

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011521\
 Data File : VW017900.D
 Acq On : 15 Jan 2021 16:11
 Operator : SY/VA
 Sample : M1099-12
 Misc : 5.90G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 18 02:09:17 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	284226	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	240962	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	86318	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	114370	26.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.04%
7) Chloroethane-d5	2.89	69	95417	26.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.16%
10) 1,1-Dichloroethene-d2	4.02	63	145323	18.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.88%
20) 2-Butanone-d5	7.09	46	48522	68.08	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	136.16%#
24) Chloroform-d	7.65	84	197728	26.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.48%
26) 1,2-Dichloroethane-d4	8.31	65	116218	30.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	120.92%
29) Benzene-d6	8.27	84	380316	28.02	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.08%
33) 1,2-Dichloropropane-d6	9.27	67	115947	30.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	123.96%#
37) Toluene-d8	10.32	98	338758	25.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.96%
38) trans-1,3-Dichloropropene-	10.58	79	42269	25.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.40%
39) 2-Hexanone-d5	10.93	63	31841	67.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	135.54%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	83791	30.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	120.68%#
61) 1,2-Dichlorobenzene-d4	13.85	152	77230	25.69	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.76%

Target Compounds

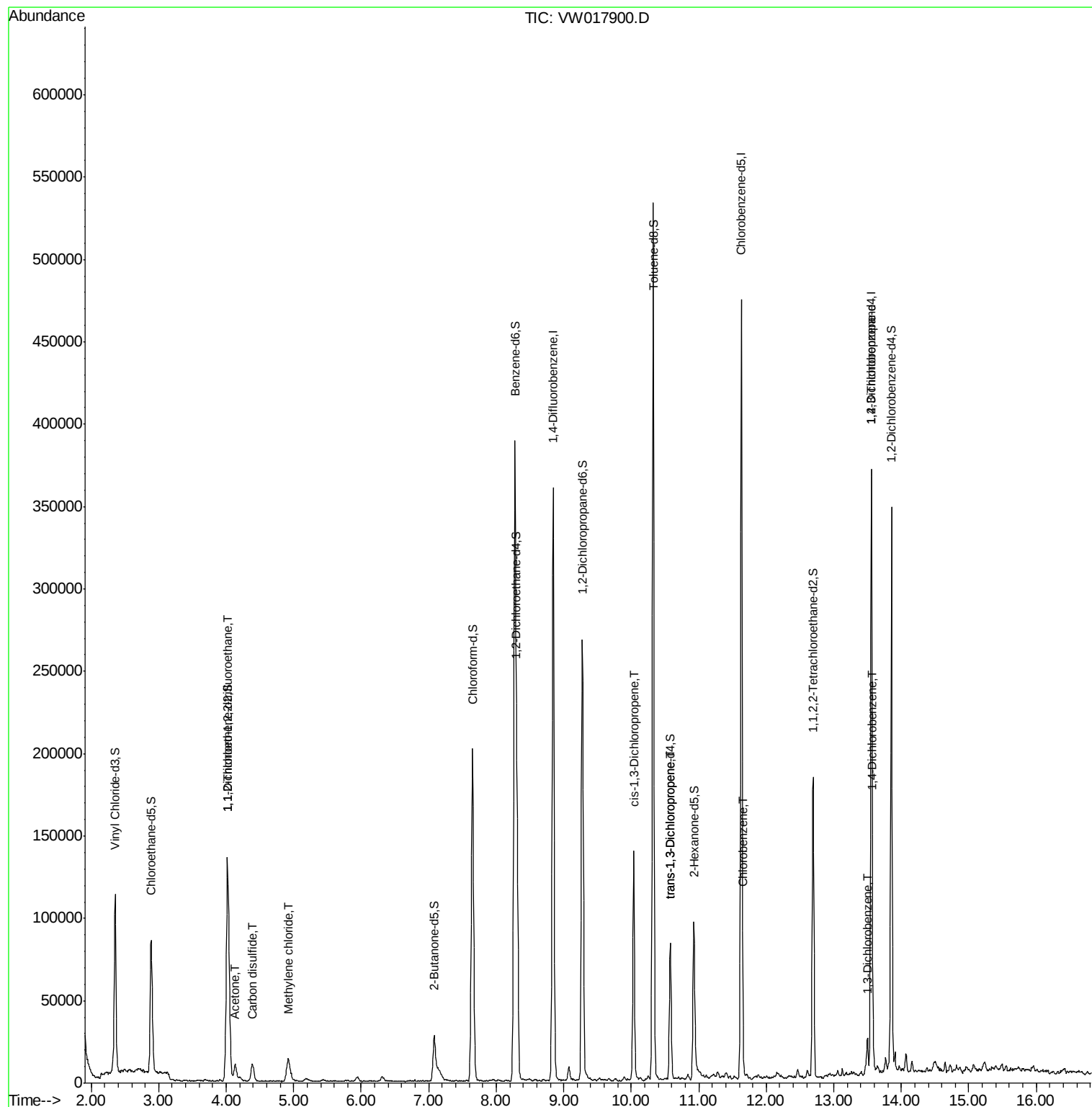
					Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	1110	0.307 ug/L #	35
13) Acetone	4.14	43	17699	28.756 ug/L	94
14) Carbon disulfide	4.39	76	22345	2.136 ug/L #	94
16) Methylene chloride	4.92	84	6092	1.499 ug/L	88
42) cis-1,3-Dichloropropene	10.04	75	3957	0.762 ug/L #	73
45) trans-1,3-Dichloropropene	10.57	75	2628	0.595 ug/L	90
52) Chlorobenzene	11.66	112	3221	0.328 ug/L	98
59) 1,2,3-Trichloropropane	13.56	75	15646	7.888 ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	6776	1.272 ug/L	89
64) 1,4-Dichlorobenzene	13.58	146	7184	1.342 ug/L	85

