

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071719\
 Data File : VW011323.D
 Acq On : 17 Jul 2019 23:12
 Operator : SY/VA
 Sample : K3863-04
 Misc : 6.64G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A52G0

Quant Time: Jul 18 07:26:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 18 06:37:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	269812	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	245158	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	108243	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	48442	11.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	47.04%
7) Chloroethane-d5	2.88	69	41705	14.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.72%
10) 1,1-Dichloroethene-d2	4.01	63	102047	11.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	46.80%
20) 2-Butanone-d5	7.07	46	96558	59.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.00%
24) Chloroform-d	7.65	84	142126	19.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.88%
26) 1,2-Dichloroethane-d4	8.31	65	97190	21.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.36%
29) Benzene-d6	8.27	84	275530	18.24	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	72.96%
33) 1,2-Dichloropropane-d6	9.27	67	101333	20.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.40%
37) Toluene-d8	10.32	98	230248	17.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	68.44%
38) trans-1,3-Dichloropropene-	10.58	79	38455	18.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.56%
39) 2-Hexanone-d5	10.92	63	62794	55.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.36%
48) 1,1,1,2,2-Tetrachloroethane-	12.69	84	106532	26.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	84609	20.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.44%

Target Compounds

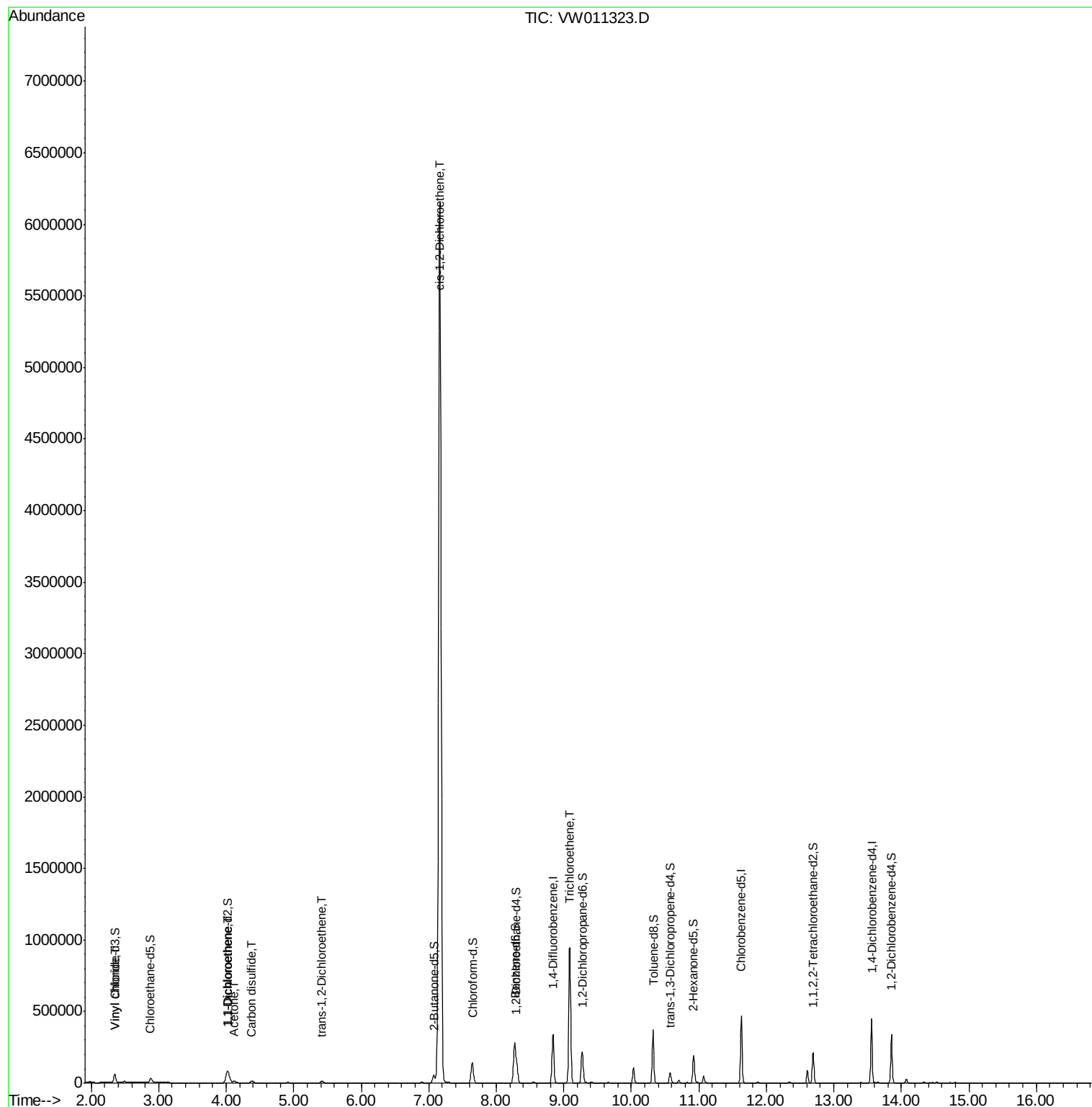
					Ovalue
5) Vinyl chloride	2.35	62	20018	4.257 ug/L	97
12) 1,1-Dichloroethene	4.03	96	12321	3.475 ug/L #	1
13) Acetone	4.12	43	22682	14.309 ug/L	98
14) Carbon disulfide	4.37	76	26382	2.601 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	7607	2.123 ug/L	91
22) cis-1,2-Dichloroethene	7.17	96	3471624	895.122 ug/L	99
35) Trichloroethene	9.09	95	330535	85.486 ug/L	100

