

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061019\
 Data File : VV011363.D
 Acq On : 10 Jun 2019 21:18
 Operator : SY/MD
 Sample : K3226-04
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCP3

Quant Time: Jun 11 03:53:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 11 01:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	150072	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	138339	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	56878	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	39847	3.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.00%
7) Chloroethane-d5	1.56	69	35314	3.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.80%
11) 1,1-Dichloroethene-d2	2.12	63	80228	3.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.60%
20) 2-Butanone-d5	3.95	46	124605	48.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.34%
24) Chloroform-d	4.40	84	85923	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	5.08	65	49152	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
32) Benzene-d6	5.09	84	164632	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.60%
36) 1,2-Dichloropropane-d6	6.12	67	52469	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.40%
41) Toluene-d8	7.36	98	141345	3.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.40%
43) trans-1,3-Dichloropropene-	7.66	79	15223	3.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.60%
46) 2-Hexanone-d5	8.14	63	94660	46.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.22%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37560	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	48815	4.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.00%

Target Compounds

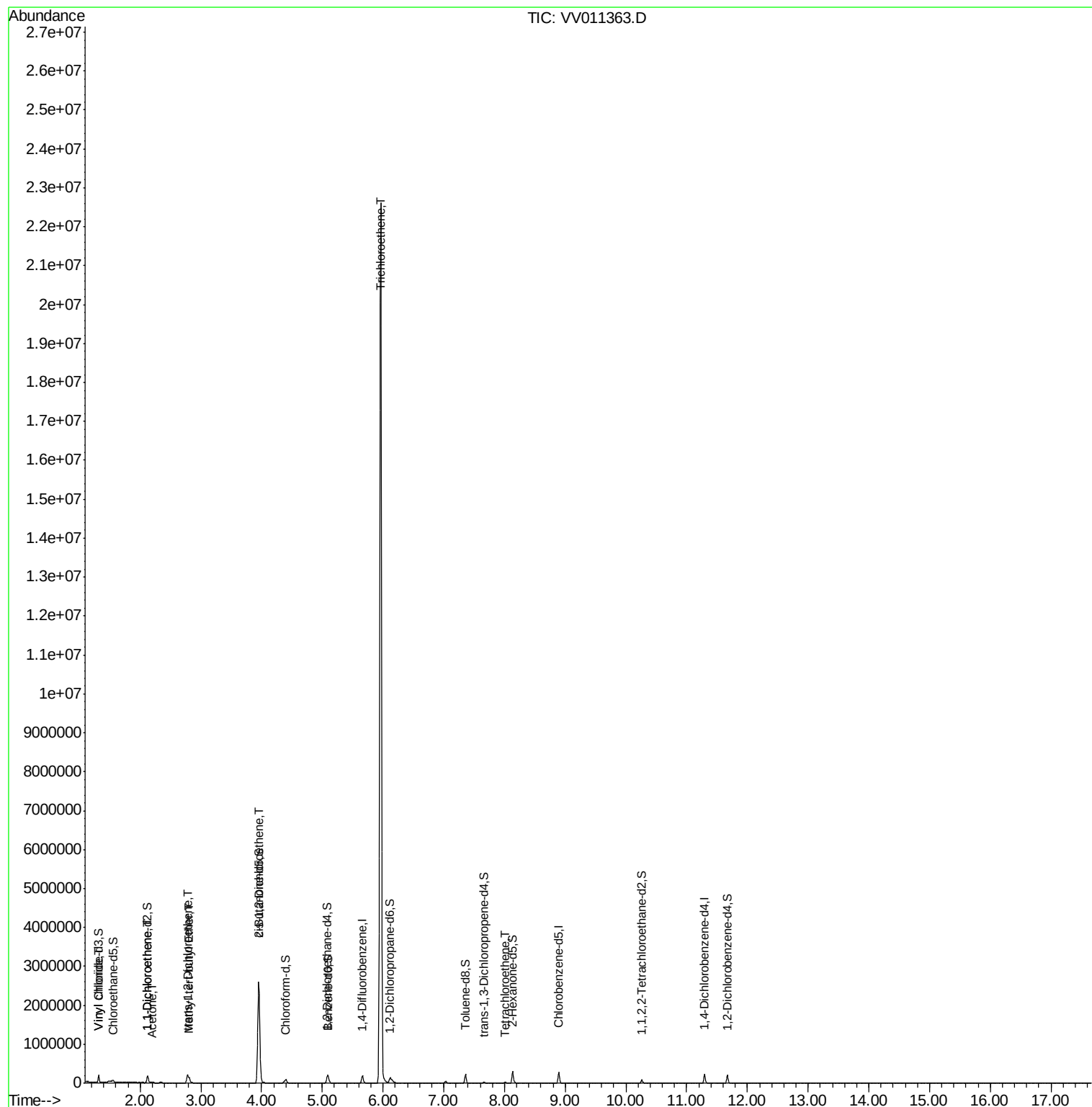
					Ovalue
5) Vinyl chloride	1.32	62	80980	5.865 ug/L	96
12) 1,1-Dichloroethene	2.13	96	26000	2.750 ug/L #	81
13) Acetone	2.20	43	3752	2.186 ug/L	85
17) Methyl tert-butyl Ether	2.81	73	112179	4.444 ug/L	97
18) trans-1,2-Dichloroethene	2.78	96	61790	5.837 ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	1282716	109.410 ug/L #	97
34) Trichloroethene	5.96	95	7497034	659.254 ug/L	96
47) Tetrachloroethene	8.02	164	5230	0.636 ug/L	96

