

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071719\
 Data File : VV011917.D
 Acq On : 17 Jul 2019 17:48
 Operator : SY/MD
 Sample : K3823-07
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A52K6

Quant Time: Jul 18 03:51:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 18 02:17:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	159794	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	153992	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	66702	5.00	ug/L	0.00

System Monitoring Compounds

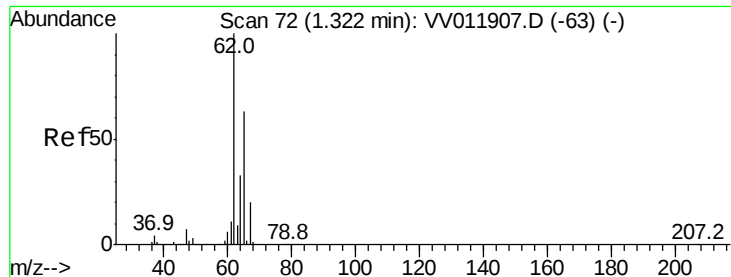
4) Vinyl Chloride-d3	1.32	65	55769	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	1.58	69	41604	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.13	63	85597	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.20%
20) 2-Butanone-d5	3.95	46	159412	53.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.56%
24) Chloroform-d	4.40	84	110800	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.08	65	62339	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.10	84	224701	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.12	67	70129	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.36	98	190998	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	7.67	79	22224	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
46) 2-Hexanone-d5	8.13	63	97615	47.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.48%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	39143	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	70643	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

					Ovalue
5) Vinyl chloride	1.33	62	114880	7.530	ug/L 100
12) 1,1-Dichloroethene	2.14	96	24316	2.855	ug/L # 52
13) Acetone	2.19	43	6994	4.649	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	3830	0.320	ug/L 88
19) 1,1-Dichloroethane	3.23	63	64811	2.871	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	5843381	474.017	ug/L # 98
29) 1,1,1-Trichloroethane	4.66	97	74035	3.912	ug/L 99
34) Trichloroethene	5.96	95	3619	0.270	ug/L 89
51) Chlorobenzene	8.92	112	7485	0.235	ug/L 99

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

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ALS Vial : 20 Sample Multiplier: 1



#5

Vinyl chloride

Concen: 7.530 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV011917.D

Acq: 17 Jul 2019 17:48

Instrument :

MSVOA_V

ClientSampled :

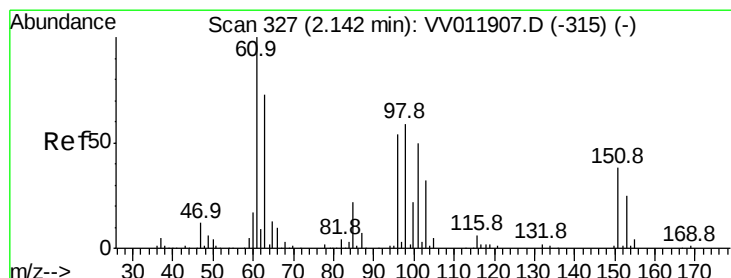
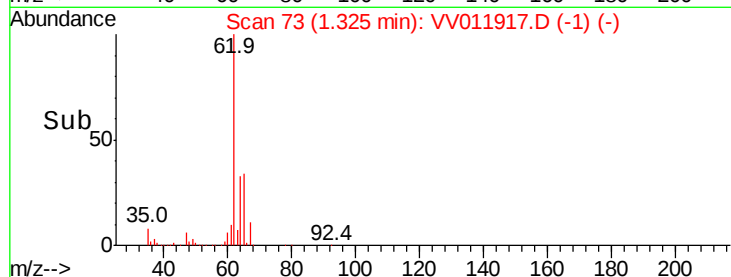
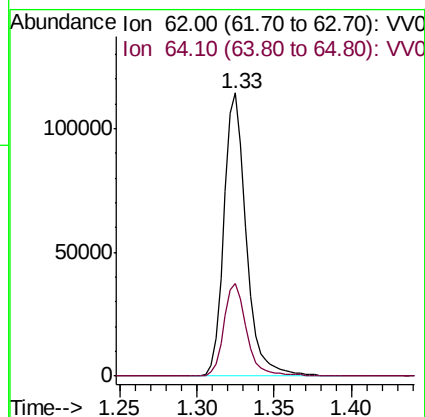
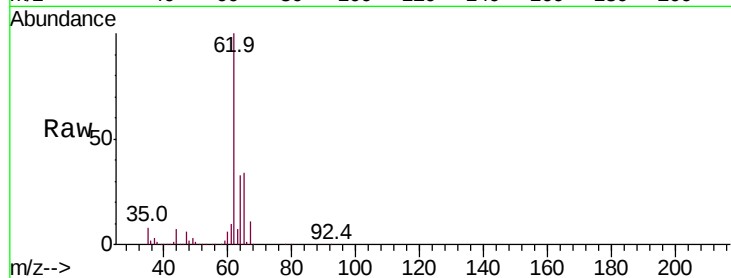
A52K6

