

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011321\
 Data File : VW017852.D
 Acq On : 13 Jan 2021 17:05
 Operator : SY/VA
 Sample : M1117-05
 Misc : 5.55G/10ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFN62

Quant Time: Jan 14 11:42:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 14 11:39:57 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	298995	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	240983	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	80169	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	128030	27.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.68%
7) Chloroethane-d5	2.89	69	103775	27.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.72%
10) 1,1-Dichloroethene-d2	4.02	63	159924	19.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.36%
20) 2-Butanone-d5	7.07	46	53356	71.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	142.32%#
24) Chloroform-d	7.65	84	215042	27.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.08%
26) 1,2-Dichloroethane-d4	8.31	65	126583	31.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	125.20%
29) Benzene-d6	8.27	84	420711	30.99	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	123.96%
33) 1,2-Dichloropropane-d6	9.27	67	123969	33.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	132.52%#
37) Toluene-d8	10.32	98	359598	27.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.32%
38) trans-1,3-Dichloropropene-	10.58	79	46457	27.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	111.40%
39) 2-Hexanone-d5	10.93	63	32487	69.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	138.28%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	89259	32.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	128.52%#
61) 1,2-Dichlorobenzene-d4	13.85	152	74670	26.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.00%

Target Compounds

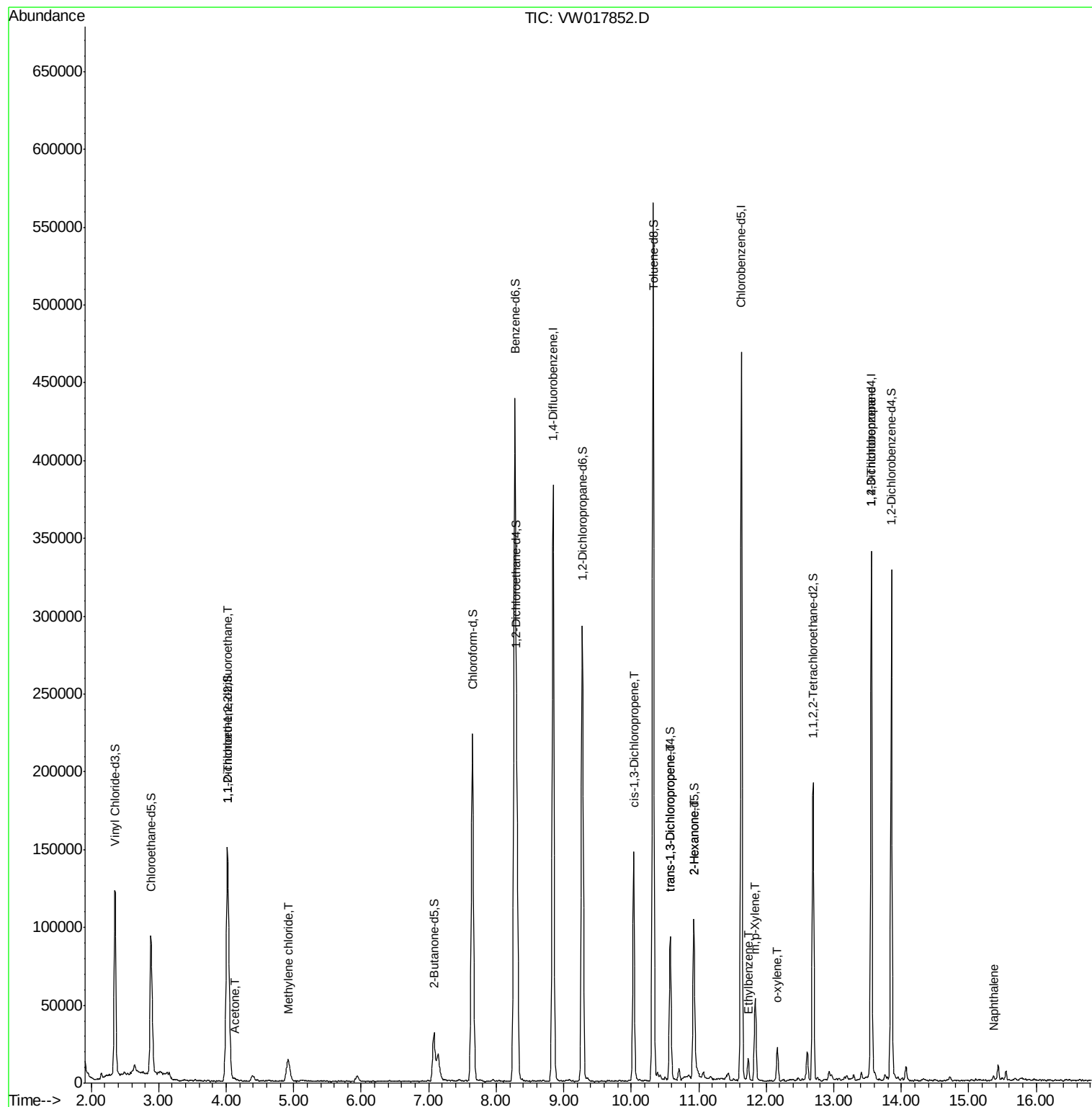
					Qvalue
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	1179	0.310 ug/L #	20
13) Acetone	4.13	43	1923	2.970 ug/L	78
16) Methylene chloride	4.92	84	11249	2.631 ug/L	86
42) cis-1,3-Dichloropropene	10.04	75	4551	0.877 ug/L #	82
45) trans-1,3-Dichloropropene	10.58	75	2685	0.607 ug/L #	74
49) 2-Hexanone	10.93	43	5076	4.527 ug/L #	67
53) Ethylbenzene	11.73	91	8883	0.498 ug/L	87
54) m,p-Xylene	11.83	106	14218	2.039 ug/L	96
55) o-xylene	12.16	106	5285	0.806 ug/L	79
59) 1,2,3-Trichloropropane	13.55	75	12498	6.300 ug/L	89
69) Naphthalene	15.36	128	2320	0.436 ug/L #	91