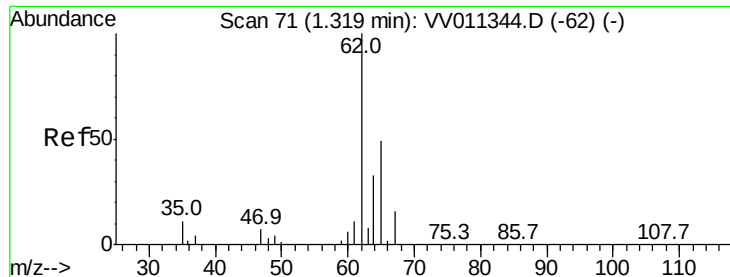
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 5.865 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011363.D

Acq: 10 Jun 2019 21:18

Instrument :

MSVOA_V

ClientSampleId :

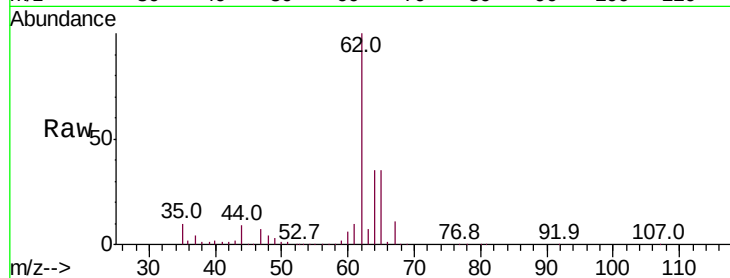
BFCP3

Tot Ion: 62 Resp: 80980

Ion Ratio Lower Upper

62 100

64 34.6 25.9 48.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

80000

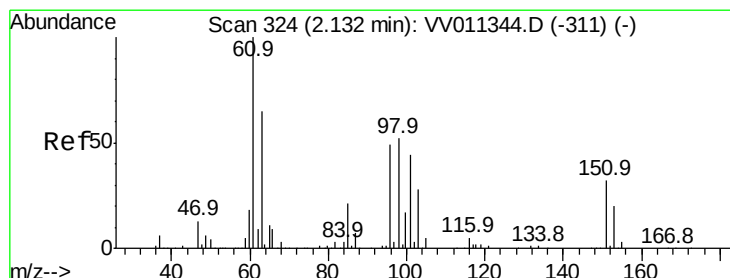
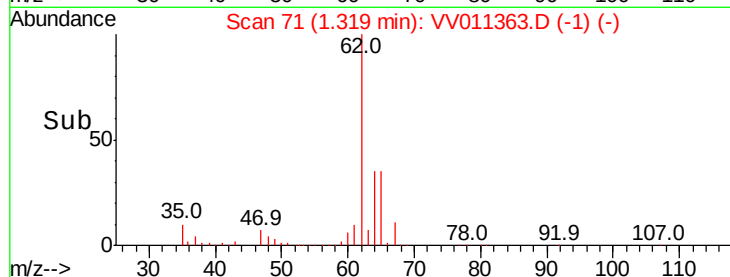
60000