Tot Ion: 62 Resp: 114880

Ion Ratio Lower Upper

62 100

64 32.8 22.9 42.5



#12

1,1-Dichloroethene

Concen: 2.855 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV011917.D

Acq: 17 Jul 2019 17:48

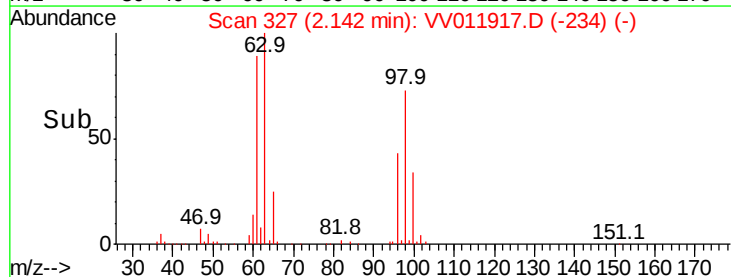
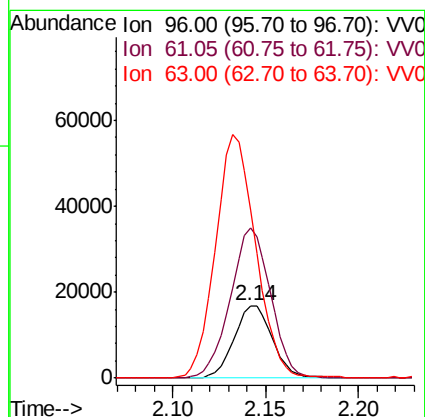
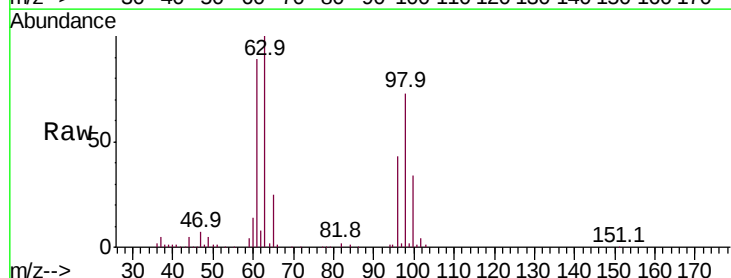
Tgt Ion: 96 Resp: 24316

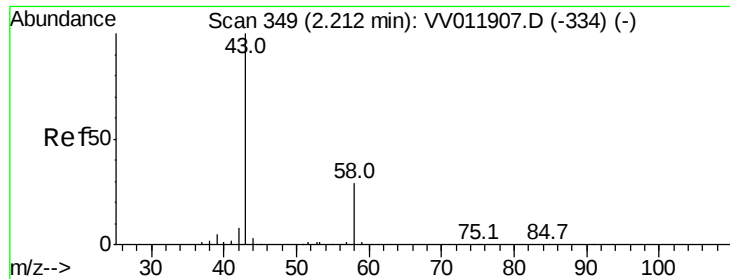
Ion Ratio Lower Upper

96 100

61 206.6 128.9 239.3

63 231.1 85.5 158.9#





#13

Acetone

Concen: 4.649 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.02 min

Lab File: VV011917.D

Acq: 17 Jul 2019 17:48

Instrument :

MSVOA_V

ClientSampleId :