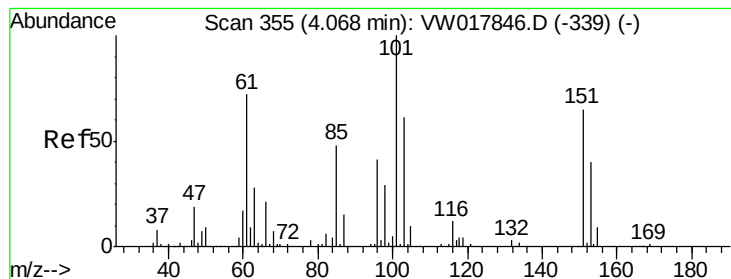
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#11

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

Concen: 0.310 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.05 min

Lab File: VW017852.D

Acq: 13 Jan 2021 17:05

Instrument :

MSVOA_W

ClientSampled :

BFN62

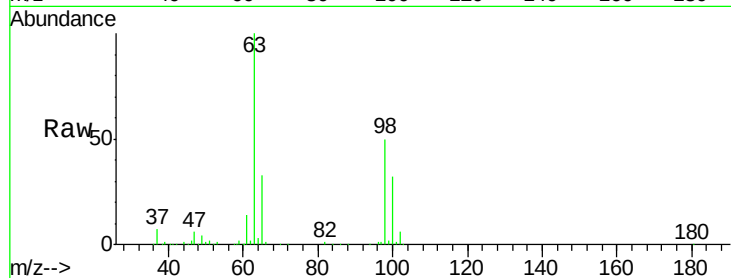
Tgt Ion: 101 Resp: 1179

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

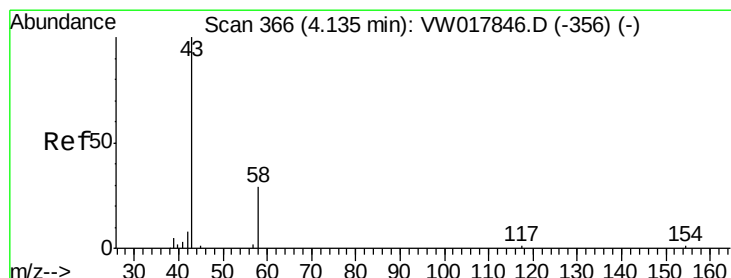
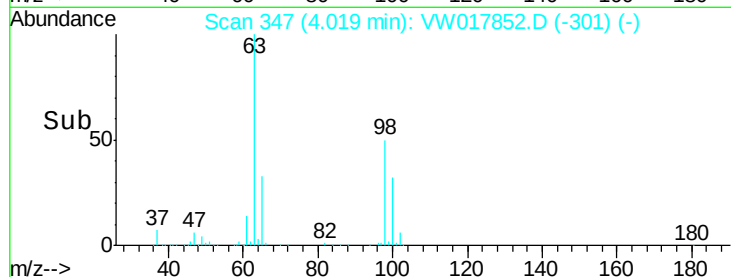
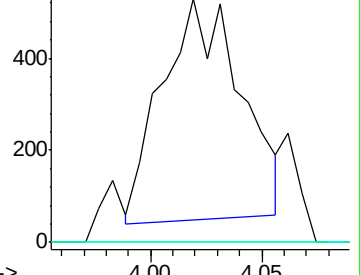
151 0.0 57.7 86.5#



