

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062119\
 Data File : VV011643.D
 Acq On : 20 Jun 2019 15:34
 Operator : SY/MD
 Sample : K3381-14
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCQ4

Quant Time: Jun 21 02:21:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 21 01:58:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	175959	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	159735	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	66950	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56743	4.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.20%
7) Chloroethane-d5	1.56	69	42430	5.17	ug/L	-0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.40%
11) 1,1-Dichloroethene-d2	2.13	63	155232	6.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	130.80%#
20) 2-Butanone-d5	3.94	46	160085	52.04	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.08%
24) Chloroform-d	4.40	84	110791	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.08	65	62505	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.09	84	221693	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.11	67	69475	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.36	98	196015	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	7.66	79	23000	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.13	63	120804	53.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.36%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	47151	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	64147	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

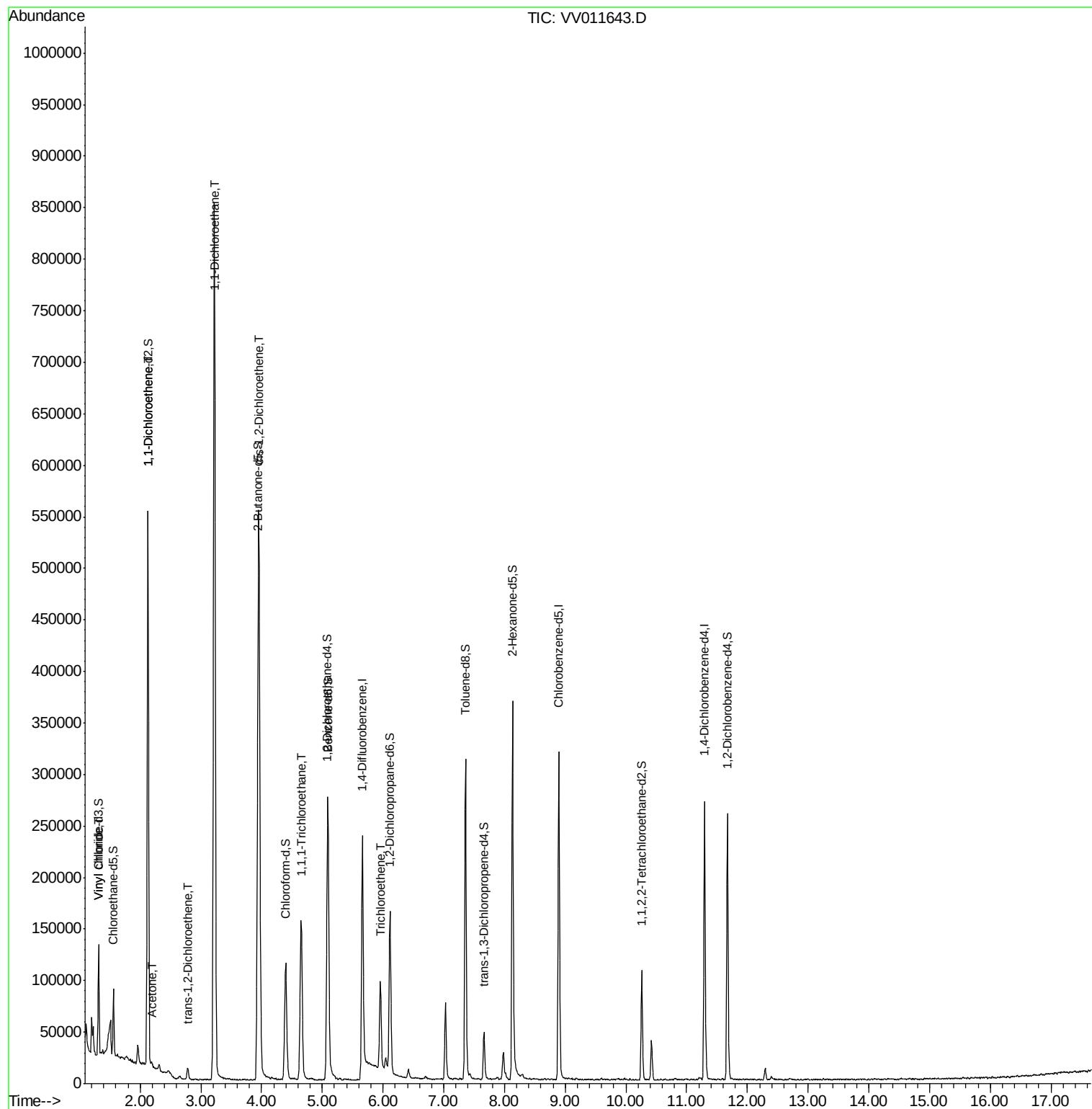
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	5089	0.313	ug/L #	1
12) 1,1-Dichloroethene	2.13	96	121515	11.159	ug/L #	83
13) Acetone	2.19	43	4963	2.233	ug/L	96
18) trans-1,2-Dichloroethene	2.78	96	3773	0.295	ug/L	92
19) 1,1-Dichloroethane	3.22	63	841720	33.076	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	261028	18.553	ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	118526	5.763	ug/L	99
34) Trichloroethene	5.96	95	28881	2.057	ug/L	99