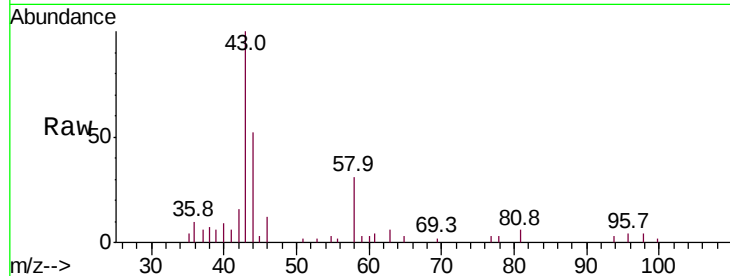
A52K6

Tot Ion: 43 Resp: 6994

Ion Ratio Lower Upper

43 100

58 29.1 0.0 55.6



Abundance Ion 43.05 (42.75 to 43.75): VV011917.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV011917.D (-334) (-)

2.19

4000

3000

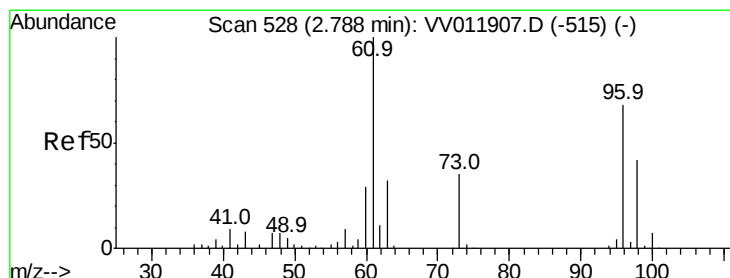
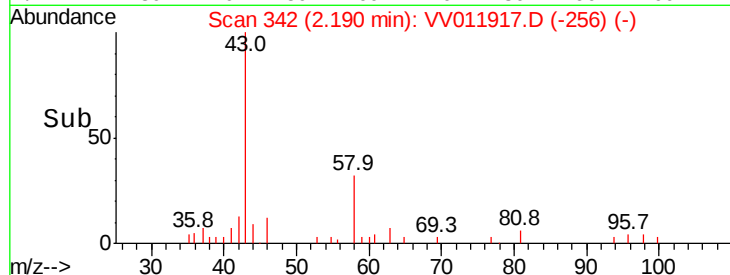
2000

1000

0

Time-->

2.10 2.15 2.20 2.25 2.30



#18

trans-1,2-Dichloroethene

Concen: 0.320 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV011917.D

Acq: 17 Jul 2019 17:48

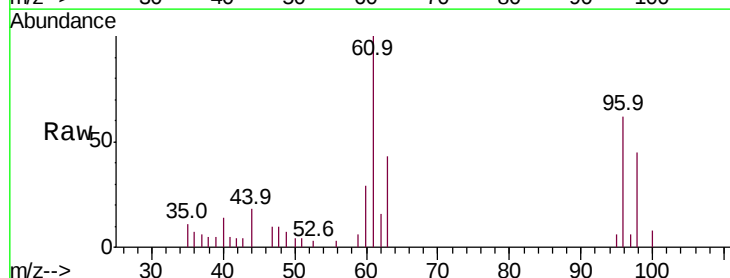
Tgt Ion: 96 Resp: 3830

Ion Ratio Lower Upper

96 100

61 161.1 102.2 189.8

98 72.0 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV011917.D (-515) (-)

Ion 61.05 (60.75 to 61.75): VV011917.D (-515) (-)

Ion 97.95 (97.65 to 98.65): VV011917.D (-515) (-)