40000

20000

0

Time--> 1.25 1.30 1.35 1.40



#12

1,1-Dichloroethene

Concen: 2.750 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011363.D

Acq: 10 Jun 2019 21:18

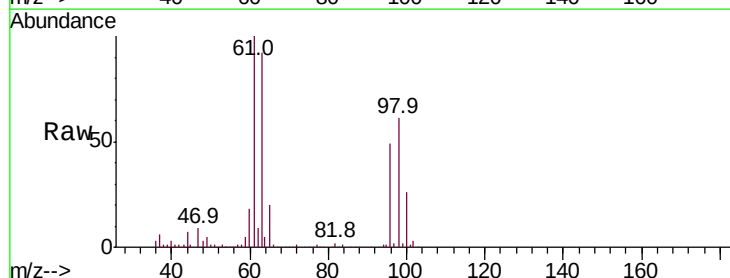
Tgt Ion: 96 Resp: 26000

Ion Ratio Lower Upper

96 100

61 202.6 139.8 259.6

63 186.5 94.3 175.1#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

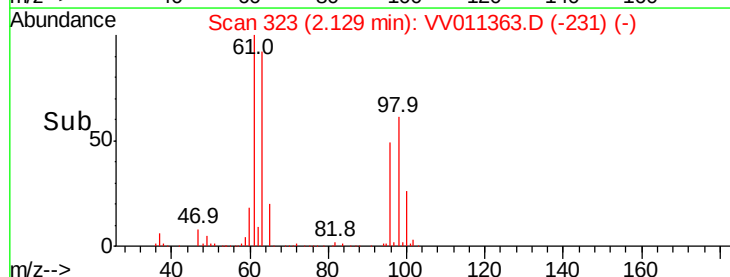
60000

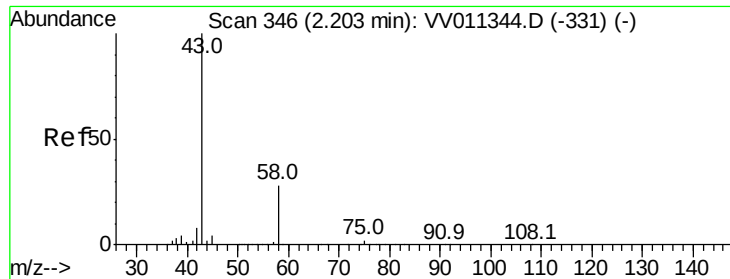
40000

20000

0

Time--> 2.10 2.15 2.20





#13

Acetone

Concen: 2.186 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.01 min

Lab File: VV011363.D

Acq: 10 Jun 2019 21:18

Instrument :

MSVOA_V

ClientSampleId :

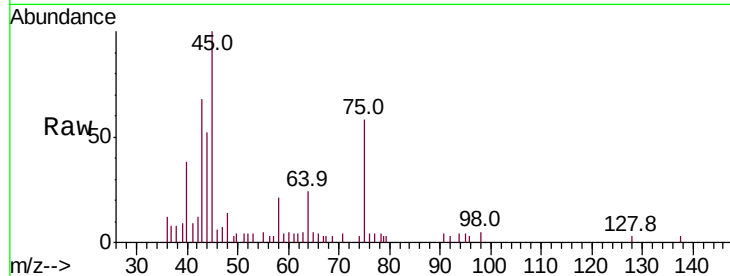
BFCP3

Tot Ion: 43 Resp: 3752

Ion Ratio Lower Upper

43 100

58 35.6 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.20

2500

2000

1500

1000

500

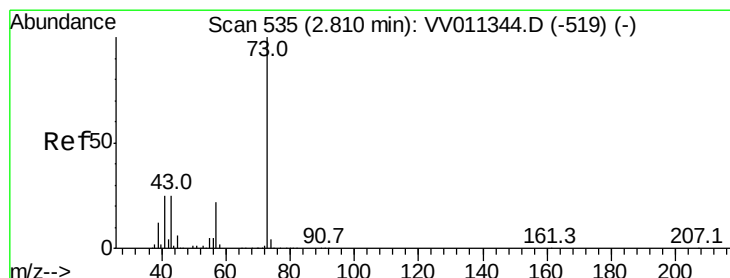
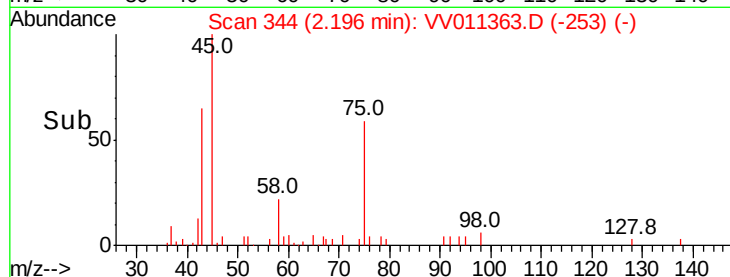
0

