

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060619\
 Data File : VV011265.D
 Acq On : 07 Jun 2019 02:00
 Operator : SY/MD
 Sample : K3226-09
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCN7

Quant Time: Jun 07 03:06:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 07 02:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	164036	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	148648	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	62901	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56111	4.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.20%
7) Chloroethane-d5	1.57	69	48494	4.69	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.80%
11) 1,1-Dichloroethene-d2	2.12	63	92710	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	3.95	46	152404	54.46	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.92%
24) Chloroform-d	4.40	84	102219	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.08	65	58984	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.09	84	210568	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.12	67	64780	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.36	98	187609	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	7.66	79	21014	4.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.40%
46) 2-Hexanone-d5	8.14	63	119014	53.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.90%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	46471	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	61178	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

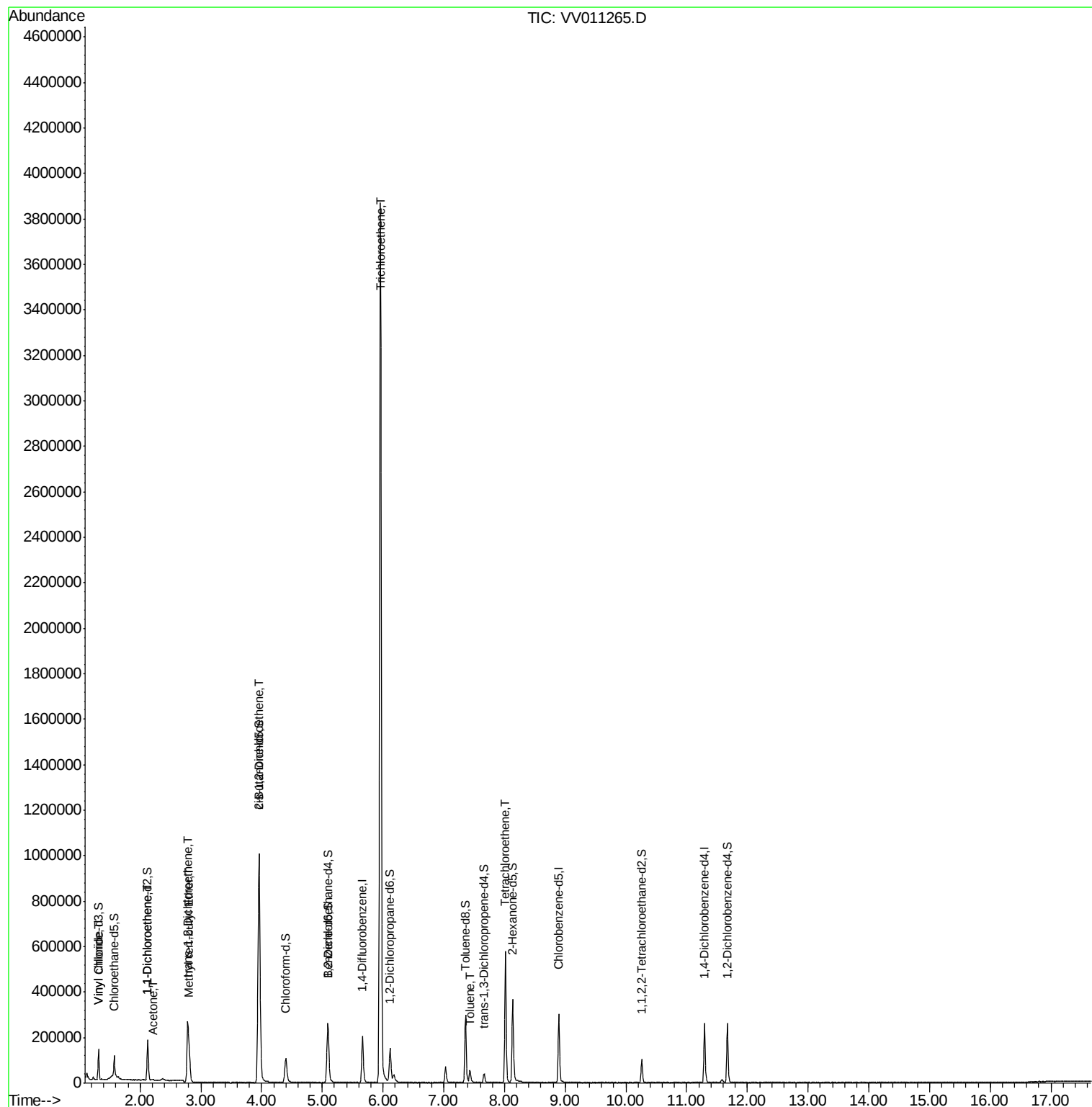
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	20600	1.365	ug/L	100
12) 1,1-Dichloroethene	2.14	96	8042	0.778	ug/L	# 1
13) Acetone	2.21	43	4273	2.277	ug/L	84
17) Methyl tert-butyl Ether	2.81	73	119606	4.335	ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	84729	7.322	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	477475	37.259	ug/L	97
34) Trichloroethene	5.96	95	1306382	106.910	ug/L	98
42) Toluene	7.43	91	37020	0.734	ug/L	98
47) Tetrachloroethene	8.02	164	115324	13.059	ug/L	100

