

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011521\
 Data File : VW017907.D
 Acq On : 15 Jan 2021 18:56
 Operator : SY/VA
 Sample : M1099-17
 Misc : 7.50G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 18 02:10:18 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jan 18 02:07:49 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	313095	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	258116	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	91774	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	121983	25.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.72%
7) Chloroethane-d5	2.89	69	108454	27.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.52%
10) 1,1-Dichloroethene-d2	4.02	63	159290	18.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.48%
20) 2-Butanone-d5	7.08	46	47738	60.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.60%
24) Chloroform-d	7.65	84	217909	26.63	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.52%
26) 1,2-Dichloroethane-d4	8.31	65	124737	29.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	117.84%
29) Benzene-d6	8.27	84	417948	28.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.96%
33) 1,2-Dichloropropane-d6	9.27	67	122720	30.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	122.48%#
37) Toluene-d8	10.32	98	360217	25.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.20%
38) trans-1,3-Dichloropropene-	10.58	79	43489	24.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.36%
39) 2-Hexanone-d5	10.93	63	32211	64.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	84788	28.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	78989	24.72	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.88%

Target Compounds

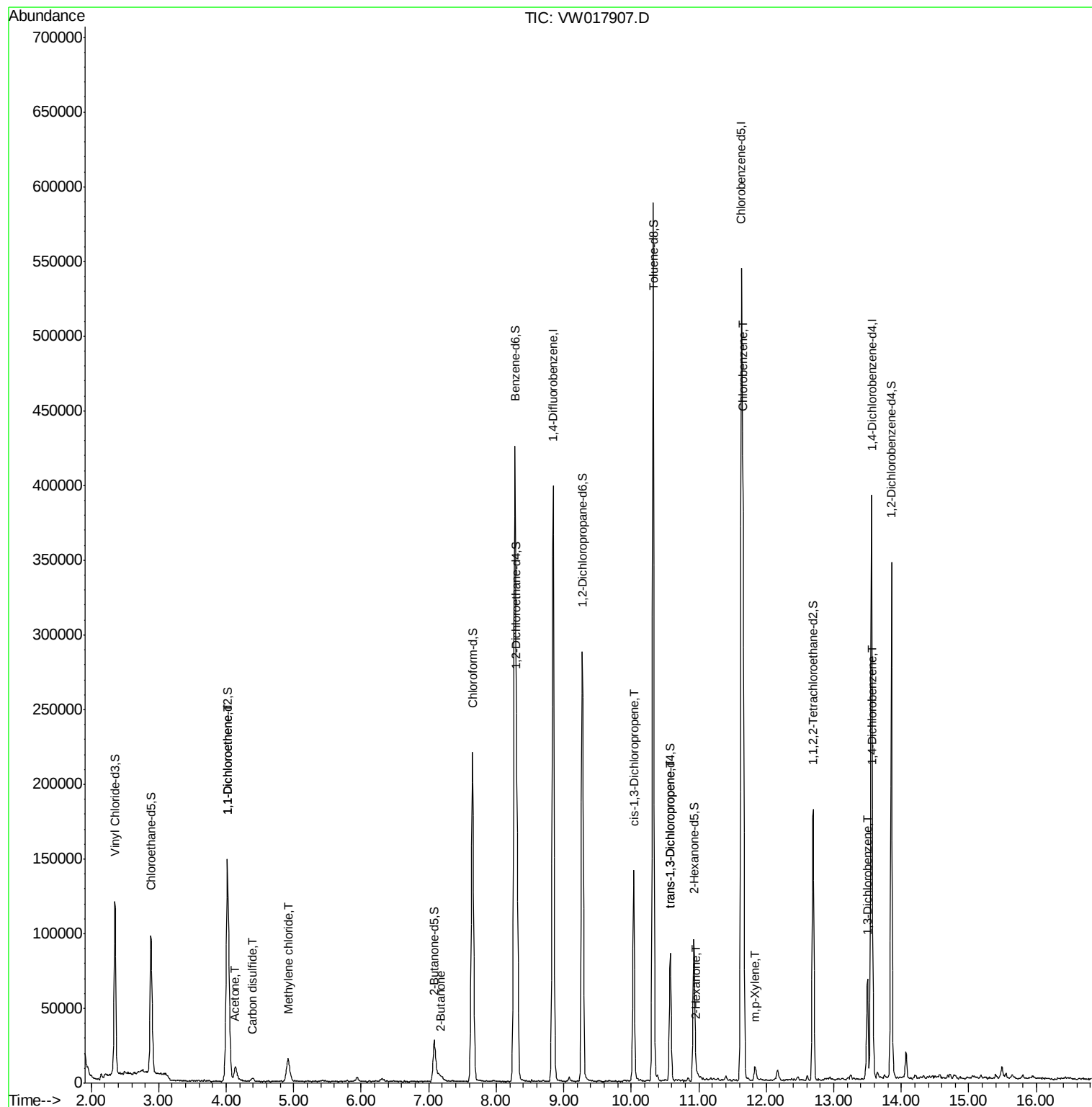
					Ovalue
12) 1,1-Dichloroethene	4.02	96	1281	0.332 ug/L #	1
13) Acetone	4.14	43	18664	27.528 ug/L	88
14) Carbon disulfide	4.39	76	4323	0.375 ug/L #	94
16) Methylene chloride	4.92	84	11510	2.571 ug/L	91
21) 2-Butanone	7.18	43	4096	4.491 ug/L	81
42) cis-1,3-Dichloropropene	10.03	75	4321	0.777 ug/L #	77
45) trans-1,3-Dichloropropene	10.58	75	2543	0.537 ug/L	85
49) 2-Hexanone	10.96	43	684	0.570 ug/L #	26
52) Chlorobenzene	11.66	112	182421	17.364 ug/L	94
54) m,p-Xylene	11.83	106	2592	0.347 ug/L	68
63) 1,3-Dichlorobenzene	13.50	146	24959	4.406 ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	19745	3.469 ug/L	93

