

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041620\
 Data File : VV015539.D
 Acq On : 16 Apr 2020 16:11
 Operator : SY/MD
 Sample : L2320-06
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFRR3

Quant Time: Apr 17 02:20:24 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	103581	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	97135	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	47570	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	26066	4.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.00%
7) Chloroethane-d5	1.57	69	24294	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.20%
11) 1,1-Dichloroethene-d2	2.12	63	37696	3.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.60%
20) 2-Butanone-d5	3.96	46	77849	51.59	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.18%
24) Chloroform-d	4.38	84	55732	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.06	65	32049	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.07	84	108088	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.10	67	34209	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.34	98	97445	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	7.64	79	13047	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.11	63	63033	44.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.56%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	23580	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	35774	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

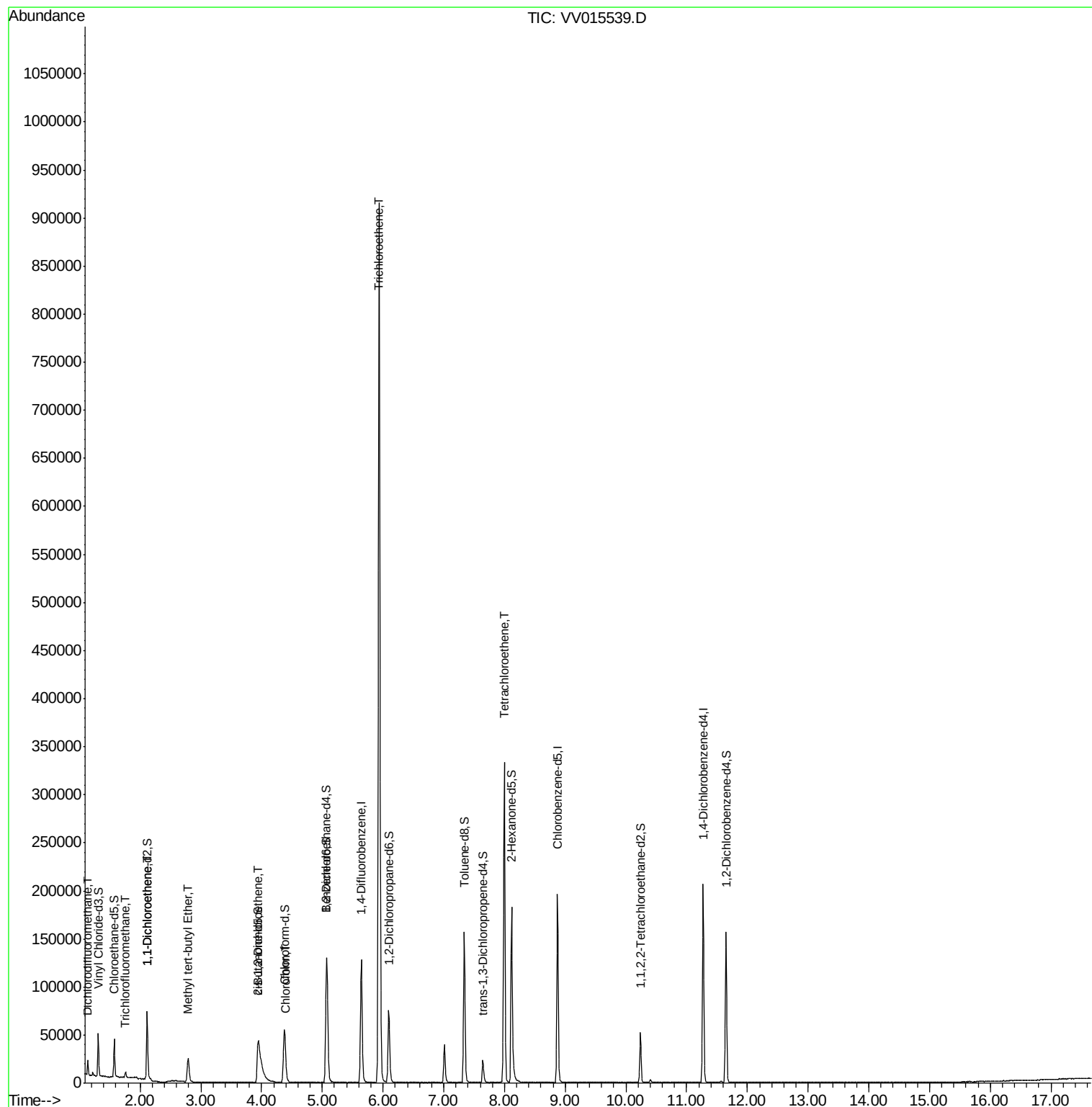
					Ovalue
2) Dichlorodifluoromethane	1.14	85	5181	0.505 ug/L	99
9) Trichlorofluoromethane	1.76	101	3046	0.253 ug/L	98
12) 1,1-Dichloroethene	2.13	96	702	0.108 ug/L #	1
17) Methyl tert-butyl Ether	2.79	73	25168	1.448 ug/L	97
22) cis-1,2-Dichloroethene	3.94	96	10173	1.337 ug/L	96
25) Chloroform	4.41	83	3907	0.276 ug/L	77
34) Trichloroethene	5.94	95	311415	39.797 ug/L	100
47) Tetrachloroethene	8.00	164	67491	11.641 ug/L	99

