

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120320\
 Data File : VW017533.D
 Acq On : 03 Dec 2020 15:12
 Operator : SY/VA
 Sample : L4920-14
 Misc : 5.47G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 20 00:33:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Dec 20 00:31:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	599887	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	440223	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	142604	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	103237	13.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	52.32%
7) Chloroethane-d5	2.89	69	90305	13.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	54.24%
10) 1,1-Dichloroethene-d2	4.03	63	192425	10.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	43.80%#
20) 2-Butanone-d5	7.08	46	55392	33.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	66.58%
24) Chloroform-d	7.65	84	256883	15.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	60.28%
26) 1,2-Dichloroethane-d4	8.31	65	134590	16.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	64.40%#
29) Benzene-d6	8.27	84	485583	17.94	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	71.76%
33) 1,2-Dichloropropane-d6	9.27	67	137318	18.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	73.32%
37) Toluene-d8	10.32	98	395203	16.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	64.12%
38) trans-1,3-Dichloropropene-	10.58	79	54434	16.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	65.04%
39) 2-Hexanone-d5	10.93	63	33377	36.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	72.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	91274	16.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	67.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	80537	15.25	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	61.00%#

Target Compounds

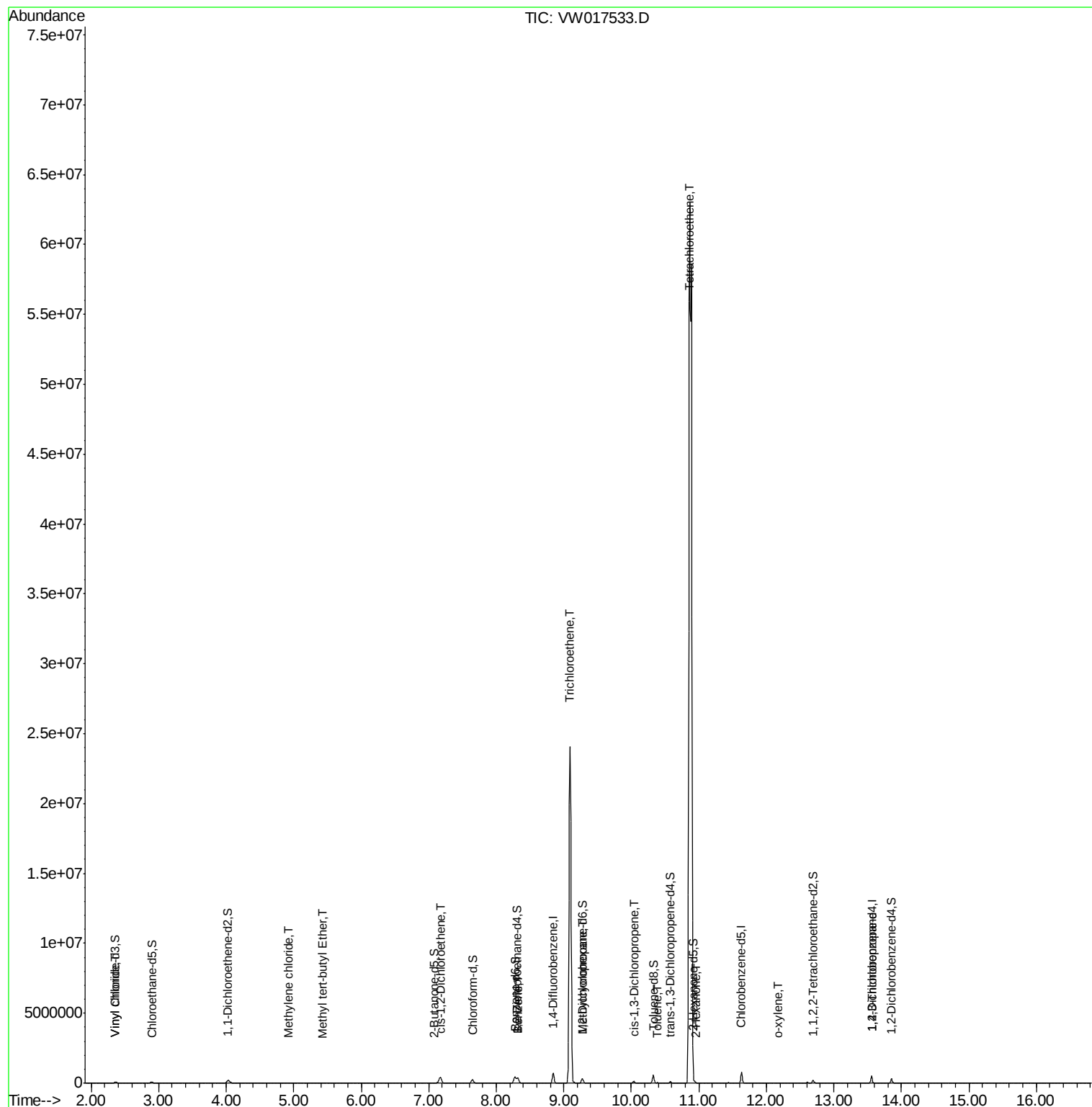
					Ovalue
5) Vinyl chloride	2.37	62	2731	0.375 ug/L #	1
16) Methylene chloride	4.92	84	23182	2.574 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	17280	1.931 ug/L #	86
22) cis-1,2-Dichloroethene	7.17	96	249434	27.959 ug/L	97
34) Benzene	8.32	78	265749	10.044 ug/L	100
35) Trichloroethene	9.09	95	8530561	1162.964 ug/L	97
36) Methylcyclohexane	9.27	83	33703	2.778 ug/L #	20
42) cis-1,3-Dichloropropene	10.04	75	4684	0.487 ug/L #	80
44) Toluene	10.39	91	26283	0.923 ug/L	95
47) Tetrachloroethene	10.87	164	12642924	2022.930 ug/L	89
49) 2-Hexanone	10.97	43	1231	0.609 ug/L #	87
55) o-xylene	12.17	106	4117	0.359 ug/L	96
59) 1,2,3-Trichloropropane	13.56	75	16180	4.374 ug/L	100

