

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041620\
 Data File : VV015541.D
 Acq On : 16 Apr 2020 16:58
 Operator : SY/MD
 Sample : L2320-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFRR5

Quant Time: Apr 17 02:36:18 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	98025	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	94263	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	45067	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	25179	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.57	69	24260	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	2.12	63	52638	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.20%
20) 2-Butanone-d5	3.95	46	71206	49.86	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.72%
24) Chloroform-d	4.37	84	53830	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.06	65	32032	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
32) Benzene-d6	5.07	84	104267	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.10	67	33208	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.34	98	95129	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.64	79	13079	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.12	63	63559	46.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.06%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	23094	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	36093	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

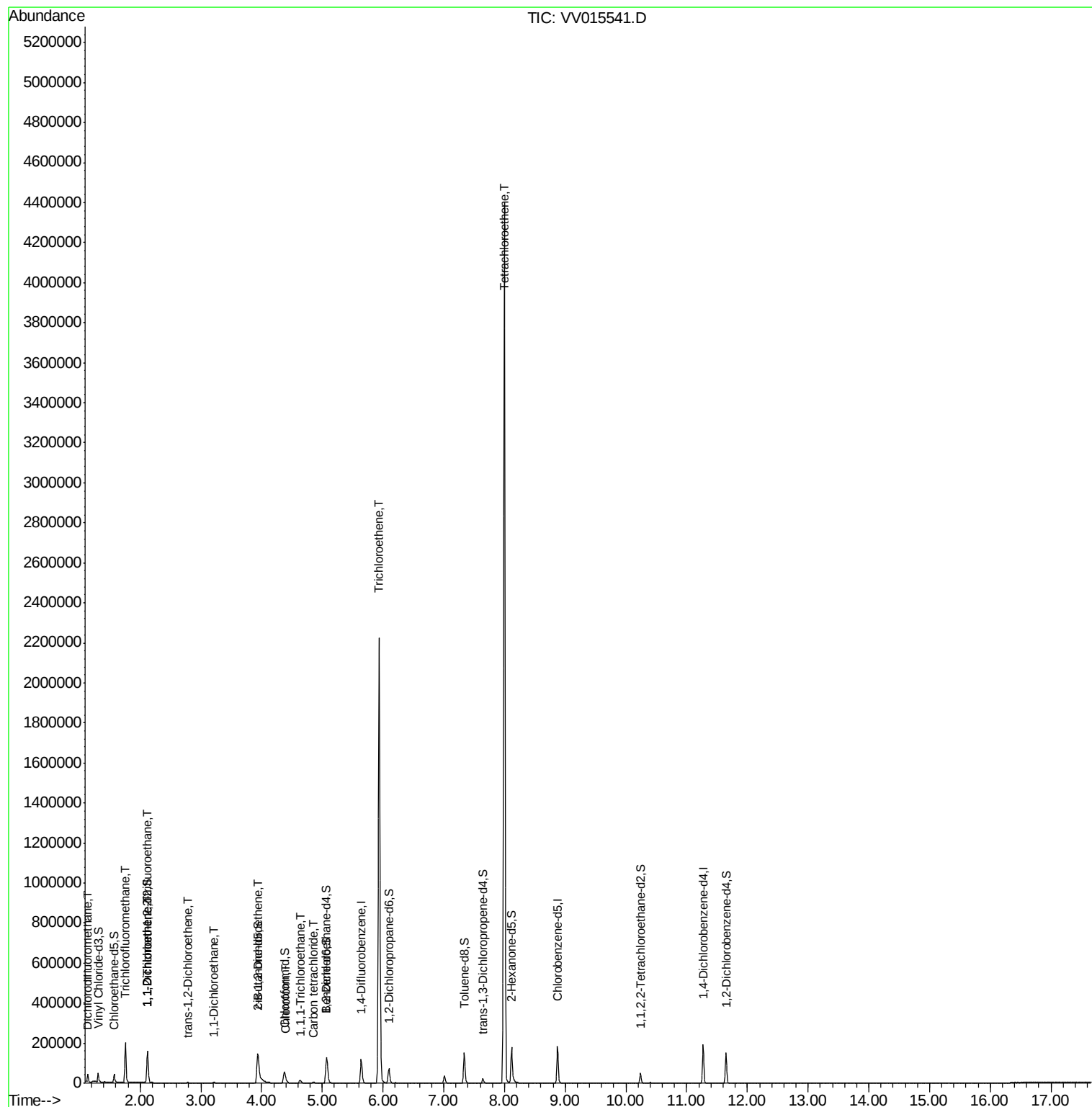
					Ovalue
2) Dichlorodifluoromethane	1.14	85	13562	1.398	ug/L 100
9) Trichlorofluoromethane	1.76	101	112168	9.854	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	5123	0.797	ug/L 97
12) 1,1-Dichloroethene	2.13	96	28938	4.703	ug/L 97
18) trans-1,2-Dichloroethene	2.78	96	797	0.115	ug/L 87
19) 1,1-Dichloroethane	3.21	63	5981	0.458	ug/L 94
22) cis-1,2-Dichloroethene	3.94	96	68049	9.452	ug/L 99
25) Chloroform	4.41	83	6196	0.463	ug/L 98
29) 1,1,1-Trichloroethane	4.64	97	10465	0.856	ug/L 99
31) Carbon tetrachloride	4.85	117	3562	0.335	ug/L 99
34) Trichloroethene	5.94	95	760354	100.130	ug/L 99
47) Tetrachloroethene	8.00	164	883150	156.974	ug/L 99

