

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061419\
 Data File : VV011532.D
 Acq On : 15 Jun 2019 11:47
 Operator : SY/MD
 Sample : K3289-16
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCM1

Quant Time: Jun 17 06:47:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 17 04:30:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	177378	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	170766	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	66325	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	63478	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.55	69	50724	5.98	ug/L	-0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	119.60%
11) 1,1-Dichloroethene-d2	2.12	63	103451	4.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.20%
20) 2-Butanone-d5	3.94	46	193106	51.24	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.48%
24) Chloroform-d	4.39	84	120365	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.08	65	70044	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.09	84	241363	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.11	67	74998	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.36	98	209441	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	7.66	79	22024	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
46) 2-Hexanone-d5	8.13	63	149580	48.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.34%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	54776	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	69565	5.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

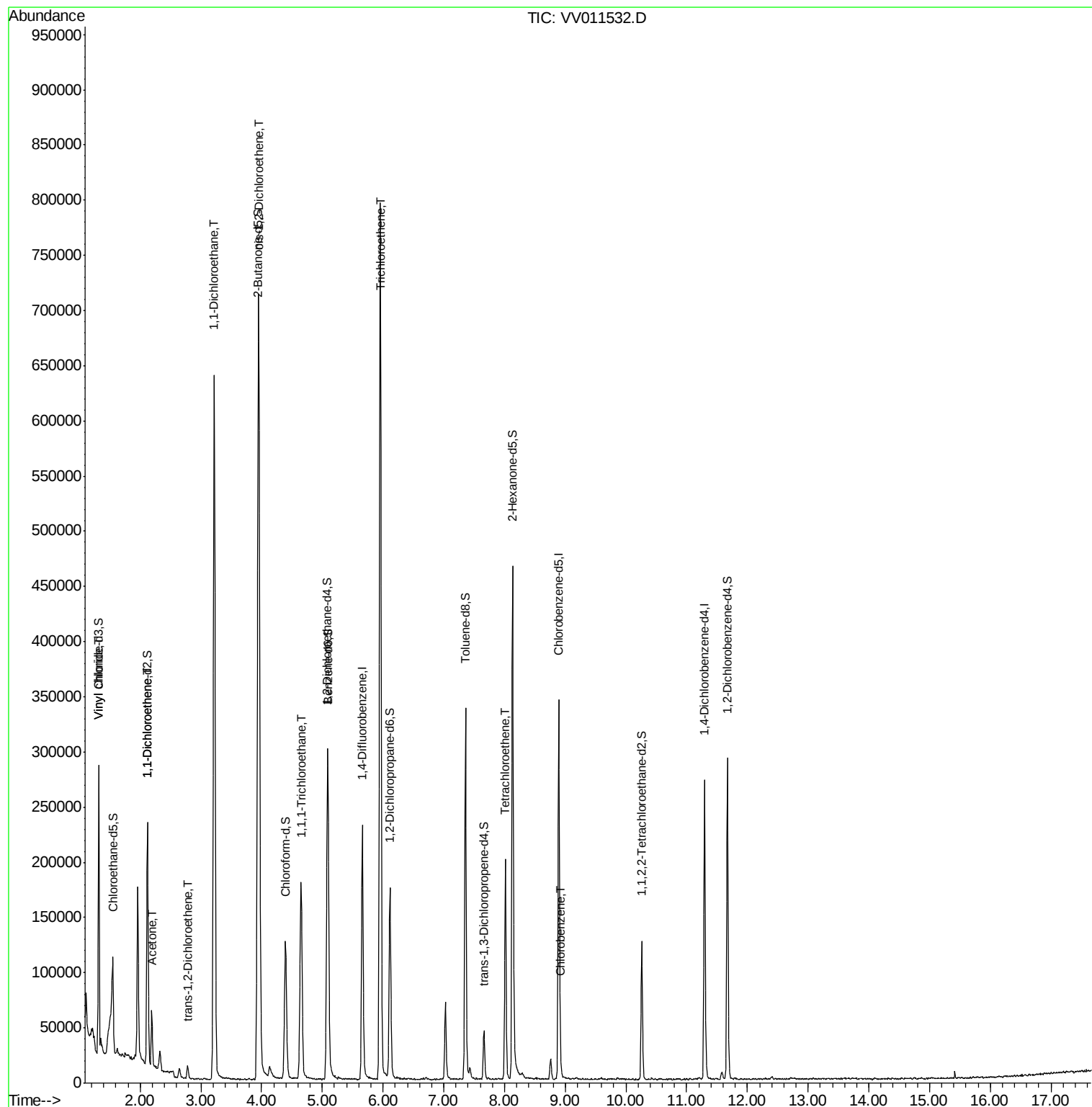
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	92314	5.453	ug/L	99
12) 1,1-Dichloroethene	2.13	96	24112	2.186	ug/L #	62
13) Acetone	2.19	43	5825	2.294	ug/L	88
18) trans-1,2-Dichloroethene	2.78	96	3952	0.317	ug/L	96
19) 1,1-Dichloroethane	3.22	63	628572	24.359	ug/L	99
22) cis-1,2-Dichloroethene	3.95	96	326092	23.076	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	133538	6.285	ug/L	99
34) Trichloroethene	5.96	95	265694	18.680	ug/L	97
47) Tetrachloroethene	8.02	164	39784	3.922	ug/L	96
51) Chlorobenzene	8.93	112	3911	0.110	ug/L	96