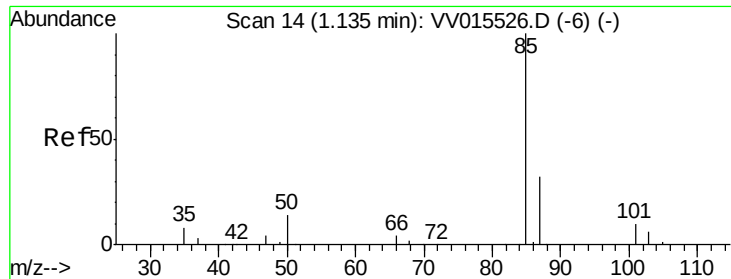
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.505 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015539.D

Acq: 16 Apr 2020 16:11

Instrument :

MSVOA_V

ClientSampleId :

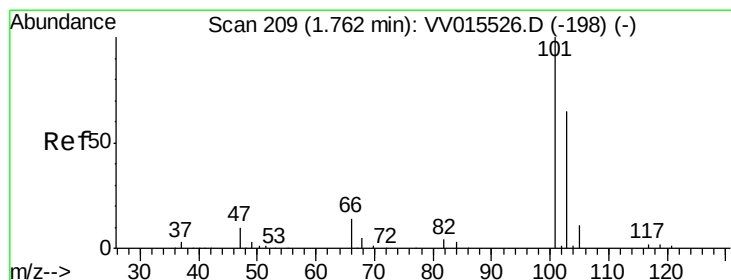
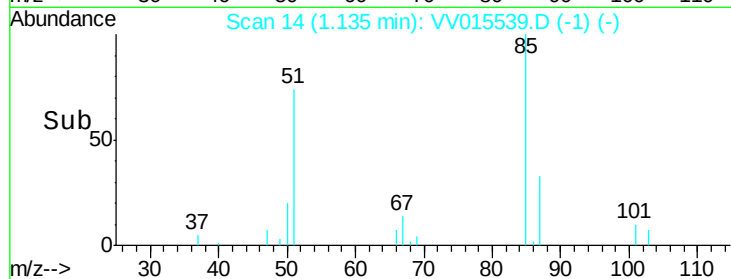
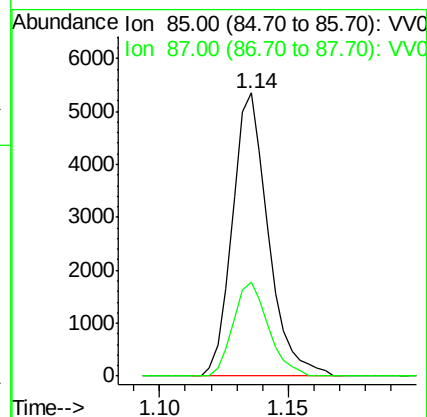
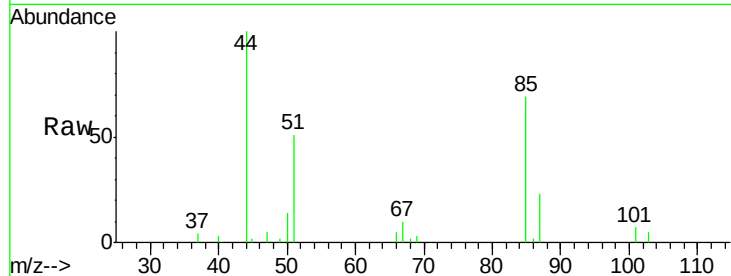
BFRR3