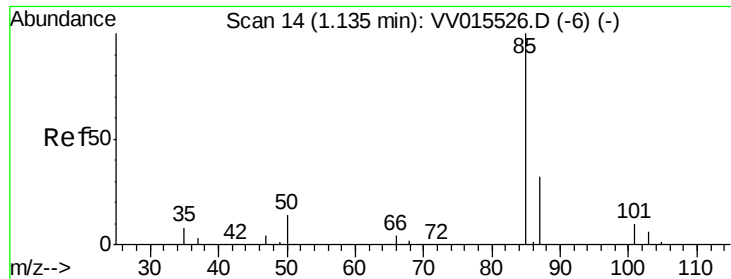
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041620\
Data File : VV015541.D
Acq On : 16 Apr 2020 16:58
Operator : SY/MD
Sample : L2320-08
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFRR5

Quant Time: Apr 17 02:36:18 2020
Quant Method : Z:\V0ASRV\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





#2

Dichlorodifluoromethane

Concen: 1.398 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015541.D

Acq: 16 Apr 2020 16:58

Instrument :

MSVOA_V

ClientSampleId :

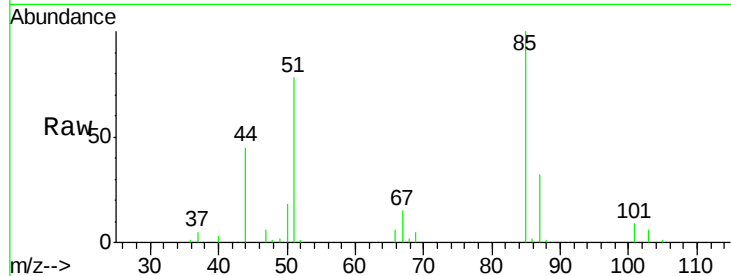
BFRR5

Tot Ion: 85 Resp: 13562

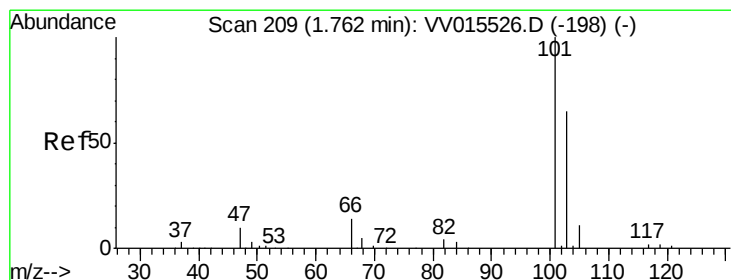
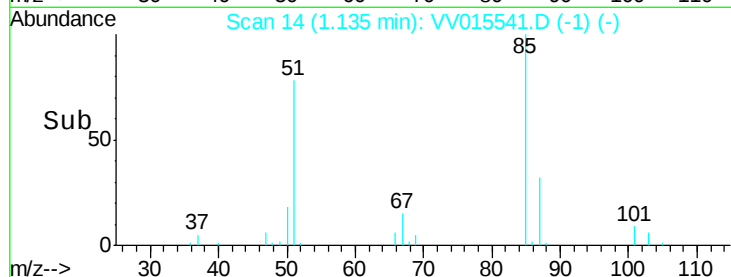
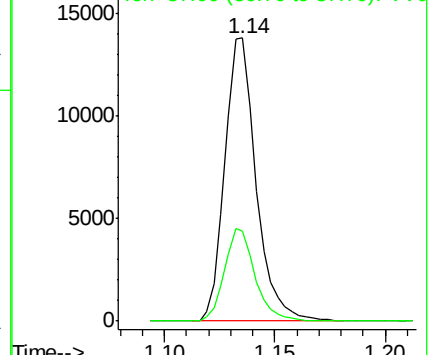
Ion Ratio Lower Upper

