

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011421\
 Data File : VW017874.D
 Acq On : 14 Jan 2021 12:56
 Operator : SY/VA
 Sample : M1117-02RE
 Misc : 5.83G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 14 21:45:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 14 21:44:45 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	278159	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	200315	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	49708	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	114777	26.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.68%
7) Chloroethane-d5	2.89	69	96139	27.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.28%
10) 1,1-Dichloroethene-d2	4.02	63	143932	19.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.80%
20) 2-Butanone-d5	7.08	46	54687	78.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	156.80%#
24) Chloroform-d	7.65	84	197994	27.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.96%
26) 1,2-Dichloroethane-d4	8.31	65	121104	32.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	128.76%
29) Benzene-d6	8.27	84	376330	33.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	133.40%
33) 1,2-Dichloropropane-d6	9.27	67	112941	36.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	145.24%#
37) Toluene-d8	10.32	98	296901	27.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.60%
38) trans-1,3-Dichloropropene-	10.58	79	41542	29.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	119.84%
39) 2-Hexanone-d5	10.93	63	35332	90.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	180.92%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	83701	36.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	145.00%#
61) 1,2-Dichlorobenzene-d4	13.85	152	44793	25.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.52%

Target Compounds

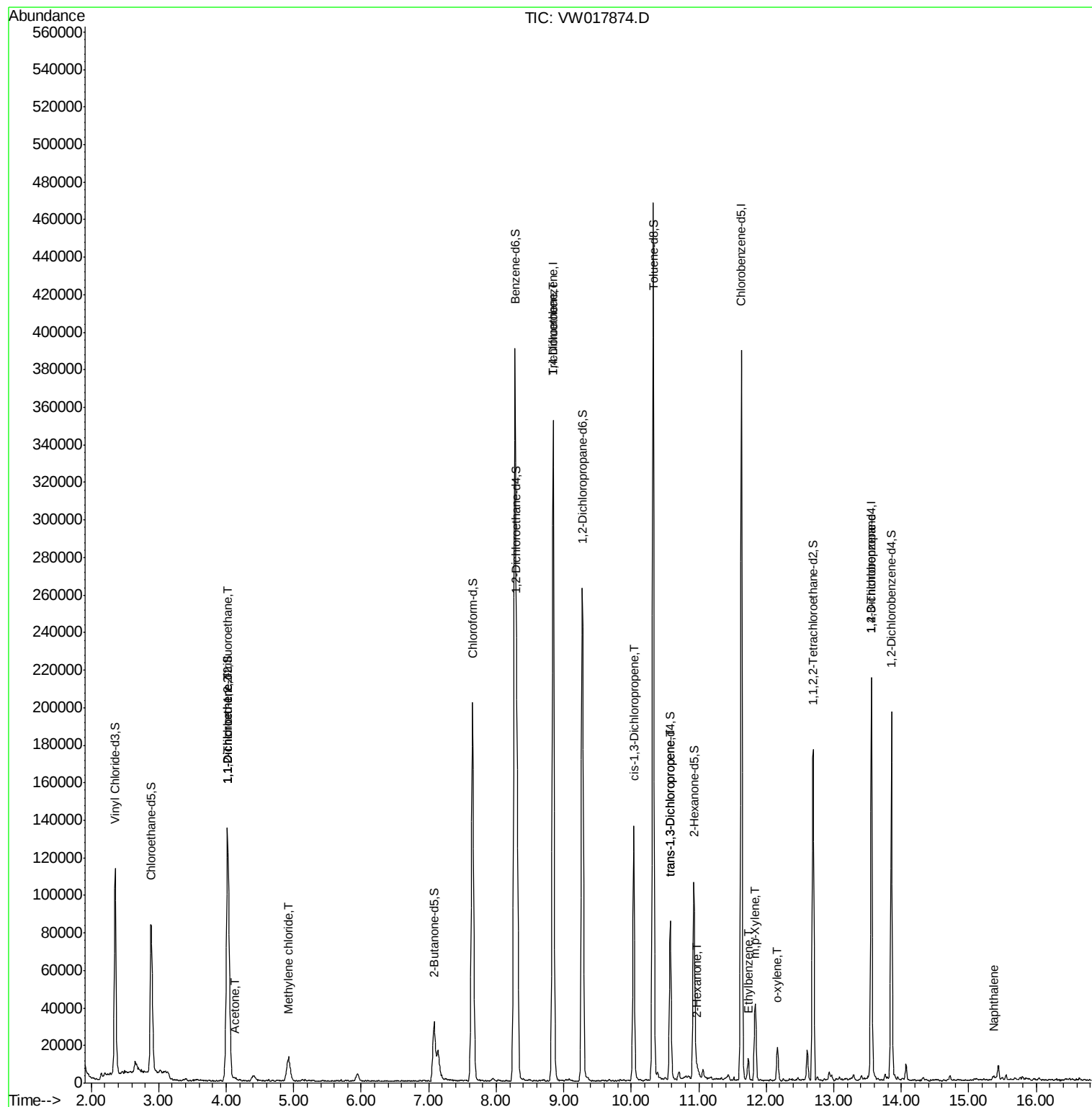
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	1526	0.432	ug/L #	20
12) 1,1-Dichloroethene	4.02	96	1155	0.337	ug/L #	1
13) Acetone	4.13	43	1026	1.703	ug/L	97
16) Methylene chloride	4.91	84	10072	2.532	ug/L	93
35) Trichloroethene	8.84	95	9024	2.846	ug/L #	4
42) cis-1,3-Dichloropropene	10.04	75	4084	0.947	ug/L	91
45) trans-1,3-Dichloropropene	10.59	75	2288	0.623	ug/L	85
49) 2-Hexanone	10.98	43	851	0.913	ug/L #	78
53) Ethylbenzene	11.73	91	7147	0.482	ug/L	93
54) m,p-Xylene	11.83	106	11821	2.039	ug/L	96
55) o-xylene	12.16	106	4434	0.813	ug/L	100
59) 1,2,3-Trichloropropane	13.55	75	7999	4.851	ug/L	100
69) Naphthalene	15.37	128	1059	0.321	ug/L #	69