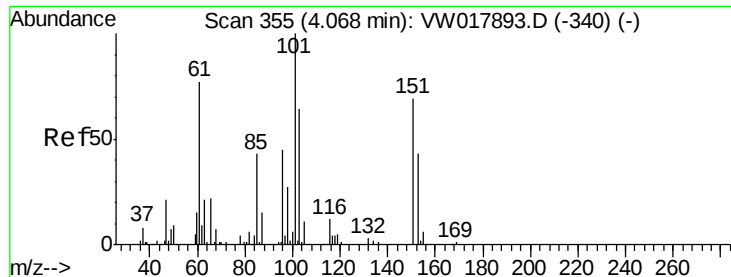
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jan 18 02:07:49 2021
Response via : Initial Calibration





#11

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

Concen: 0.307 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.04 min

Lab File: VW017900.D

Acq: 15 Jan 2021 16:11

Instrument :

MSVOA_W

ClientSampled :

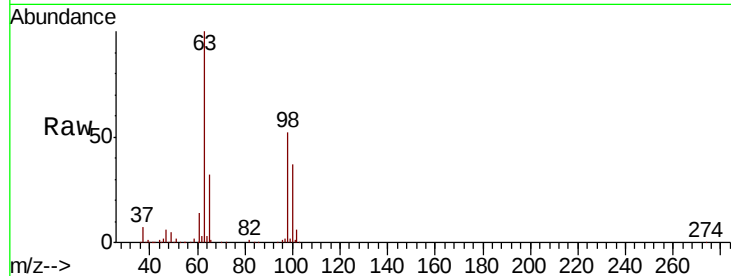
Tot Ion:101 Resp: 1110

Ion Ratio Lower Upper

101 100

85 0.0 34.2 51.4#

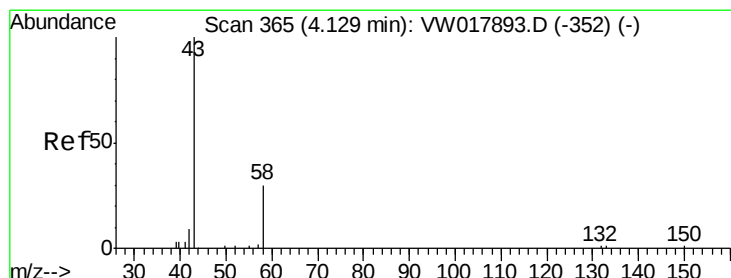
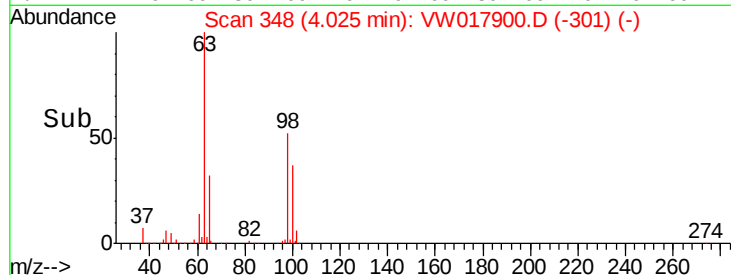
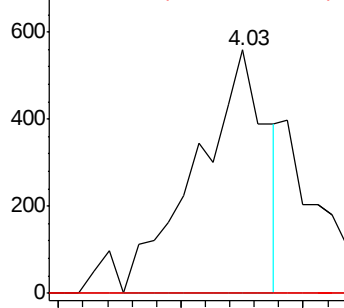