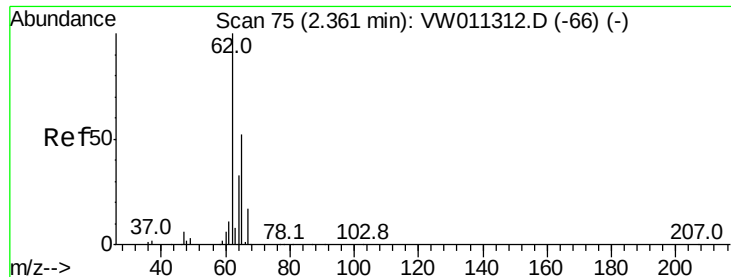
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.257 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011323.D

Acq: 17 Jul 2019 23:12

Instrument :

MSVOA_W

ClientSampleId :

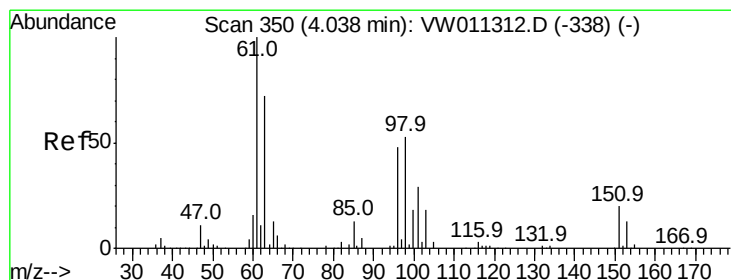
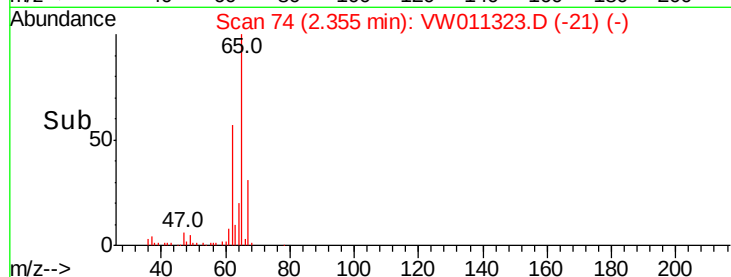
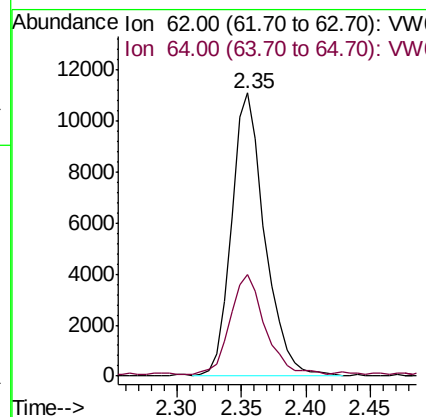
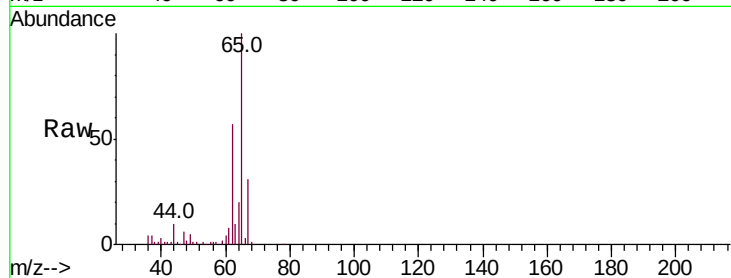
A52G0