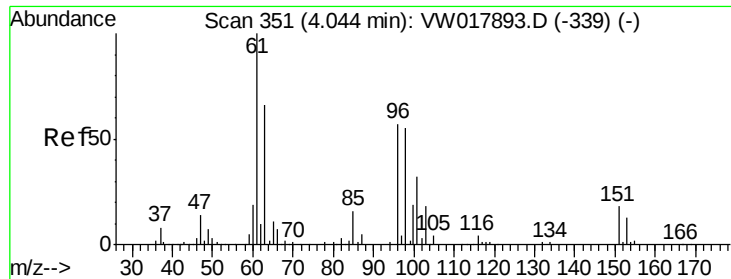
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.332 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.02 min

Lab File: VW017907.D

Acq: 15 Jan 2021 18:56

Instrument :
MSVOA_W
ClientSampled :

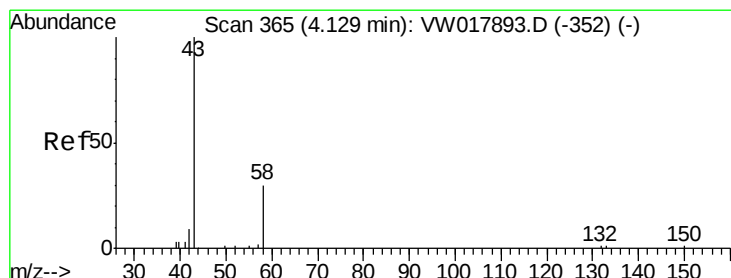
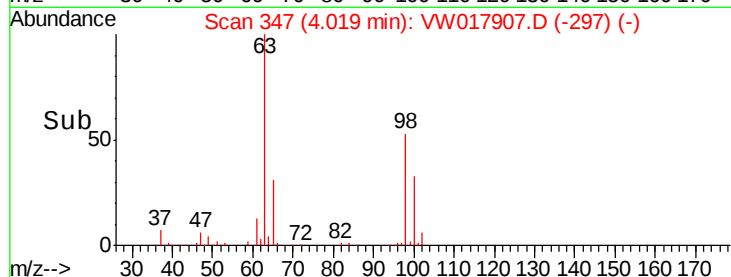
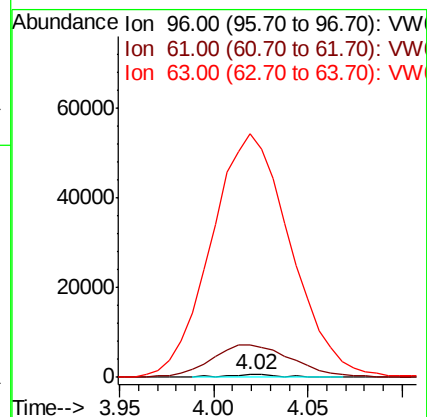
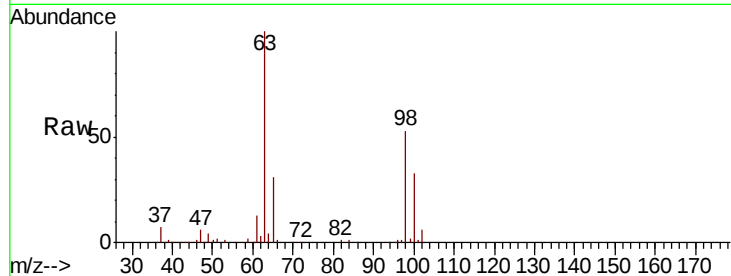
Tot Ion: 96 Resp: 1281