151 0.0 30.4 45.6#



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: 28.756 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017900.D

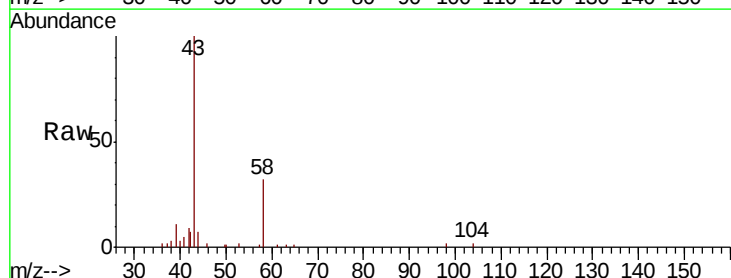
Acq: 15 Jan 2021 16:11

Tgt Ion: 43 Resp: 17699

Ion Ratio Lower Upper

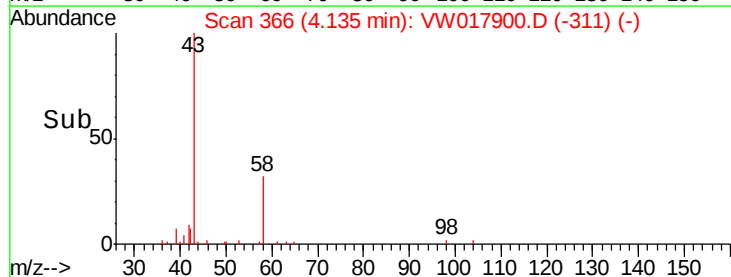
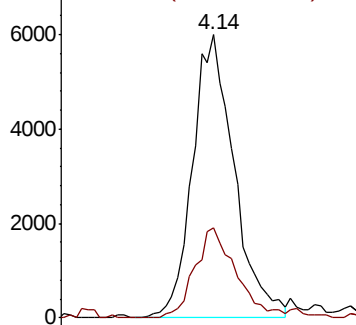
43 100

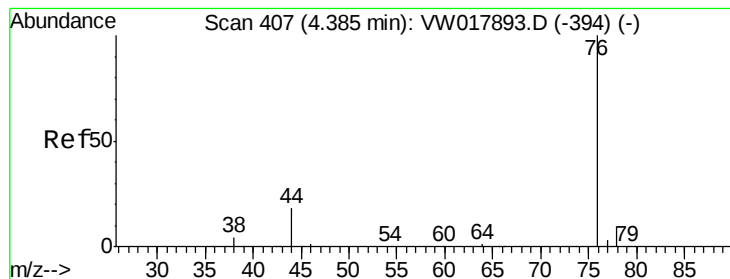
58 30.5 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#14

Carbon disulfide

Concen: 2.136 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW017900.D

Acq: 15 Jan 2021 16:11

Instrument :