Time-->

2.15

2.20

2.25



#17

Methyl tert-butyl Ether

Concen: 4.444 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV011363.D

Acq: 10 Jun 2019 21:18

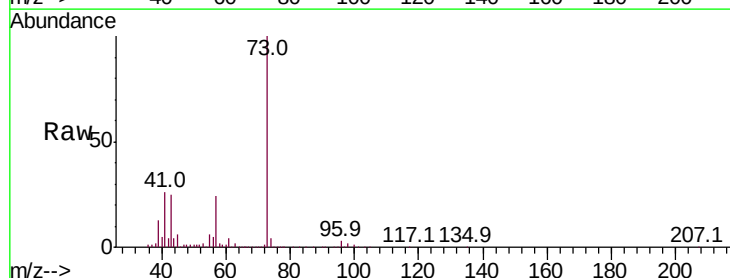
Tgt Ion: 73 Resp: 112179

Ion Ratio Lower Upper

73 100

43 25.1 18.7 28.1

57 23.7 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0

2.81

60000

40000

20000

0

Time-->

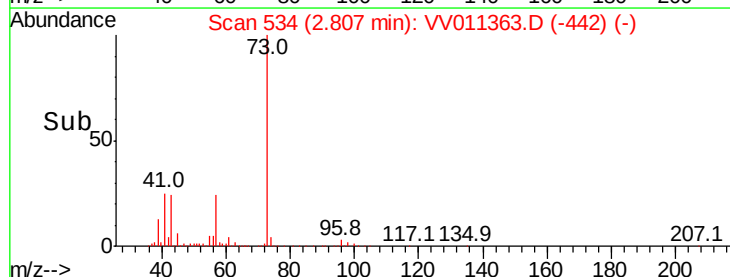
2.70

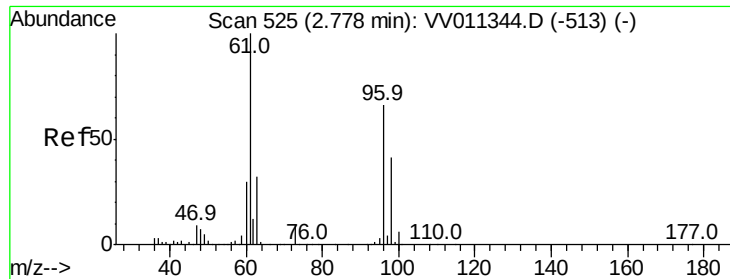
2.75

2.80

2.85

2.90





#18

trans-1,2-Dichloroethene

Concen: 5.837 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV011363.D

Acq: 10 Jun 2019 21:18

Instrument :

MSVOA_V

ClientSampleId :