Tot Ion: 85 Resp: 5181

Ion Ratio Lower Upper

85 100

87 32.4 25.3 37.9



#9

Trichlorofluoromethane

Concen: 0.253 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015539.D

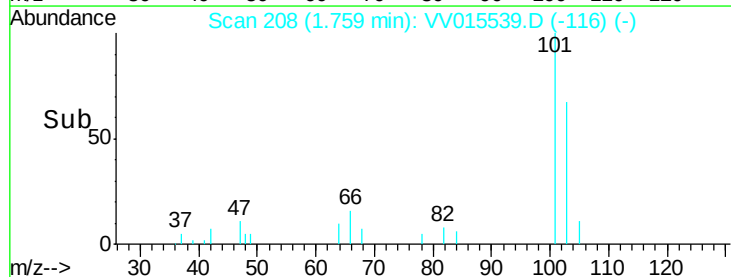
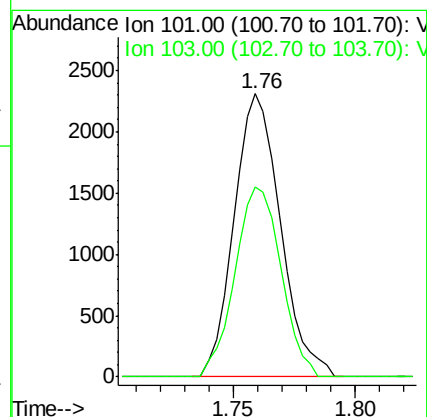
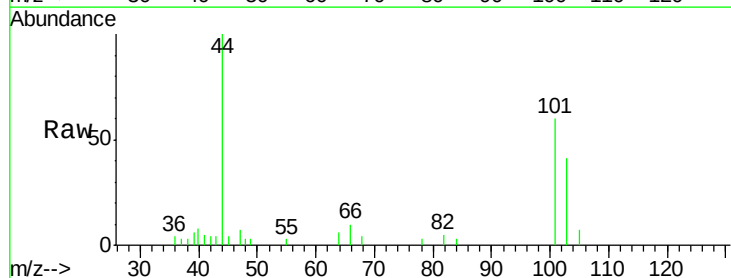
Acq: 16 Apr 2020 16:11

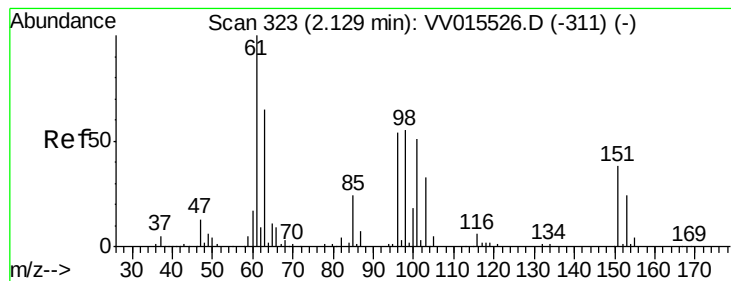
Tgt Ion: 101 Resp: 3046

Ion Ratio Lower Upper

101 100

103 66.5 51.9 77.9





#12

1,1-Dichloroethene

Concen: 0.108 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015539.D

Acq: 16 Apr 2020 16:11

Instrument :

