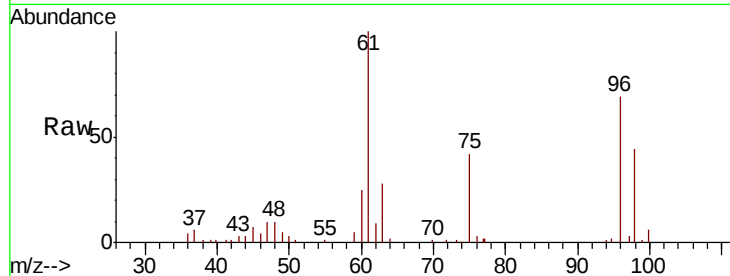


#22

cis-1,2-Dichloroethene
Concen: 5.269 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW017842.D
Acq: 12 Jan 2021 17:50

Instrument :
MSVOA_W
ClientSampleId :

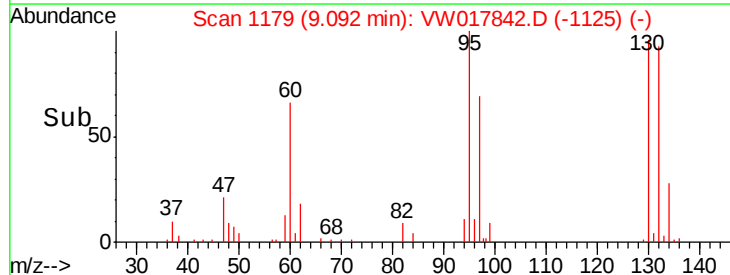
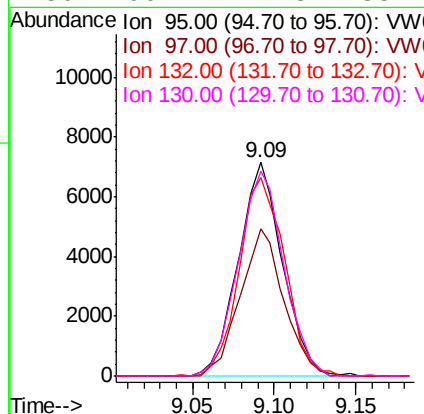
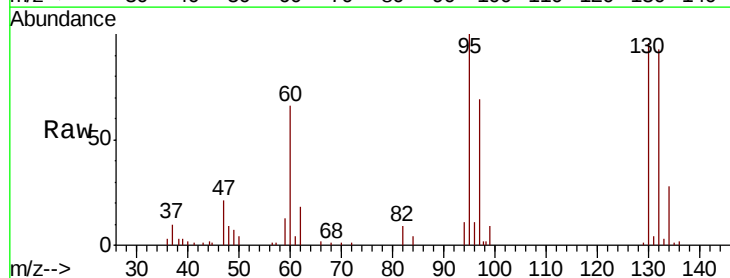
Tot Ion: 96 Resp: 23862
Ion Ratio Lower Upper
96 100
61 144.0 88.2 163.8
98 63.8 43.7 81.1

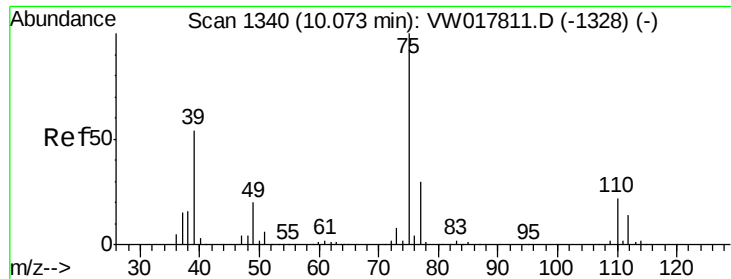


#35

Trichloroethene
Concen: 2.929 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW017842.D
Acq: 12 Jan 2021 17:50

Tgt Ion: 95 Resp: 13478
Ion Ratio Lower Upper
95 100
97 67.9 46.8 87.0
132 95.0 68.3 126.9
130 99.2 71.8 133.4





#42

cis-1,3-Dichloropropene

Concen: 0.842 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW017842.D

Acq: 12 Jan 2021 17:50

Instrument :

MSVOA_W

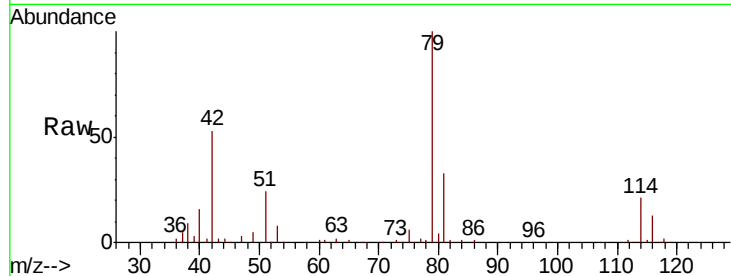
ClientSampled :