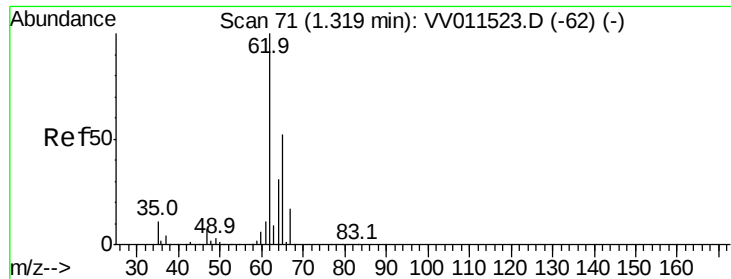
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 5.453 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011532.D

Acq: 15 Jun 2019 11:47

Instrument :

MSVOA_V

ClientSampleId :

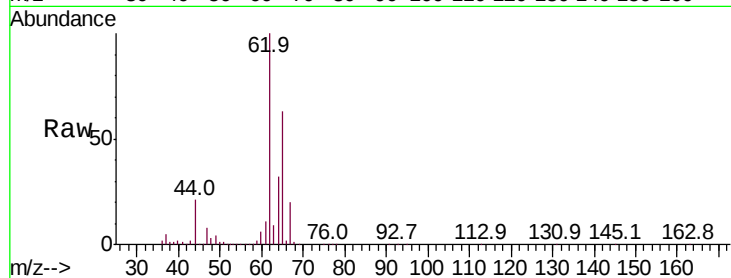
BFCM1

Tot Ion: 62 Resp: 92314

Ion Ratio Lower Upper

62 100

64 32.5 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

100000

80000

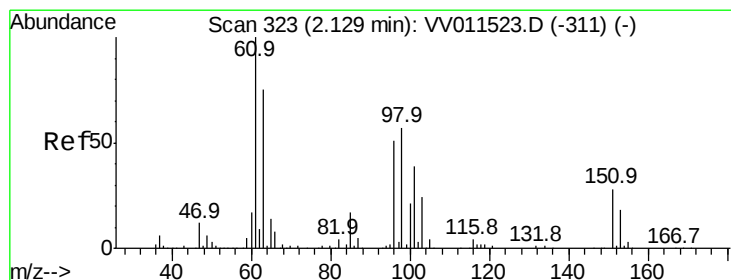
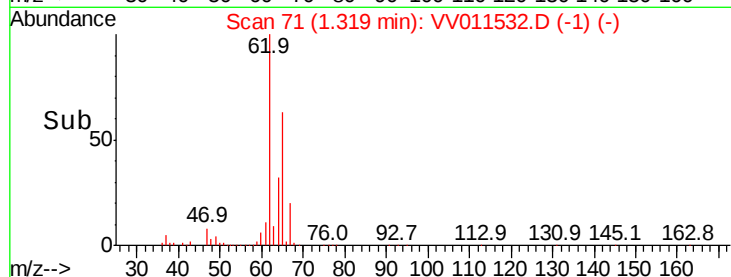
60000