Tot Ion: 62 Resp: 20018

Ion Ratio Lower Upper

62 100

64 35.8 23.9 44.3



#12

1,1-Dichloroethene

Concen: 3.475 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW011323.D

Acq: 17 Jul 2019 23:12

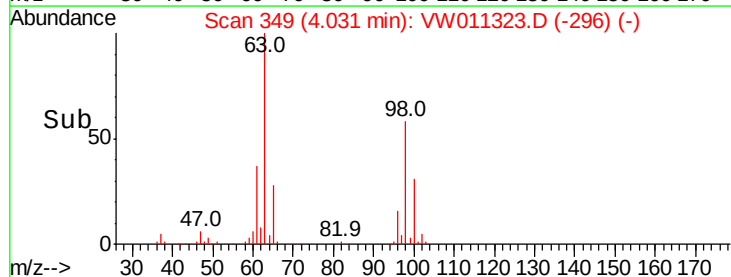
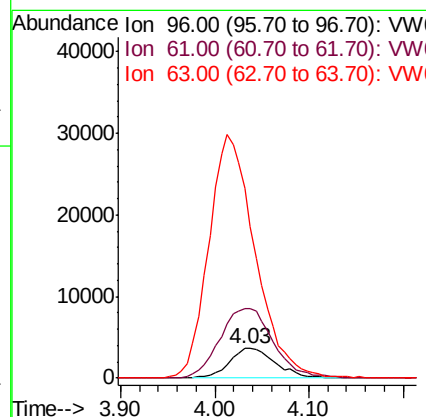
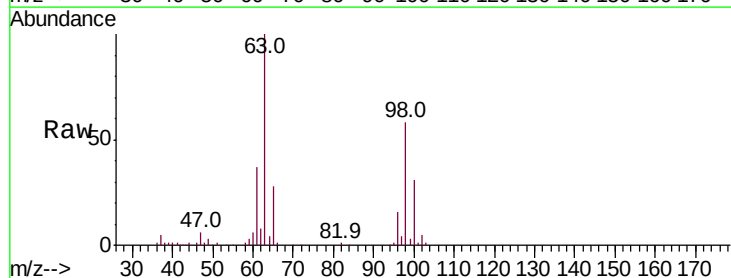
Tgt Ion: 96 Resp: 12321

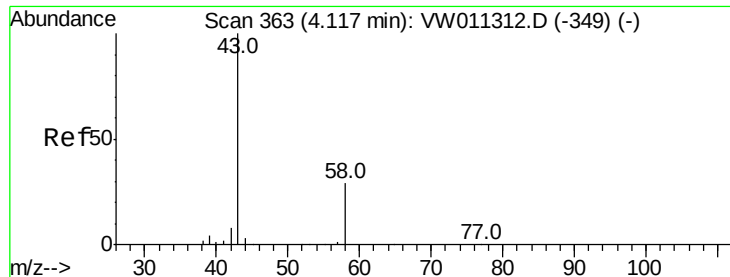
Ion Ratio Lower Upper

96 100

61 236.2 142.2 264.0

63 639.7 138.9 257.9#





#13

Acetone

Concen: 14.309 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011323.D

Acq: 17 Jul 2019 23:12

Instrument :

MSVOA_W

ClientSampled :