Ion Ratio Lower Upper

96 100

61 1266.9 112.5 208.9#

63 9698.7 83.1 154.3#



#13

Acetone

Concen: 27.528 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017907.D

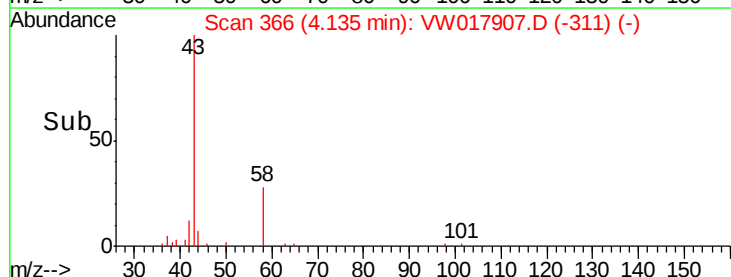
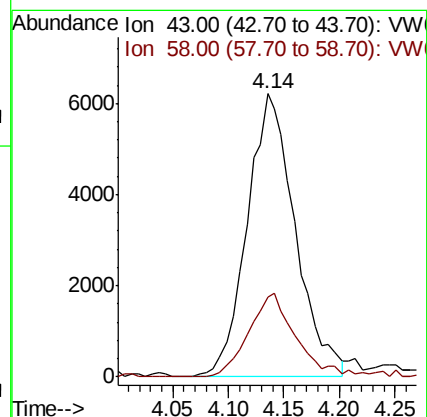
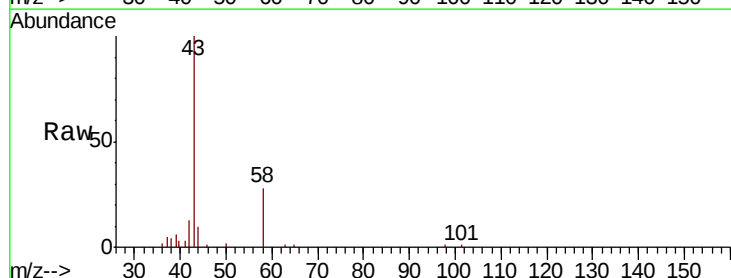
Acq: 15 Jan 2021 18:56

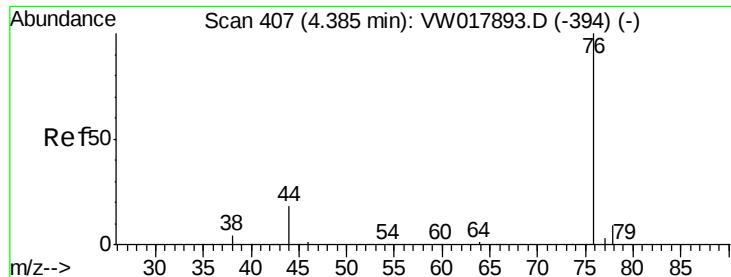
Tgt Ion: 43 Resp: 18664

Ion Ratio Lower Upper

43 100

58 27.2 0.0 68.4





#14

Carbon disulfide

Concen: 0.375 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW017907.D

Acq: 15 Jan 2021 18:56

Instrument :

MSVOA_W

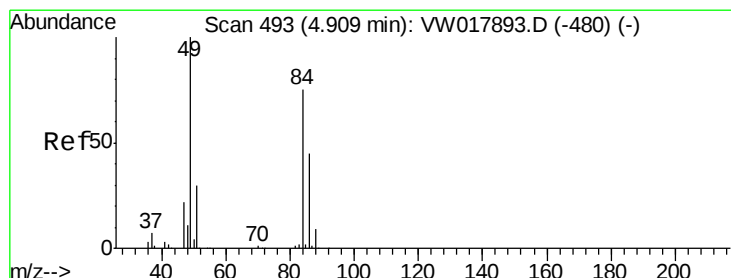
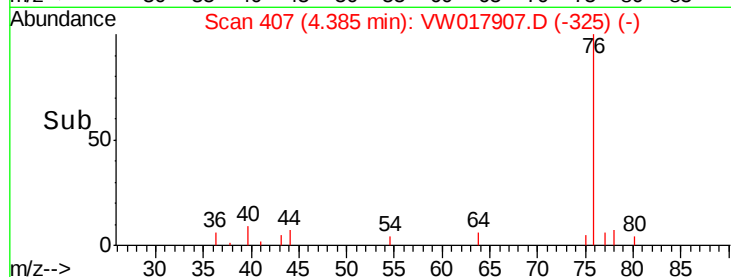
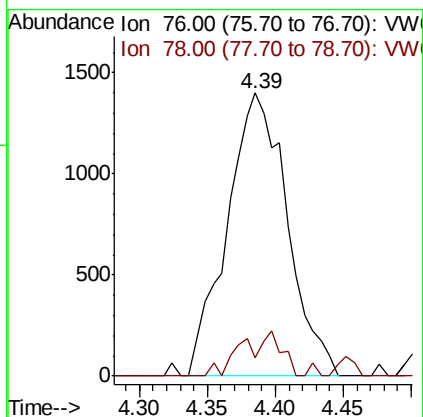
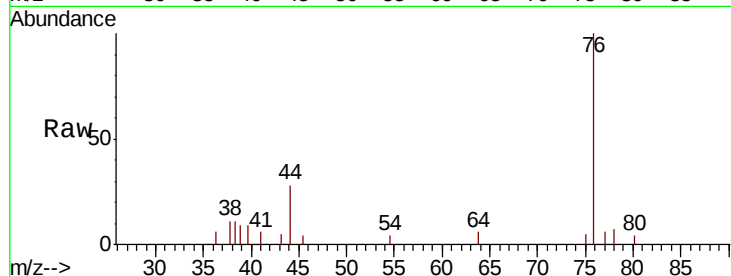
ClientSampleId :