Tot Ion: 75 Resp: 5275

Ion Ratio Lower Upper

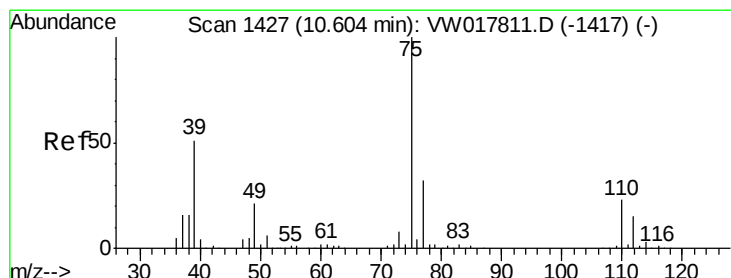
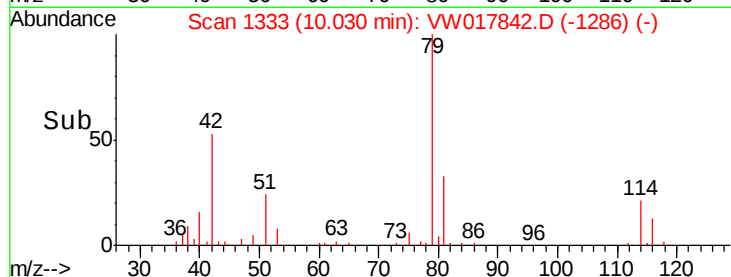
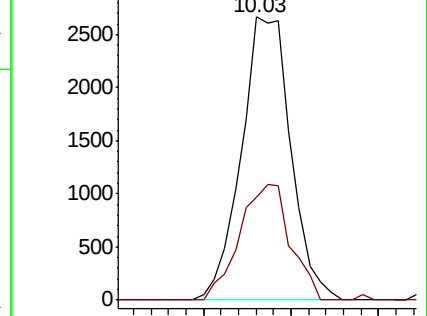
75 100

77 36.5 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: 0.582 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW017842.D

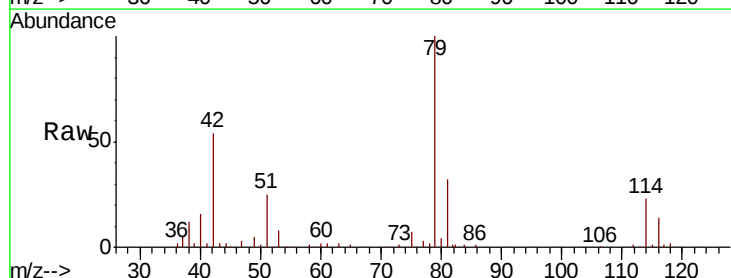
Acq: 12 Jan 2021 17:50

Tgt Ion: 75 Resp: 3102

Ion Ratio Lower Upper

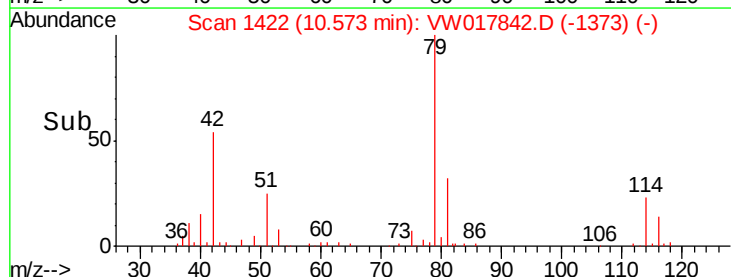
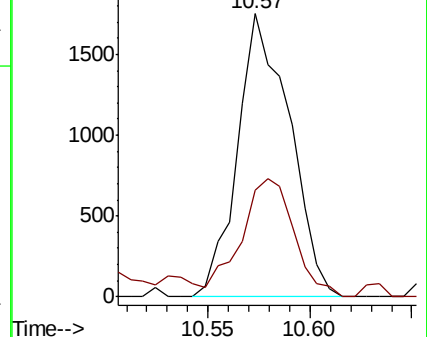
75 100

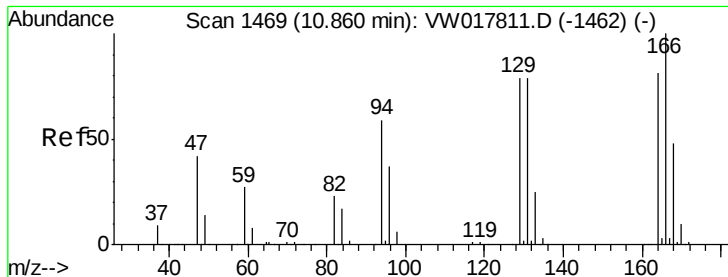
77 37.6 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#47