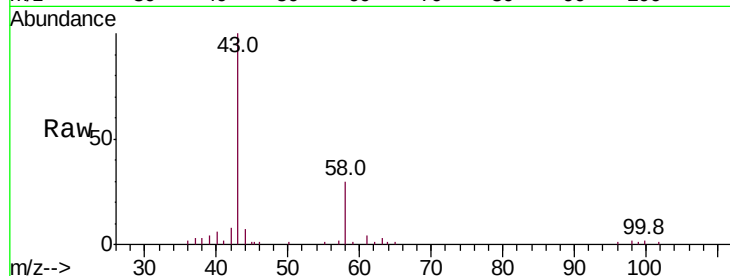
A52G0

Tot Ion: 43 Resp: 22682

Ion Ratio Lower Upper

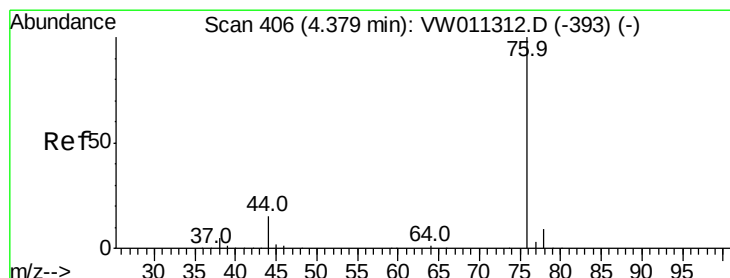
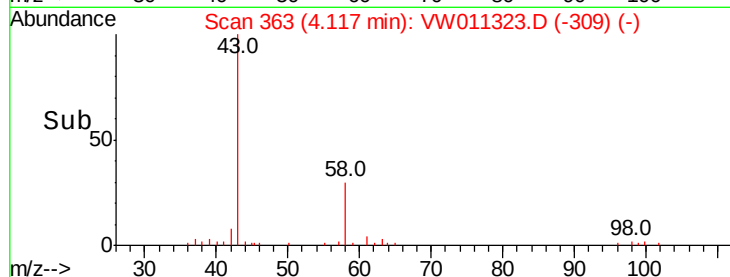
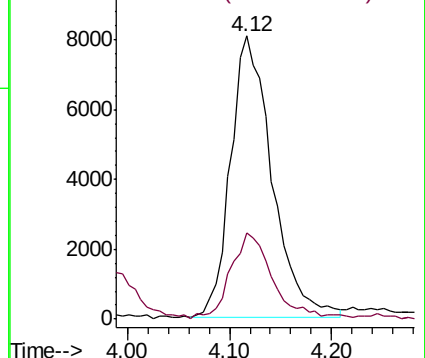
43 100

58 28.7 0.0 55.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 2.601 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW011323.D

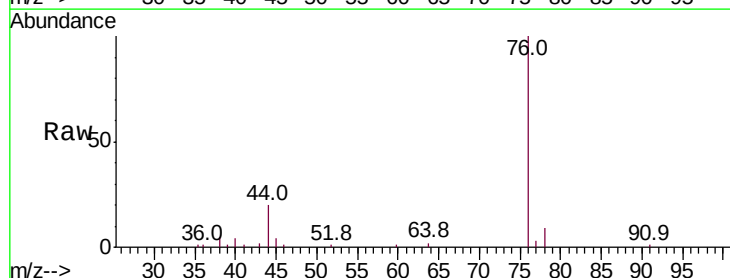
Acq: 17 Jul 2019 23:12

Tgt Ion: 76 Resp: 26382

Ion Ratio Lower Upper

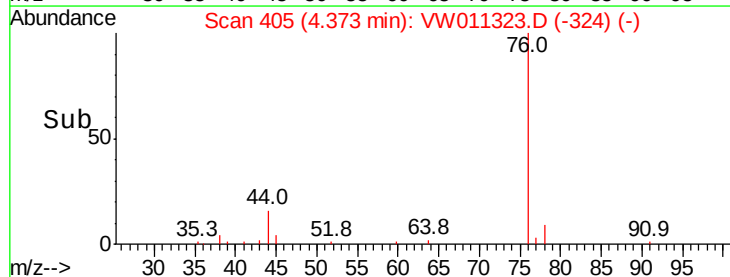
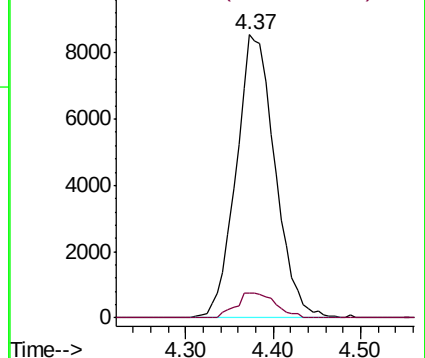
76 100