40000

20000

0

Time--> 1.25 1.30 1.35 1.40



#12

1,1-Dichloroethene

Concen: 2.186 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV011532.D

Acq: 15 Jun 2019 11:47

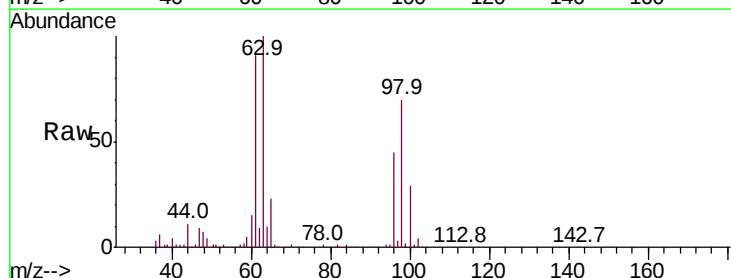
Tgt Ion: 96 Resp: 24112

Ion Ratio Lower Upper

96 100

61 202.7 135.9 252.5

63 222.5 86.2 160.2#



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

80000

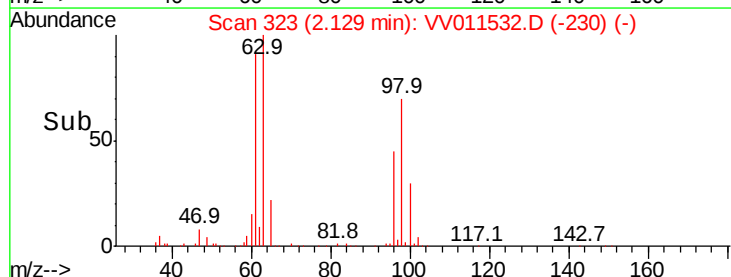
60000

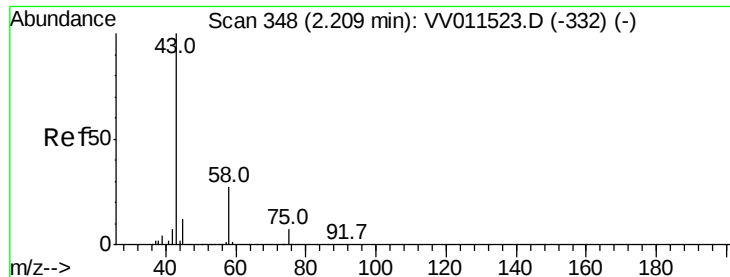
40000

20000

0

Time--> 2.05 2.10 2.15





#13

Acetone

Concen: 2.294 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.02 min

Lab File: VV011532.D

Acq: 15 Jun 2019 11:47

Instrument :

MSVOA_V

ClientSampleId :