MSVOA_W

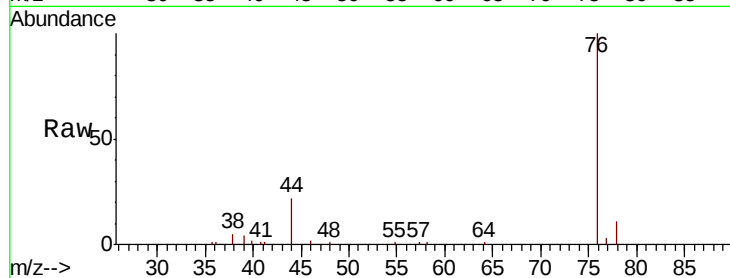
ClientSampled :

Tot Ion: 76 Resp: 22345

Ion Ratio Lower Upper

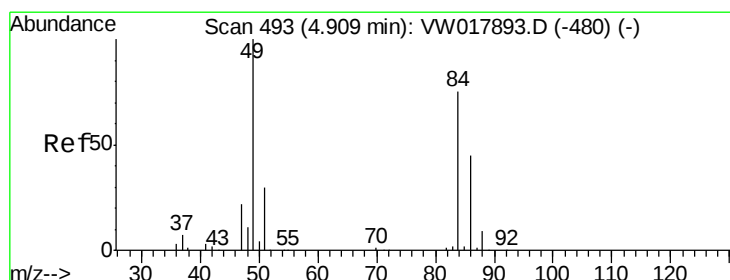
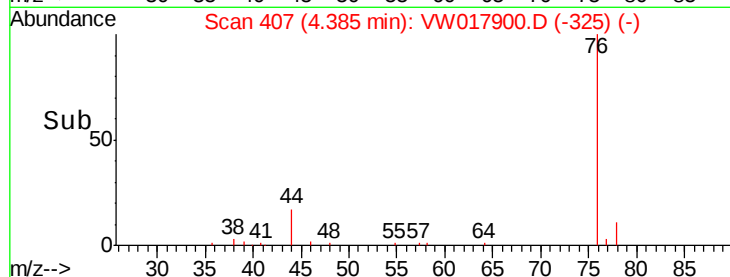
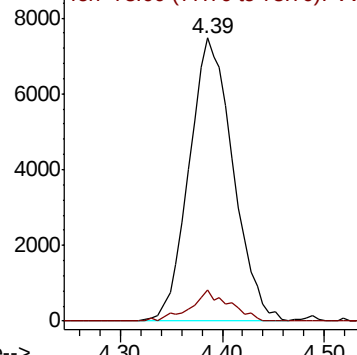
76 100