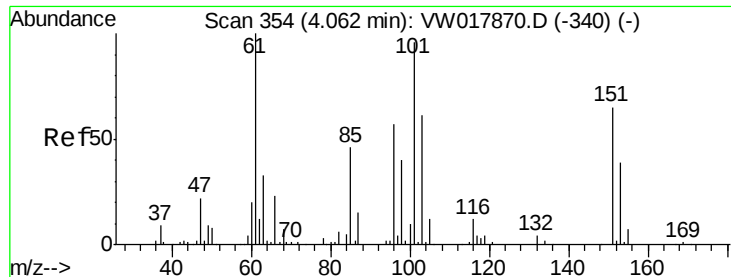
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Jan 14 21:44:45 2021
Response via : Initial Calibration





#11

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

Concen: 0.432 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.04 min

Lab File: VW017874.D

Acq: 14 Jan 2021 12:56

Instrument :

MSVOA_W

ClientSampled :

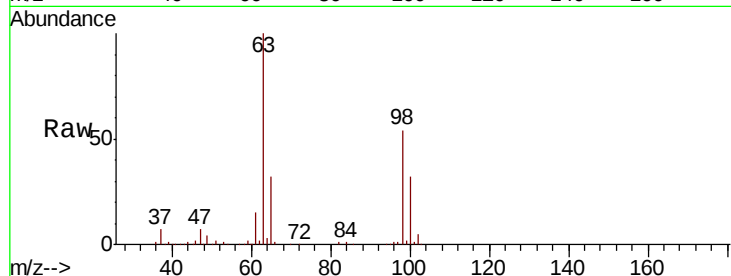
Tot Ion:101 Resp: 1526

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

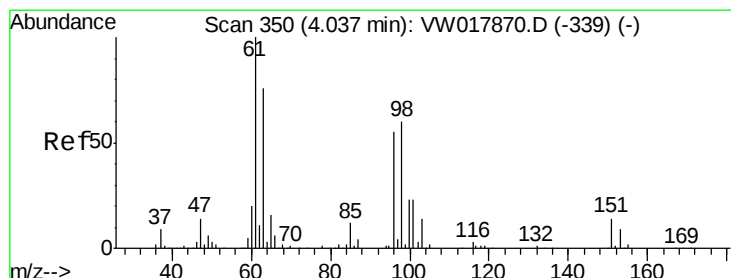
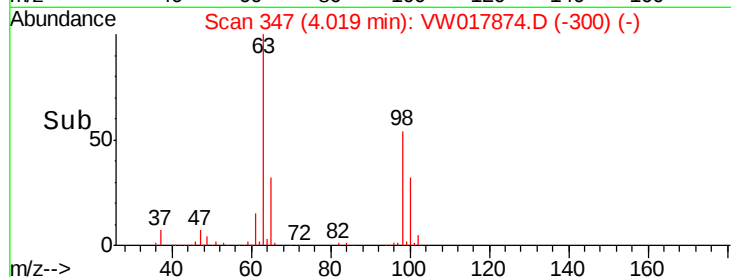
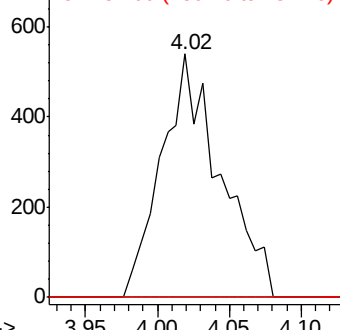
151 0.0 57.7 86.5#