4000

3000

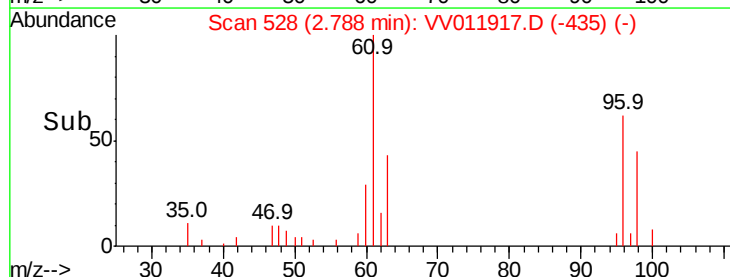
2000

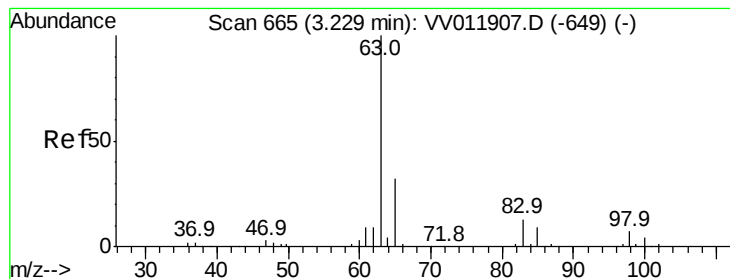
1000

0

Time-->

2.75 2.80 2.85





#19

1,1-Dichloroethane

Concen: 2.871 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV011917.D

Acq: 17 Jul 2019 17:48

Instrument :

MSVOA_V

ClientSampleId :

A52K6

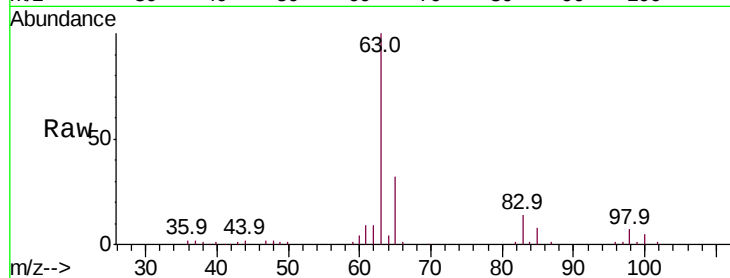
Tot Ion: 63 Resp: 64811

Ion Ratio Lower Upper

63 100

65 31.8 22.7 42.3

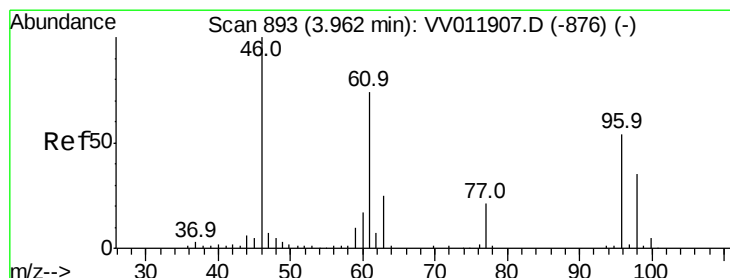
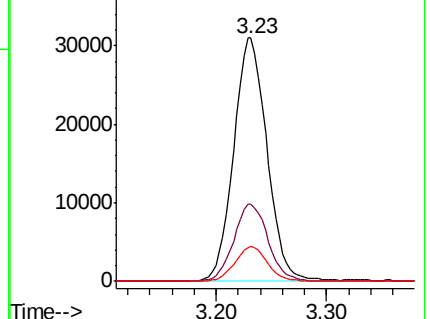
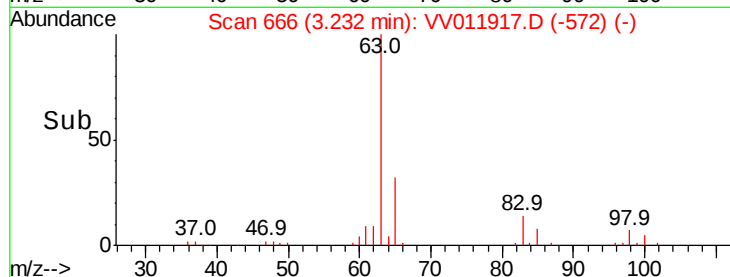
83 14.4 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 474.017 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VV011917.D

