

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041620\
 Data File : VV015540.D
 Acq On : 16 Apr 2020 16:35
 Operator : SY/MD
 Sample : L2320-07
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFRR4

Quant Time: Apr 17 02:32:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 17 00:46:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	98036	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	93625	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	45079	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	25918	5.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.80%
7) Chloroethane-d5	1.57	69	23927	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.20%
11) 1,1-Dichloroethene-d2	2.12	63	40616	3.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.80%
20) 2-Butanone-d5	3.95	46	71471	50.04	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.08%
24) Chloroform-d	4.38	84	53656	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.06	65	31779	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.07	84	105952	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.09	67	33169	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.34	98	97121	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	7.64	79	12707	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.12	63	61972	45.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.34%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	22710	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	36219	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

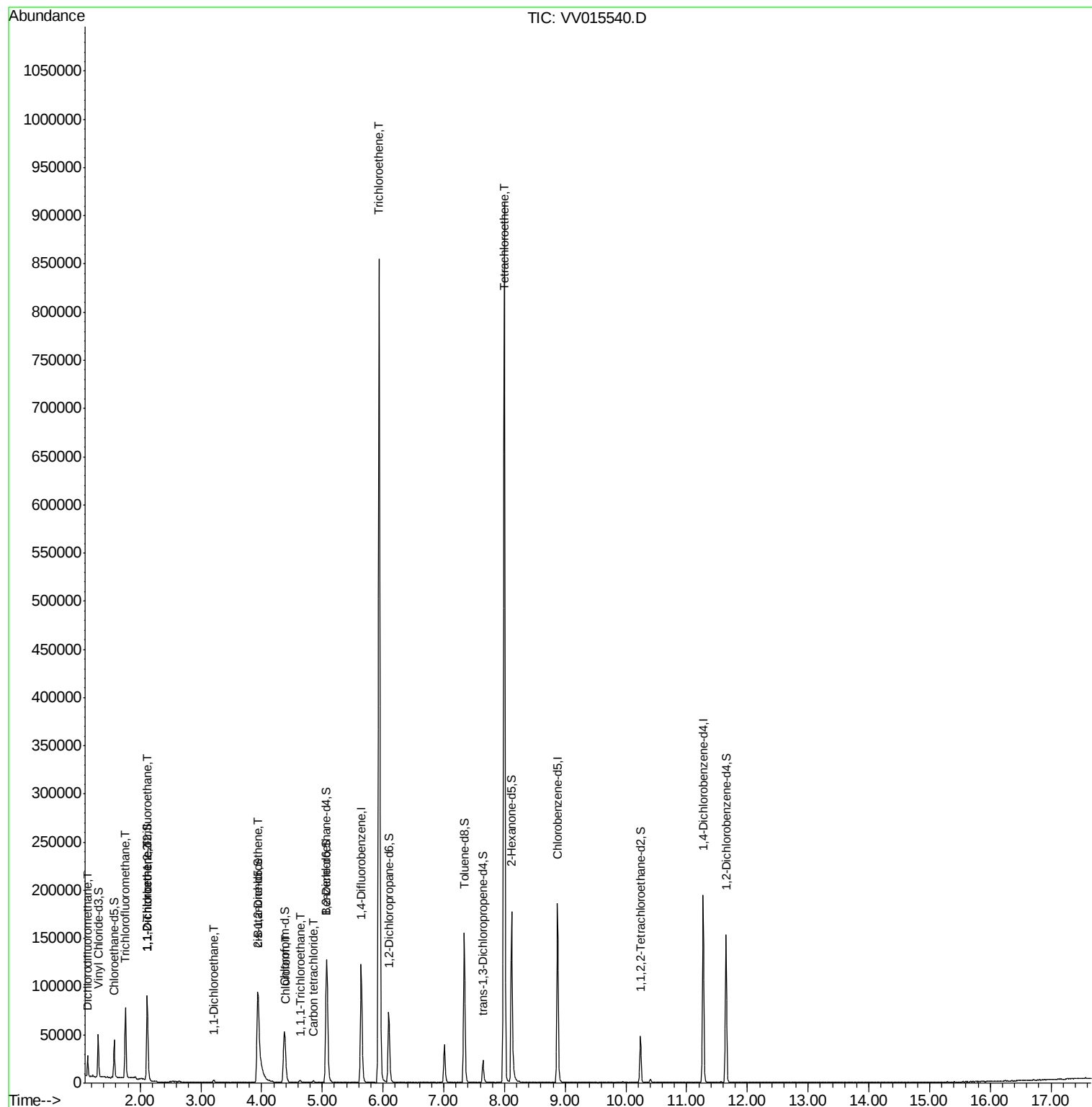
					Ovalue
2) Dichlorodifluoromethane	1.14	85	9742	1.004	ug/L 99
9) Trichlorofluoromethane	1.76	101	41435	3.640	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2374	0.369	ug/L 91
12) 1,1-Dichloroethene	2.13	96	6497	1.056	ug/L # 1
19) 1,1-Dichloroethane	3.21	63	2729	0.209	ug/L 92
22) cis-1,2-Dichloroethene	3.94	96	37917	5.266	ug/L 100
25) Chloroform	4.40	83	4280	0.320	ug/L 100
29) 1,1,1-Trichloroethane	4.64	97	1810	0.149	ug/L 97
31) Carbon tetrachloride	4.86	117	1429	0.135	ug/L 100
34) Trichloroethene	5.94	95	289640	38.402	ug/L 100
47) Tetrachloroethene	8.00	164	180575	32.315	ug/L 98