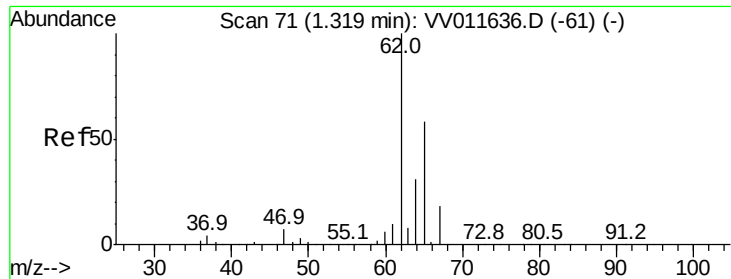
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 21 01:58:40 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.313 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011643.D

Acq: 20 Jun 2019 15:34

Instrument :

MSVOA_V

ClientSampleId :

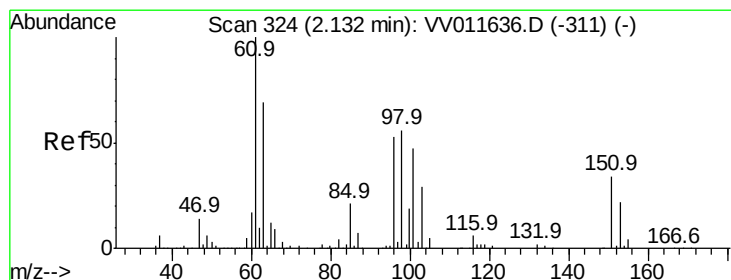
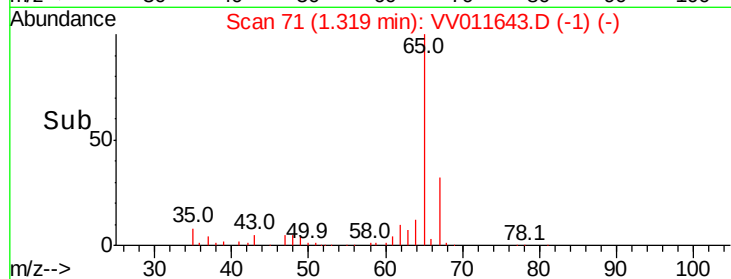
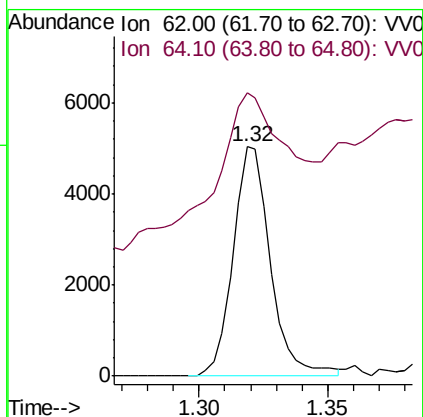
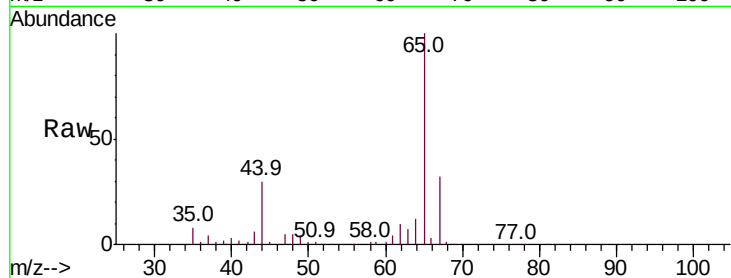
BFCQ4