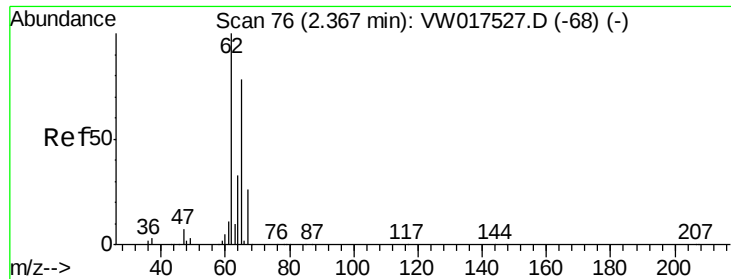
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.375 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017533.D

Acq: 03 Dec 2020 15:12

Instrument :

MSVOA_W

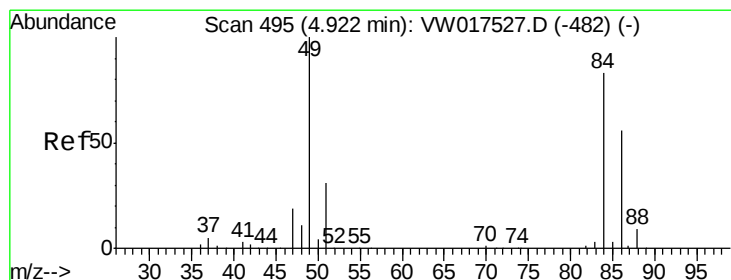
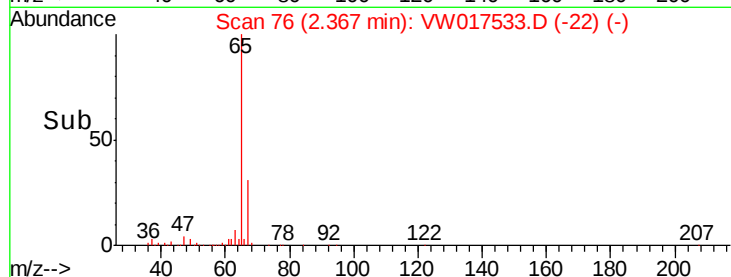
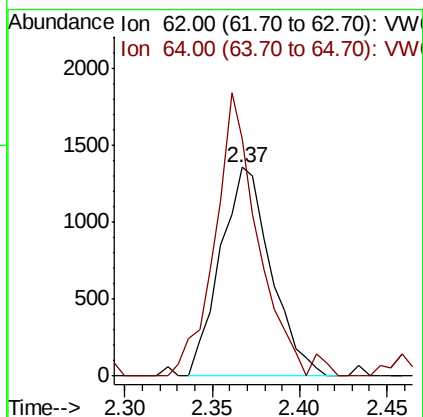
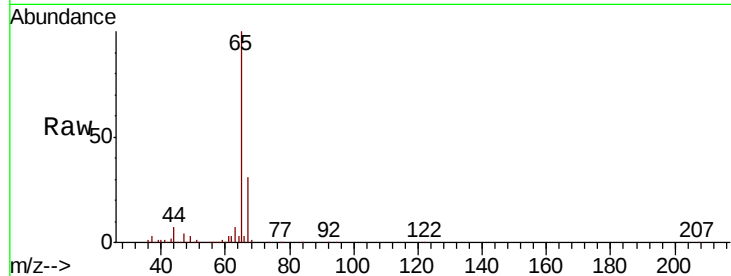
ClientSampled :