78 10.8 7.0 10.4#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#16

Methylene chloride

Concen: 1.499 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW017900.D

Acq: 15 Jan 2021 16:11

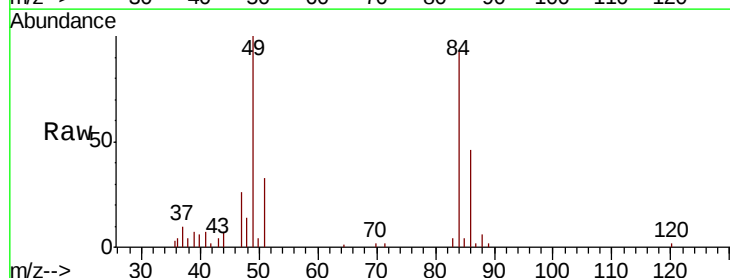
Tgt Ion: 84 Resp: 6092

Ion Ratio Lower Upper

84 100

49 107.2 81.2 150.8

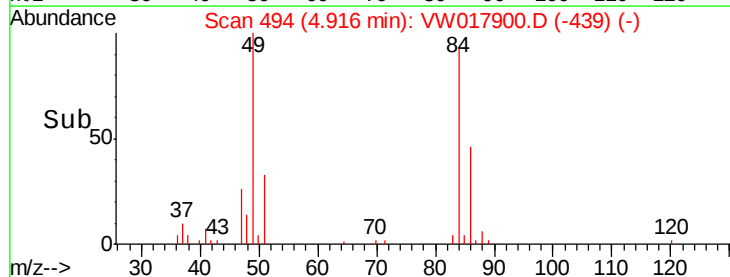
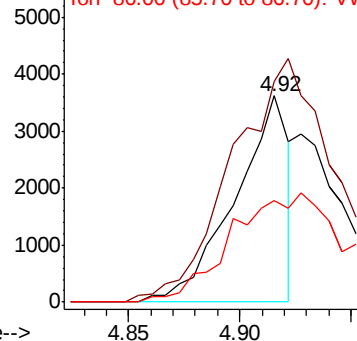
86 49.2 44.5 82.7

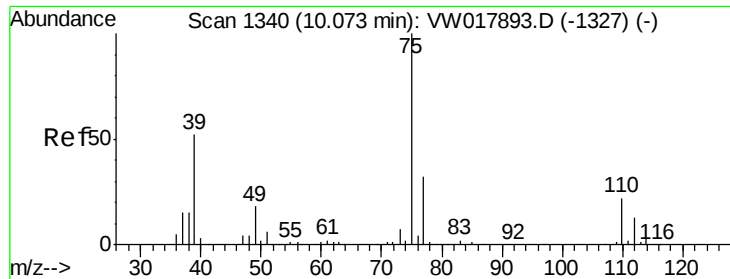


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#42

cis-1,3-Dichloropropene

Concen: 0.762 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017900.D

Acq: 15 Jan 2021 16:11

Instrument :

MSVOA_W

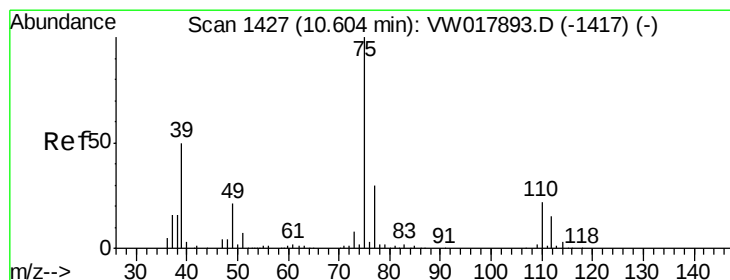
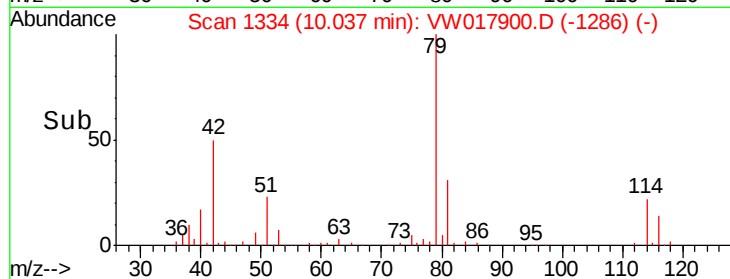
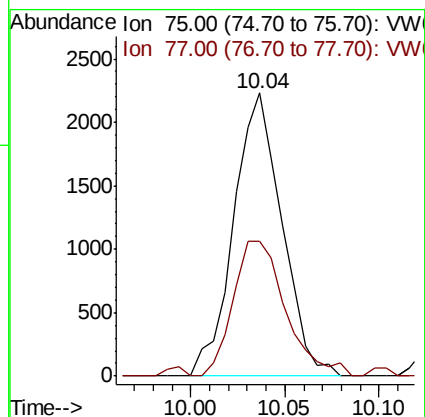
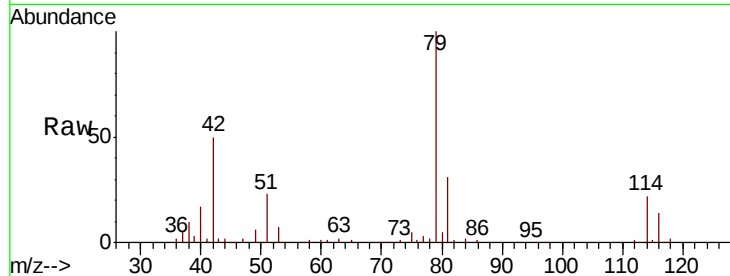
ClientSampleId :