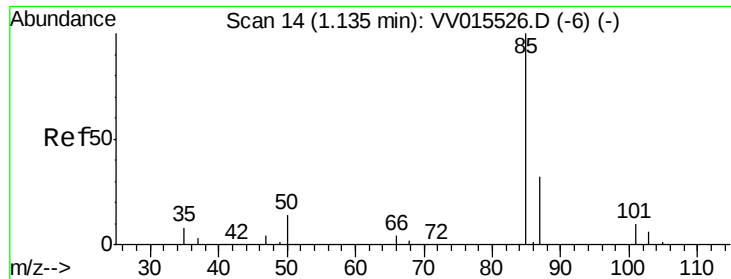
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 17 00:46:36 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.004 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015540.D

Acq: 16 Apr 2020 16:35

Instrument :

MSVOA_V

ClientSampled :

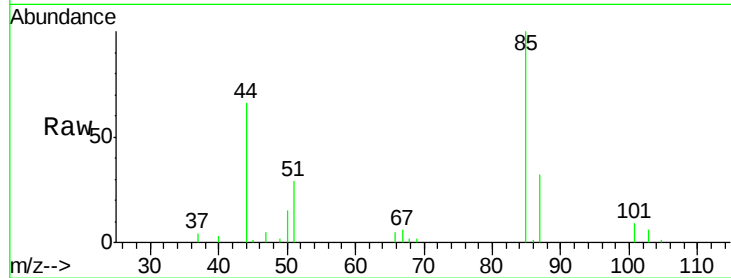
BFRR4

Tot Ion: 85 Resp: 9742

Ion Ratio Lower Upper

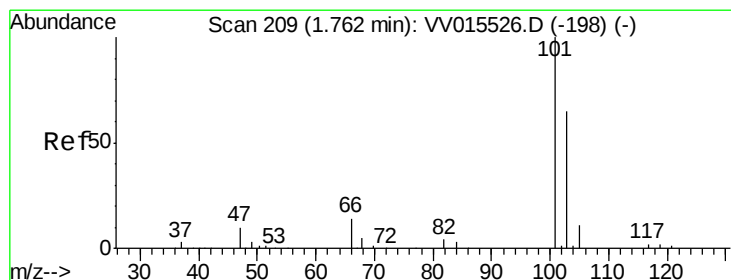
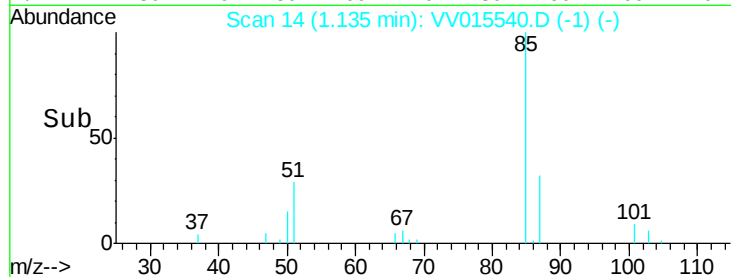
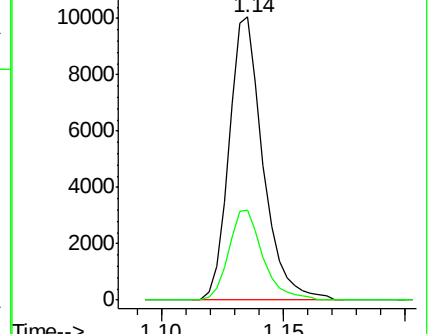
85 100