BFCP3

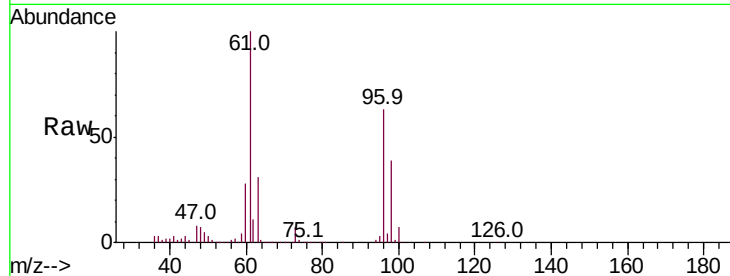
Tot Ion: 96 Resp: 61790

Ion Ratio Lower Upper

96 100

61 158.4 104.0 193.2

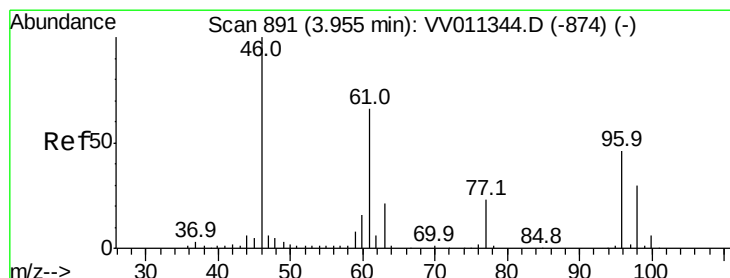
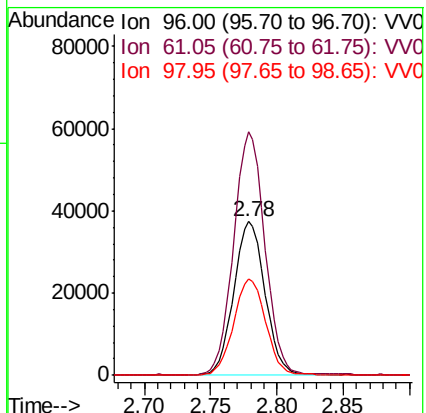
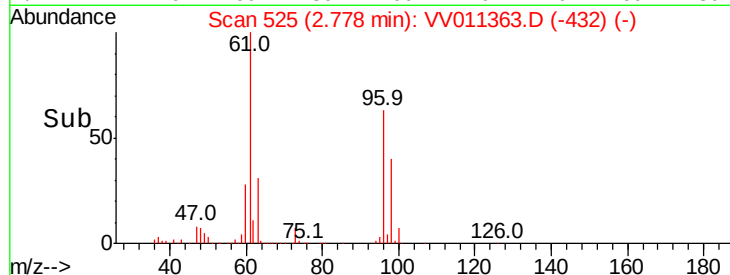
98 62.5 45.7 84.9



Abundance Ion 96.00 (95.70 to 96.70): VV011363.D (-432) (-)

Ion 61.05 (60.75 to 61.75): VV011363.D (-432) (-)

Ion 97.95 (97.65 to 98.65): VV011363.D (-432) (-)



#22

cis-1,2-Dichloroethene

Concen: 109.410 ug/L

RT: 3.96 min Scan# 891

Delta R.T. 0.00 min

Lab File: VV011363.D

Acq: 10 Jun 2019 21:18

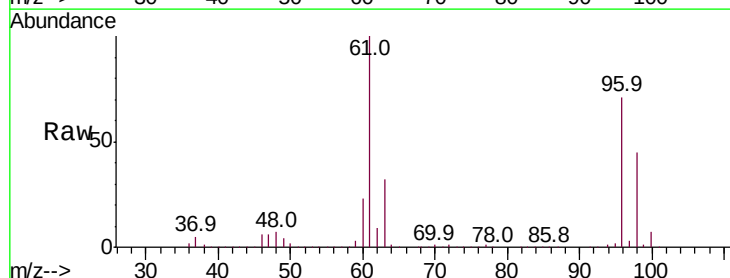
Tgt Ion: 96 Resp: 1282716

Ion Ratio Lower Upper

96 100

61 140.7 100.8 187.2

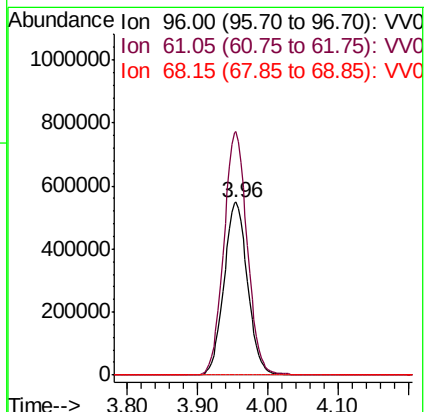
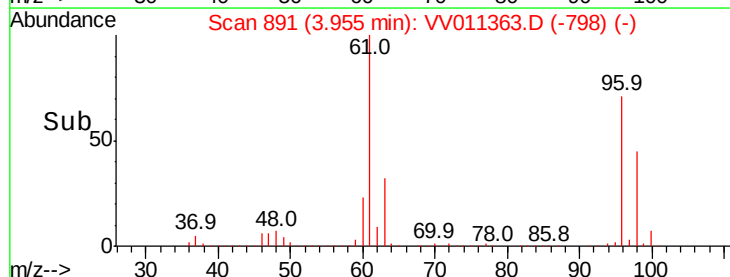
68 0.0 0.0 0.0#

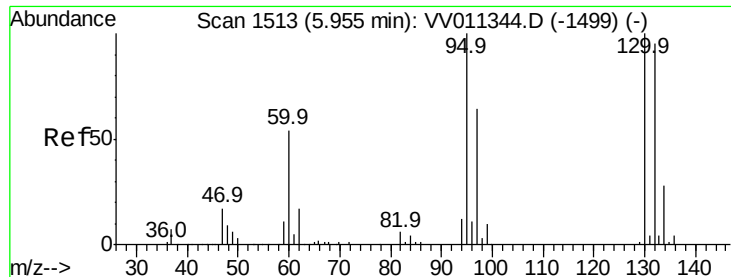


Abundance Ion 96.00 (95.70 to 96.70): VV011363.D (-798) (-)