Acq: 17 Jul 2019 17:48

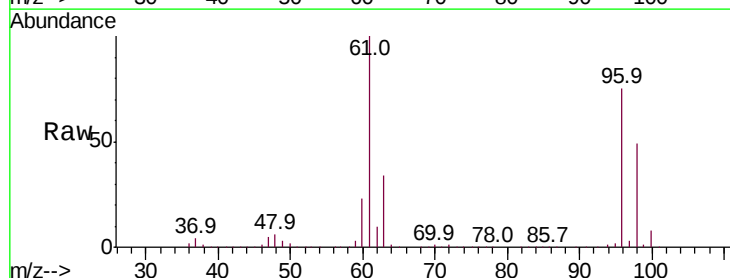
Tgt Ion: 96 Resp: 5843381

Ion Ratio Lower Upper

96 100

61 134.1 95.2 176.8

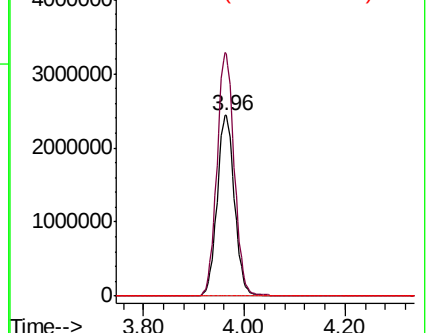
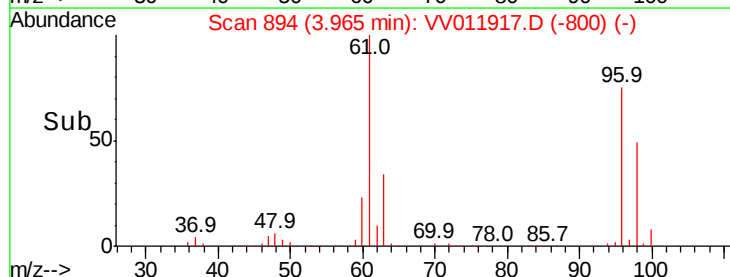
68 0.0 0.0 0.0#

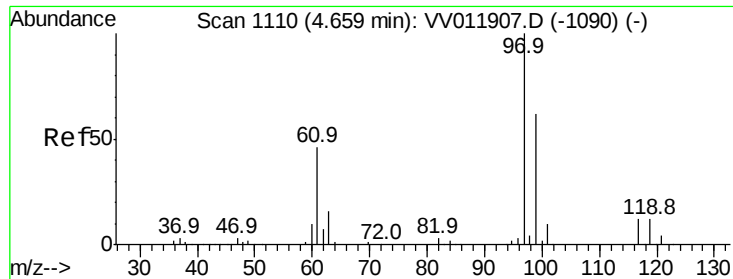


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

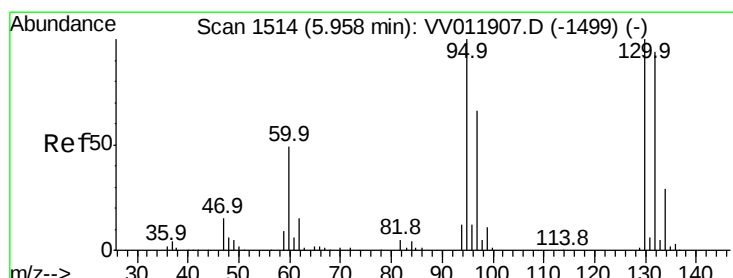
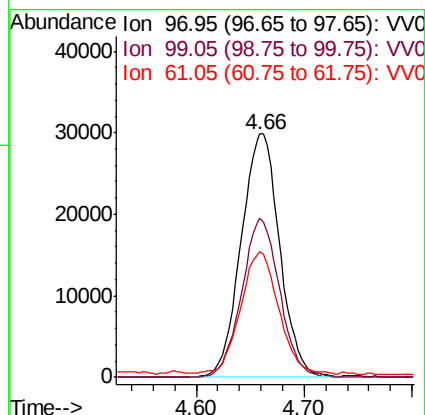
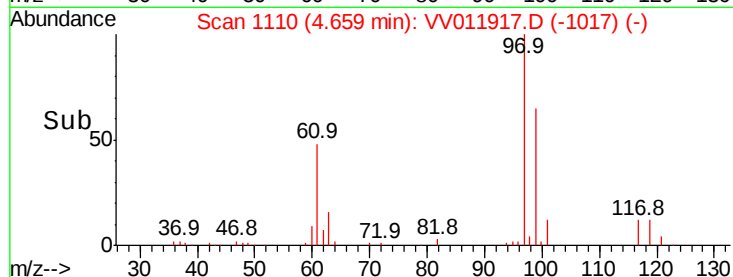
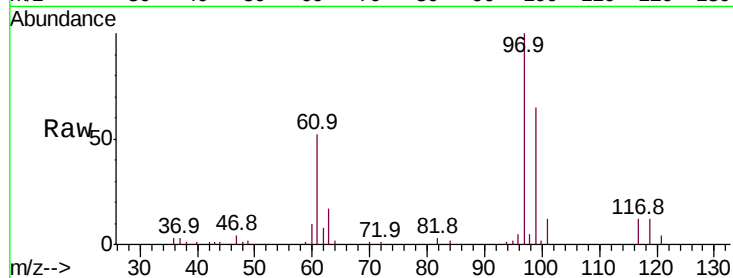