Tot Ion: 76 Resp: 4323

Ion Ratio Lower Upper

76 100

78 6.6 7.0 10.4#



#16

Methylene chloride

Concen: 2.571 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW017907.D

Acq: 15 Jan 2021 18:56

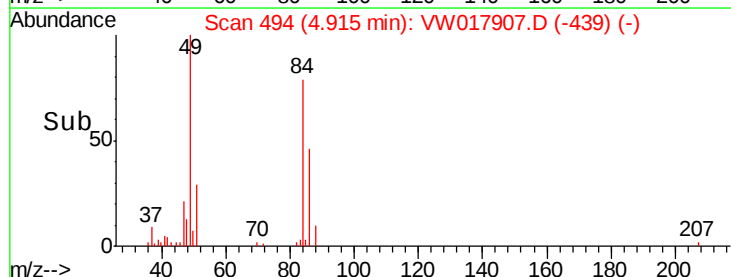
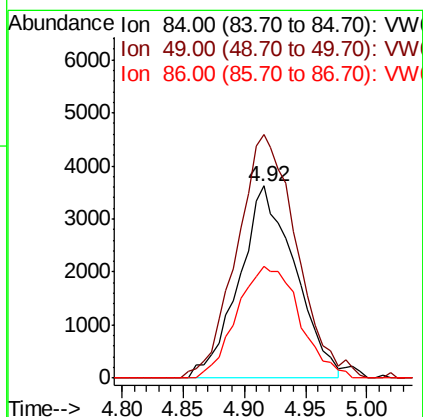
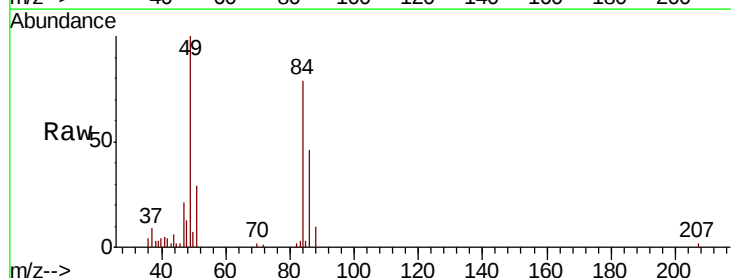
Tgt Ion: 84 Resp: 11510

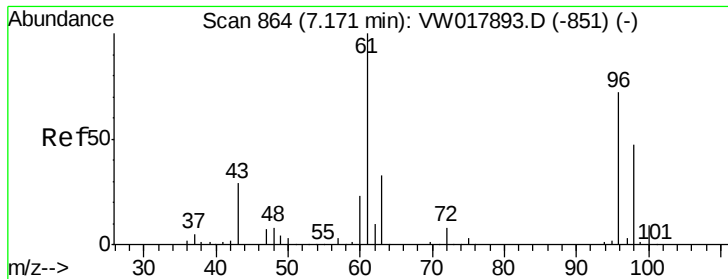
Ion Ratio Lower Upper

84 100

49 126.6 81.2 150.8

86 58.4 44.5 82.7





#21

2-Butanone

Concen: 4.491 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW017907.D

Acq: 15 Jan 2021 18:56

Instrument :