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



#12

1,1-Dichloroethene

Concen: 0.337 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.02 min

Lab File: VW017874.D

Acq: 14 Jan 2021 12:56

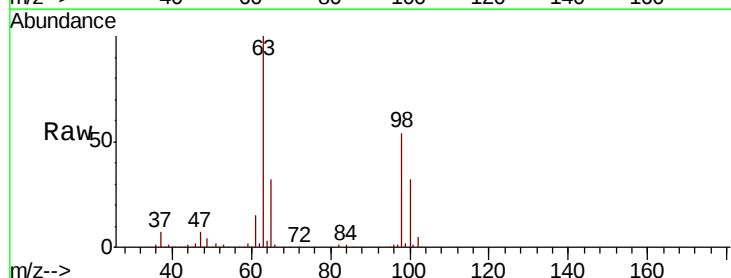
Tgt Ion: 96 Resp: 1155

Ion Ratio Lower Upper

96 100

61 1298.9 126.1 234.1#

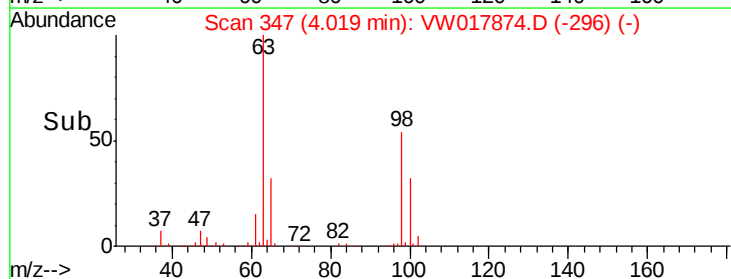
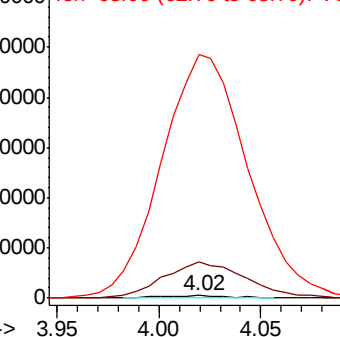
63 8650.3 90.0 167.2#

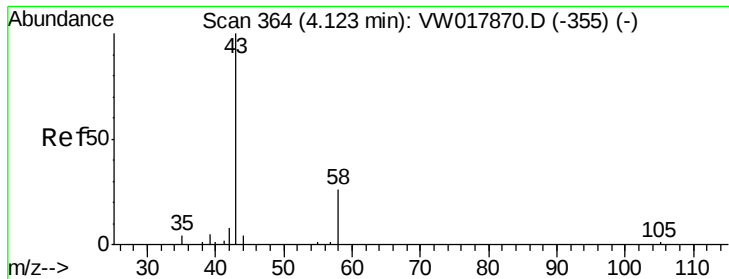


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 1.703 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW017874.D

Acq: 14 Jan 2021 12:56

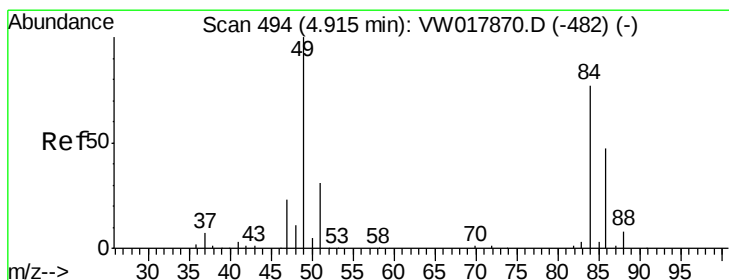
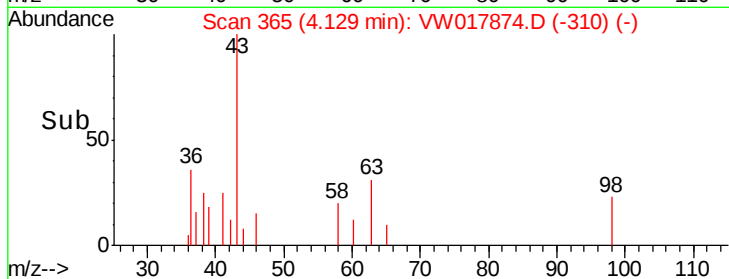
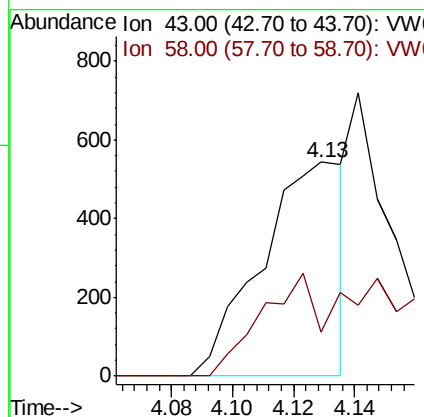
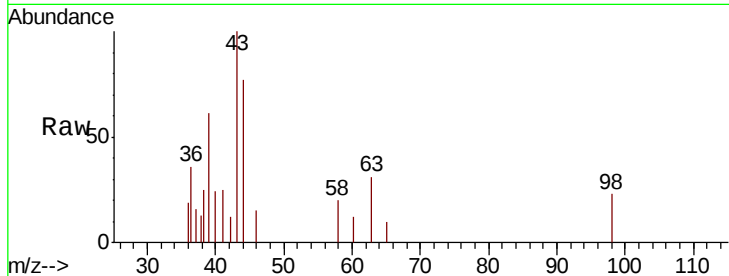
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1026