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: 2.970 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW017852.D

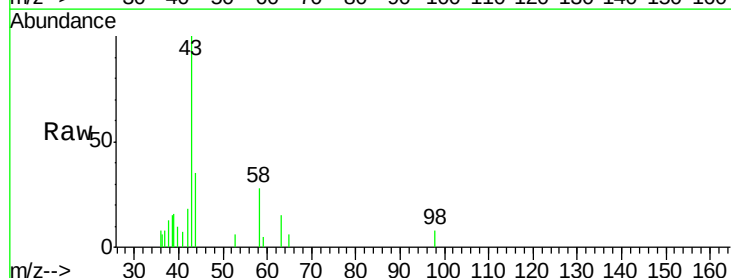
Acq: 13 Jan 2021 17:05

Tgt Ion: 43 Resp: 1923

Ion Ratio Lower Upper

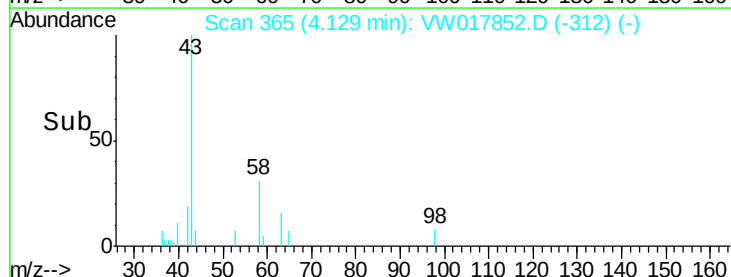
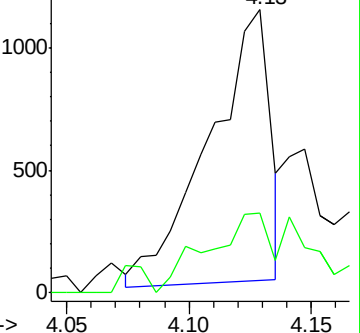
43 100

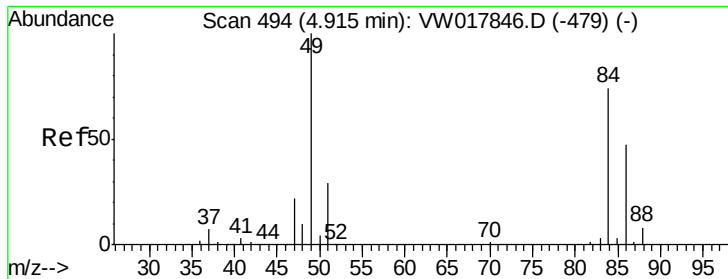
58 18.6 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