Tetrachloroethene

Concen: 4.631 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW017842.D

Acq: 12 Jan 2021 17:50

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 16660

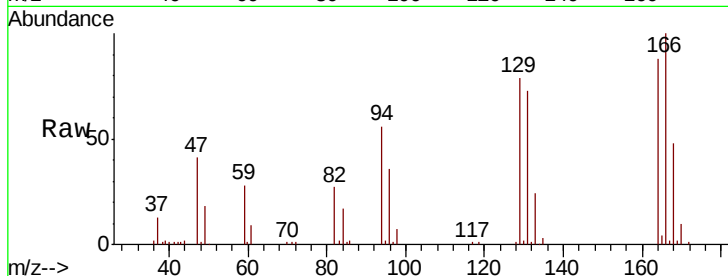
Ion Ratio Lower Upper

164 100

129 89.4 62.9 116.9

131 82.3 63.8 118.6

166 113.6 87.4 162.2

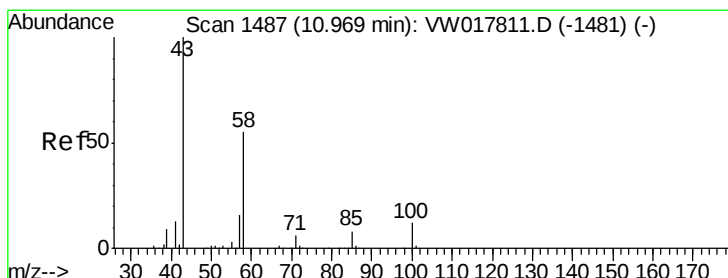
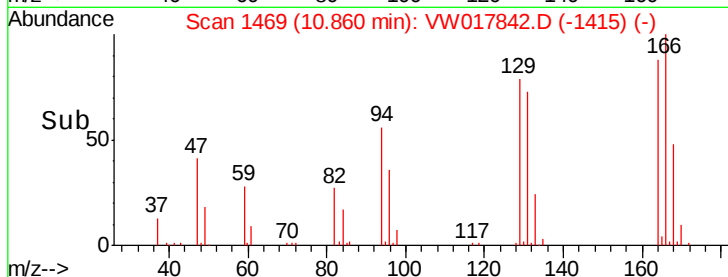
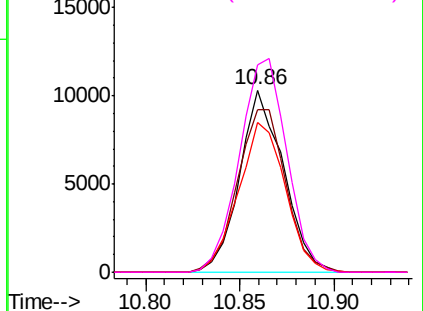


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

2-Hexanone

Concen: 0.617 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017842.D

Acq: 12 Jan 2021 17:50

Tgt Ion: 43 Resp: 834

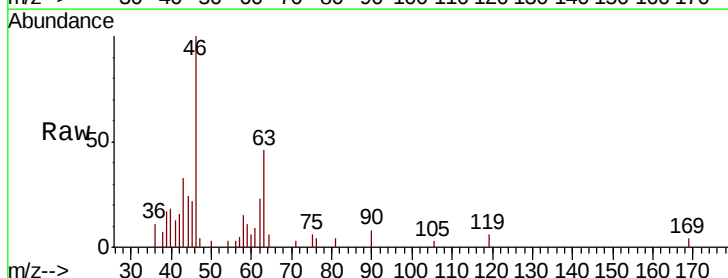
Ion Ratio Lower Upper

43 100

58 9.4 44.2 66.4#

57 26.3 16.1 24.1#

100 0.0 11.0 16.4#

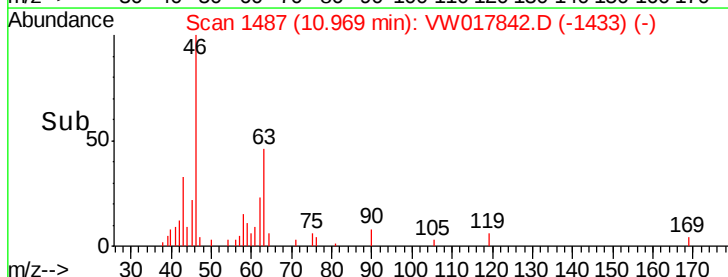
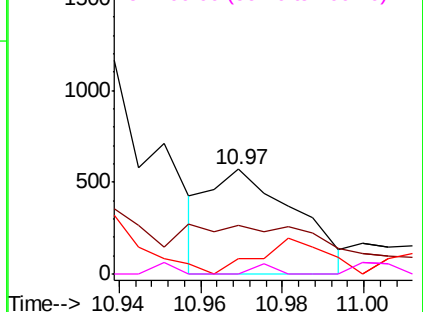