Tot Ion: 62 Resp: 2731

Ion Ratio Lower Upper

62 100

64 113.3 23.9 44.5#



#16

Methylene chloride

Concen: 2.574 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW017533.D

Acq: 03 Dec 2020 15:12

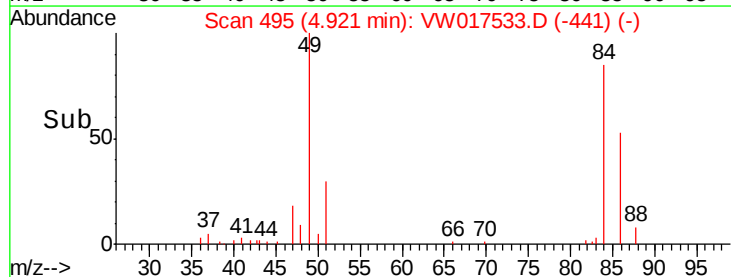
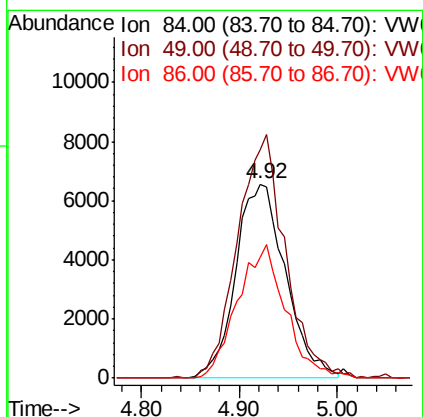
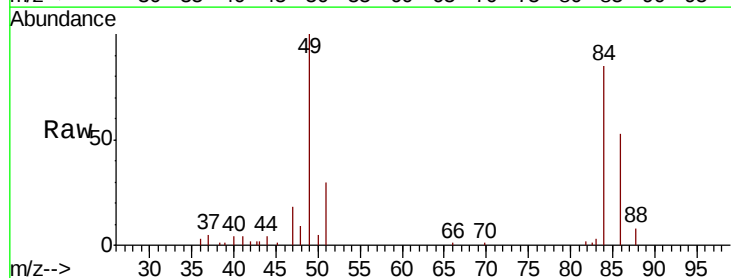
Tgt Ion: 84 Resp: 23182

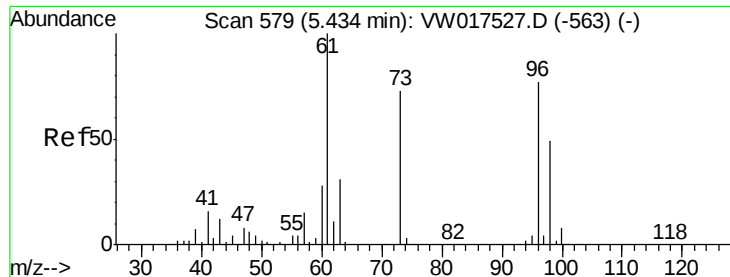
Ion Ratio Lower Upper

84 100

49 117.6 81.2 150.8

86 62.4 44.5 82.7

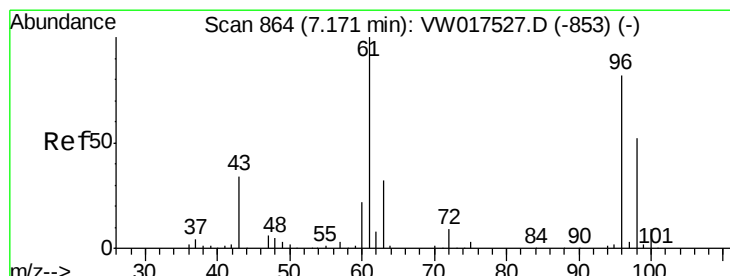
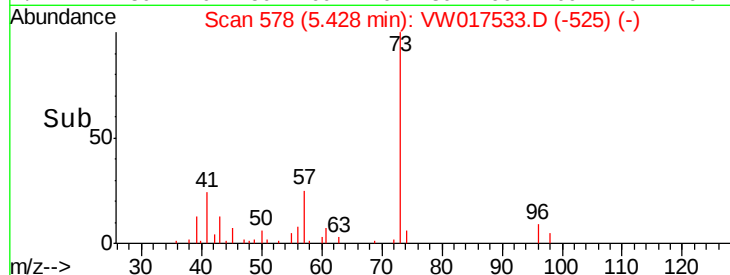
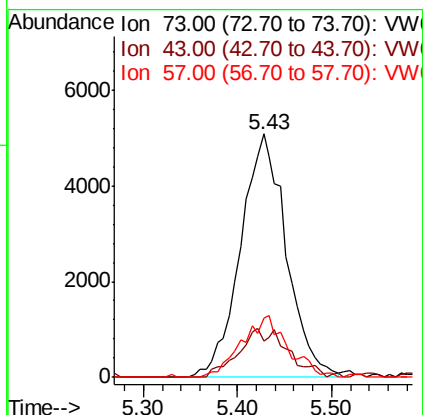
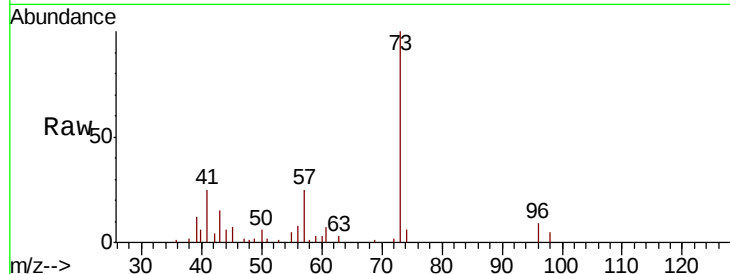




#17
Methvl tert-butvl Ether
Concen: 1.931 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW017533.D
Acq: 03 Dec 2020 15:12