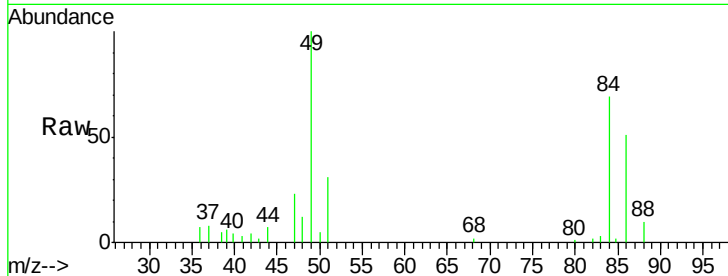




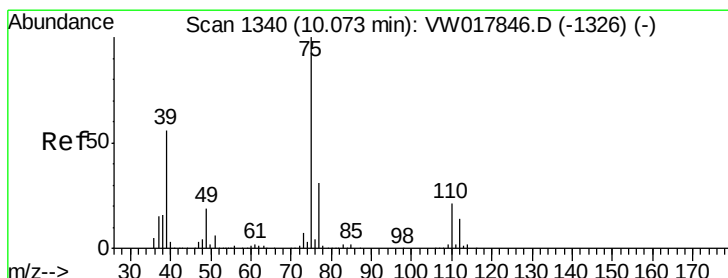
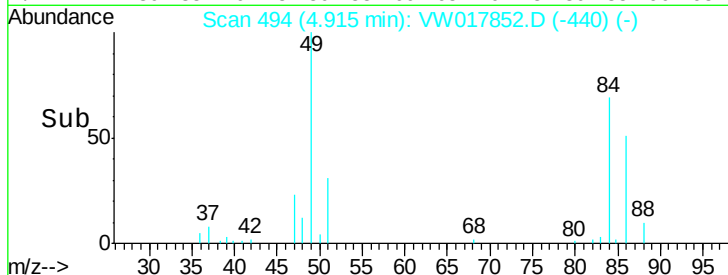
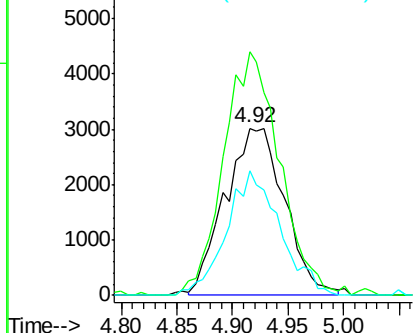
#16
Methylene chloride
Concen: 2.631 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW017852.D
Acq: 13 Jan 2021 17:05

Instrument :
MSVOA_W
ClientSampleId :
BFN62

Tgt Ion: 84 Resp: 11249
Ion Ratio Lower Upper
84 100
49 145.8 90.5 168.1
86 74.7 44.8 83.2

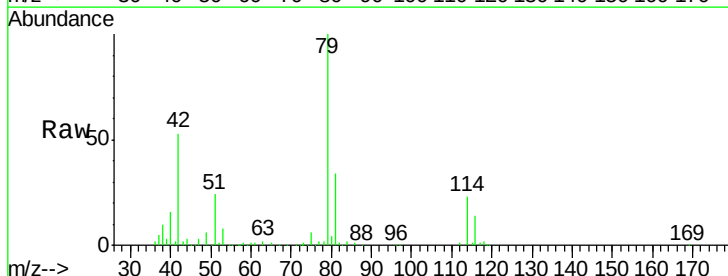


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

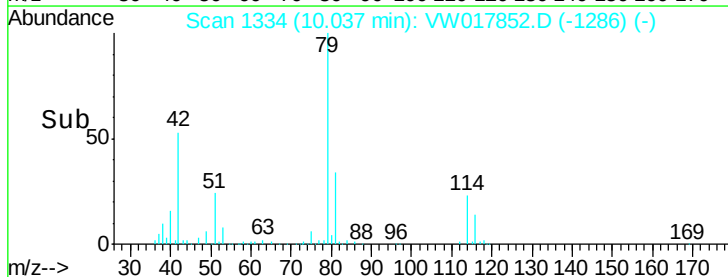
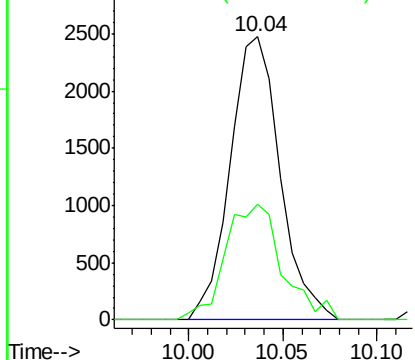


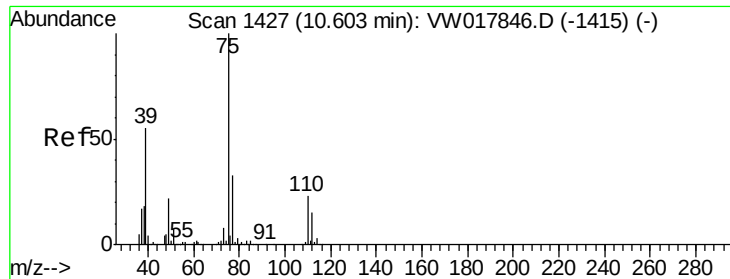
#42
cis-1,3-Dichloropropene
Concen: 0.877 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW017852.D
Acq: 13 Jan 2021 17:05

Tgt Ion: 75 Resp: 4551
Ion Ratio Lower Upper
75 100
77 40.7 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: 0.607 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW017852.D

Acq: 13 Jan 2021 17:05

Instrument :

MSVOA_W

ClientSampleId :