87 32.2 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#9

Trichlorofluoromethane

Concen: 3.640 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015540.D

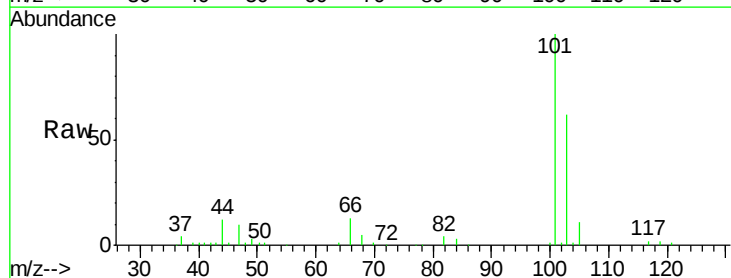
Acq: 16 Apr 2020 16:35

Tgt Ion: 101 Resp: 41435

Ion Ratio Lower Upper

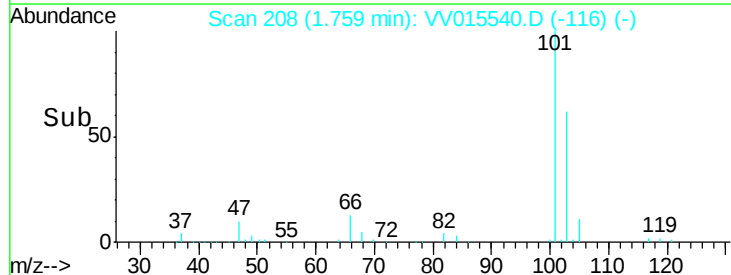
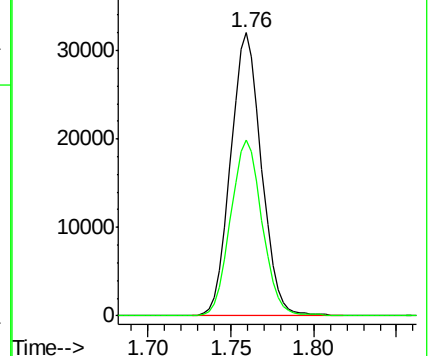
101 100

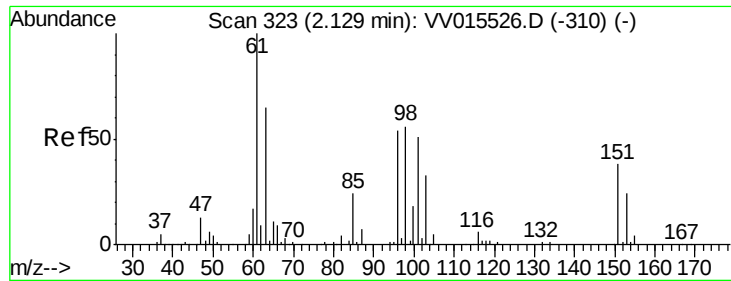
103 63.4 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.369 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015540.D

Acq: 16 Apr 2020 16:35

Instrument :

MSVOA_V

ClientSampled :

BFRR4

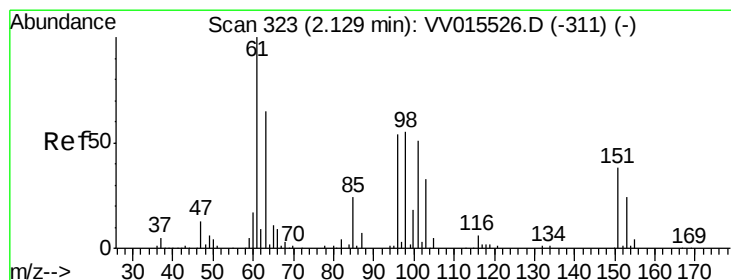
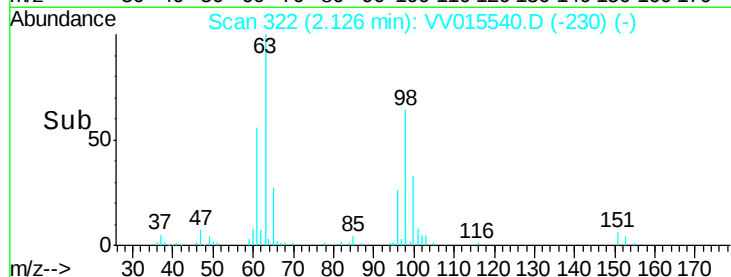
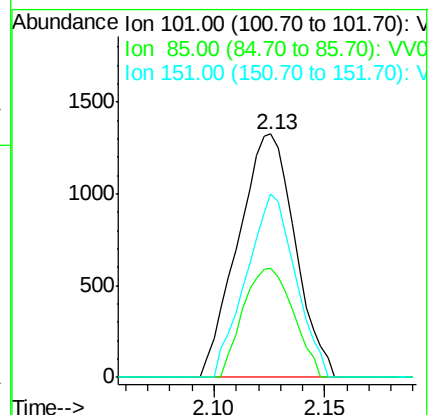
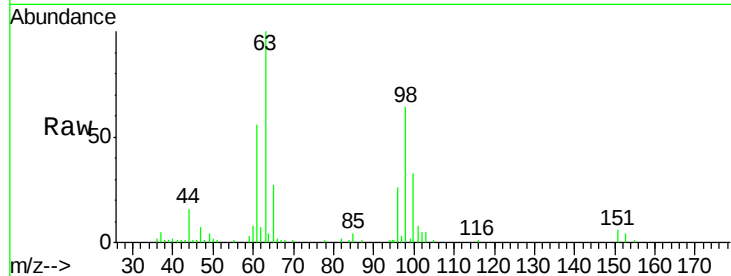
Tot Ion:101 Resp: 2374