Ion Ratio Lower Upper

43 100

58 32.1 0.0 60.8



#16

Methylene chloride

Concen: 2.532 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW017874.D

Acq: 14 Jan 2021 12:56

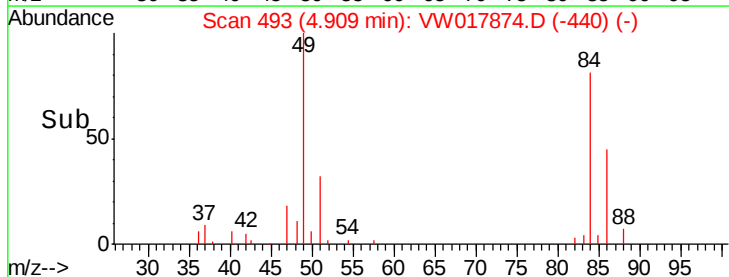
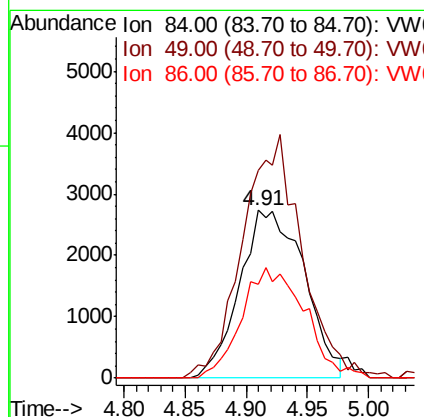
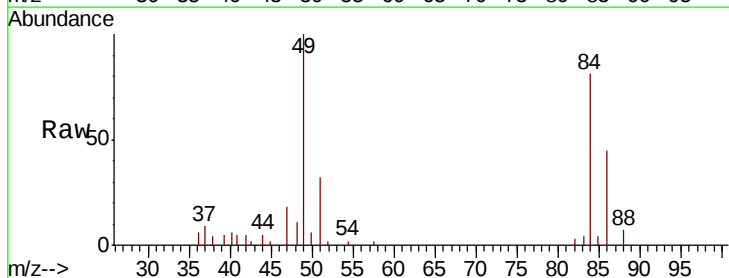
Tgt Ion: 84 Resp: 10072

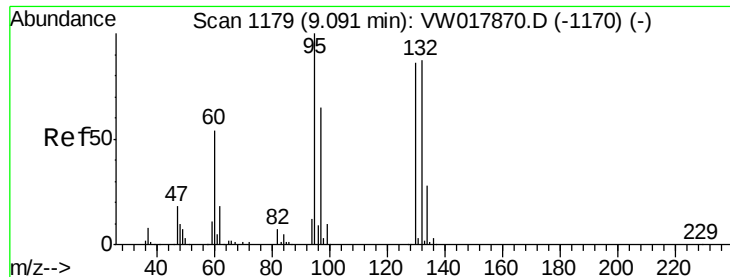
Ion Ratio Lower Upper

84 100

49 123.8 90.5 168.1

86 56.0 44.8 83.2





#35

Trichloroethene

Concen: 2.846 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW017874.D

Acq: 14 Jan 2021 12:56

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 9024

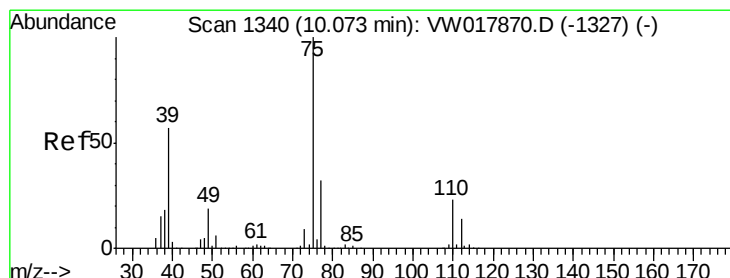
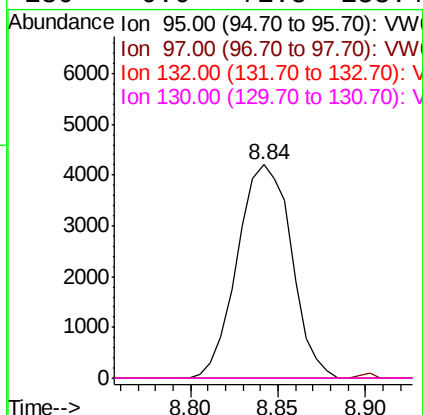
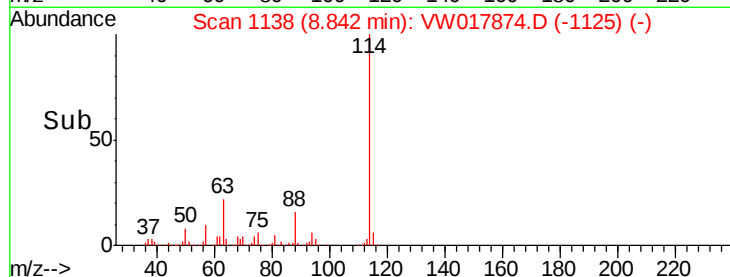
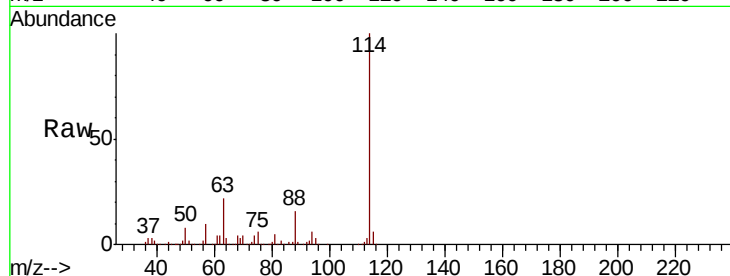
Ion Ratio Lower Upper