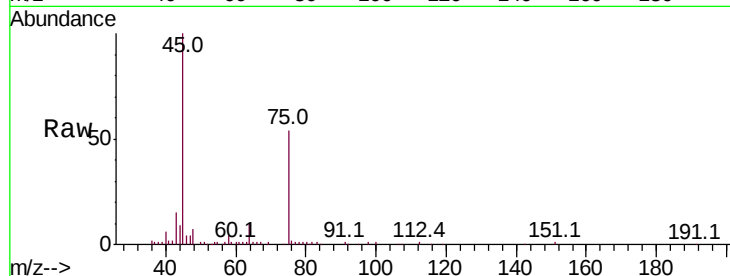
BFCM1

Tot Ion: 43 Resp: 5825

Ion Ratio Lower Upper

43 100

58 35.1 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.19

4000

3000

2000

1000

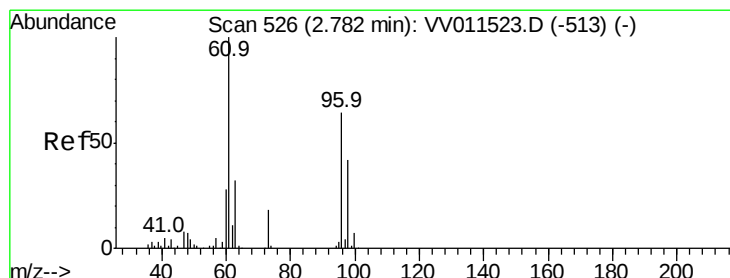
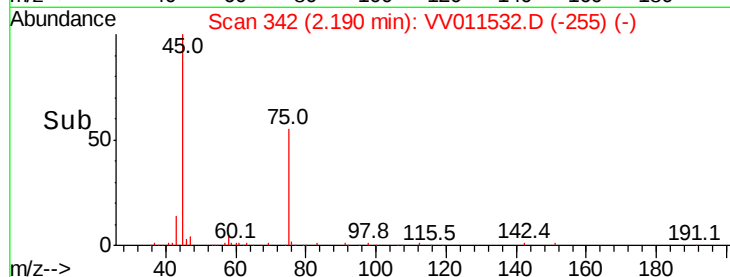
0

Time-->

2.15

2.20

2.25



#18

trans-1,2-Dichloroethene

Concen: 0.317 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV011532.D

Acq: 15 Jun 2019 11:47

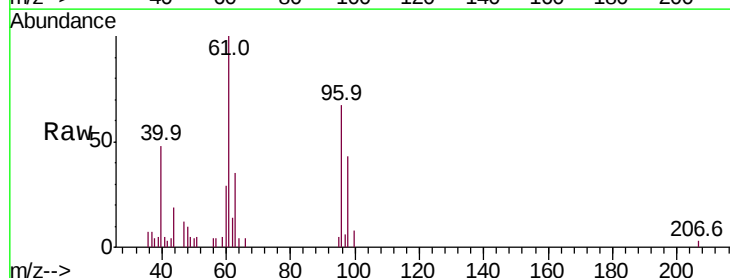
Tgt Ion: 96 Resp: 3952

Ion Ratio Lower Upper

96 100

61 149.6 110.0 204.4

98 64.6 45.8 85.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

4000

3000

2000

1000

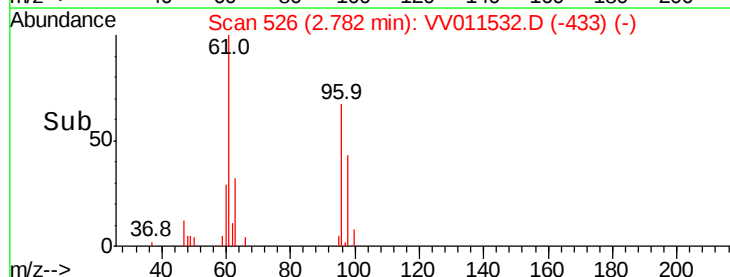
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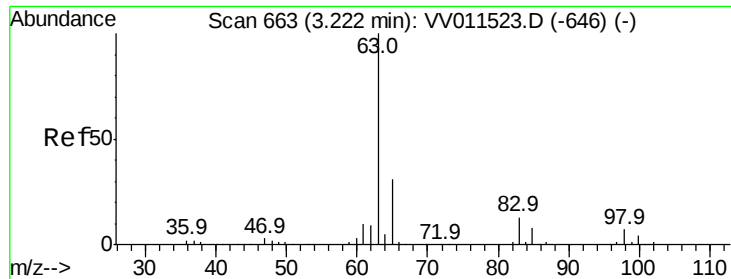
Time-->