Ion Ratio Lower Upper

101 100

85 39.5 36.3 54.5

151 64.9 58.2 87.4



#12

1,1-Dichloroethene

Concen: 1.056 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015540.D

Acq: 16 Apr 2020 16:35

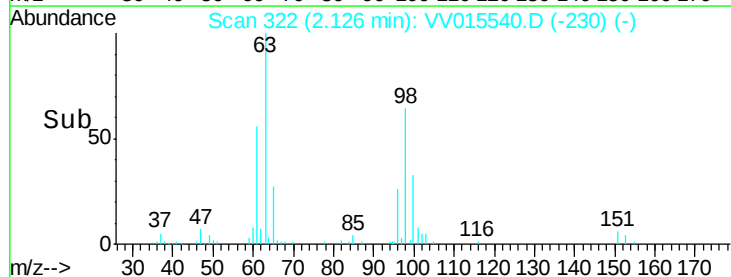
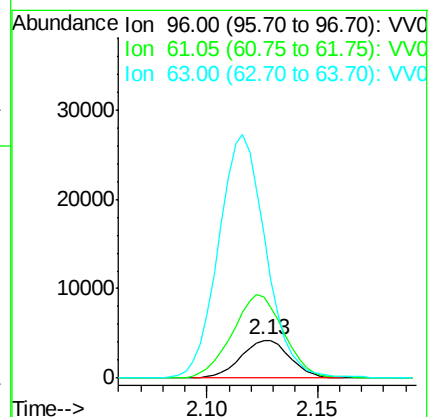
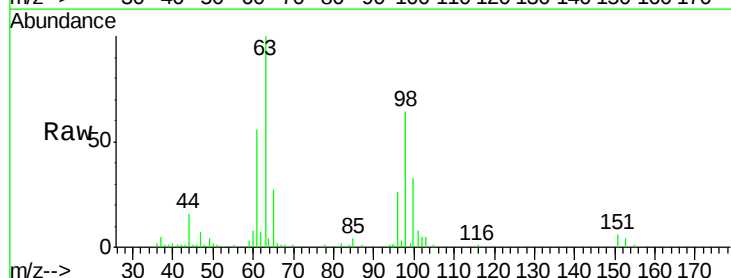
Tgt Ion: 96 Resp: 6497