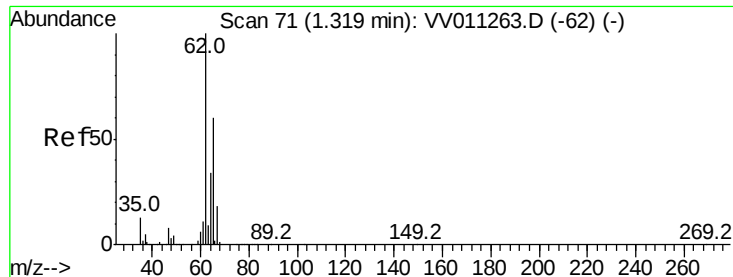
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 07 02:51:59 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.365 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011265.D

Acq: 07 Jun 2019 02:00

Instrument :

MSVOA_V

ClientSampleId :

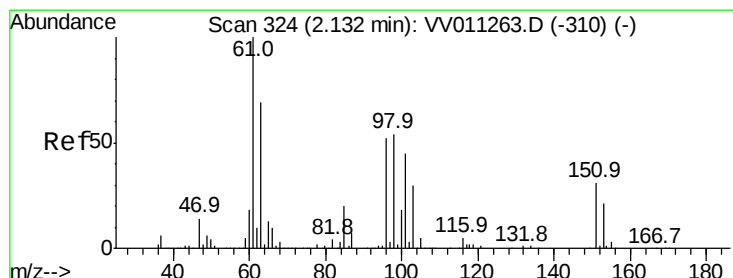
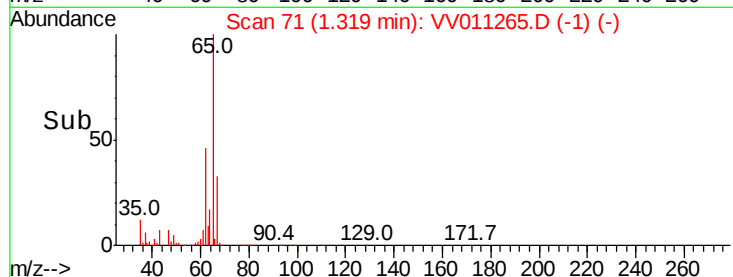
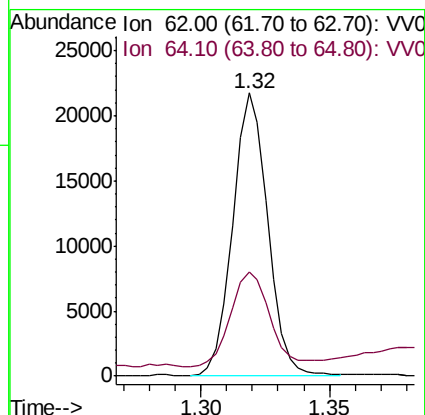
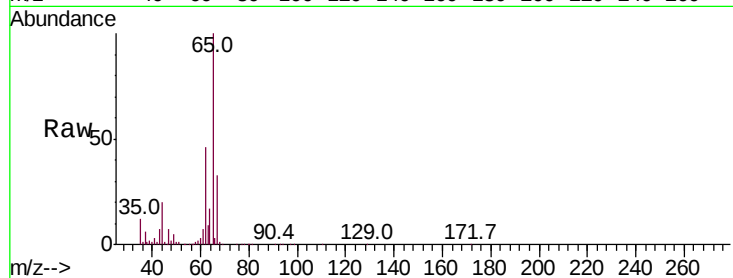
BFCN7