Tot Ion: 62 Resp: 5089

Ion Ratio Lower Upper

62 100

64 123.4 24.1 44.7#



#12

1,1-Dichloroethene

Concen: 11.159 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011643.D

Acq: 20 Jun 2019 15:34

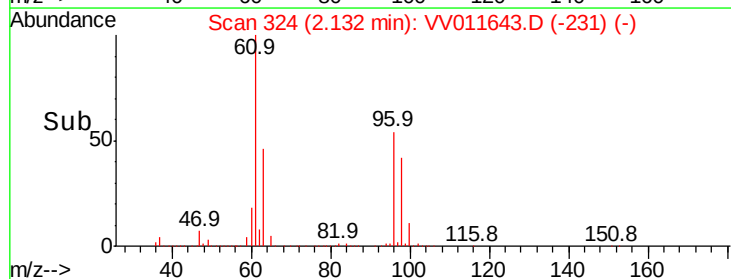
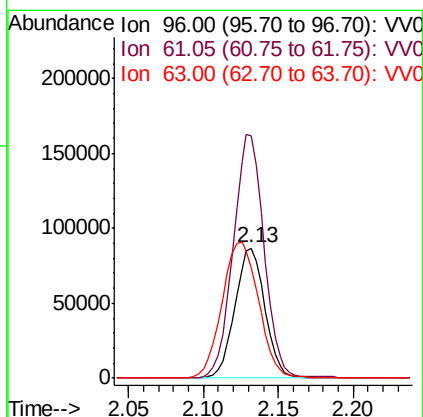
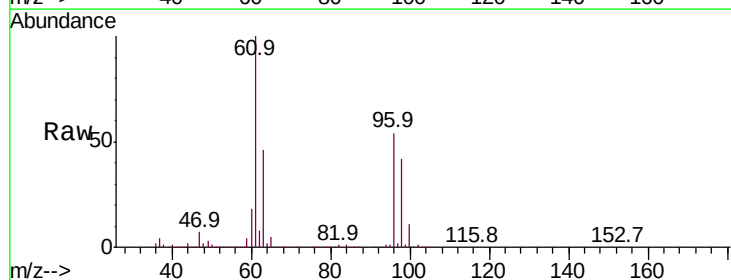
Tgt Ion: 96 Resp: 121515

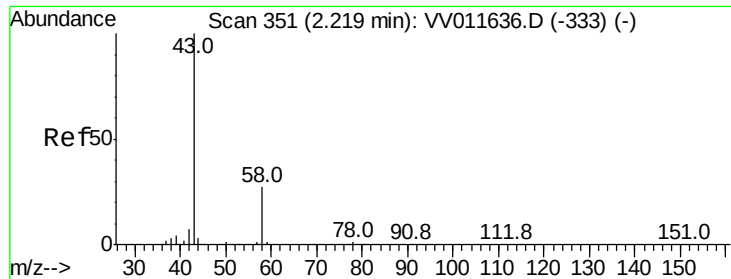
Ion Ratio Lower Upper

96 100

61 186.4 131.5 244.1

63 85.2 91.8 170.4#





#13

Acetone

Concen: 2.233 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.03 min

Lab File: VV011643.D

Acq: 20 Jun 2019 15:34

Instrument :