2.75

2.80

2.85

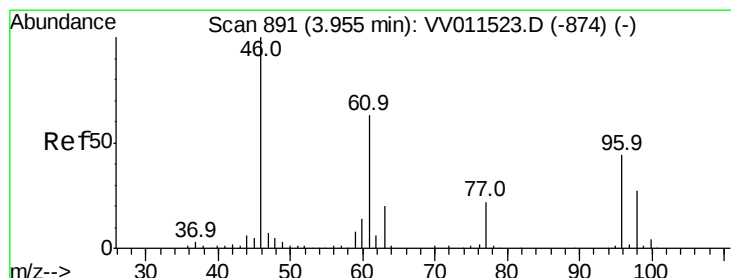
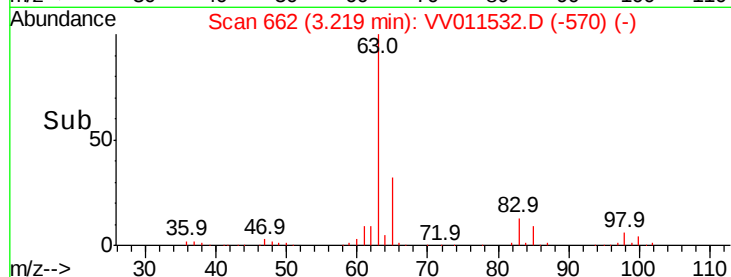
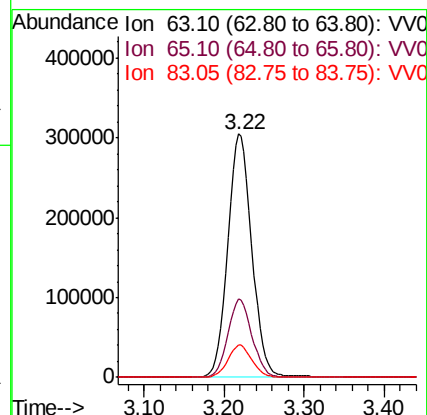
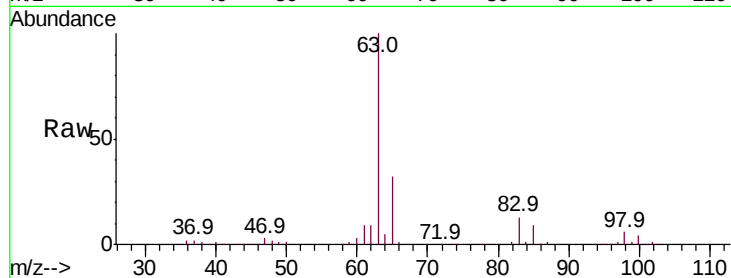




#19
 1,1-Dichloroethane
 Concen: 24.359 ug/L
 RT: 3.22 min Scan# 662
 Delta R.T. -0.00 min
 Lab File: VV011532.D
 Acq: 15 Jun 2019 11:47

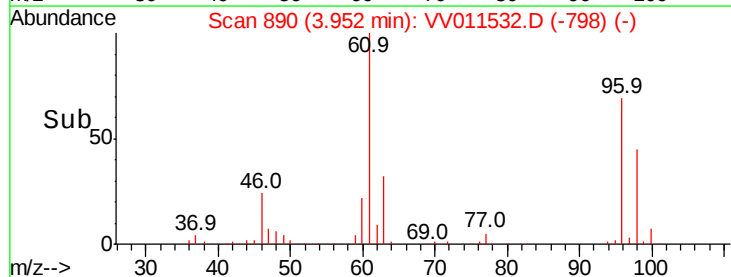
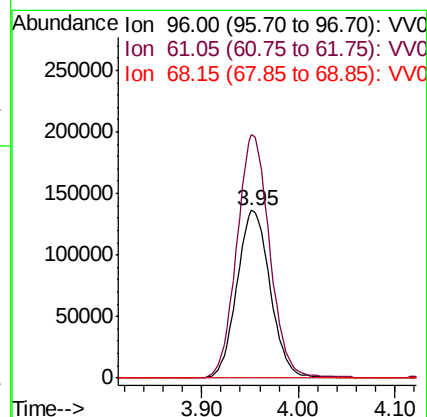
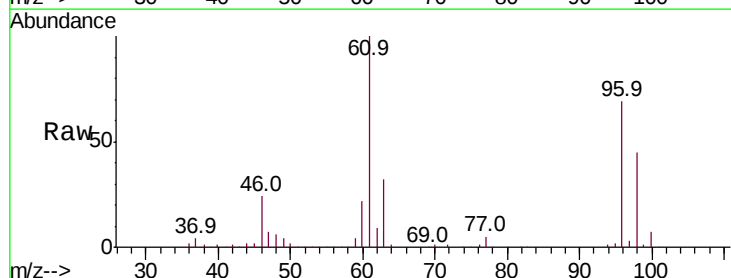
Instrument :
 MSVOA_V
 ClientSampleId :
 BFCM1