Tot Ion: 62 Resp: 20600

Ion Ratio Lower Upper

62 100

64 36.9 25.9 48.1



#12

1,1-Dichloroethene

Concen: 0.778 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV011265.D

Acq: 07 Jun 2019 02:00

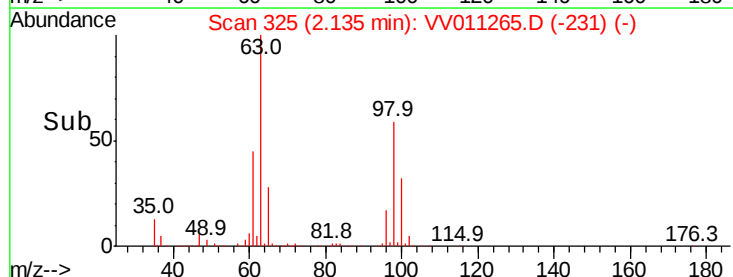
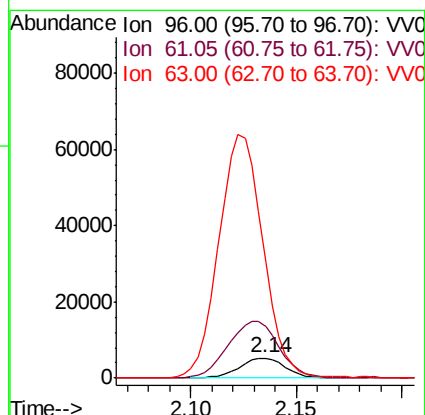
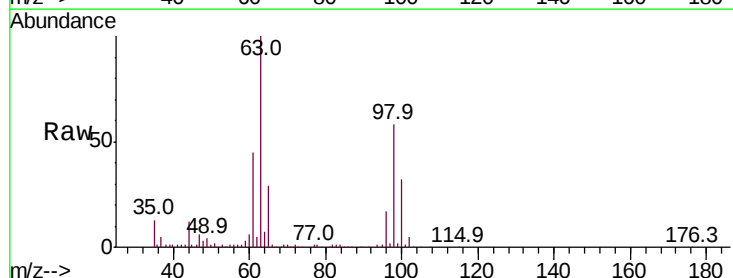
Tgt Ion: 96 Resp: 8042

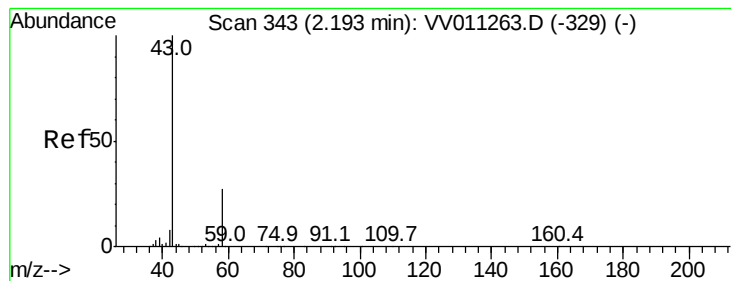
Ion Ratio Lower Upper

96 100

61 257.4 139.8 259.6

63 572.3 94.3 175.1#





#13

Acetone

Concen: 2.277 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.01 min

Lab File: VV011265.D

Acq: 07 Jun 2019 02:00

Instrument :

MSVOA_V

ClientSampleId :