95 100

97 0.6 46.8 87.0#

132 0.3 68.3 126.9#

130 0.0 71.8 133.4#



#42

cis-1,3-Dichloropropene

Concen: 0.947 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017874.D

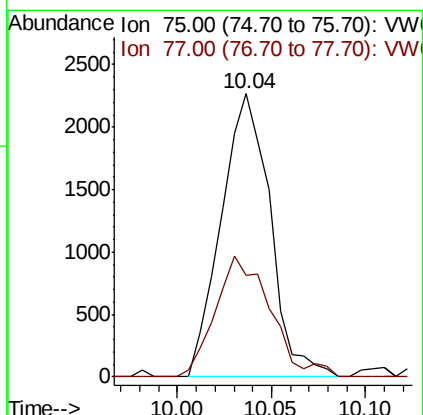
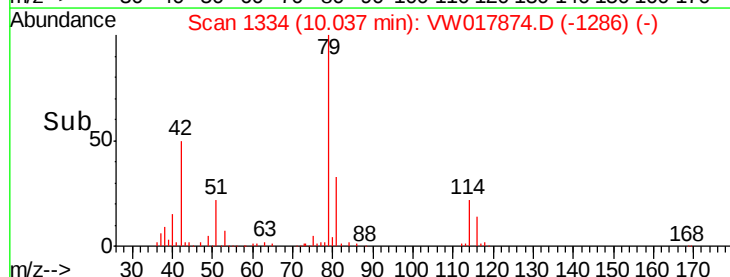
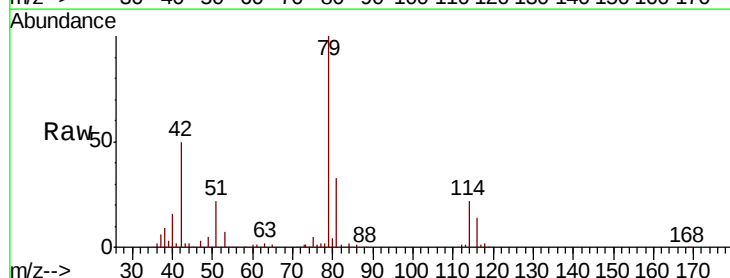
Acq: 14 Jan 2021 12:56

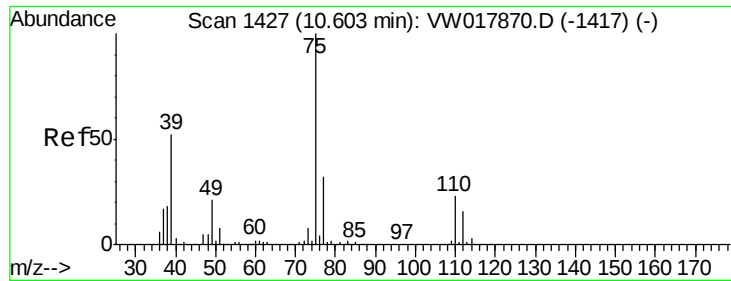
Tgt Ion: 75 Resp: 4084

Ion Ratio Lower Upper

75 100

77 36.0 21.6 40.2





#45

trans-1,3-Dichloropropene

Concen: 0.623 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017874.D

Acq: 14 Jan 2021 12:56

Instrument :

MSVOA_W

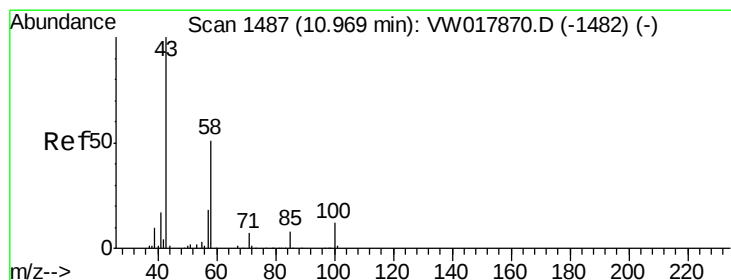
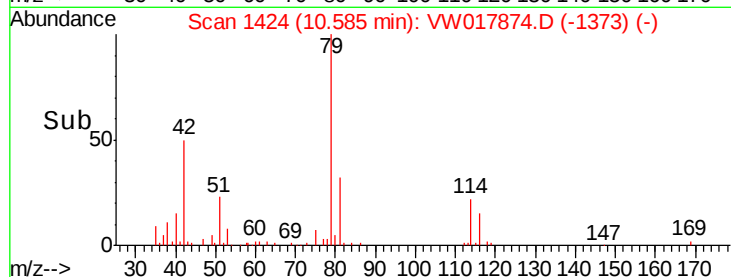
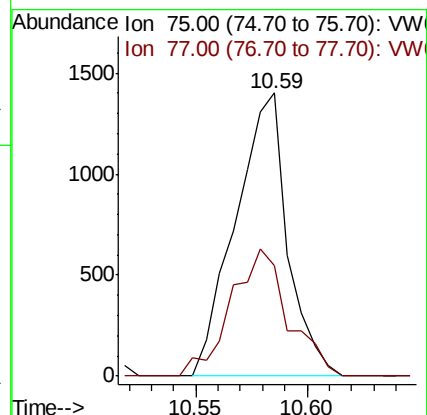
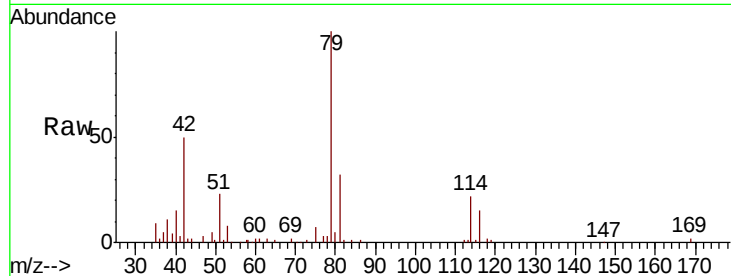
ClientSampleId :