#29
1,1,1-Trichloroethane
Concen: 3.912 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV011917.D
Acq: 17 Jul 2019 17:48

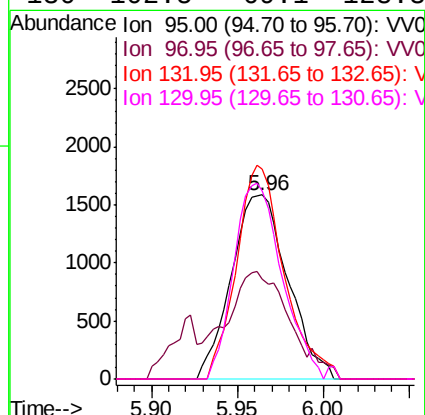
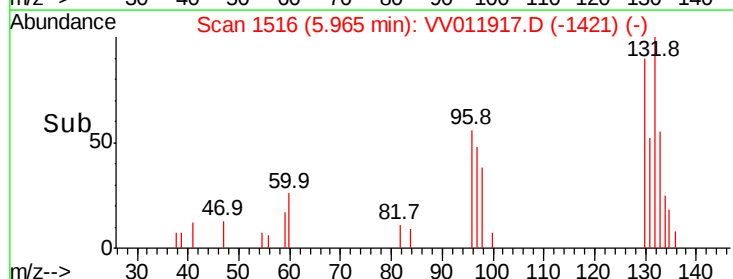
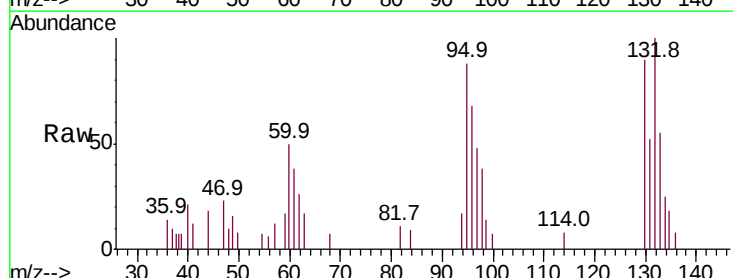
Instrument :
MSVOA_V
ClientSampled :
A52K6

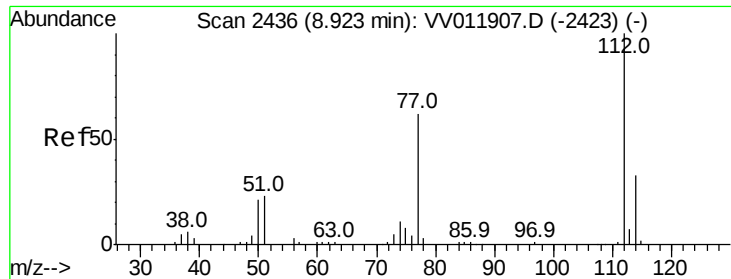
Tot Ion: 97 Resp: 74035
Ion Ratio Lower Upper
97 100
99 64.1 51.1 76.7
61 49.3 38.6 57.8



#34
Trichloroethene
Concen: 0.270 ug/L
RT: 5.96 min Scan# 1516
Delta R.T. 0.01 min
Lab File: VV011917.D
Acq: 17 Jul 2019 17:48

Tgt Ion: 95 Resp: 3619
Ion Ratio Lower Upper
95 100
97 54.4 44.0 81.6
132 114.3 67.0 124.4
130 102.5 69.1 128.3





#51
 Chlorobenzene
 Concen: 0.235 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV011917.D
 Acq: 17 Jul 2019 17:48

Instrument :
 MSVOA_V
 ClientSampleId :
 A52K6

Tot Ion:112 Resp: 7485
 Ion Ratio Lower Upper
 112 100
 114 34.5 22.6 42.0
 77 61.0 48.6 73.0