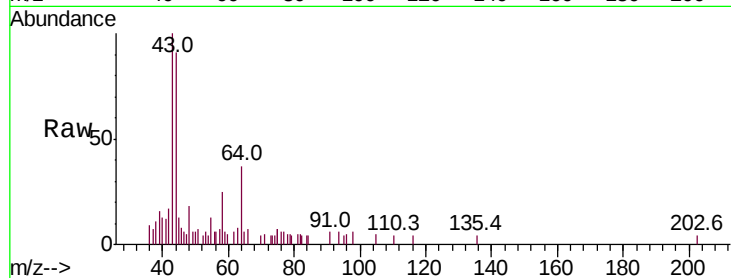
BFCN7

Tot Ion: 43 Resp: 4273

Ion Ratio Lower Upper

43 100

58 36.1 0.0 55.2



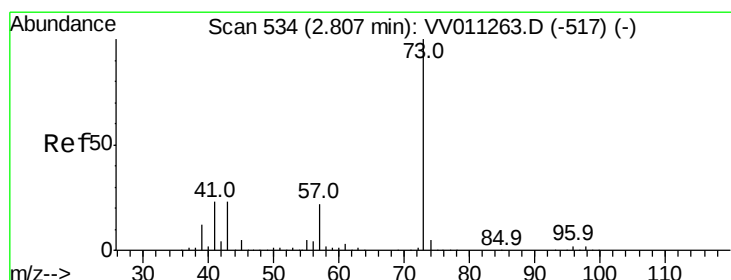
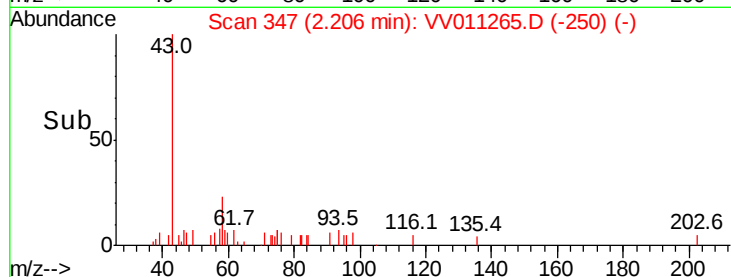
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.21

2.15 2.20 2.25

Time-->



#17

Methyl tert-butyl Ether

Concen: 4.335 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV011265.D

Acq: 07 Jun 2019 02:00

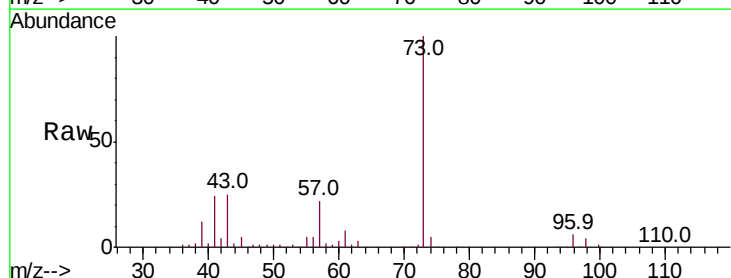
Tgt Ion: 73 Resp: 119606

Ion Ratio Lower Upper

73 100

43 24.0 18.7 28.1

57 23.7 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VV0

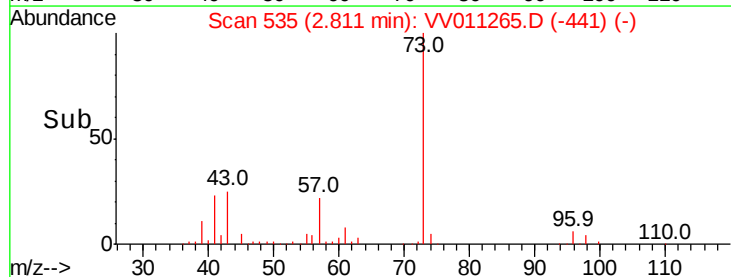
Ion 43.05 (42.75 to 43.75): VV0

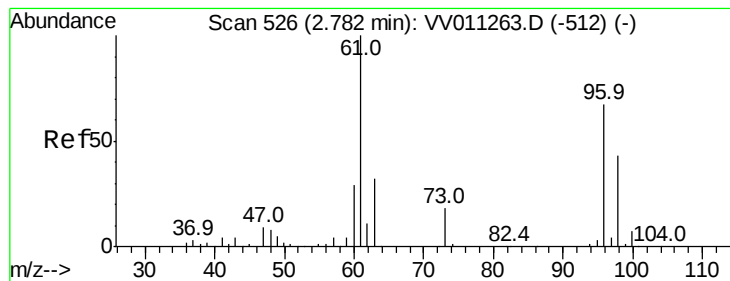
Ion 57.10 (56.80 to 57.80): VV0

2.81

2.75 2.80 2.85 2.90

Time-->





#18

trans-1,2-Dichloroethene

Concen: 7.322 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV011265.D

Acq: 07 Jun 2019 02:00

Instrument :