Tot Ion: 75 Resp: 3957

Ion Ratio Lower Upper

75 100

77 47.7 22.7 42.3#



#45

trans-1,3-Dichloropropene

Concen: 0.595 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW017900.D

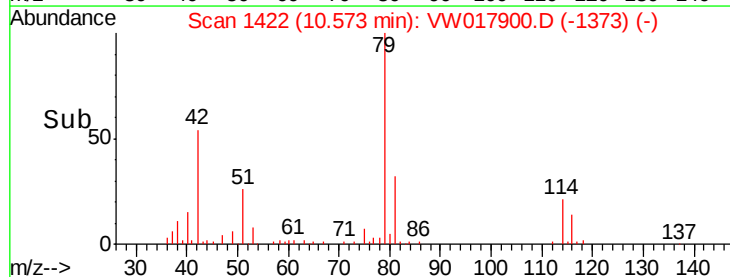
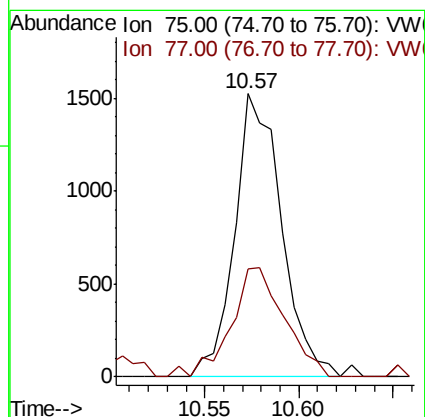
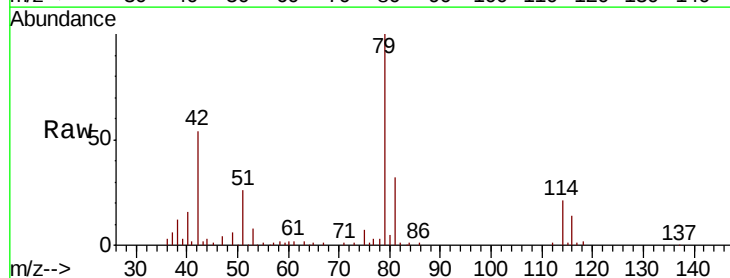
Acq: 15 Jan 2021 16:11

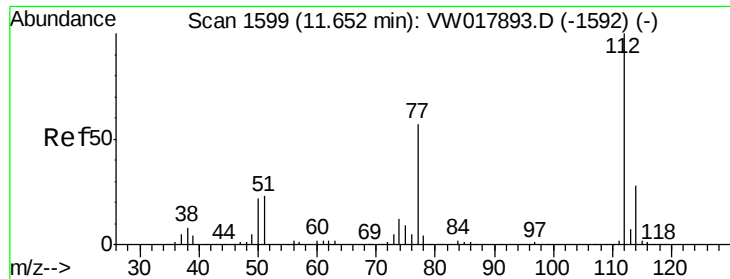
Tgt Ion: 75 Resp: 2628

Ion Ratio Lower Upper

75 100

77 38.1 22.6 42.0





#52

Chlorobenzene

Concen: 0.328 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW017900.D

Acq: 15 Jan 2021 16:11

Instrument :

MSVOA_W

ClientSampleId :