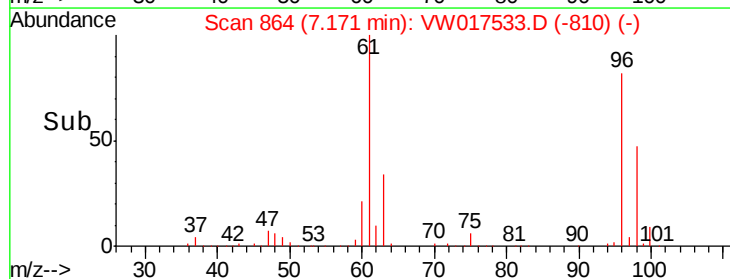
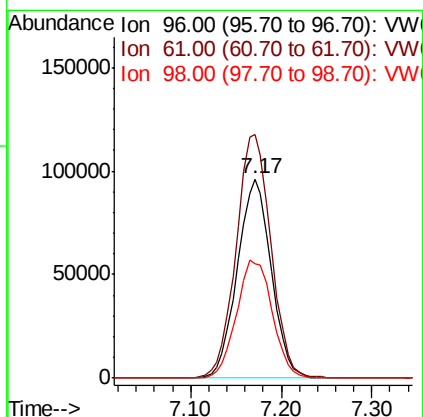
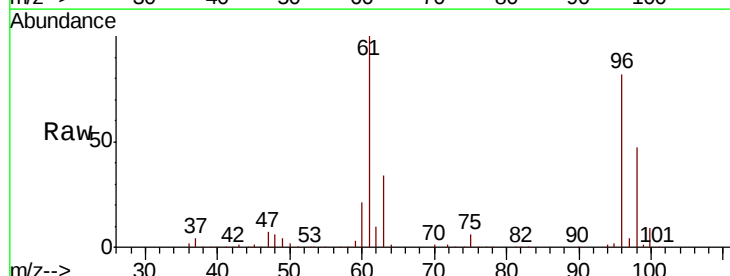
Instrument :
MSVOA_W
ClientSampleId :

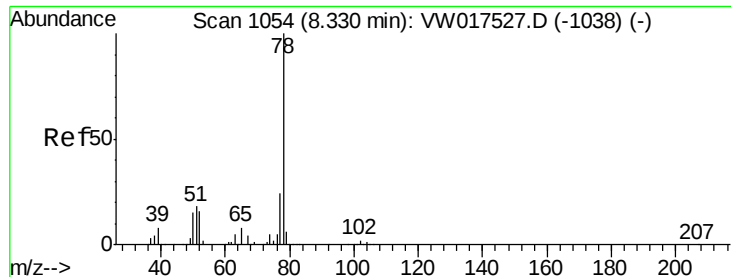
Tot Ion: 73 Resp: 17280
Ion Ratio Lower Upper
73 100
43 8.2 16.2 24.4#
57 23.0 17.2 25.8



#22
cis-1,2-Dichloroethene
Concen: 27.959 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017533.D
Acq: 03 Dec 2020 15:12

Tgt Ion: 96 Resp: 249434
Ion Ratio Lower Upper
96 100
61 122.1 84.6 157.2
98 57.5 44.7 82.9





#34

Benzene

Concen: 10.044 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW017533.D

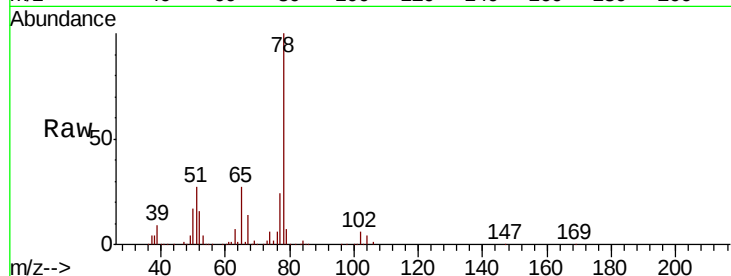
Acq: 03 Dec 2020 15:12

Instrument :

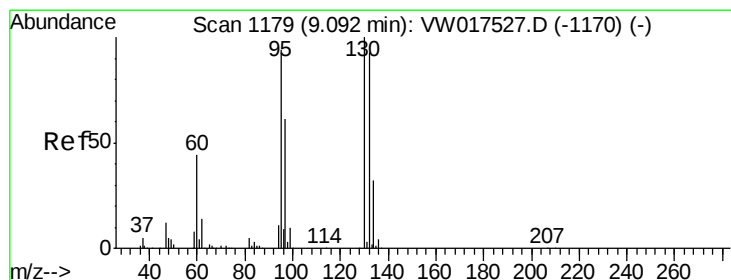
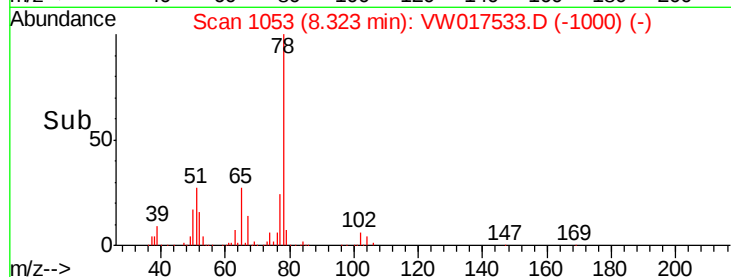
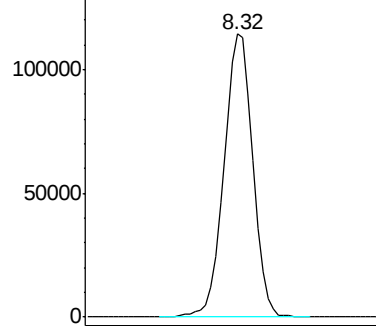
MSVOA_W