MSVOA_V

ClientSampleId :

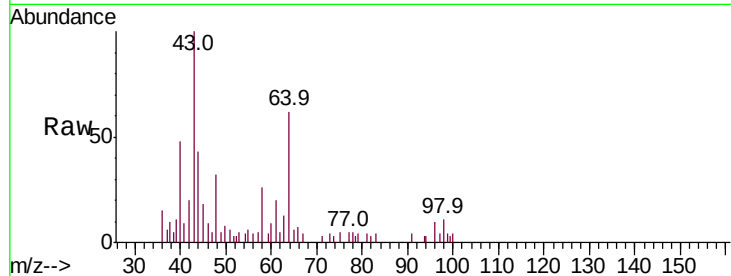
BFCQ4

Tot Ion: 43 Resp: 4963

Ion Ratio Lower Upper

43 100

58 30.3 0.0 56.6



Abundance Ion 43.05 (42.75 to 43.75): VV011636.D (-333) (-)

Ion 58.05 (57.75 to 58.75): VV011636.D (-333) (-)

2.19

3000

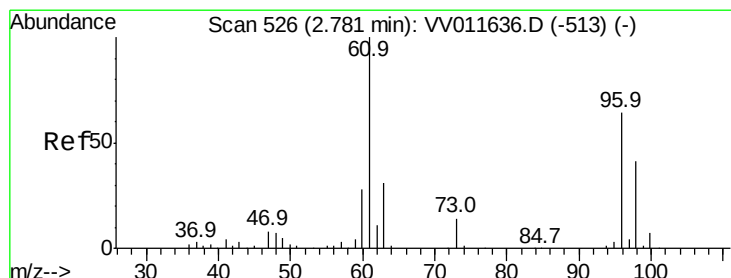
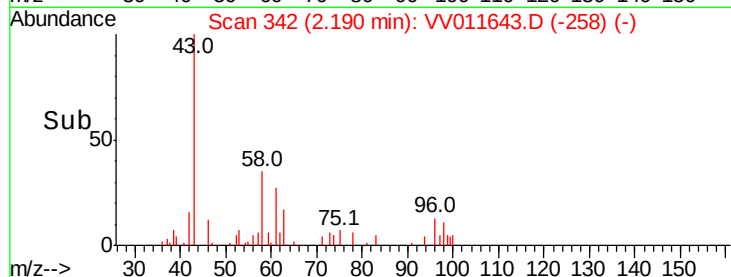
2000

1000

0

Time-->

2.10 2.15 2.20 2.25



#18

trans-1,2-Dichloroethene

Concen: 0.295 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV011643.D

Acq: 20 Jun 2019 15:34

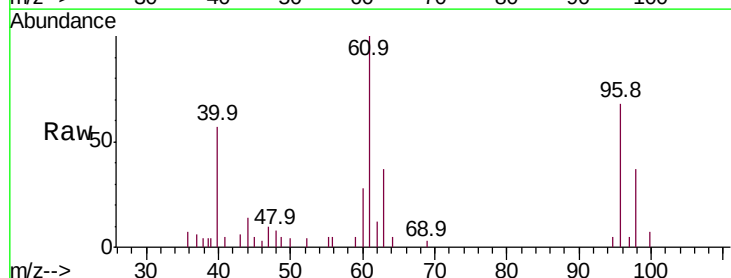
Tgt Ion: 96 Resp: 3773

Ion Ratio Lower Upper

96 100

61 147.8 109.3 203.1

98 54.4 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VV011636.D (-513) (-)