MSVOA_V

ClientSampleId :

BFRR3

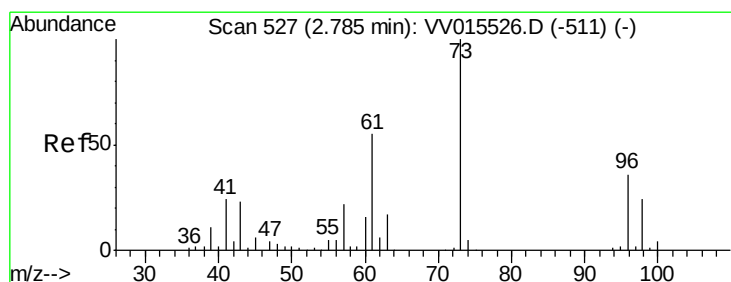
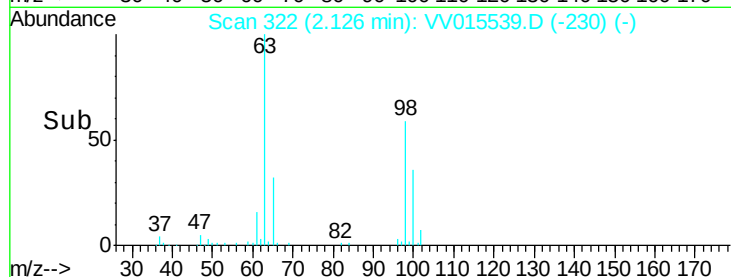
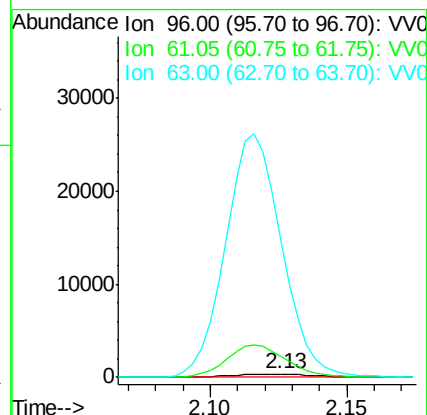
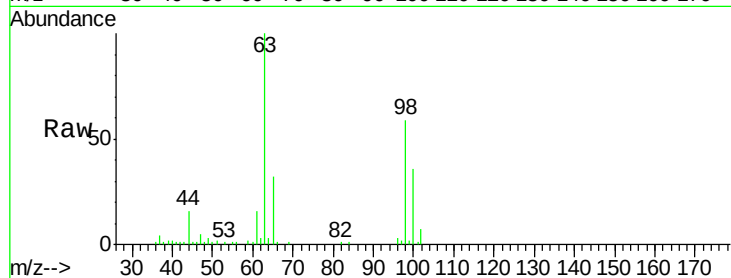
Tot Ion: 96 Resp: 702