MSVOA_W

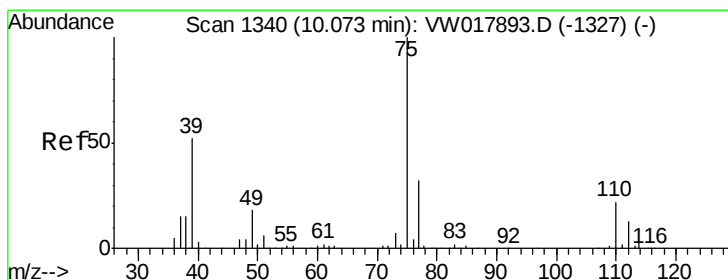
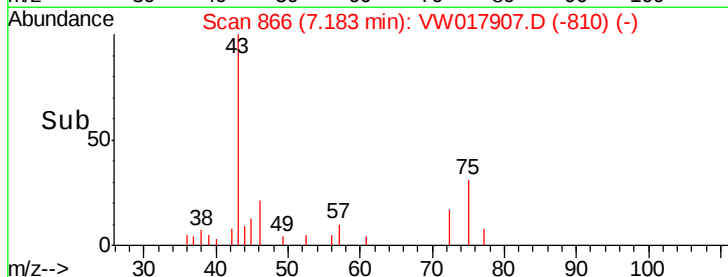
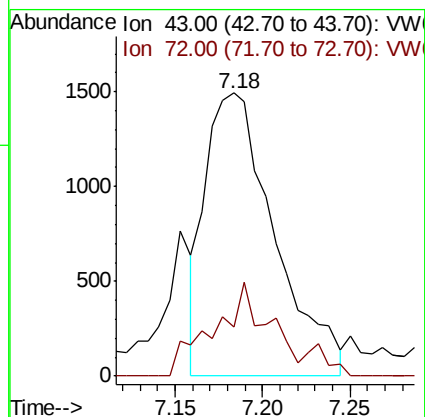
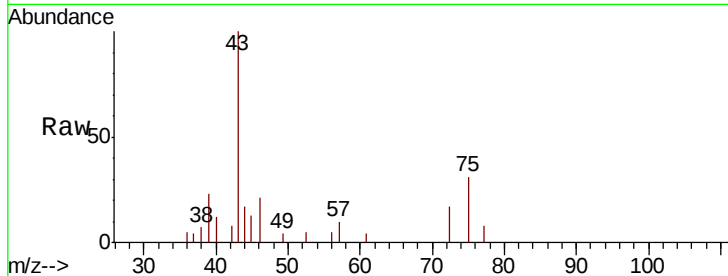
ClientSampleId :

Tot Ion: 43 Resp: 4096

Ion Ratio Lower Upper

43 100

72 18.9 14.4 43.2



#42

cis-1,3-Dichloropropene

Concen: 0.777 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW017907.D

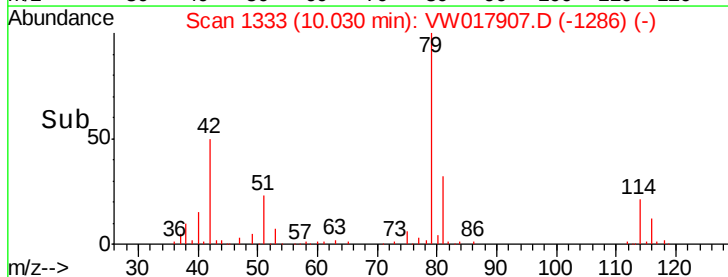
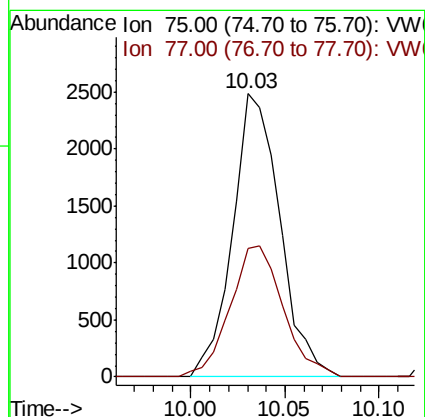
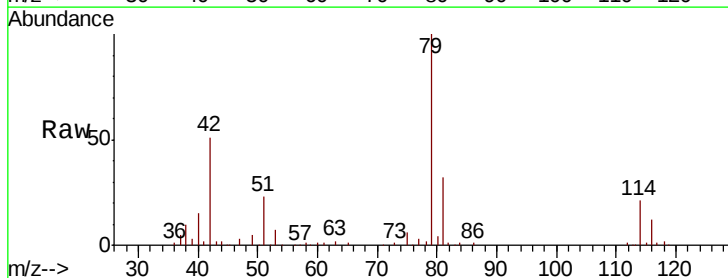
Acq: 15 Jan 2021 18:56

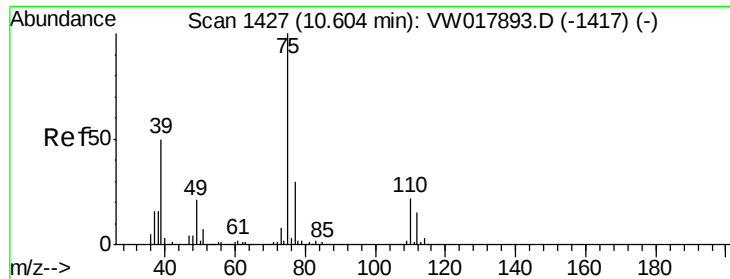
Tgt Ion: 75 Resp: 4321

Ion Ratio Lower Upper

75 100

77 45.4 22.7 42.3#





#45

trans-1,3-Dichloropropene

Concen: 0.537 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW017907.D

Acq: 15 Jan 2021 18:56

Instrument :