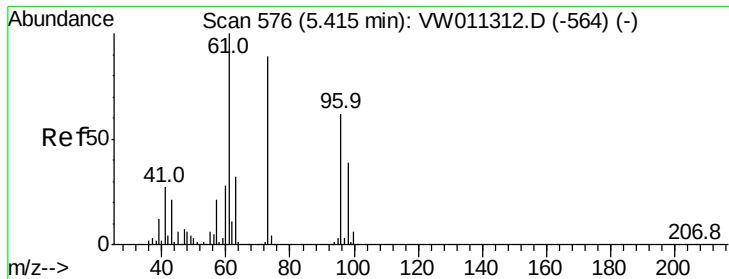
78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

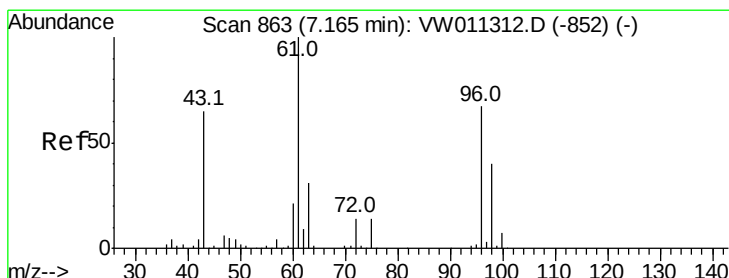
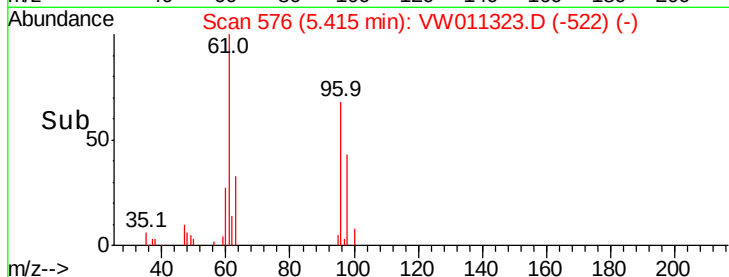
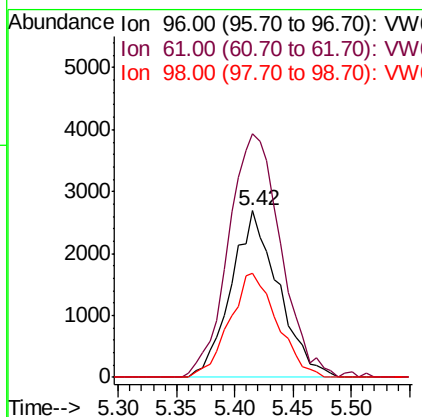
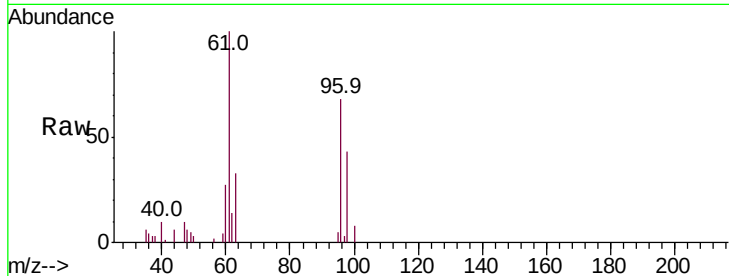




#18
trans-1,2-Dichloroethene
Concen: 2.123 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW011323.D
Acq: 17 Jul 2019 23:12