Tot Ion: 75 Resp: 2288

Ion Ratio Lower Upper

75 100

77 39.0 21.6 40.0



#49

2-Hexanone

Concen: 0.913 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW017874.D

Acq: 14 Jan 2021 12:56

Tgt Ion: 43 Resp: 851

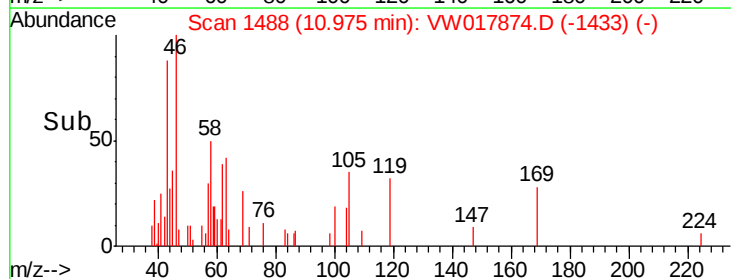
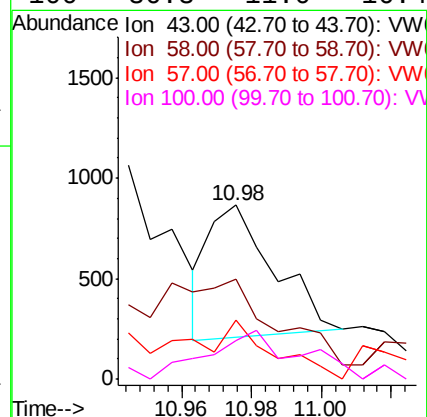
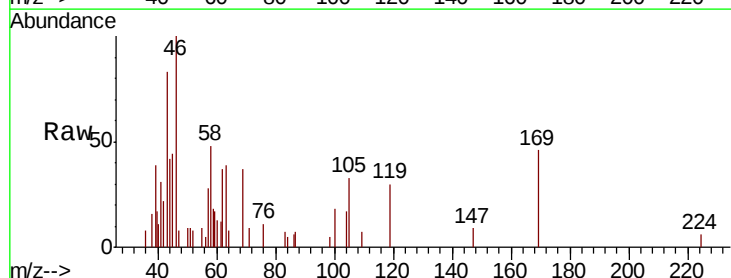
Ion Ratio Lower Upper

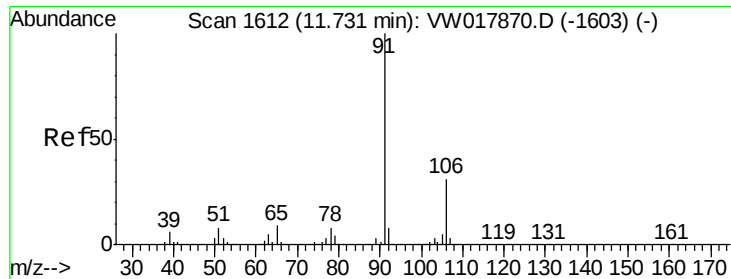
43 100

58 63.8 44.2 66.4

57 32.2 16.1 24.1#

100 36.3 11.0 16.4#

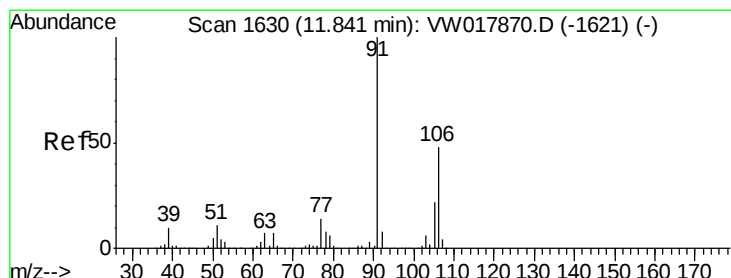
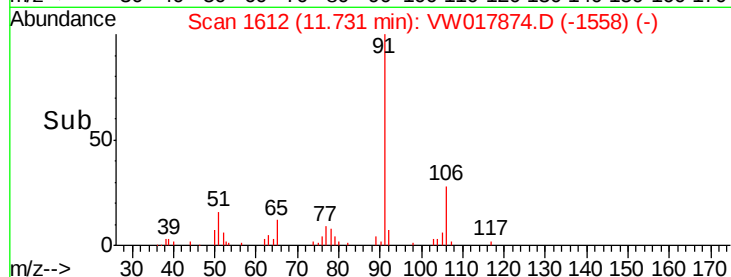
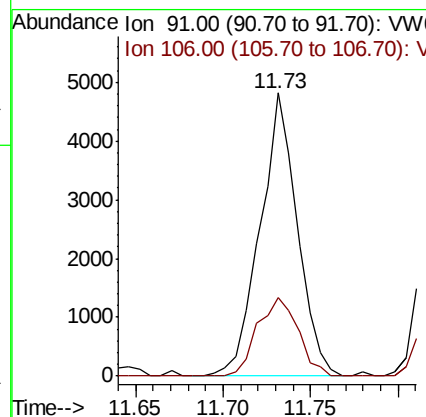
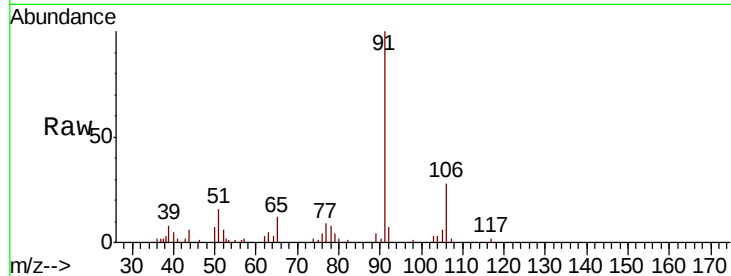