MSVOA_W

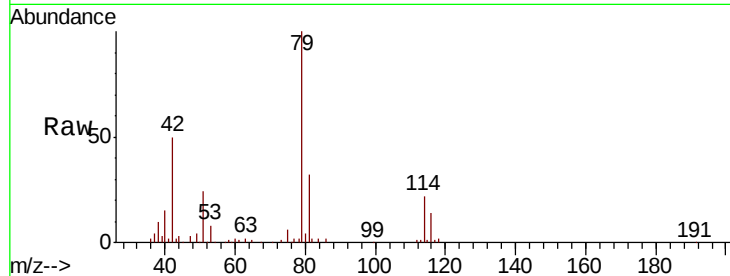
ClientSampleId :

Tot Ion: 75 Resp: 2543

Ion Ratio Lower Upper

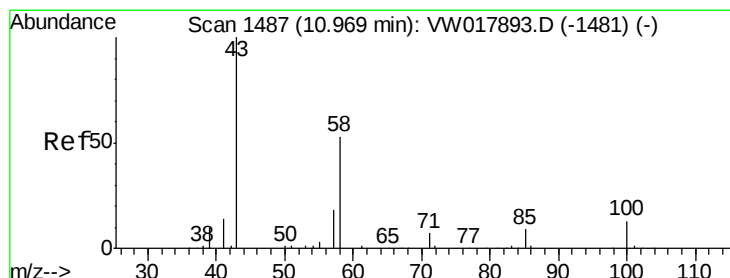
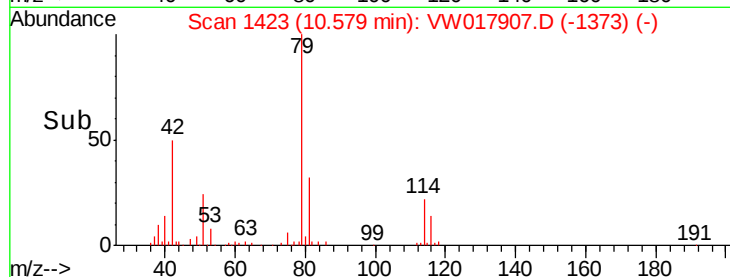
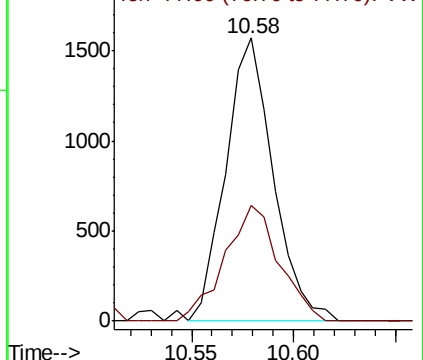
75 100

77 40.9 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#49

2-Hexanone

Concen: 0.570 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW017907.D

Acq: 15 Jan 2021 18:56

Tgt Ion: 43 Resp: 684

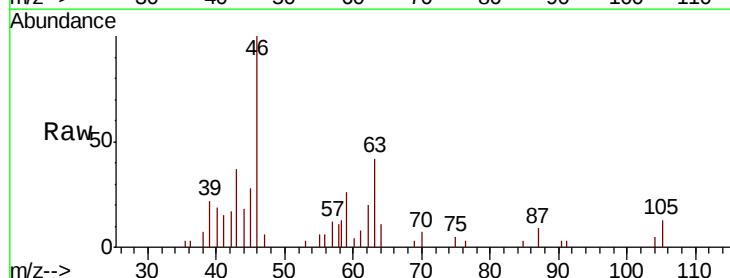
Ion Ratio Lower Upper

43 100

58 121.9 51.3 76.9#

57 65.2 15.0 22.6#

100 0.0 12.2 18.2#

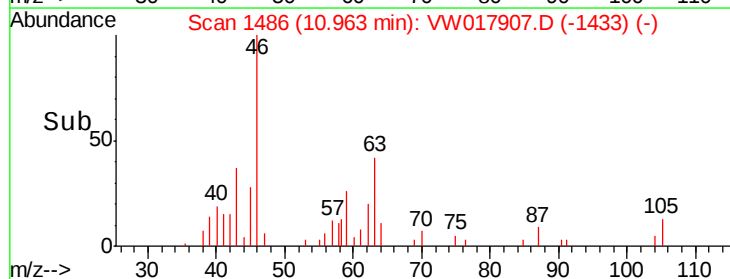
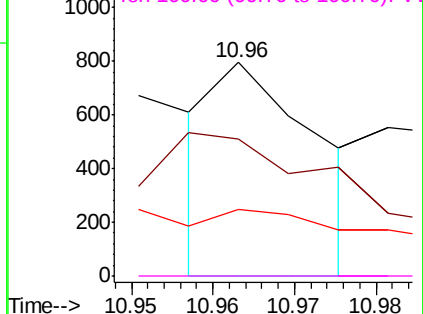