Ion Ratio Lower Upper

96 100

61 609.6 127.7 237.1#

63 3919.9 75.1 139.5#



#17

Methyl tert-butyl Ether

Concen: 1.448 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.01 min

Lab File: VV015539.D

Acq: 16 Apr 2020 16:11

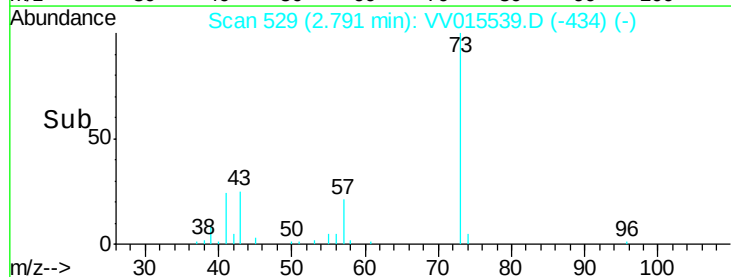
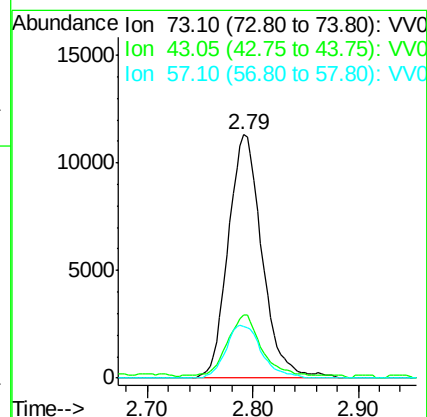
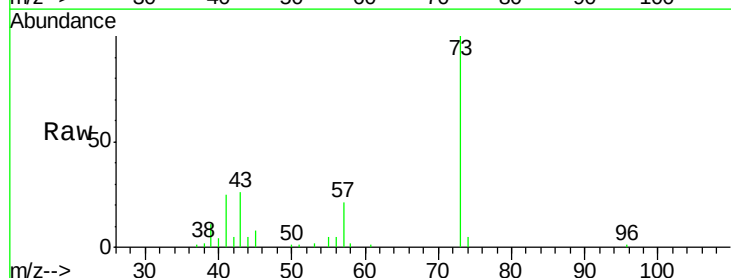
Tgt Ion: 73 Resp: 25168

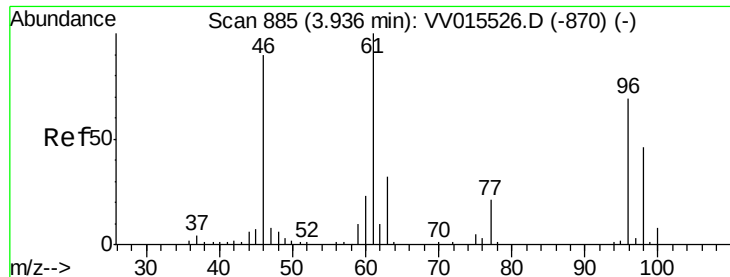
Ion Ratio Lower Upper

73 100

43 25.8 18.3 27.5

57 22.7 18.4 27.6



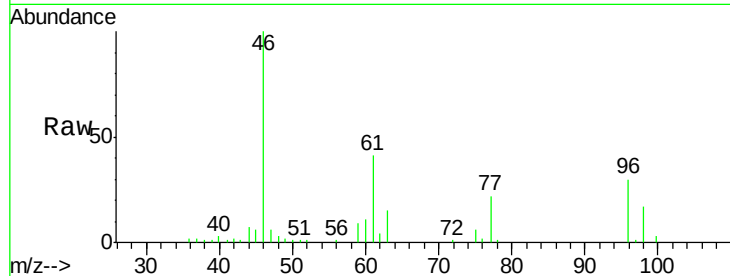


#22

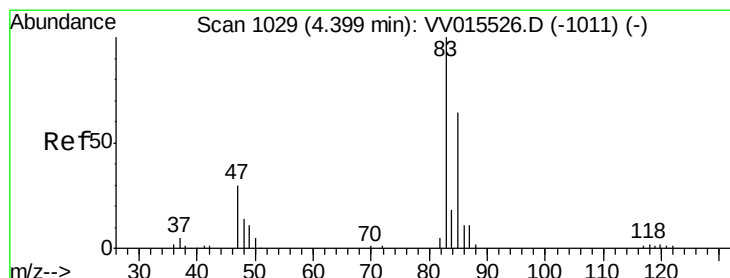
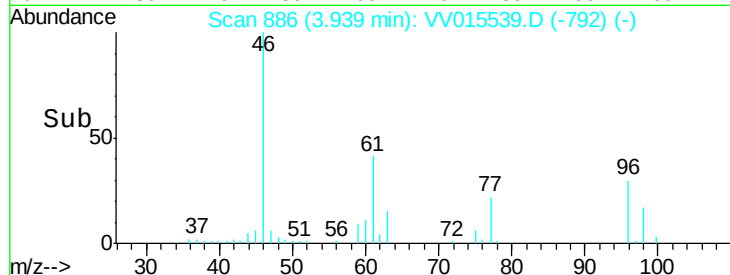
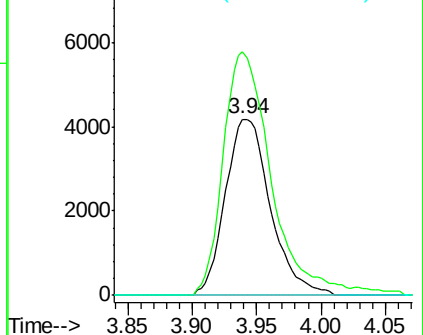
cis-1,2-Dichloroethene
 Concen: 1.337 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV015539.D
 Acq: 16 Apr 2020 16:11