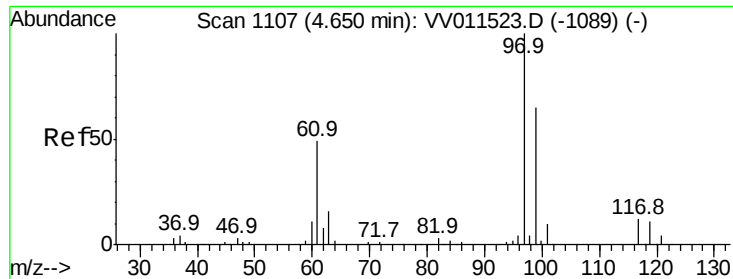
Tot Ion: 63 Resp: 628572
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.5 41.9
 83 13.2 10.1 18.9



#22
 cis-1,2-Dichloroethene
 Concen: 23.076 ug/L
 RT: 3.95 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: VV011532.D
 Acq: 15 Jun 2019 11:47

Tgt Ion: 96 Resp: 326092
 Ion Ratio Lower Upper
 96 100
 61 145.2 102.2 189.8
 68 0.0 0.0 0.0

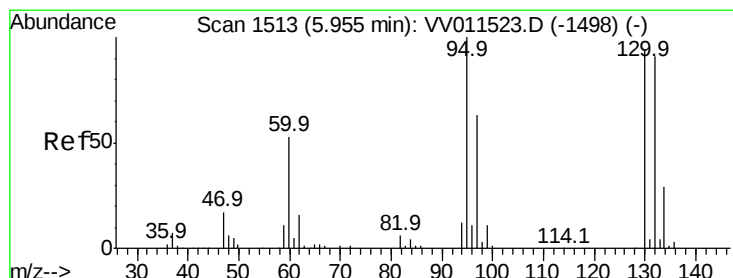
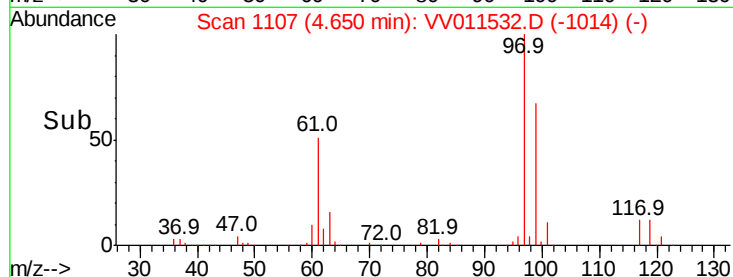
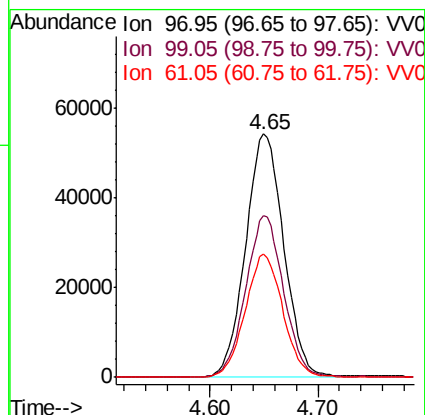
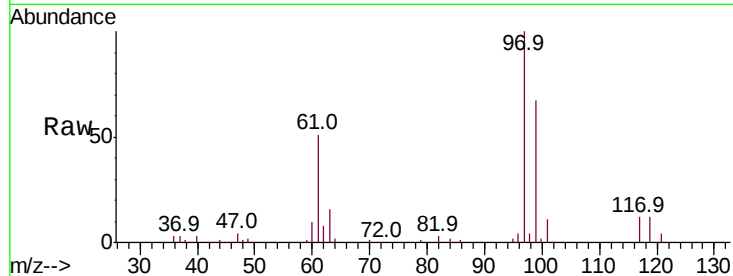