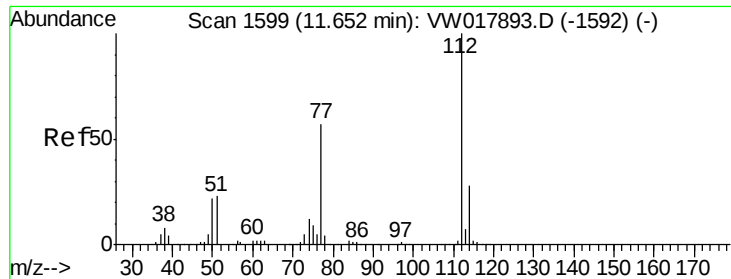
Abundance Ion 43.00 (42.70 to 43.70): VW

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

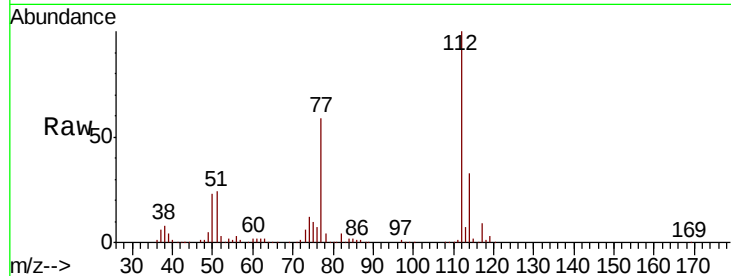




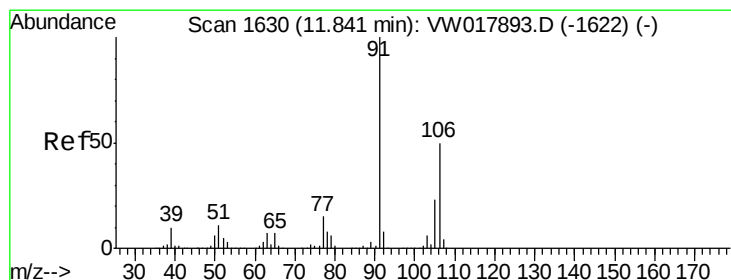
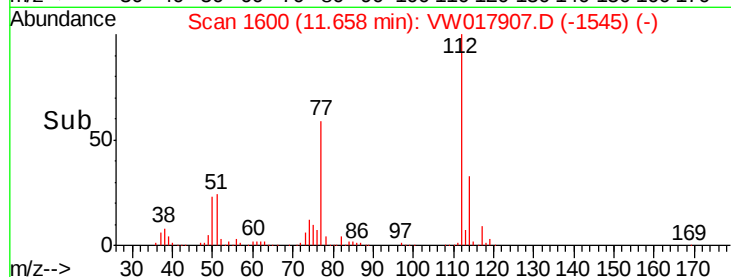
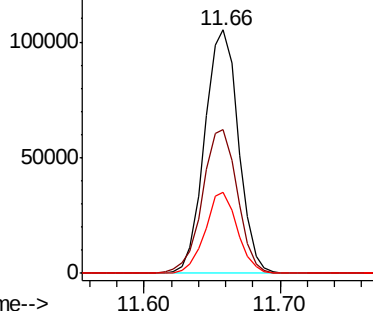
#52
Chlorobenzene
Concen: 17.364 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW017907.D
Acq: 15 Jan 2021 18:56

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:112 Resp: 182421
Ion Ratio Lower Upper
112 100
77 58.9 42.6 64.0
114 33.2 21.6 40.2

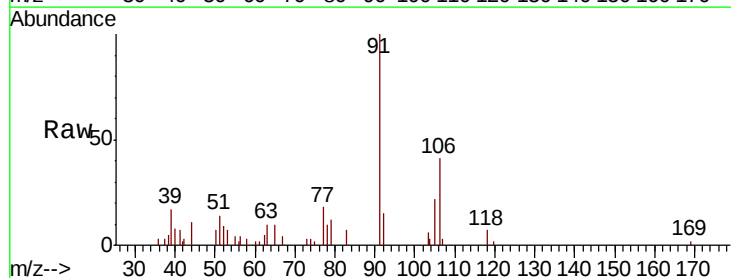


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): VW
Ion 114.00 (113.70 to 114.70): V