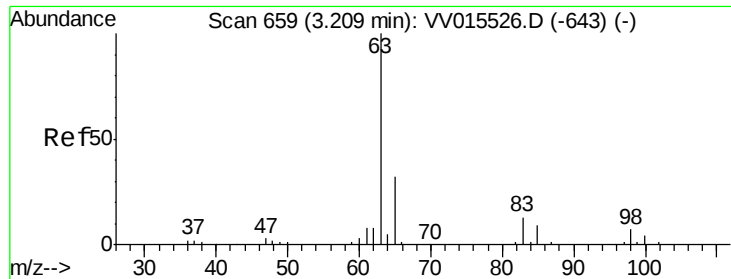
Ion Ratio Lower Upper

96 100

61 213.1 127.7 237.1

63 378.1 75.1 139.5#

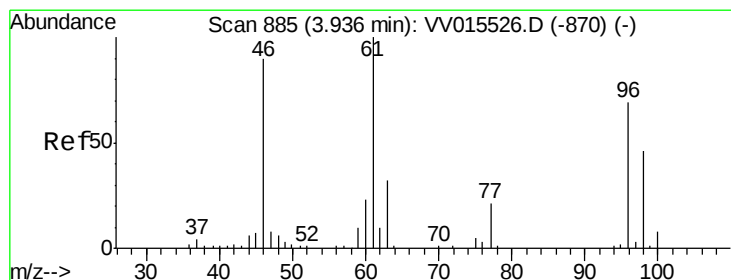
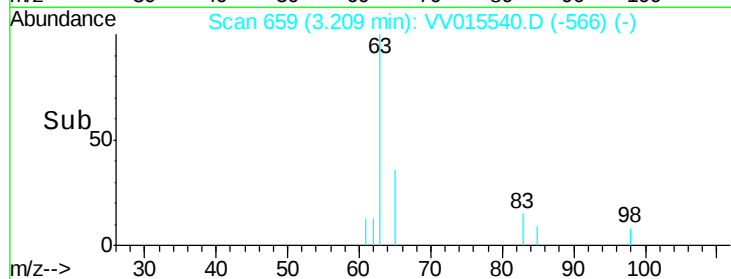
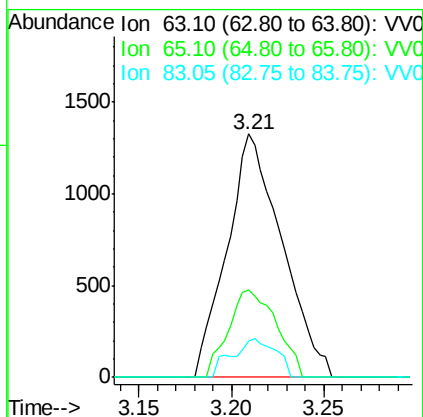
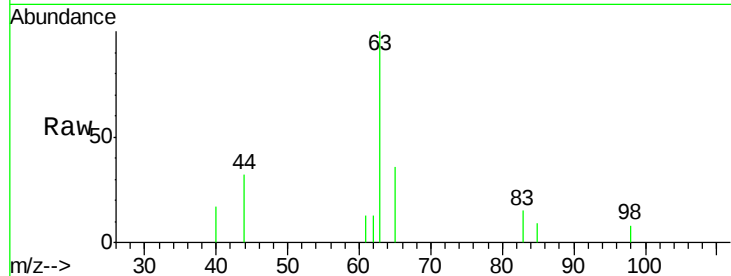




#19
 1,1-Dichloroethane
 Concen: 0.209 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV015540.D
 Acq: 16 Apr 2020 16:35

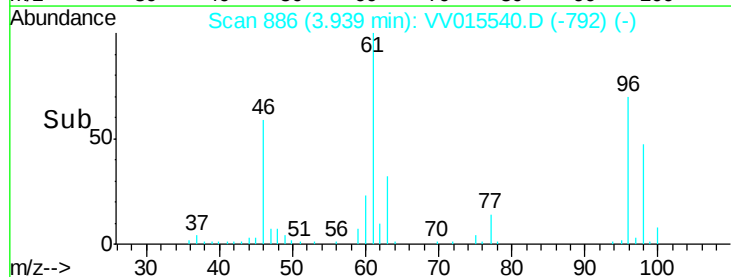
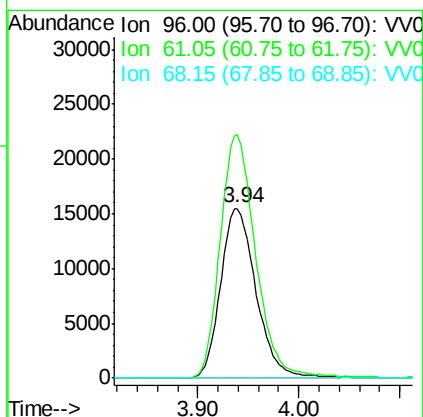
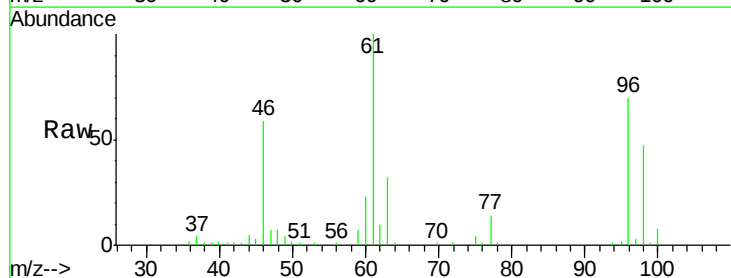
Instrument :
 MSVOA_V
 ClientSampleId :
 BFRR4