#29
1,1,1-Trichloroethane
Concen: 6.285 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

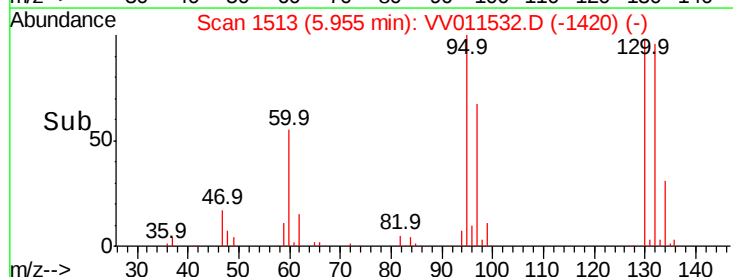
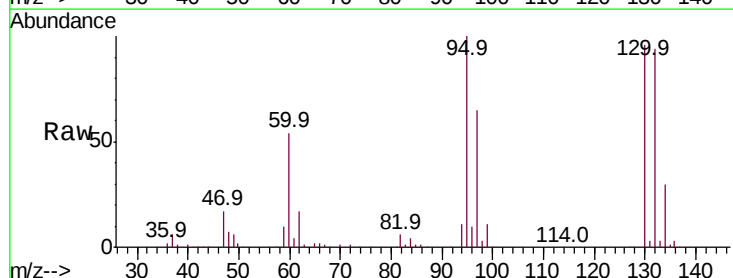
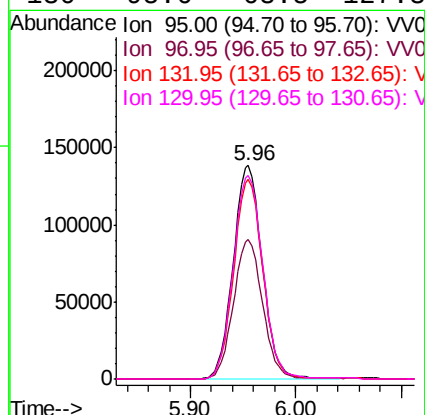
Instrument :
MSVOA_V
ClientSampled :
BFCM1

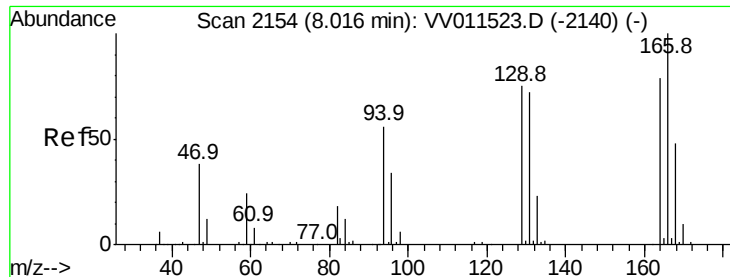
Tot Ion: 97 Resp: 133538
Ion Ratio Lower Upper
97 100
99 65.6 51.6 77.4
61 49.8 40.4 60.6



#34
Trichloroethene
Concen: 18.680 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Tgt Ion: 95 Resp: 265694
Ion Ratio Lower Upper
95 100
97 65.1 44.4 82.4
132 93.8 63.5 117.9
130 95.6 68.5 127.3