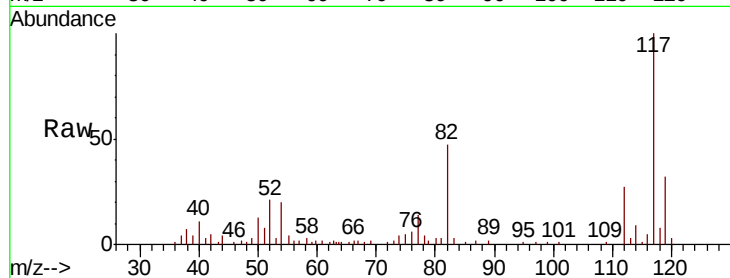
Tot Ion:112 Resp: 3221

Ion Ratio Lower Upper

112 100

77 52.3 42.6 64.0

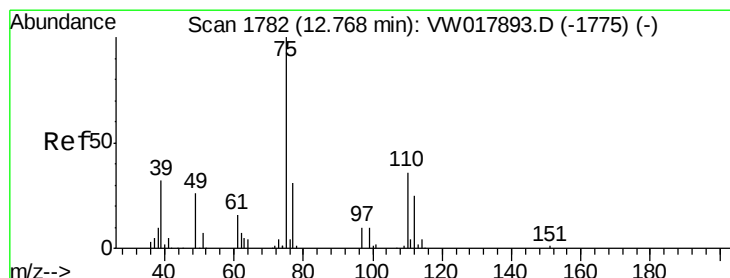
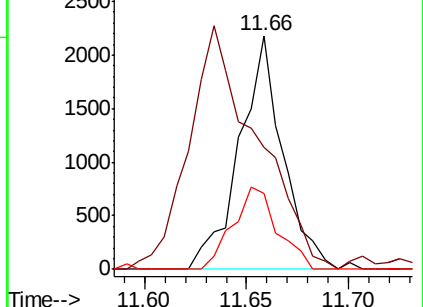
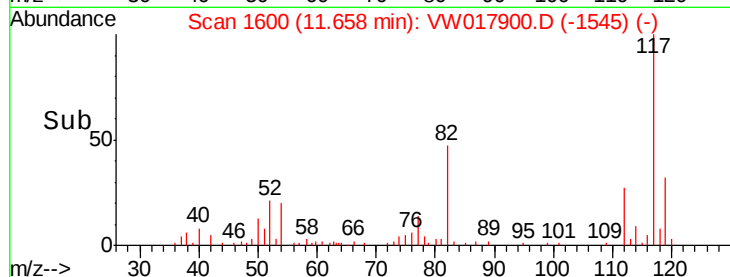
114 32.7 21.6 40.2



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



#59

1,2,3-Trichloropropane

Concen: 7.888 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017900.D

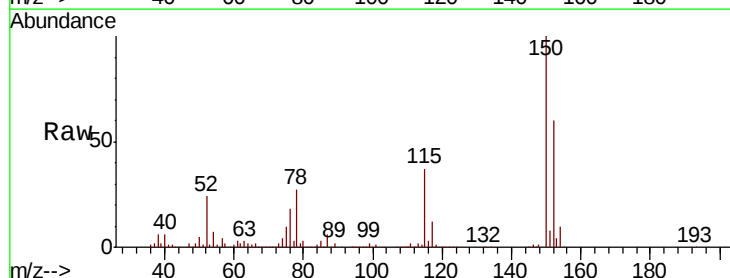
Acq: 15 Jan 2021 16:11

Tgt Ion: 75 Resp: 15646

Ion Ratio Lower Upper

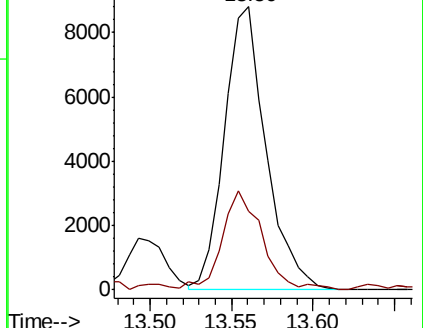
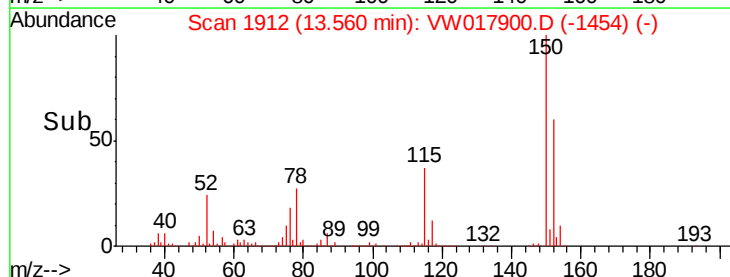
75 100