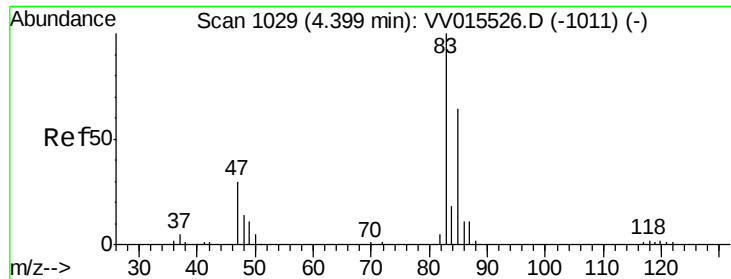
Tot Ion: 63 Resp: 2729
 Ion Ratio Lower Upper
 63 100
 65 35.9 21.3 39.6
 83 14.6 9.4 17.6



#22
 cis-1,2-Dichloroethene
 Concen: 5.266 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV015540.D
 Acq: 16 Apr 2020 16:35

Tgt Ion: 96 Resp: 37917
 Ion Ratio Lower Upper
 96 100
 61 143.3 100.0 185.8
 68 0.0 0.0 0.0

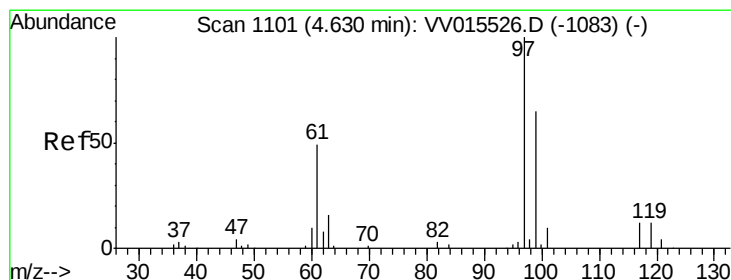
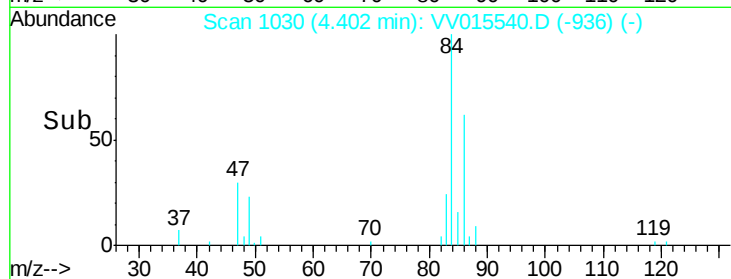
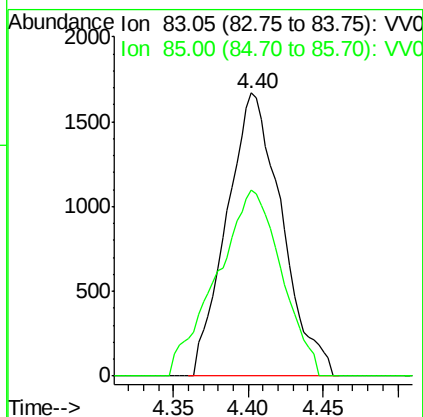
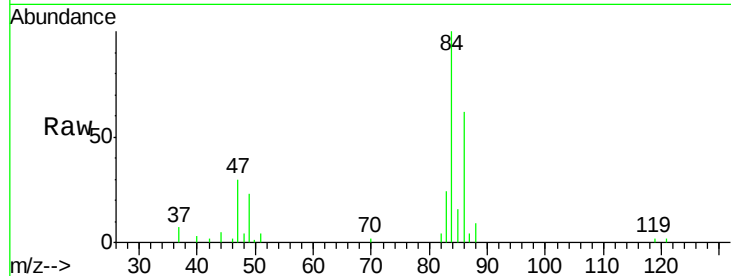




#25
Chloroform
Concen: 0.320 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015540.D
Acq: 16 Apr 2020 16:35