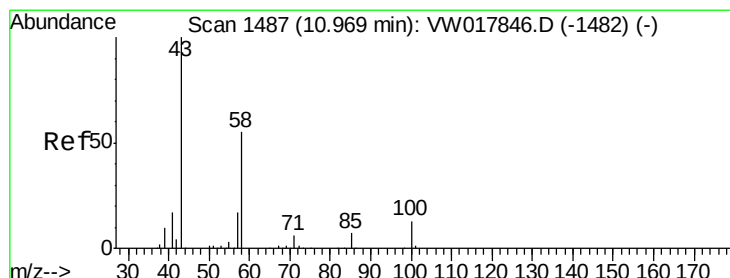
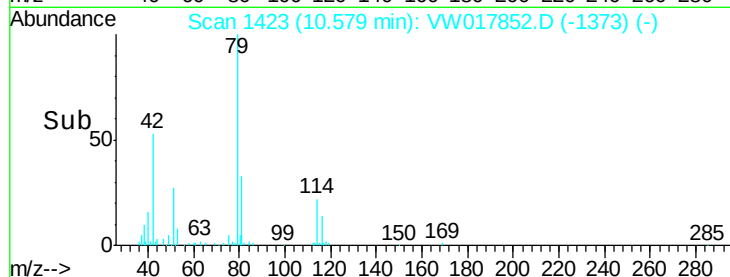
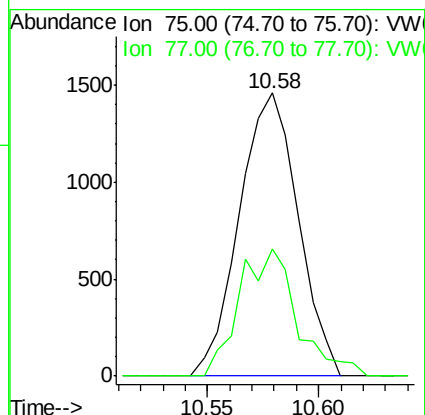
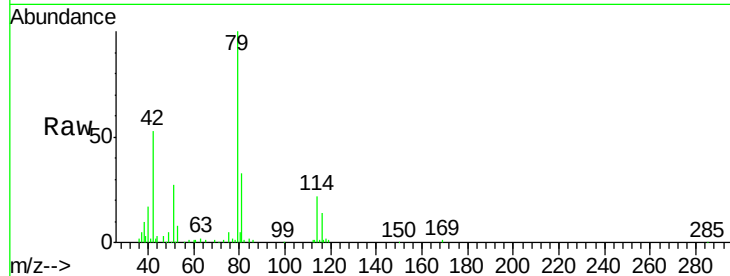
BFN62

Tgt Ion: 75 Resp: 2685

Ion Ratio Lower Upper

75 100

77 45.0 21.6 40.0#



#49

2-Hexanone

Concen: 4.527 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW017852.D

Acq: 13 Jan 2021 17:05

Tgt Ion: 43 Resp: 5076

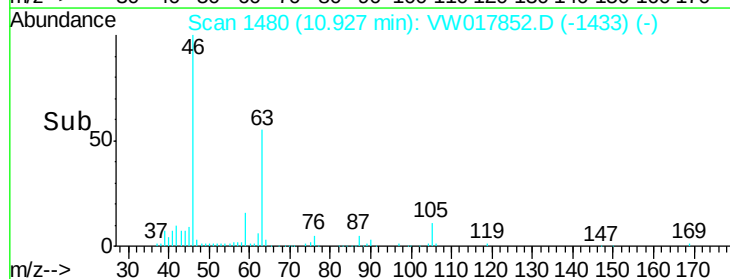
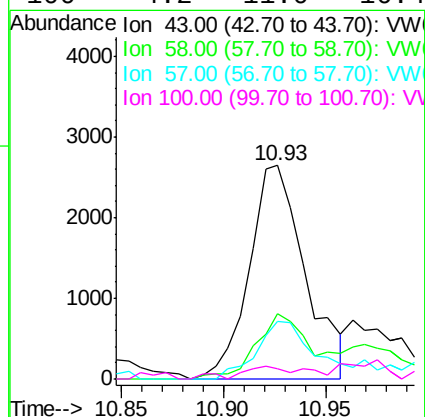
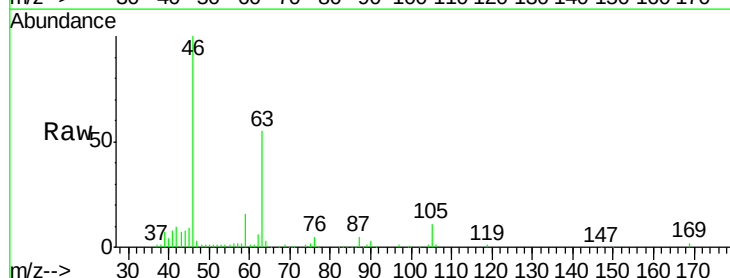
Ion Ratio Lower Upper