Instrument :
 MSVOA_V
 ClientSampleId :
 BFRR3

Tot Ion: 96 Resp: 10173
 Ion Ratio Lower Upper
 96 100
 61 138.5 100.0 185.8
 68 0.0 0.0 0.0



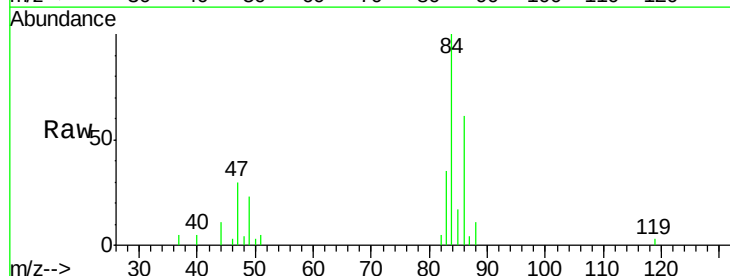
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



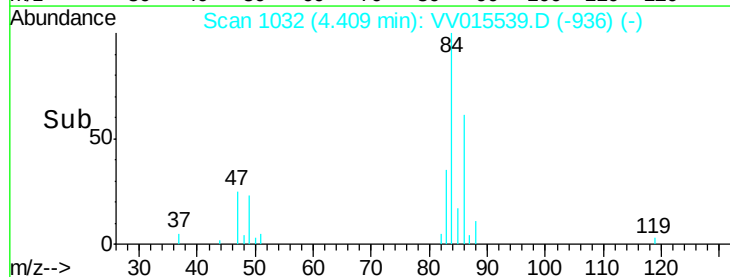
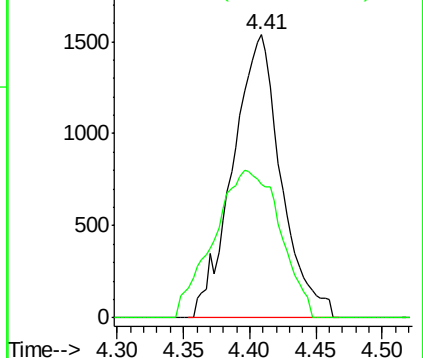
#25

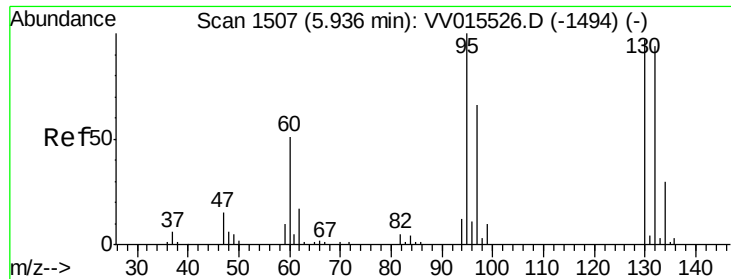
Chloroform
 Concen: 0.276 ug/L
 RT: 4.41 min Scan# 1032
 Delta R.T. 0.01 min
 Lab File: VV015539.D
 Acq: 16 Apr 2020 16:11