MSVOA_V

ClientSampleId :

BFCN7

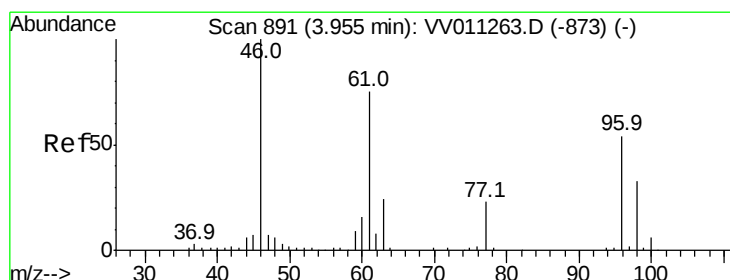
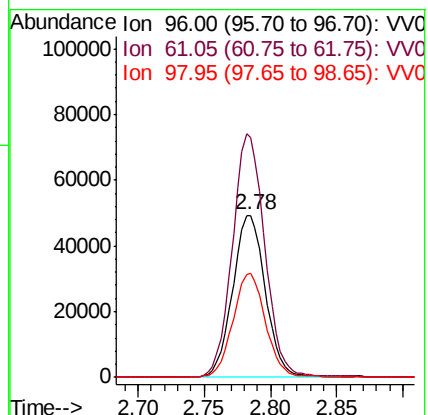
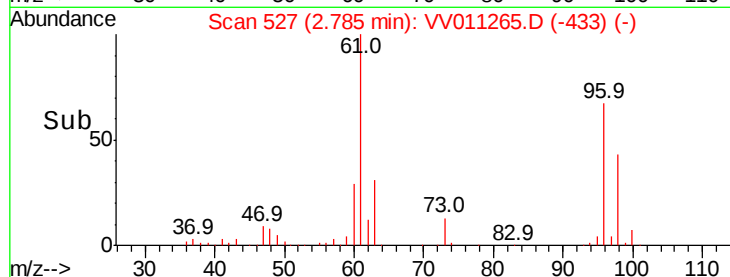
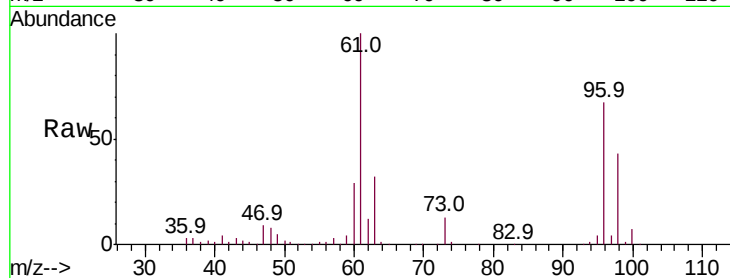
Tot Ion: 96 Resp: 84729

Ion Ratio Lower Upper

96 100

61 148.4 104.0 193.2

98 64.0 45.7 84.9



#22

cis-1,2-Dichloroethene

Concen: 37.259 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV011265.D

Acq: 07 Jun 2019 02:00

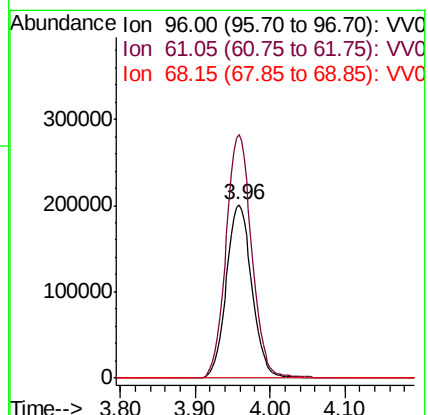
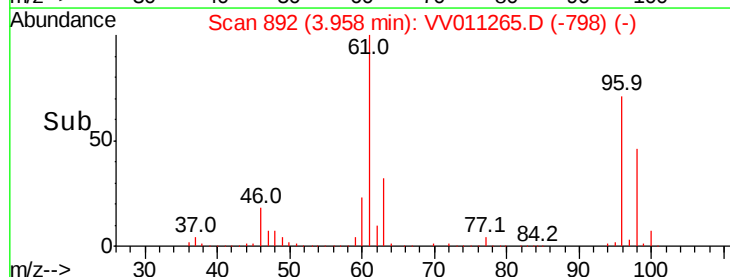
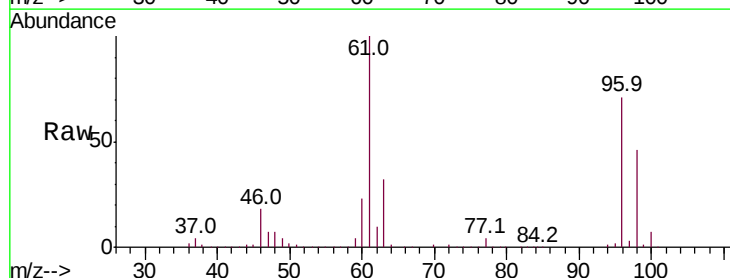
Tgt Ion: 96 Resp: 477475