85 100

87 31.6 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV015541.D (-1) (-)



#9

Trichlorofluoromethane

Concen: 9.854 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015541.D

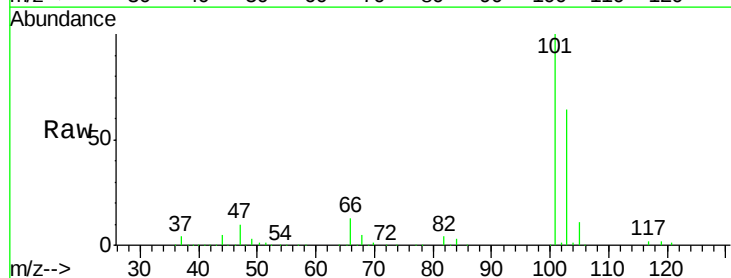
Acq: 16 Apr 2020 16:58

Tgt Ion: 101 Resp: 112168

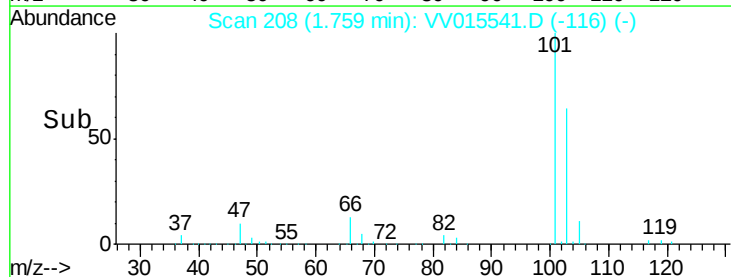
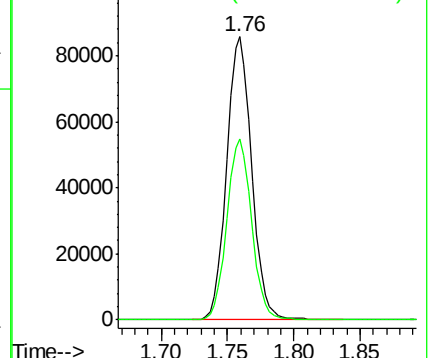
Ion Ratio Lower Upper

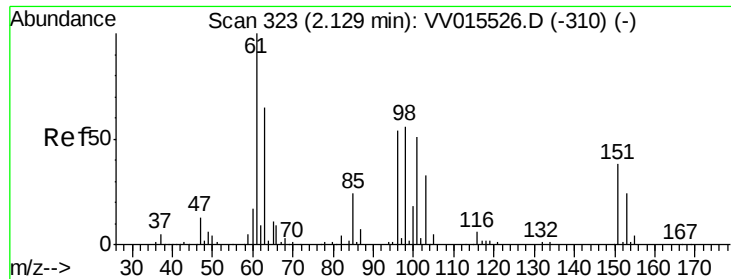
101 100

103 63.5 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV015541.D (-116) (-)





#10

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

Concen: 0.797 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV015541.D

Acq: 16 Apr 2020 16:58

Instrument :

MSVOA_V

ClientSampleId :