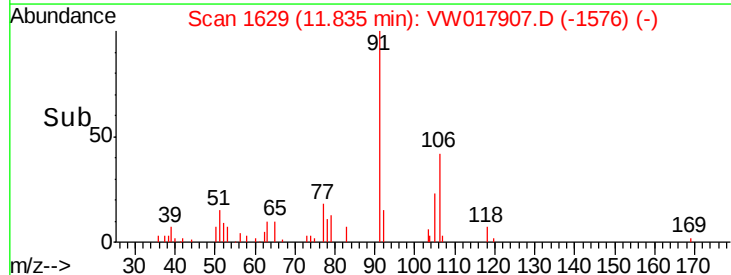
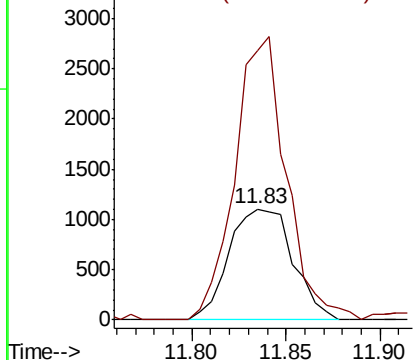


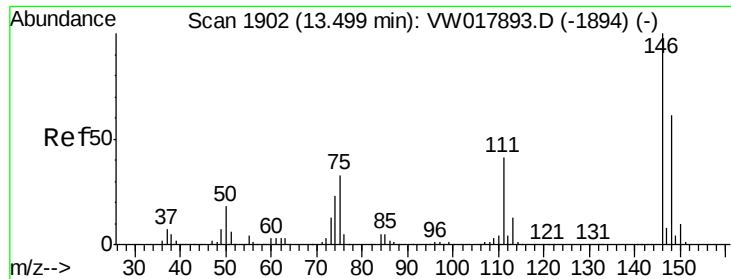
#54
m,p-Xylene
Concen: 0.347 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW017907.D
Acq: 15 Jan 2021 18:56

Tgt Ion:106 Resp: 2592
Ion Ratio Lower Upper
106 100
91 242.3 136.4 253.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

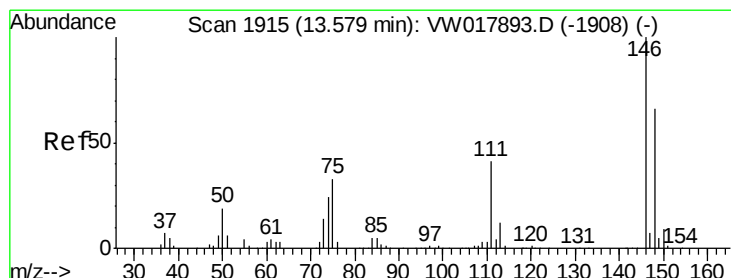
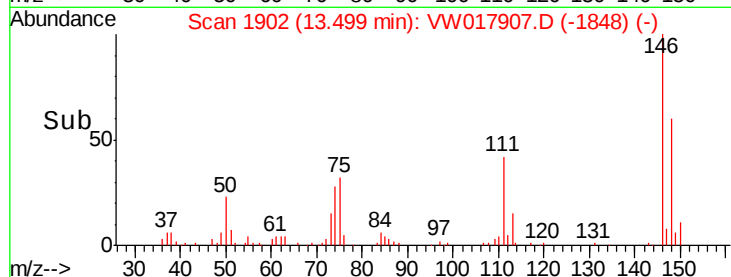
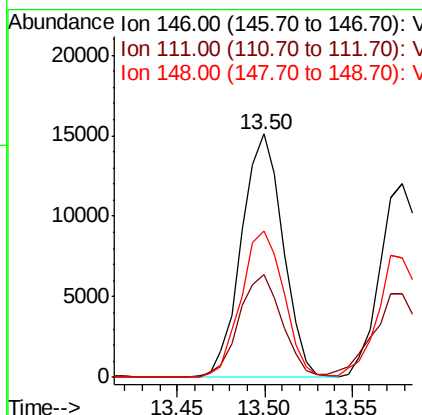
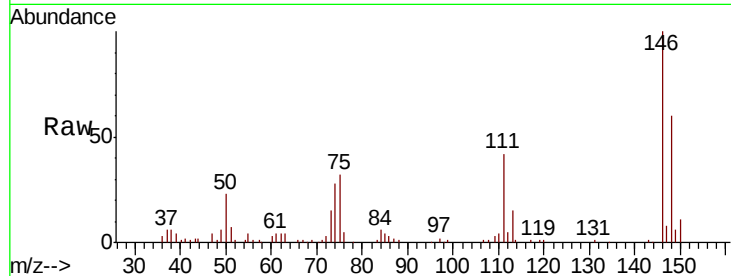




#63
 1,3-Dichlorobenzene
 Concen: 4.406 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017907.D
 Acq: 15 Jan 2021 18:56

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:146 Resp: 24959
 Ion Ratio Lower Upper
 146 100
 111 42.1 28.5 52.9
 148 60.0 47.8 88.8



#64
 1,4-Dichlorobenzene
 Concen: 3.469 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017907.D
 Acq: 15 Jan 2021 18:56

Tgt Ion:146 Resp: 19745
 Ion Ratio Lower Upper
 146 100
 111 43.4 27.7 51.5
 148 61.4 47.0 87.2