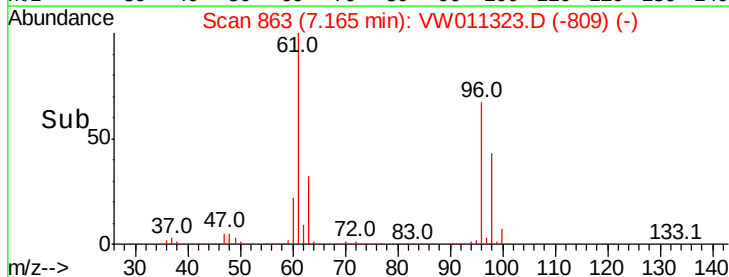
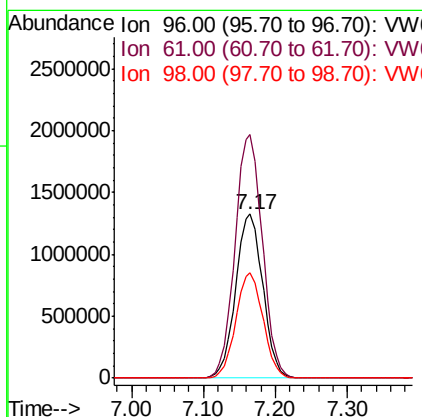
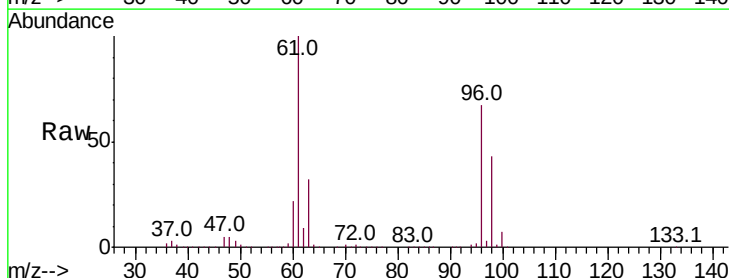
Instrument :
MSVOA_W
ClientSampled :
A52G0

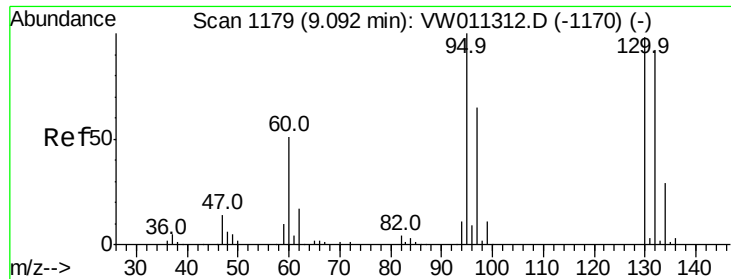
Tot Ion: 96 Resp: 7607
Ion Ratio Lower Upper
96 100
61 146.2 113.7 211.1
98 62.4 43.3 80.3



#22
cis-1,2-Dichloroethene
Concen: 895.122 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011323.D
Acq: 17 Jul 2019 23:12

Tgt Ion: 96 Resp: 3471624
Ion Ratio Lower Upper
96 100
61 148.3 103.2 191.6
98 63.8 44.8 83.2





#35

Trichloroethene

Concen: 85.486 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW011323.D

Acq: 17 Jul 2019 23:12

Instrument :

MSVOA_W

ClientSampleId :

A52G0

Tot Ion: 95 Resp: 330535

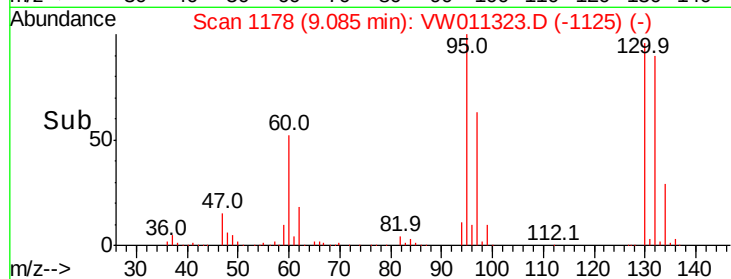
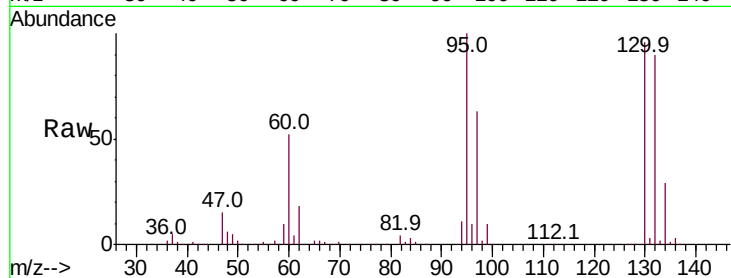
Ion Ratio Lower Upper

95 100

97 65.0 45.4 84.2

132 92.3 65.0 120.8

130 96.4 67.8 126.0



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