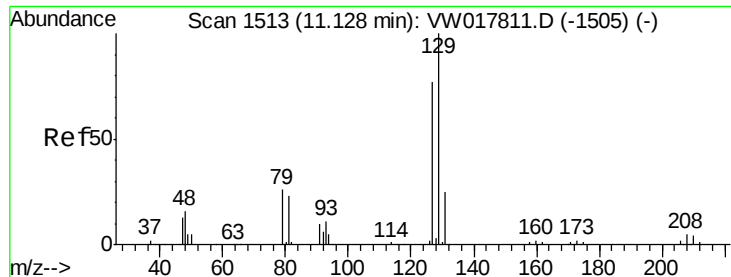
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#50

Dibromochloromethane

Concen: 4.764 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW017842.D

Acq: 12 Jan 2021 17:50

Instrument :

MSVOA_W

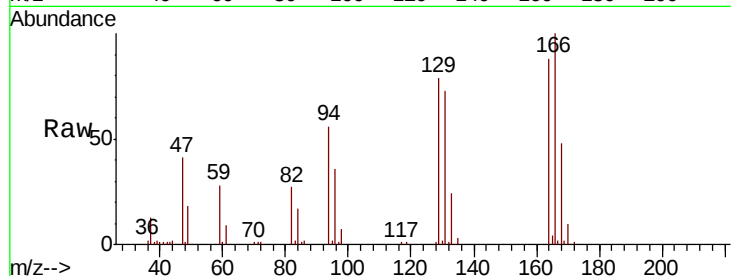
ClientSampled :

Tot Ion:129 Resp: 16499

Ion Ratio Lower Upper

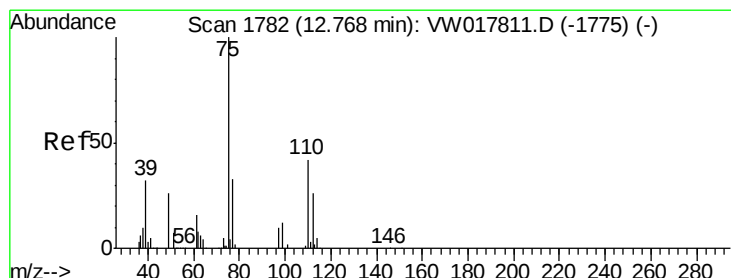
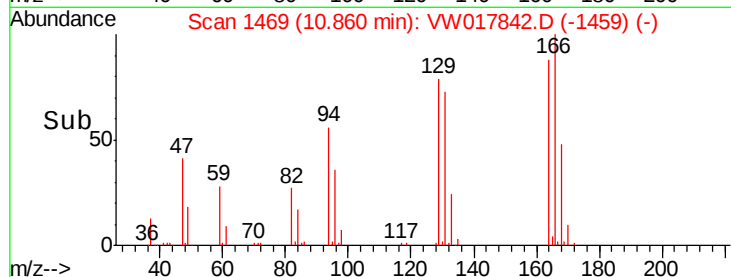
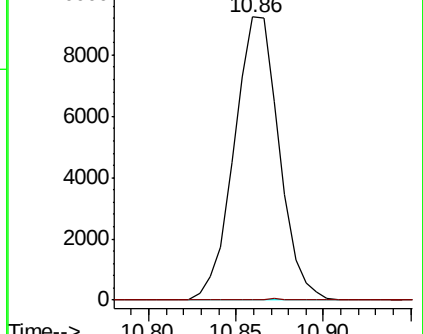
129 100

127 0.0 56.1 104.3#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 0.234 ug/L

RT: 12.61 min Scan# 1756

Delta R.T. -0.16 min

Lab File: VW017842.D

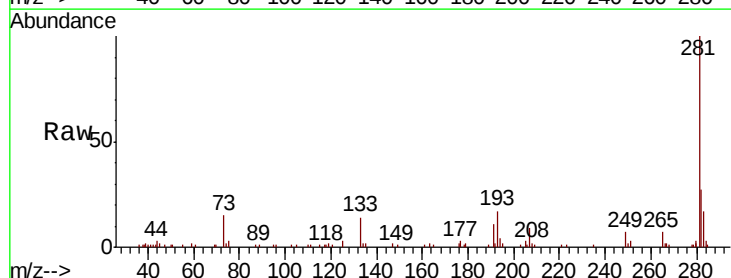
Acq: 12 Jan 2021 17:50

Tgt Ion: 75 Resp: 561

Ion Ratio Lower Upper

75 100

77 34.9 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