#53
Ethylbenzene
Concen: 0.482 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017874.D
Acq: 14 Jan 2021 12:56

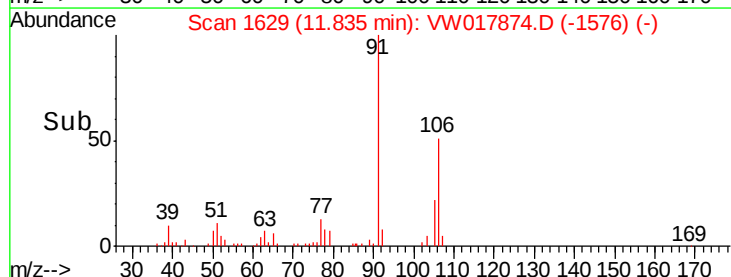
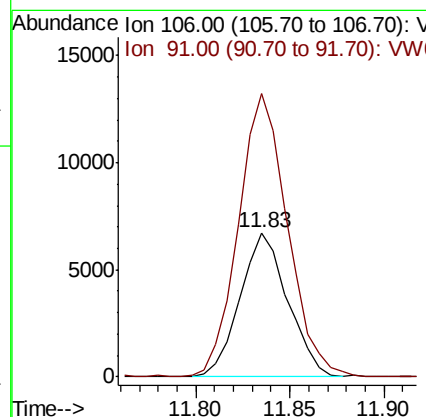
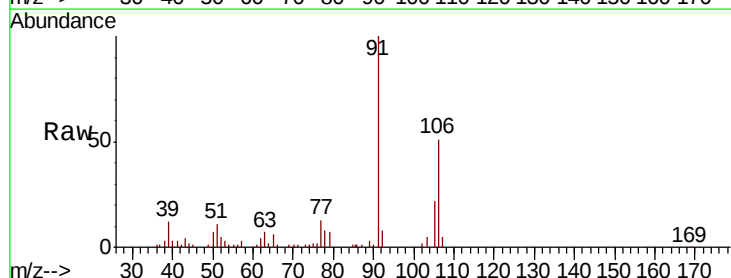
Instrument :
MSVOA_W
ClientSampled :

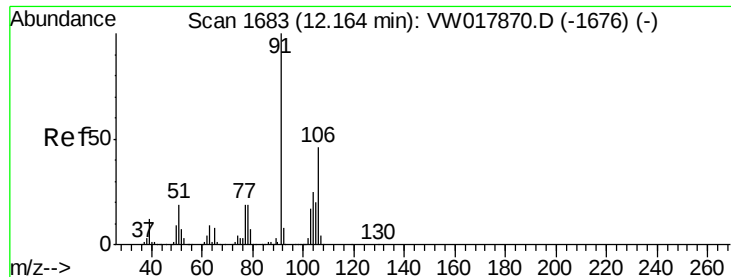
Tot Ion: 91 Resp: 7147
Ion Ratio Lower Upper
91 100
106 27.6 22.0 41.0



#54
m,p-Xylene
Concen: 2.039 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW017874.D
Acq: 14 Jan 2021 12:56

Tgt Ion: 106 Resp: 11821
Ion Ratio Lower Upper
106 100
91 196.8 141.6 263.0





#55

o-xylene

Concen: 0.813 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW017874.D

Acq: 14 Jan 2021 12:56

Instrument :

MSVOA_W

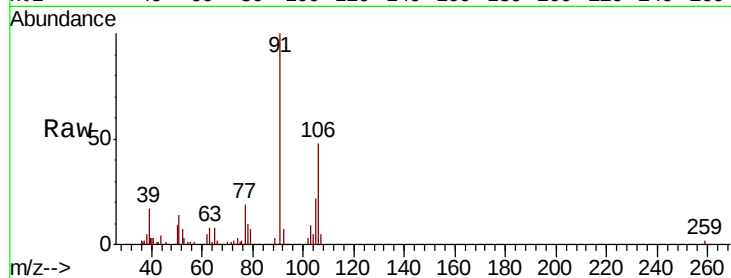
ClientSampled :