Ion 61.05 (60.75 to 61.75): VV011636.D (-513) (-)

Ion 97.95 (97.65 to 98.65): VV011636.D (-513) (-)

2.78

3000

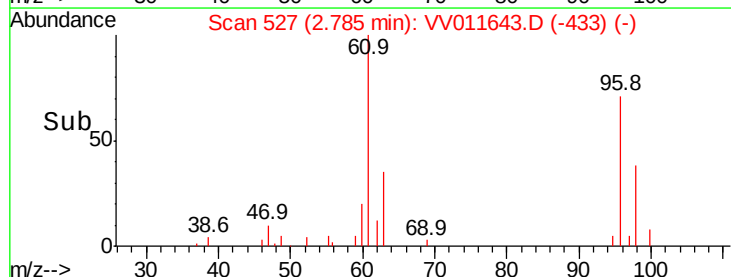
2000

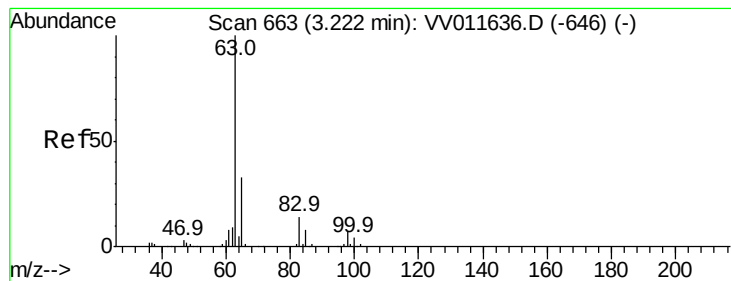
1000

0

Time-->

2.75 2.80





#19

1,1-Dichloroethane

Concen: 33.076 ug/L

RT: 3.22 min Scan# 663

Delta R.T. 0.00 min

Lab File: VV011643.D

Acq: 20 Jun 2019 15:34

Instrument :

MSVOA_V

ClientSampleId :

BFCQ4

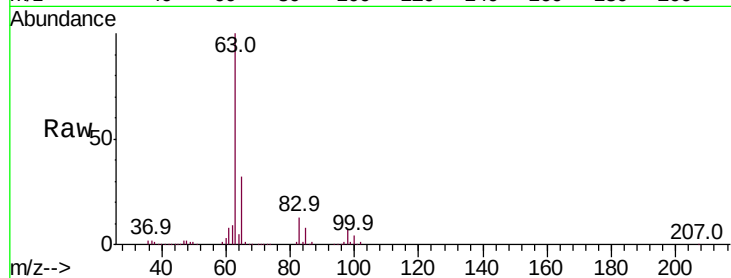
Tot Ion: 63 Resp: 841720

Ion Ratio Lower Upper

63 100

65 31.8 23.0 42.8

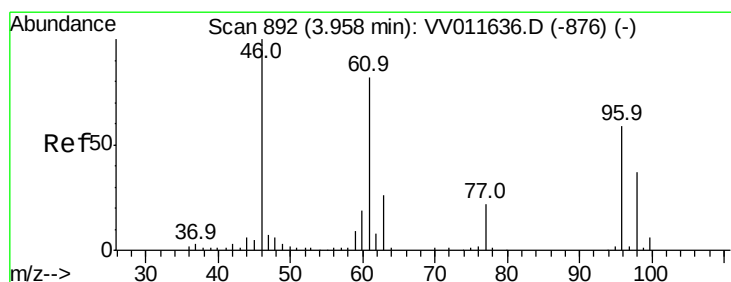
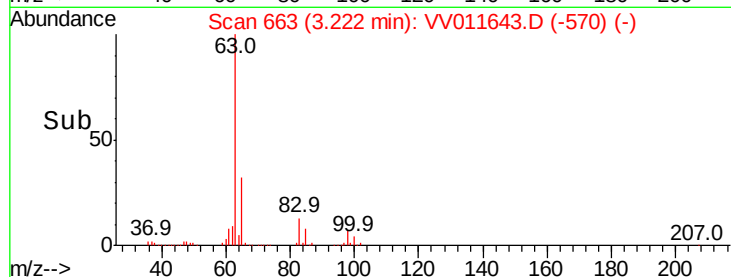
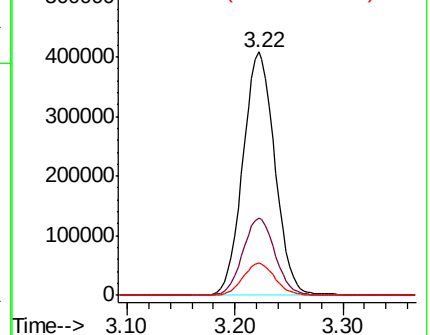
83 13.4 9.5 17.7