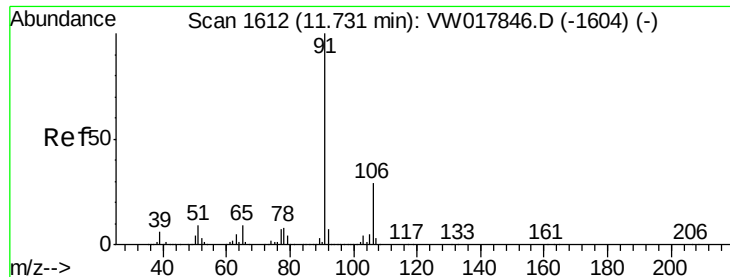
43 100

58 24.7 44.2 66.4#

57 27.6 16.1 24.1#

100 4.2 11.0 16.4#





#53

Ethylbenzene

Concen: 0.498 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017852.D

Acq: 13 Jan 2021 17:05

Instrument :

MSVOA_W

ClientSampleId :

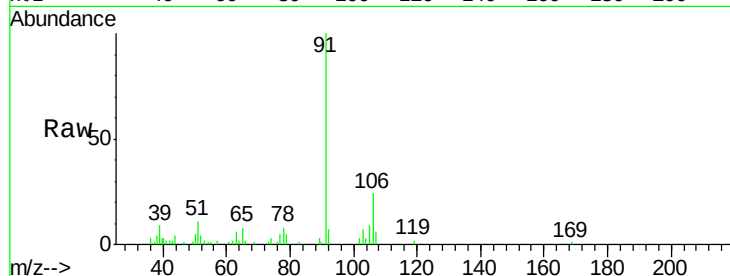
BFN62

Tgt Ion: 91 Resp: 8883

Ion Ratio Lower Upper

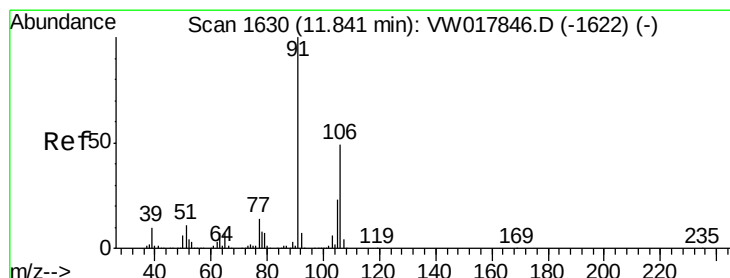
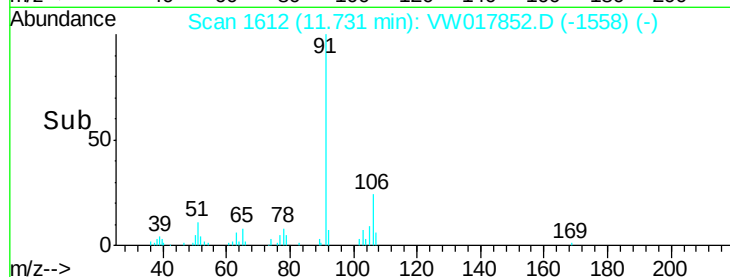
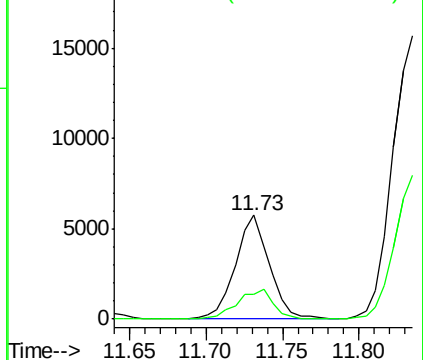
91 100

106 24.3 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 2.039 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW017852.D