#47

Tetrachloroethene

Concen: 3.922 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV011532.D

Acq: 15 Jun 2019 11:47

Instrument :

MSVOA_V

ClientSampleId :

BFCM1

Tot Ion:164 Resp: 39784

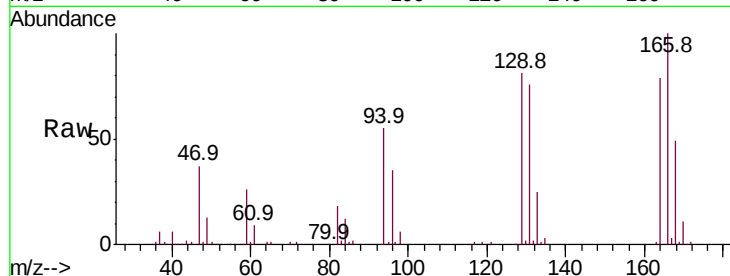
Ion Ratio Lower Upper

164 100

129 103.1 68.8 127.8

131 96.6 63.2 117.4

166 127.1 87.0 161.6

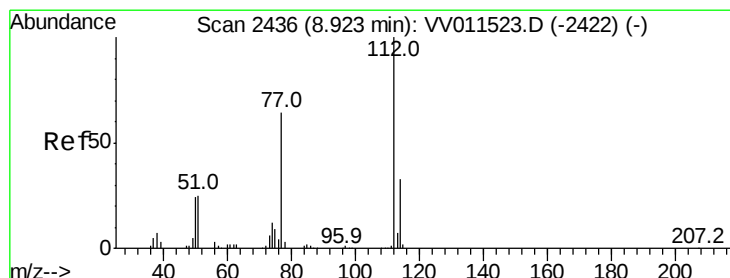
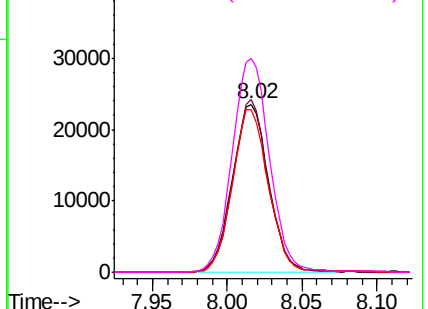
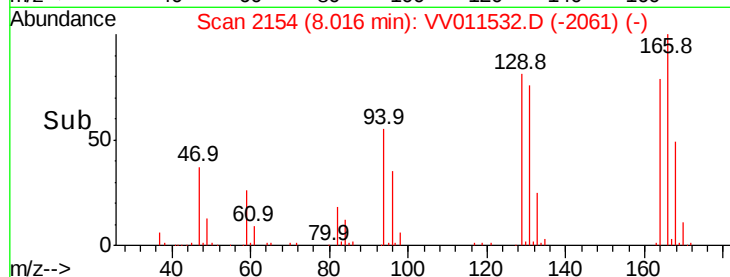


Abundance Ion 163.90 (163.60 to 164.60): V

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



#51

Chlorobenzene

Concen: 0.110 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV011532.D

Acq: 15 Jun 2019 11:47

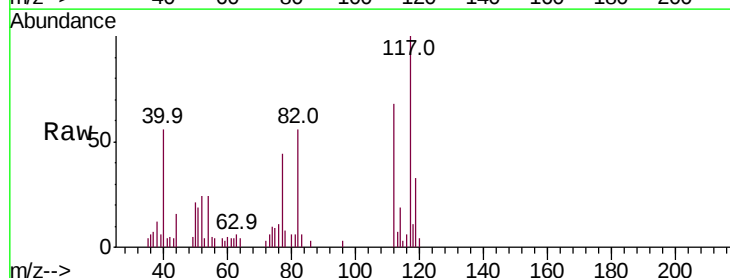
Tgt Ion:112 Resp: 3911

Ion Ratio Lower Upper

112 100

114 27.4 21.9 40.7

77 63.9 49.3 73.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