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: 18.553 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.00 min

Lab File: VV011643.D

Acq: 20 Jun 2019 15:34

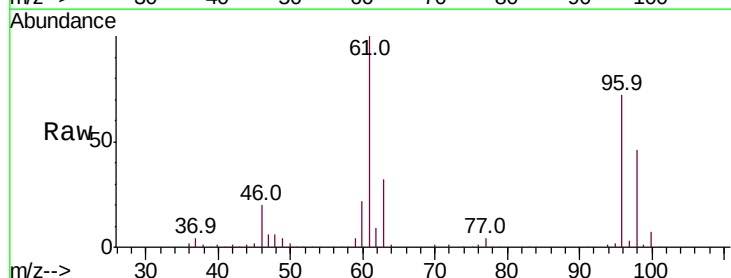
Tgt Ion: 96 Resp: 261028

Ion Ratio Lower Upper

96 100

61 139.8 97.9 181.7

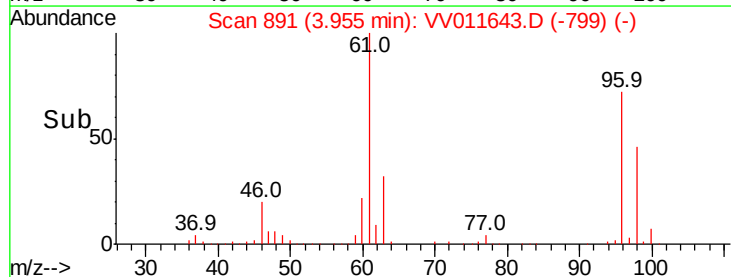
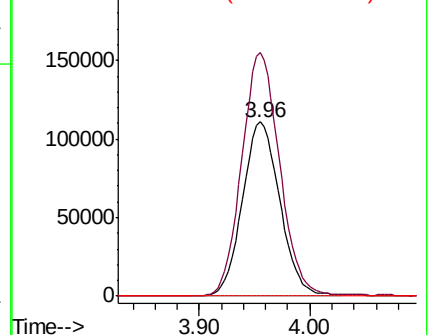
68 0.0 0.0 0.0

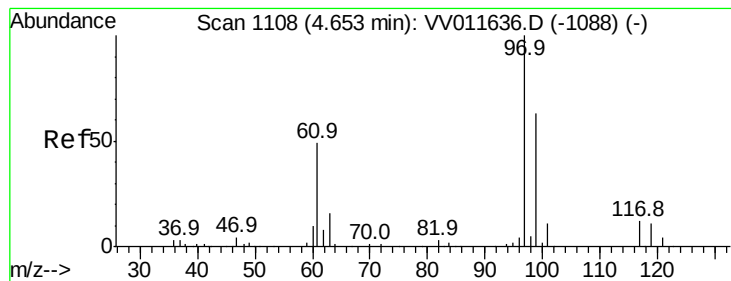


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#29

1,1,1-Trichloroethane

Concen: 5.763 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV011643.D

Acq: 20 Jun 2019 15:34

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MSVOA_V

ClientSampleId :