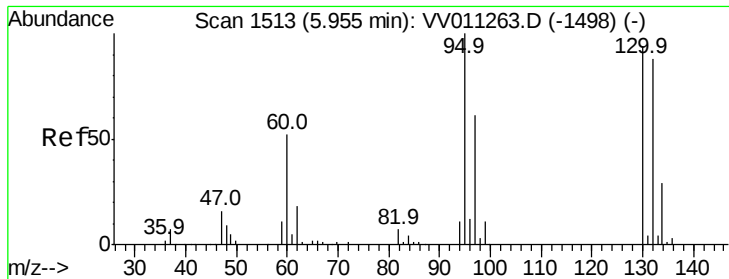
Ion Ratio Lower Upper

96 100

61 140.5 100.8 187.2

68 0.0 0.0 0.0



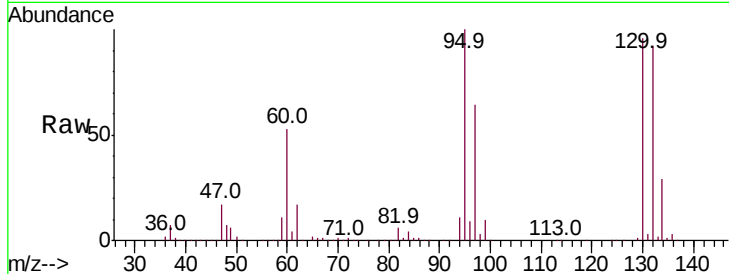


#34
 Trichloroethene
 Concen: 106.910 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV011265.D
 Acq: 07 Jun 2019 02:00

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCN7

Tot Ion: 95 Resp: 1306382

Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.8	85.2
132	92.0	66.4	123.2
130	95.7	68.3	126.8



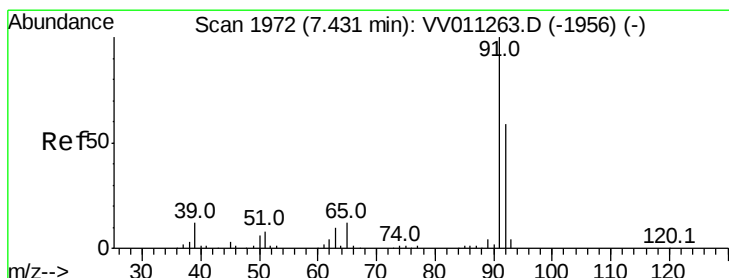
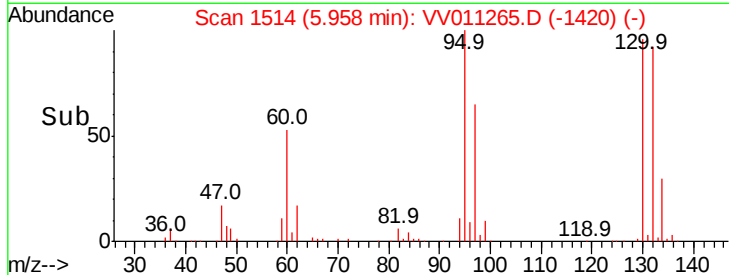
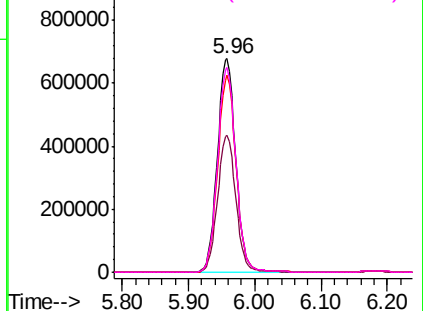
Abundance