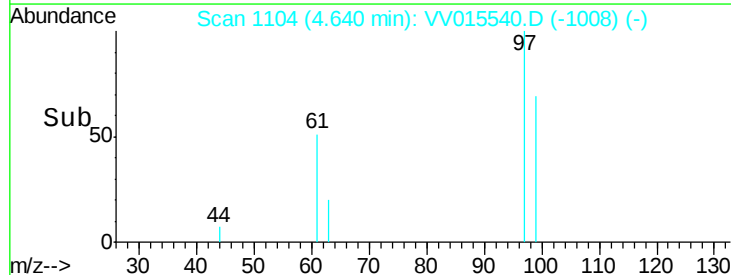
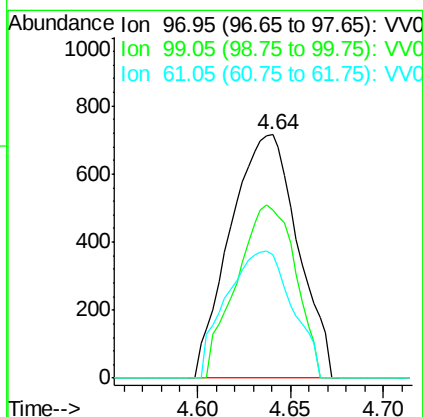
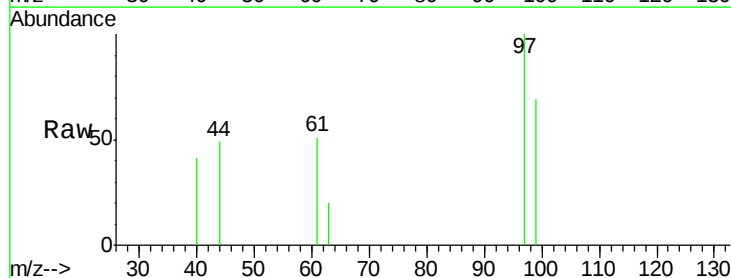
Instrument :
MSVOA_V
ClientSampled :
BFRR4

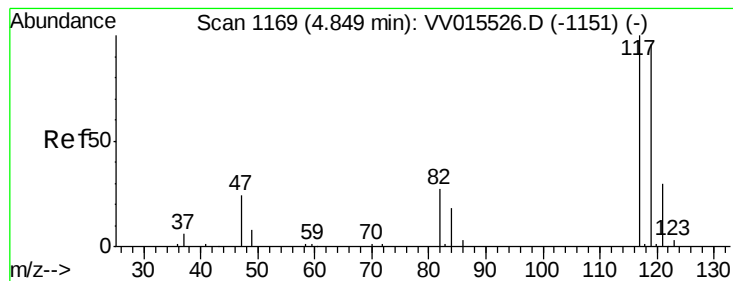
Tot Ion: 83 Resp: 4280
Ion Ratio Lower Upper
83 100
85 65.9 45.9 85.3



#29
1,1,1-Trichloroethane
Concen: 0.149 ug/L
RT: 4.64 min Scan# 1104
Delta R.T. 0.01 min
Lab File: VV015540.D
Acq: 16 Apr 2020 16:35

Tgt Ion: 97 Resp: 1810
Ion Ratio Lower Upper
97 100
99 61.9 51.6 77.4
61 51.0 39.0 58.6





#31

Carbon tetrachloride

Concen: 0.135 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VV015540.D

Acq: 16 Apr 2020 16:35

Instrument :

MSVOA_V

ClientSampleId :

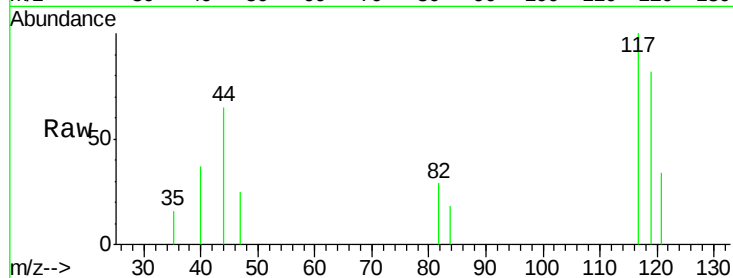
BFRR4

Tot Ion:117 Resp: 1429

Ion Ratio Lower Upper

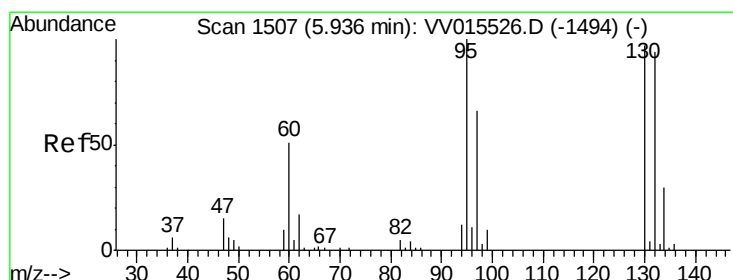
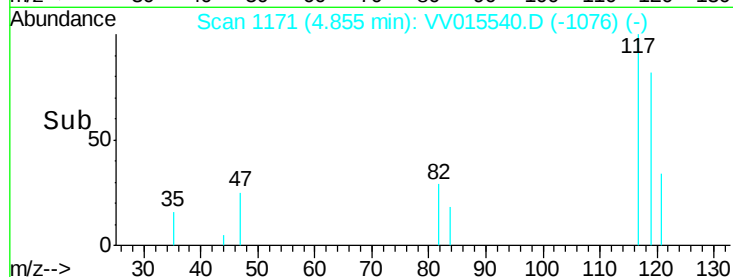
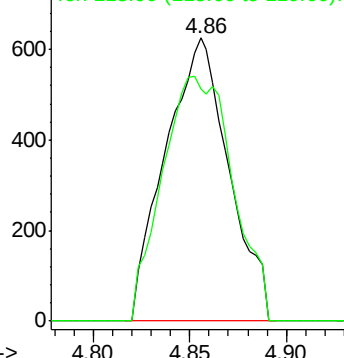
117 100