BFCQ4

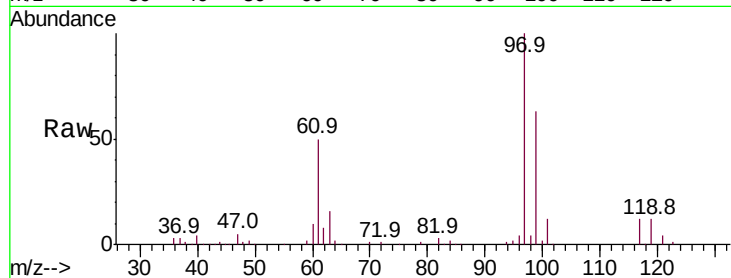
Tot Ion: 97 Resp: 118526

Ion Ratio Lower Upper

97 100

99 63.6 51.6 77.4

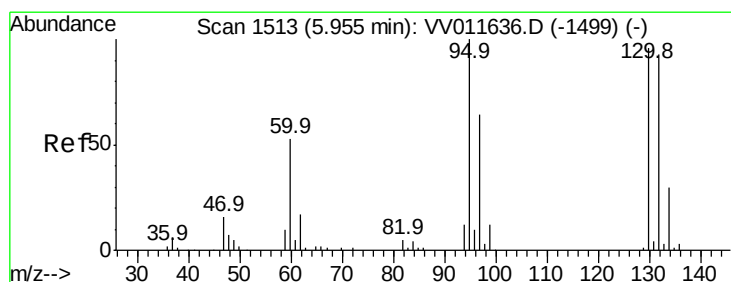
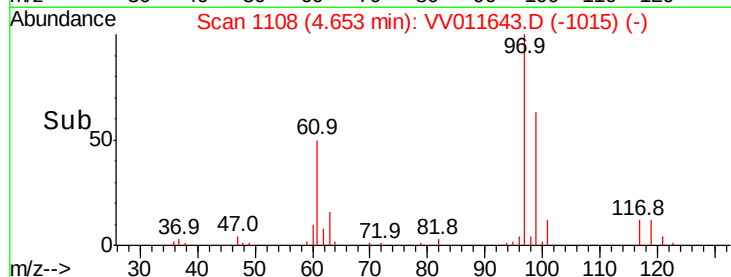
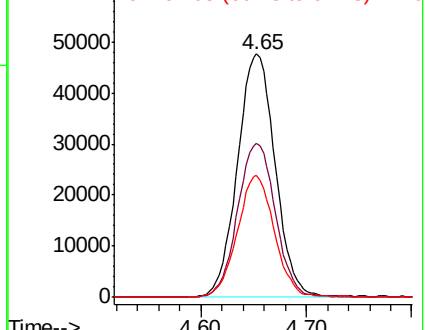
61 49.2 39.8 59.6



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#34

Trichloroethene

Concen: 2.057 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011643.D

Acq: 20 Jun 2019 15:34

Tgt Ion: 95 Resp: 28881

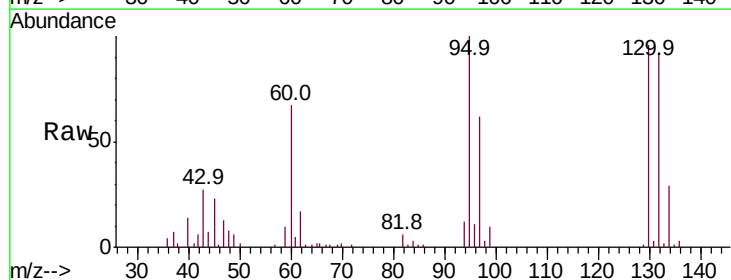
Ion Ratio Lower Upper

95 100

97 61.9 44.4 82.5

132 92.4 65.0 120.6

130 96.2 67.1 124.7



Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