BFRR5

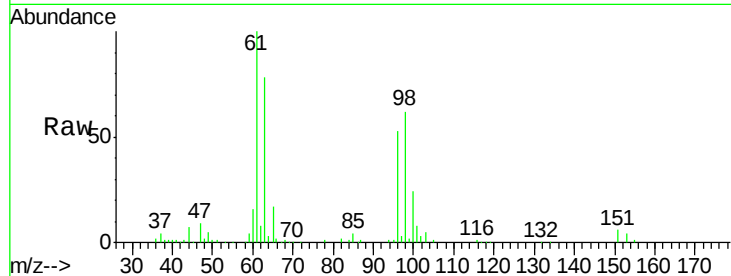
Tot Ion:101 Resp: 5123

Ion Ratio Lower Upper

101 100

85 43.4 36.3 54.5

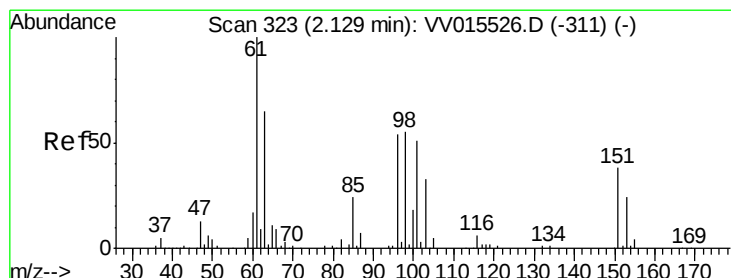
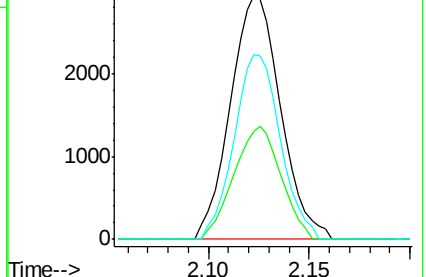
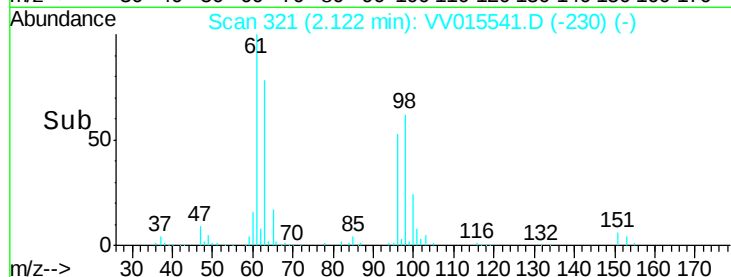
151 69.9 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): VV015541.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV015541.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV015541.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 4.703 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015541.D

Acq: 16 Apr 2020 16:58

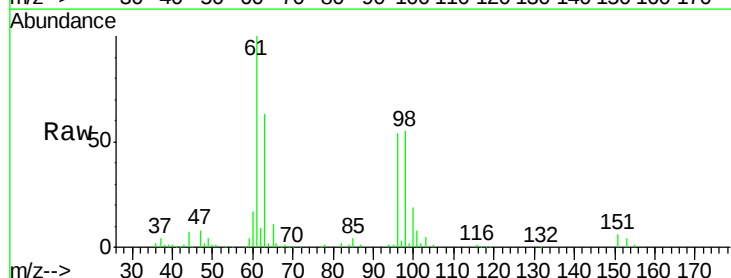
Tgt Ion: 96 Resp: 28938

Ion Ratio Lower Upper

96 100

61 183.7 127.7 237.1

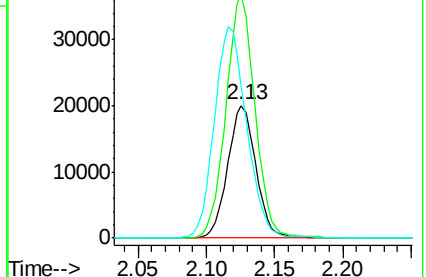
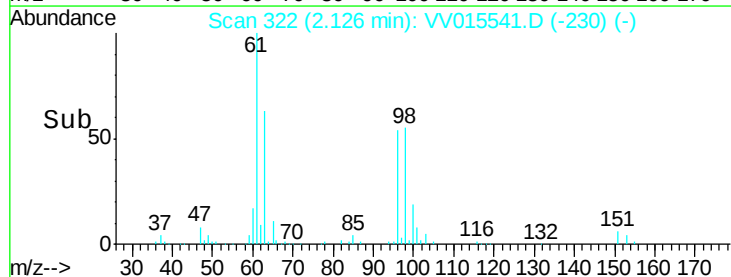
63 115.2 75.1 139.5

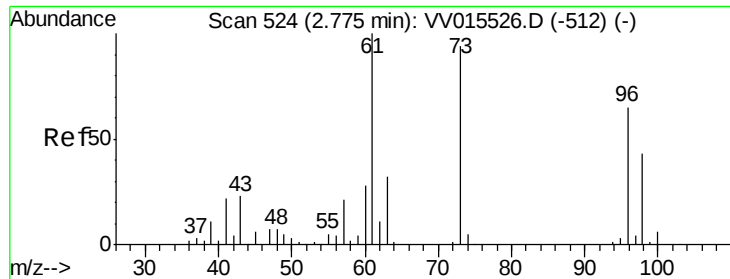


Abundance Ion 96.00 (95.70 to 96.70): VV015541.D (-230) (-)