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

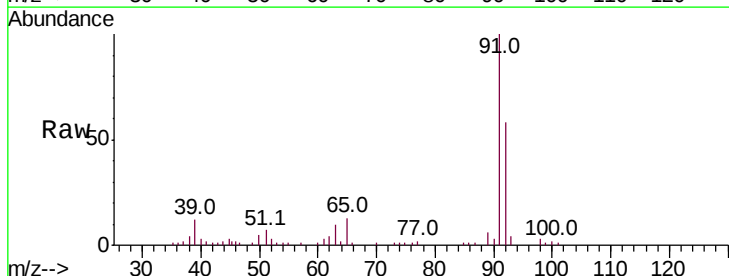
Ion 129.95 (129.65 to 130.65): V



#42
 Toluene
 Concen: 0.734 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VV011265.D
 Acq: 07 Jun 2019 02:00

Tgt Ion: 91 Resp: 37020

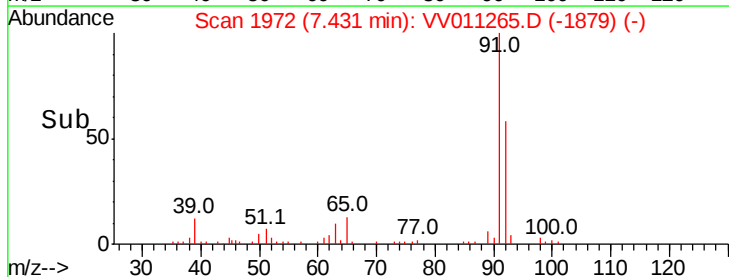
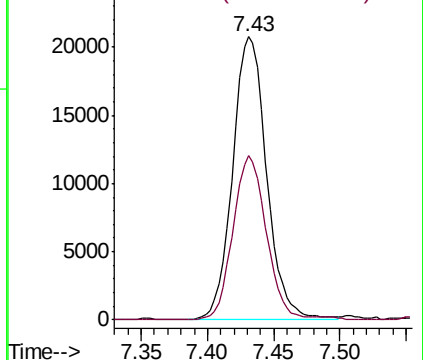
Ion	Ratio	Lower	Upper
91	100		
92	58.1	39.9	74.1

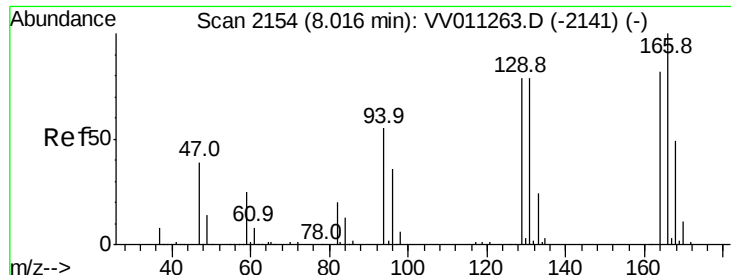


Abundance

Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0





#47

Tetrachloroethene

Concen: 13.059 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV011265.D

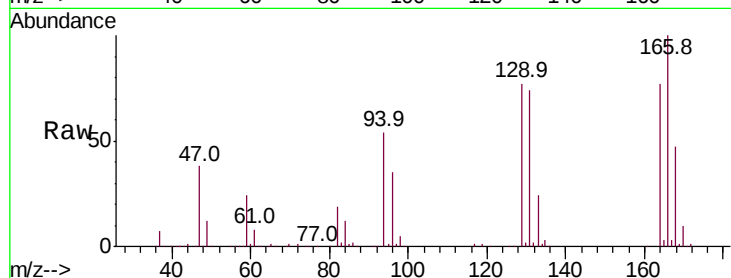
Acq: 07 Jun 2019 02:00

Instrument :

MSVOA_V

ClientSampleId :

BFCN7



Tot Ion:164 Resp: 115324

Ion Ratio Lower Upper

164 100

129 100.3 69.9 129.9

131 95.2 66.8 124.2

166 129.4 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