Ion 61.05 (60.75 to 61.75): VV011363.D (-798) (-)

Ion 68.15 (67.85 to 68.85): VV011363.D (-798) (-)





#34

Trichloroethene

Concen: 659.254 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV011363.D

Acq: 10 Jun 2019 21:18

Instrument :

MSVOA_V

ClientSampleId :

BFCP3

Tot Ion: 95 Resp: 7497034

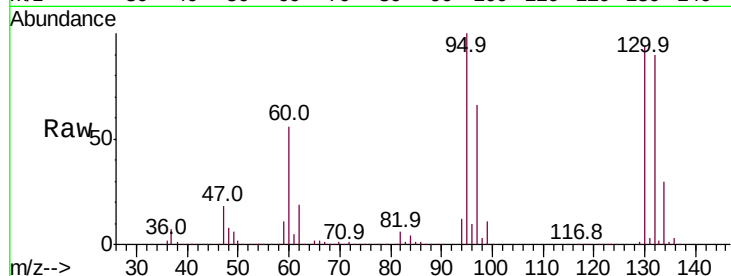
Ion Ratio Lower Upper

95 100

97 66.5 45.8 85.2

132 89.8 66.4 123.2

130 93.5 68.3 126.8

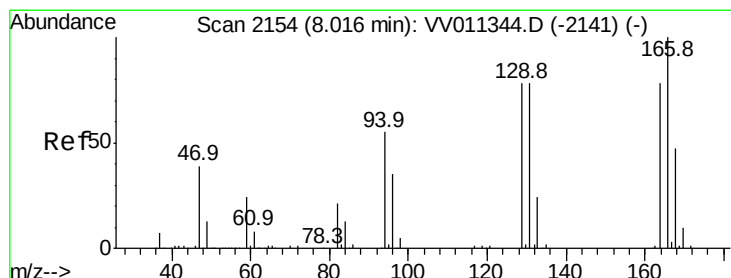
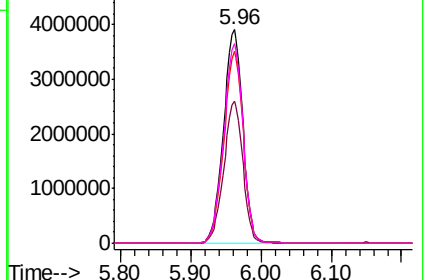
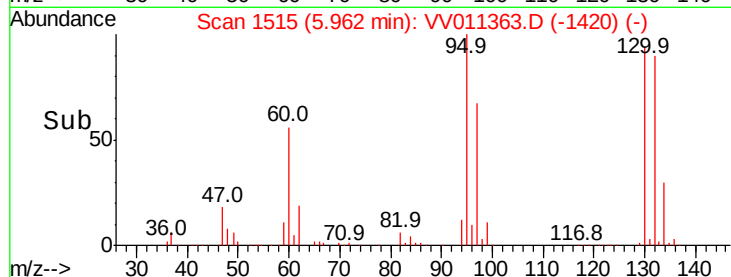


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#47

Tetrachloroethene

Concen: 0.636 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV011363.D

Acq: 10 Jun 2019 21:18

Tgt Ion:164 Resp: 5230

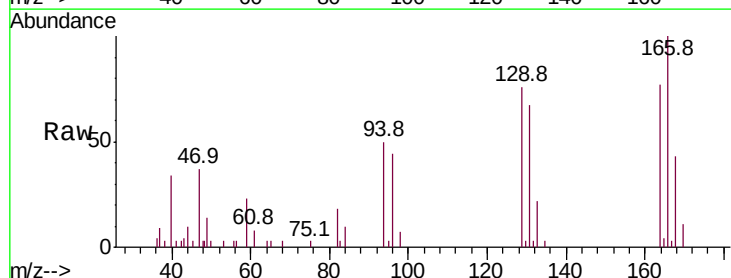
Ion Ratio Lower Upper

164 100

129 98.0 69.9 129.9

131 86.5 66.8 124.2

166 129.7 90.2 167.6



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