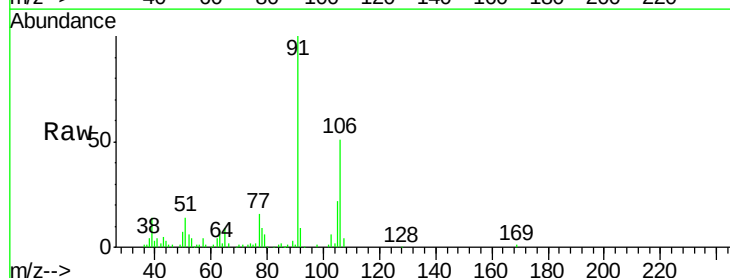
Acq: 13 Jan 2021 17:05

Tgt Ion: 106 Resp: 14218

Ion Ratio Lower Upper

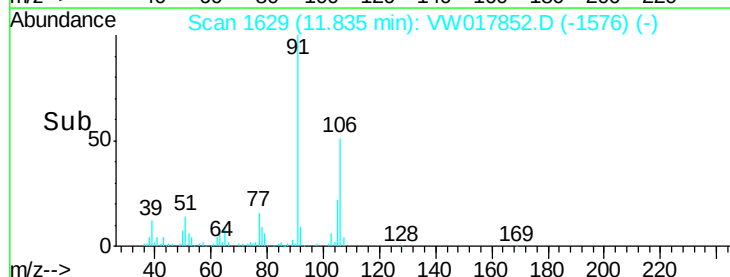
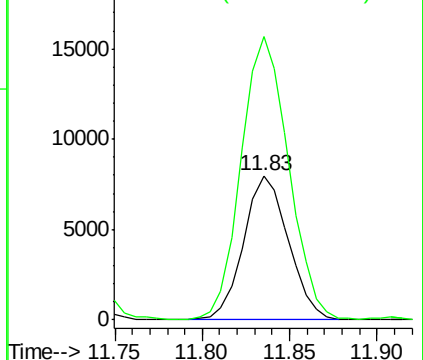
106 100

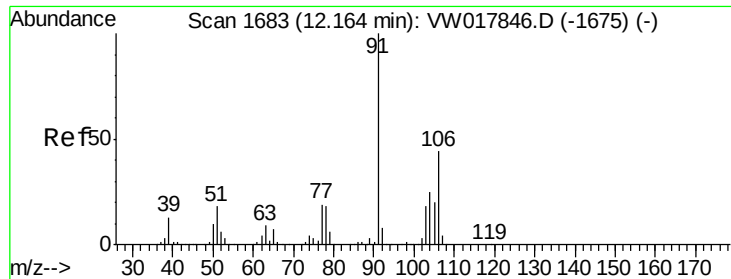
91 195.9 141.6 263.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

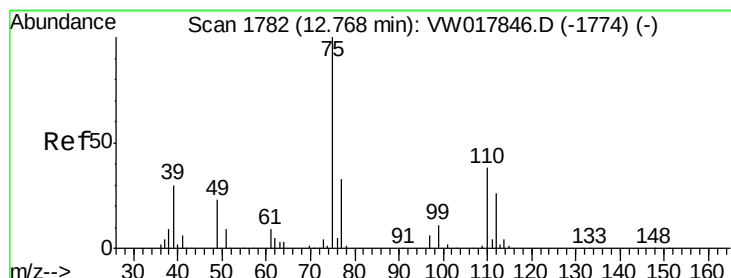
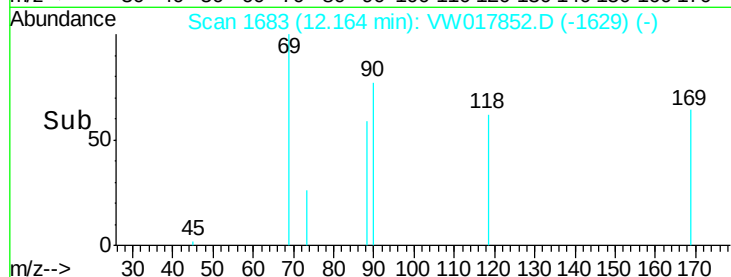
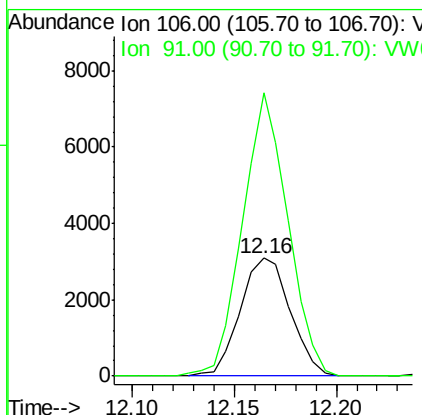
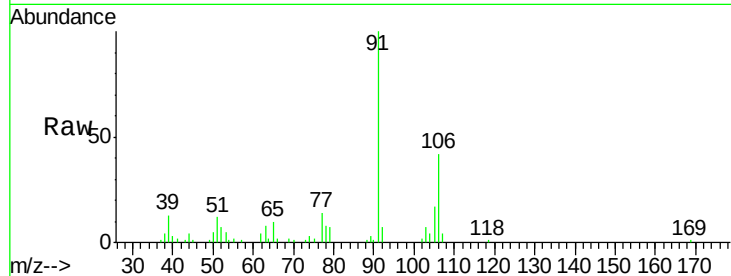