ClientSampled :

Tgt Ion: 78 Resp: 265749



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 1162.964 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017533.D

Acq: 03 Dec 2020 15:12

Tgt Ion: 95 Resp: 8530561

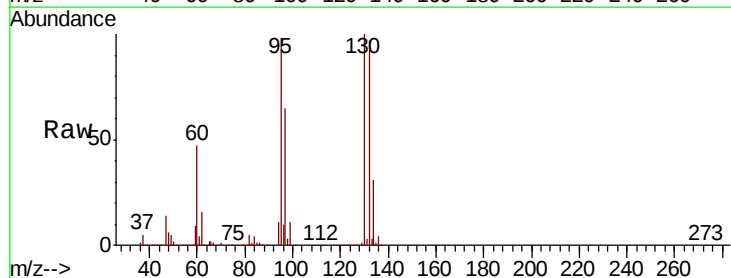
Ion	Ratio	Lower	Upper
95	100		
97	65.3	45.0	83.6
132	99.7	71.0	131.8
130	102.1	75.6	140.4

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

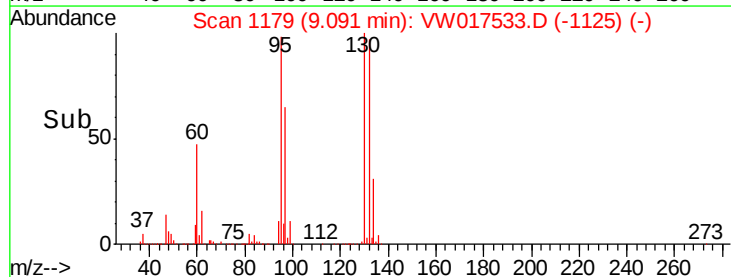


Abundance Ion 95.00 (94.70 to 95.70): VW

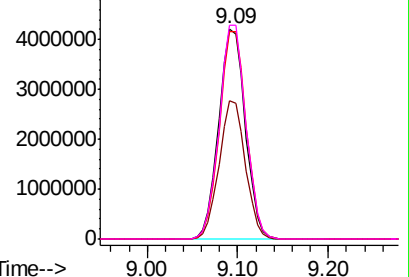
Ion 97.00 (96.70 to 97.70): VW

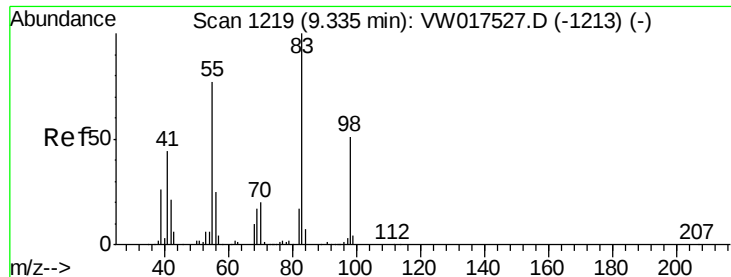
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->

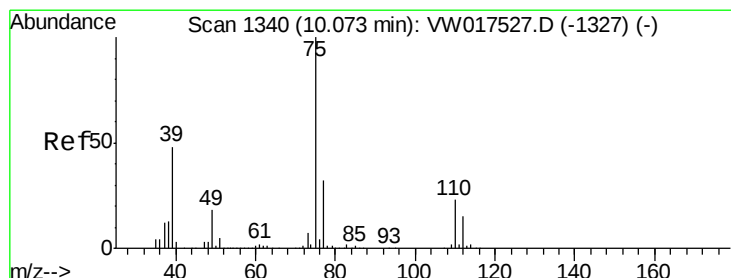
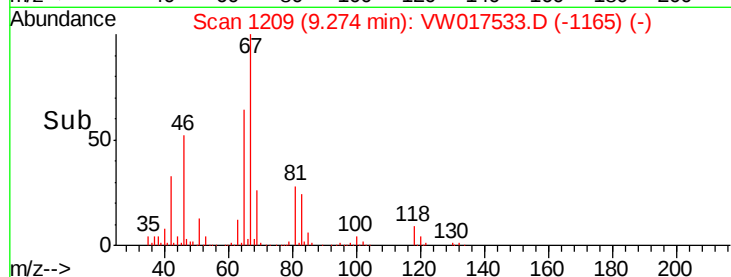
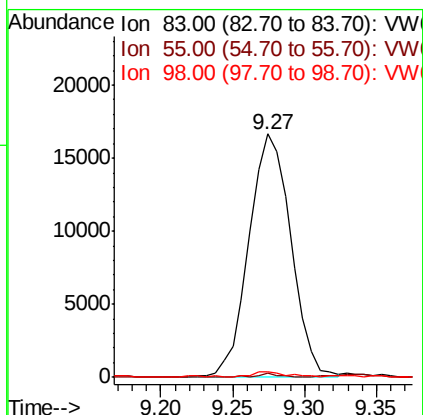
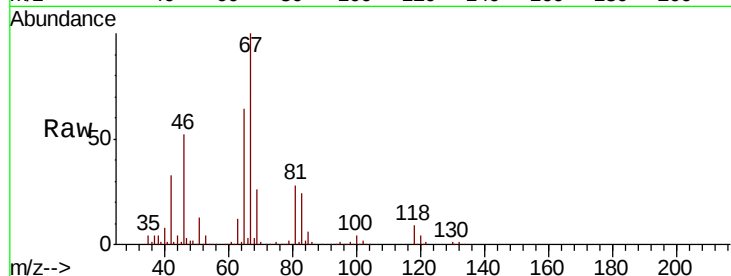