Tot Ion:106 Resp: 4434

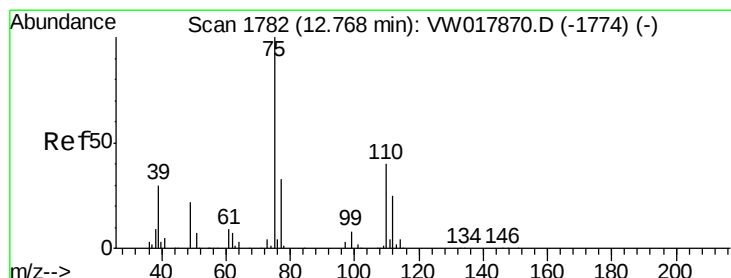
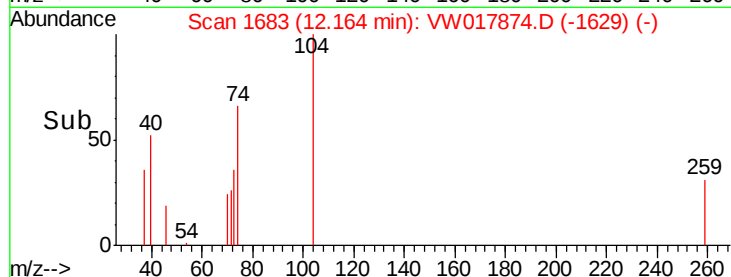
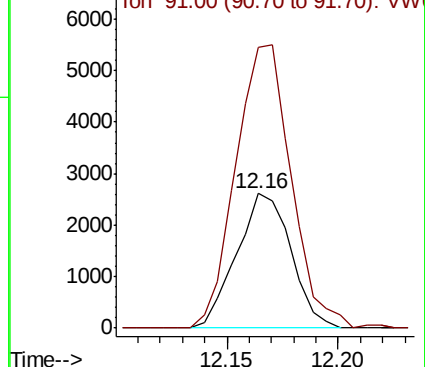
Ion Ratio Lower Upper

106 100

91 208.7 145.7 270.7



Abundance Ion 106.00 (105.70 to 106.70): VW



#59

1,2,3-Trichloropropane

Concen: 4.851 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW017874.D

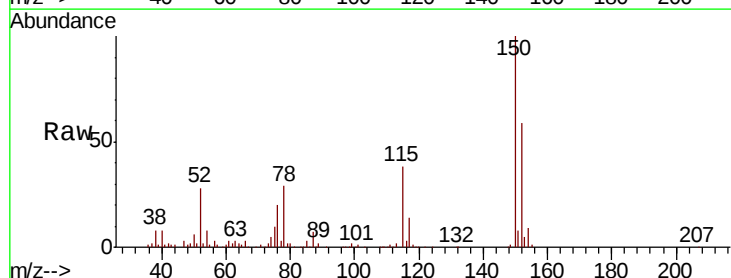
Acq: 14 Jan 2021 12:56

Tgt Ion: 75 Resp: 7999

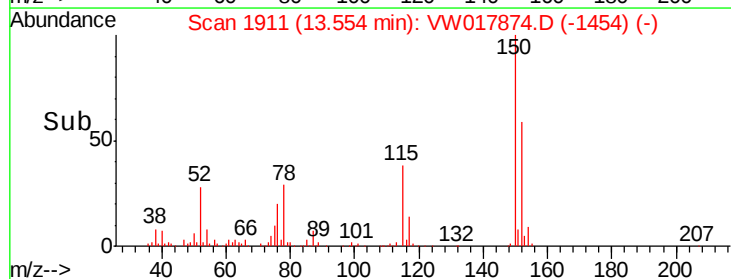
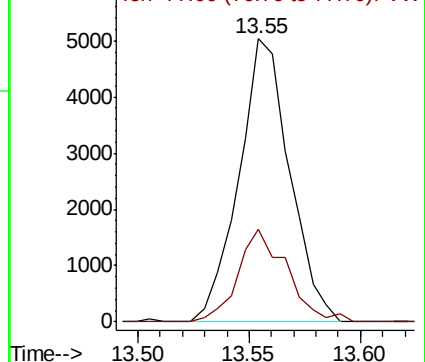
Ion Ratio Lower Upper

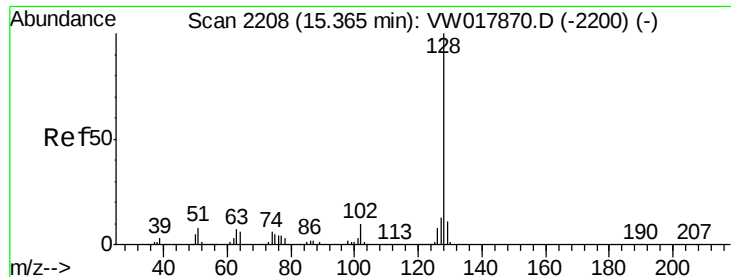
75 100

77 31.5 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VW





#69

Naphthalene

Concen: 0.321 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

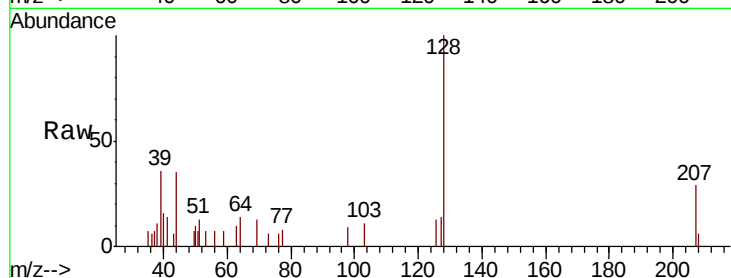
Lab File: VW017874.D

Acq: 14 Jan 2021 12:56

Instrument :

MSVOA_W

ClientSampleId :



Tot Ion:	128	Resp:	1059
Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.8	13.2#
127	0.0	10.6	15.8#