#55
o-xylene
Concen: 0.806 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW017852.D
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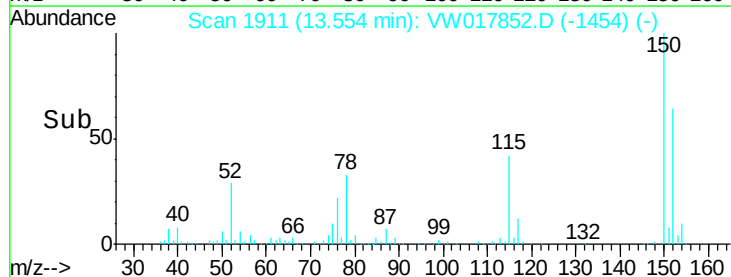
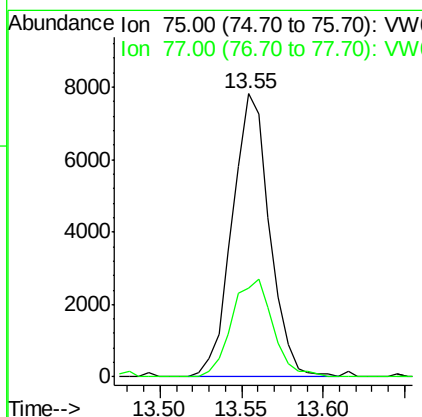
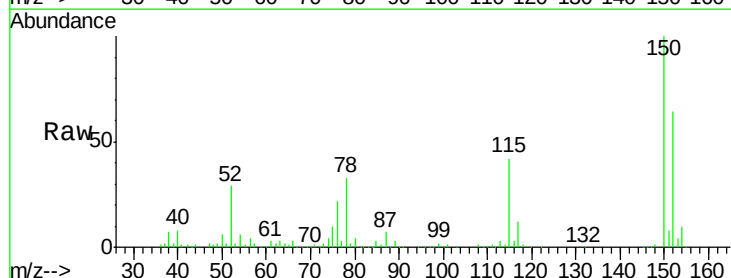
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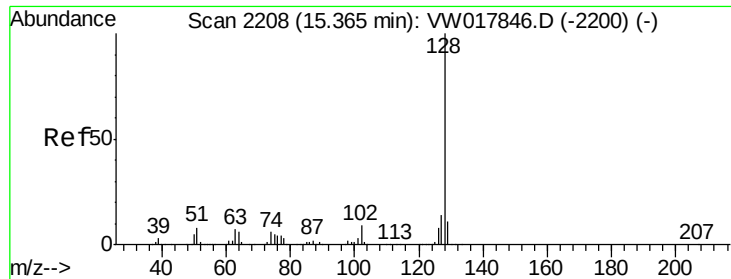
Tgt Ion: 106 Resp: 5285
Ion Ratio Lower Upper
106 100
91 240.3 145.7 270.7



#59
1,2,3-Trichloropropane
Concen: 6.300 ug/L
RT: 13.55 min Scan# 1911
Delta R.T. 0.79 min
Lab File: VW017852.D
Acq: 13 Jan 2021 17:05

Tgt Ion: 75 Resp: 12498
Ion Ratio Lower Upper
75 100
77 38.0 25.4 38.0





#69

Naphthalene

Concen: 0.436 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW017852.D

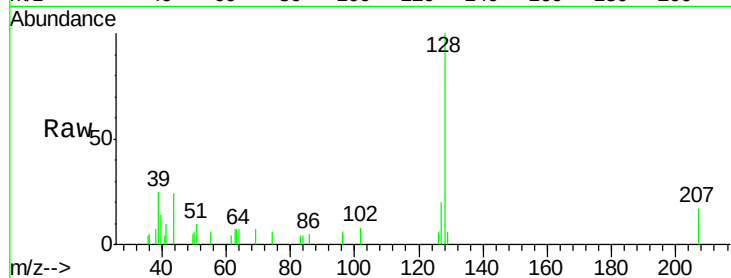
Acq: 13 Jan 2021 17:05

Instrument :

MSVOA_W

ClientSampleId :

BFN62



Tgt Ion:	128	Resp:	2320
Ion	Ratio	Lower	Upper
128	100		
129	5.6	8.8	13.2#
127	15.2	10.6	15.8