#36
Methylcyclohexane
Concen: 2.778 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW017533.D
Acq: 03 Dec 2020 15:12

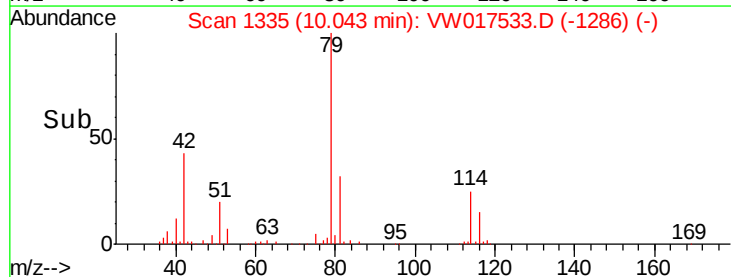
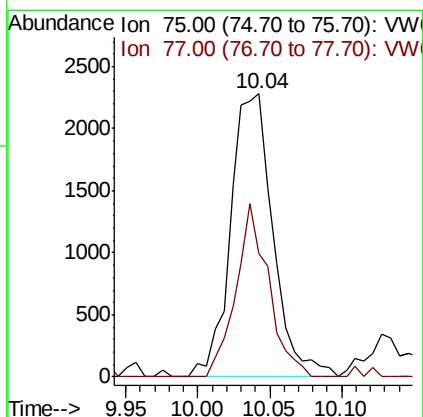
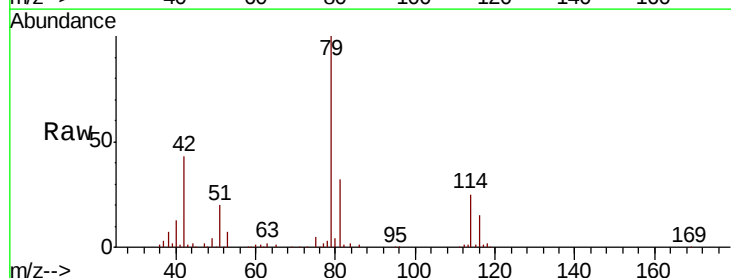
Instrument :
MSVOA_W
ClientSampleId :

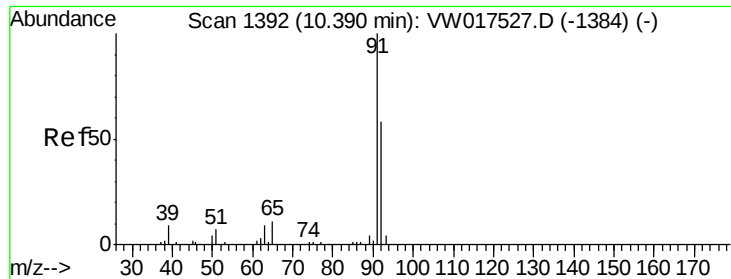
Tot Ion: 83 Resp: 33703
Ion Ratio Lower Upper
83 100
55 0.8 59.4 89.0#
98 2.0 40.7 61.1#



#42
cis-1,3-Dichloropropene
Concen: 0.487 ug/L
RT: 10.04 min Scan# 1335
Delta R.T. -0.03 min
Lab File: VW017533.D
Acq: 03 Dec 2020 15:12

Tgt Ion: 75 Resp: 4684
Ion Ratio Lower Upper
75 100
77 43.7 22.7 42.3#





#44

Toluene

Concen: 0.923 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017533.D

Acq: 03 Dec 2020 15:12

Instrument :

MSVOA_W

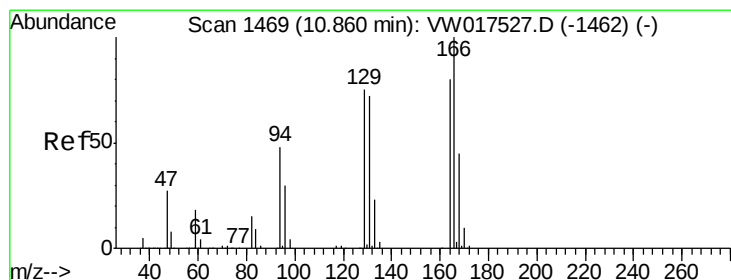
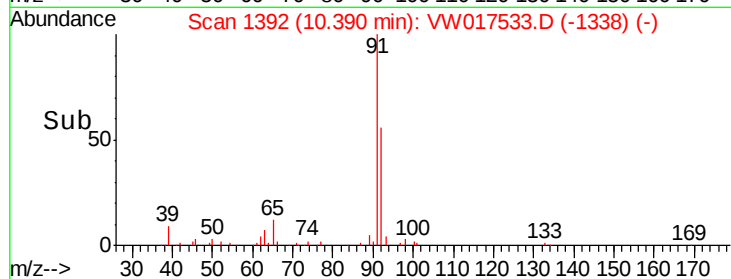
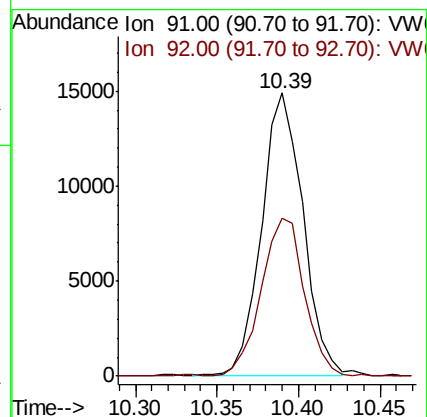
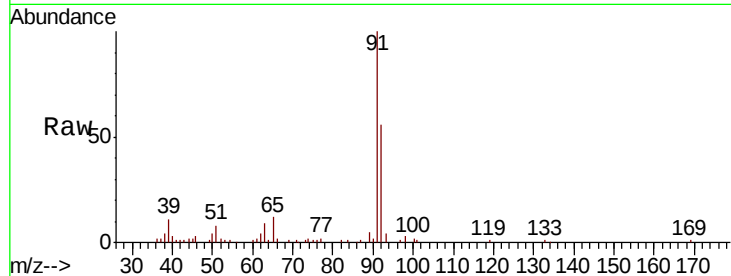
ClientSampleId :