Tgt Ion: 83 Resp: 3907
 Ion Ratio Lower Upper
 83 100
 85 47.3 45.9 85.3



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 39.797 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV015539.D

Acq: 16 Apr 2020 16:11

Instrument :

MSVOA_V

ClientSampleId :

BFRR3

Tot Ion: 95 Resp: 311415

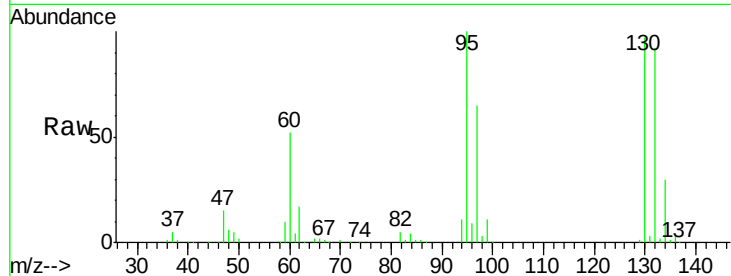
Ion Ratio Lower Upper

95 100

97 64.7 45.4 84.4

132 92.3 64.8 120.4

130 97.0 67.4 125.2

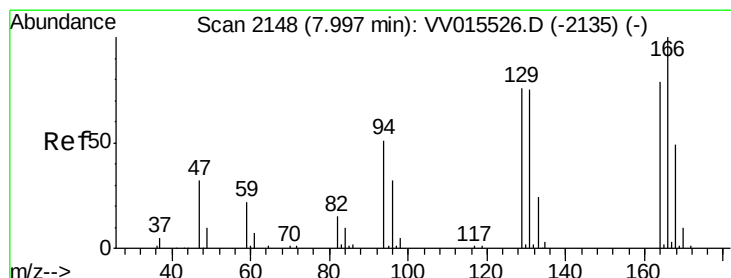
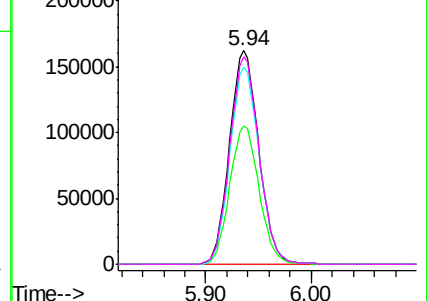
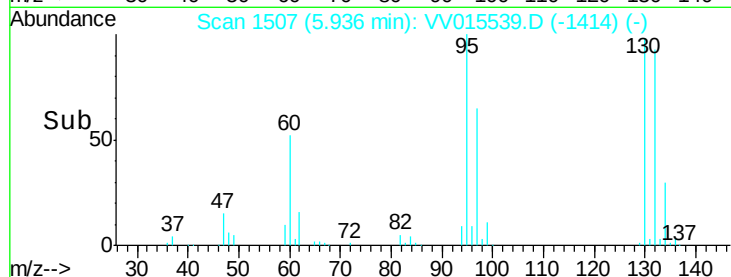


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#47

Tetrachloroethene

Concen: 11.641 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015539.D

Acq: 16 Apr 2020 16:11

Tgt Ion: 164 Resp: 67491

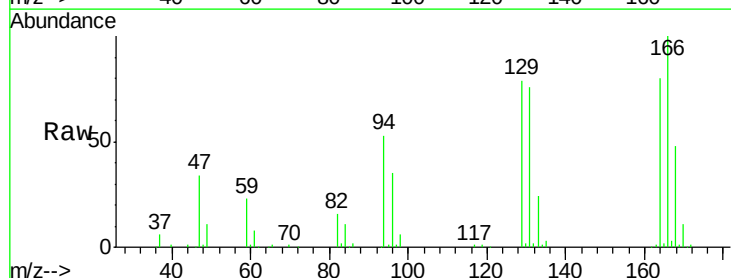
Ion Ratio Lower Upper

164 100

129 99.4 70.6 131.0

131 95.2 68.3 126.8

166 125.7 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