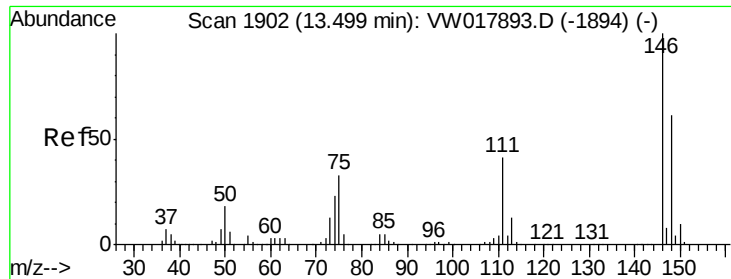
77 31.0 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

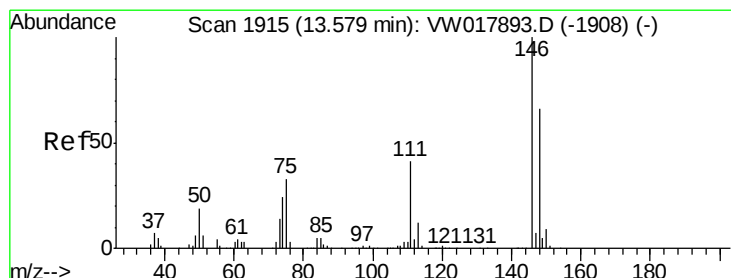
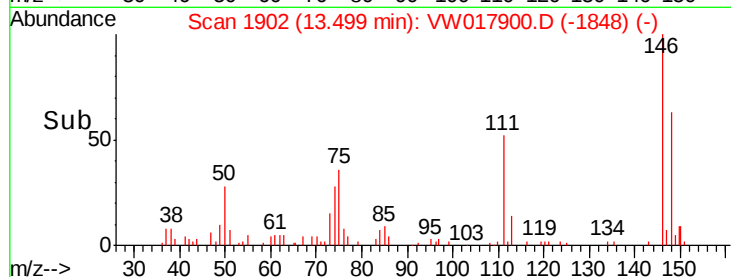
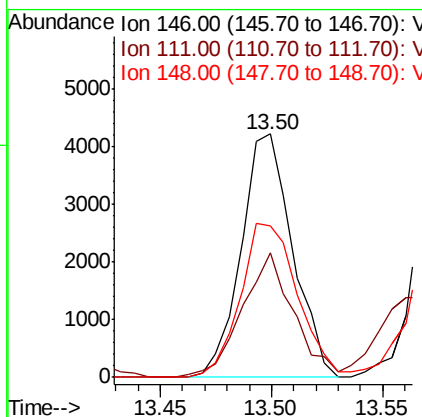
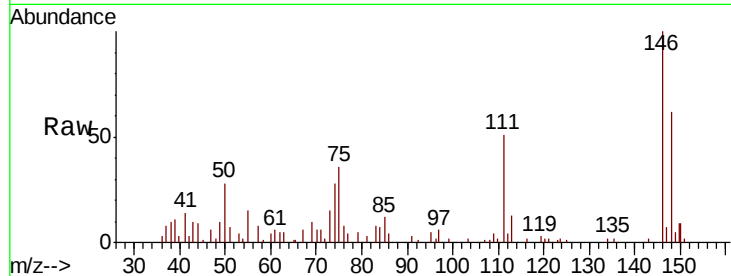




#63
 1,3-Dichlorobenzene
 Concen: 1.272 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017900.D
 Acq: 15 Jan 2021 16:11

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:146 Resp: 6776
 Ion Ratio Lower Upper
 146 100
 111 51.3 28.5 52.9
 148 62.1 47.8 88.8



#64
 1,4-Dichlorobenzene
 Concen: 1.342 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017900.D
 Acq: 15 Jan 2021 16:11

Tgt Ion:146 Resp: 7184
 Ion Ratio Lower Upper
 146 100
 111 33.1 27.7 51.5
 148 53.1 47.0 87.2