Tot Ion: 91 Resp: 26283

Ion Ratio Lower Upper

91 100

92 55.7 41.6 77.3



#47

Tetrachloroethene

Concen: 2022.930 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW017533.D

Acq: 03 Dec 2020 15:12

Tgt Ion:164 Resp:12642924

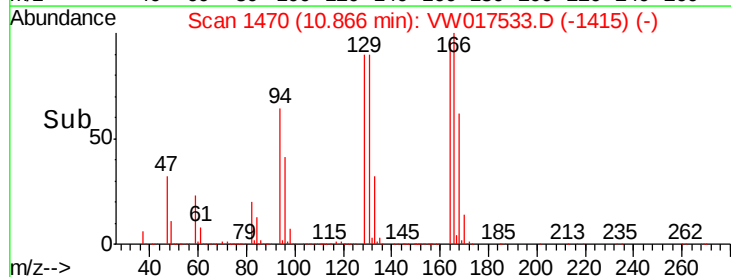
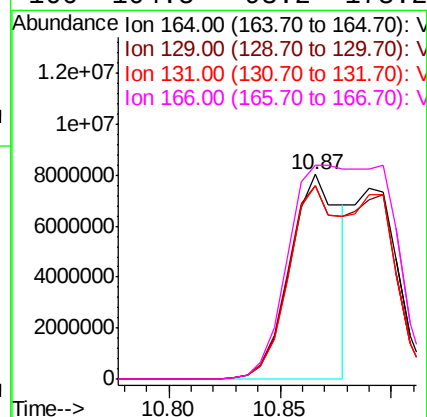
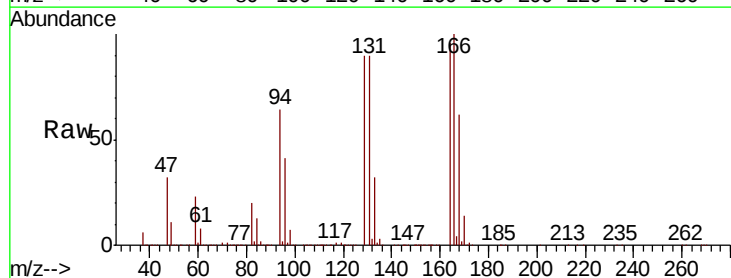
Ion Ratio Lower Upper