119 96.1 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 38.402 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV015540.D

Acq: 16 Apr 2020 16:35

Tgt Ion: 95 Resp: 289640

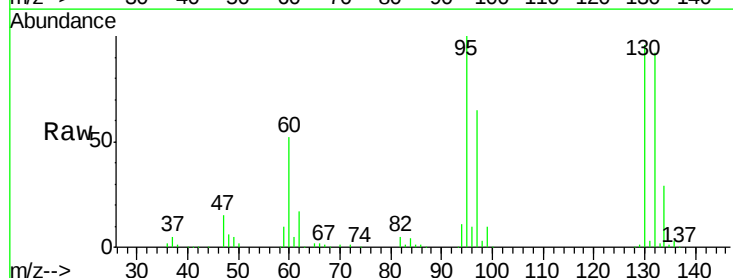
Ion Ratio Lower Upper

95 100

97 64.8 45.4 84.4

132 92.4 64.8 120.4

130 96.3 67.4 125.2

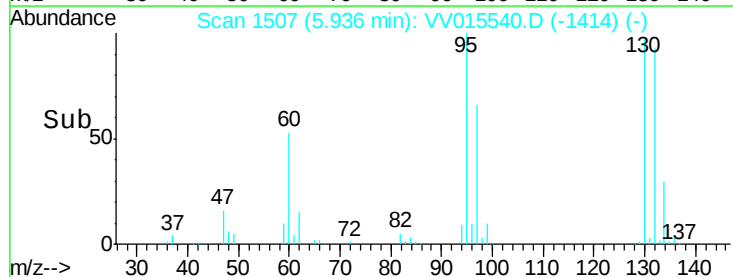
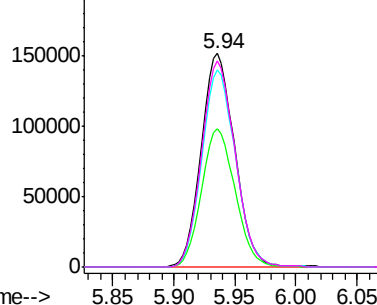


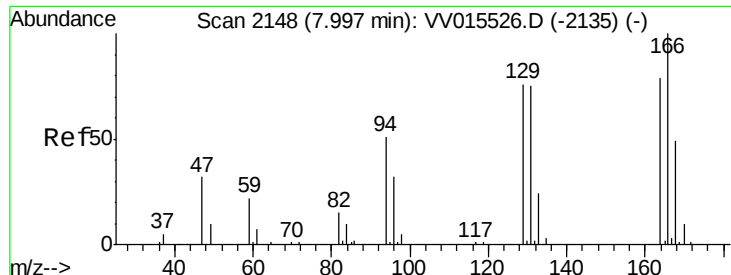
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0





#47

Tetrachloroethene

Concen: 32.315 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015540.D

Acq: 16 Apr 2020 16:35

Instrument :
MSVOA_V
ClientSampleId :
BFRR4

Tot Ion:164 Resp: 180575

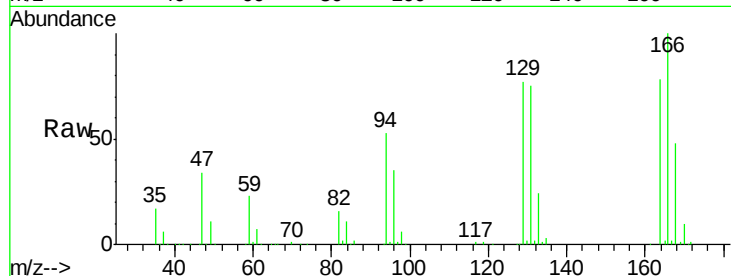
Ion Ratio Lower Upper

164 100

129 98.5 70.6 131.0

131 95.1 68.3 126.8

166 127.5 88.3 163.9



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