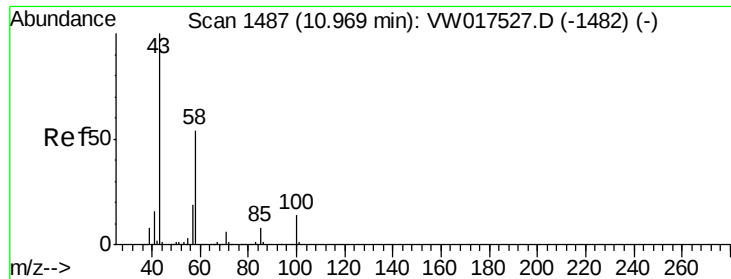
164 100

129 94.3 67.6 125.6

131 94.5 65.2 121.2

166 104.5 93.2 173.2

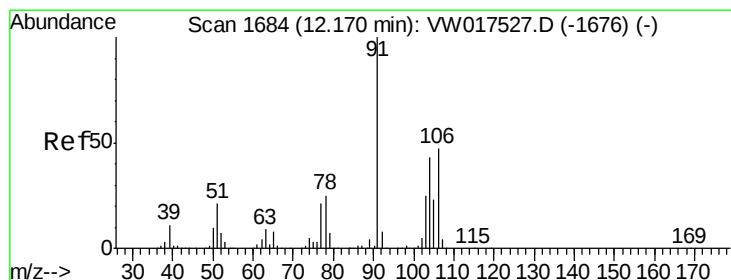
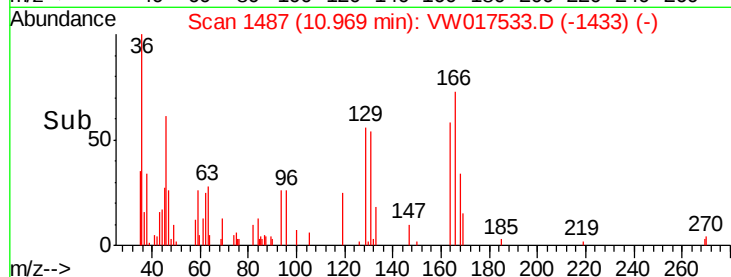
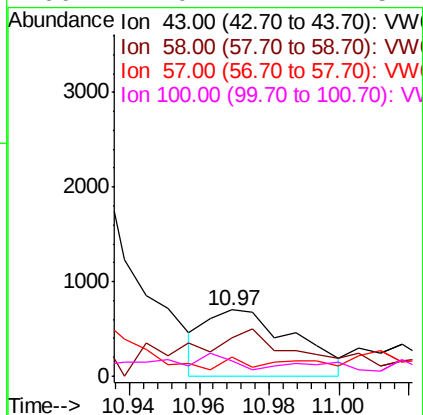
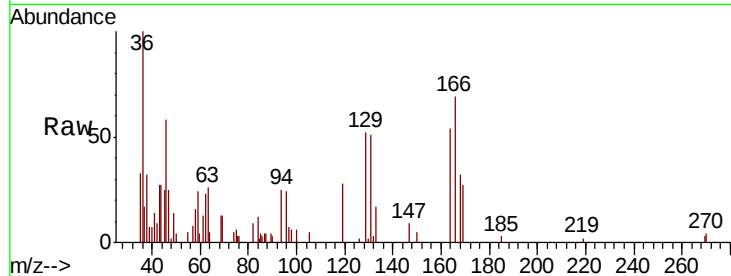




#49
2-Hexanone
Concen: 0.609 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017533.D
Acq: 03 Dec 2020 15:12

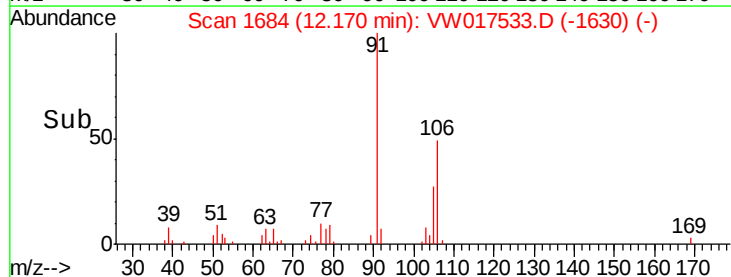
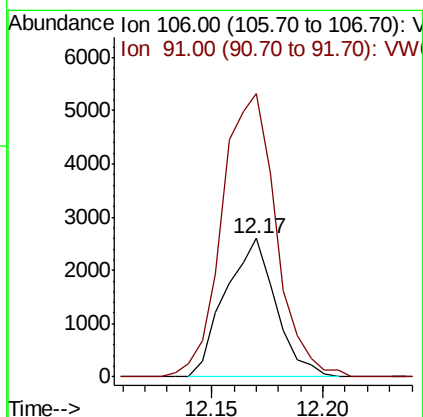
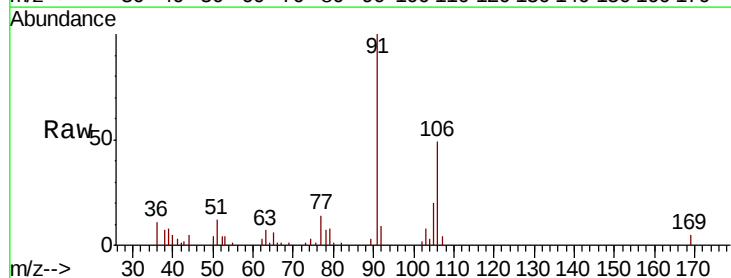
Instrument :
MSVOA_W
ClientSampleId :

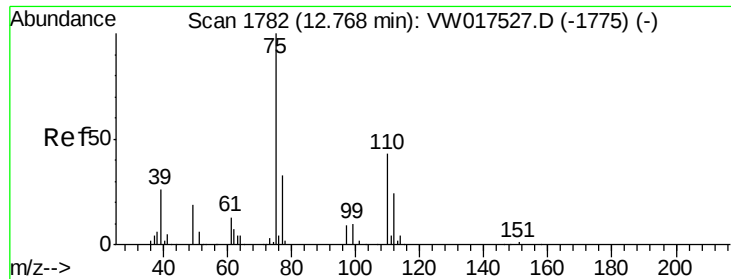
Tot Ion: 43 Resp: 1231
Ion Ratio Lower Upper
43 100
58 55.7 51.3 76.9
57 6.6 15.0 22.6#
100 14.0 12.2 18.2



#55
o-xylene
Concen: 0.359 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW017533.D
Acq: 03 Dec 2020 15:12

Tgt Ion: 106 Resp: 4117
Ion Ratio Lower Upper
106 100
91 204.1 147.6 274.2





#59

1,2,3-Trichloropropane

Concen: 4.374 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017533.D

Acq: 03 Dec 2020 15:12

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 16180

Ion Ratio Lower Upper

75 100

77 33.0 26.6 39.8