Ion 61.05 (60.75 to 61.75): VV015541.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV015541.D (-230) (-)

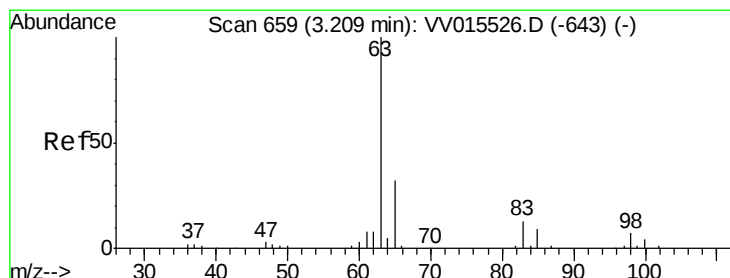
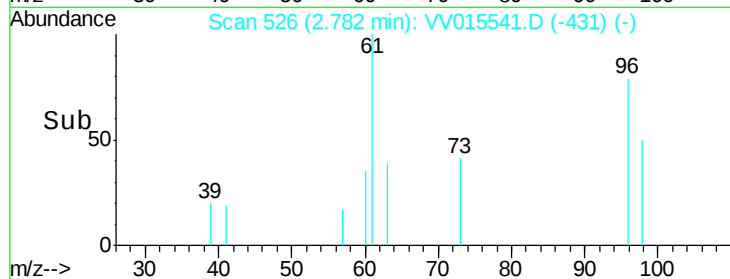
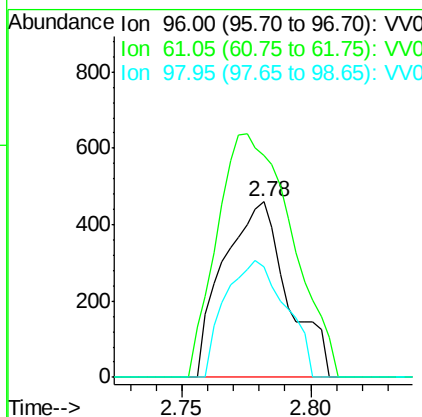
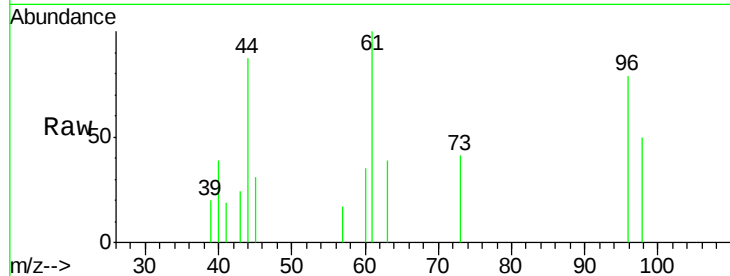




#18
trans-1,2-Dichloroethene
Concen: 0.115 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.01 min
Lab File: VV015541.D
Acq: 16 Apr 2020 16:58

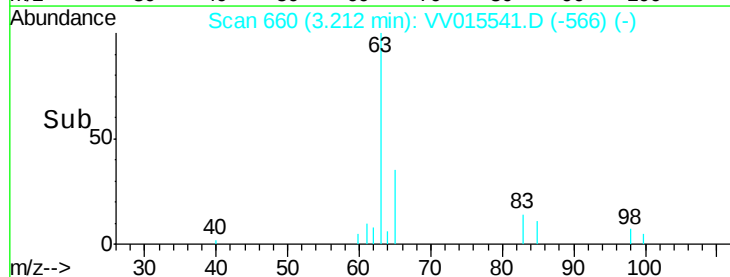
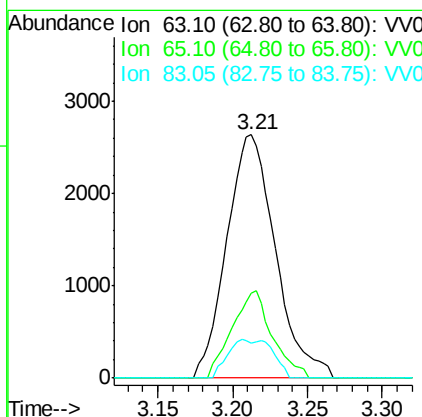
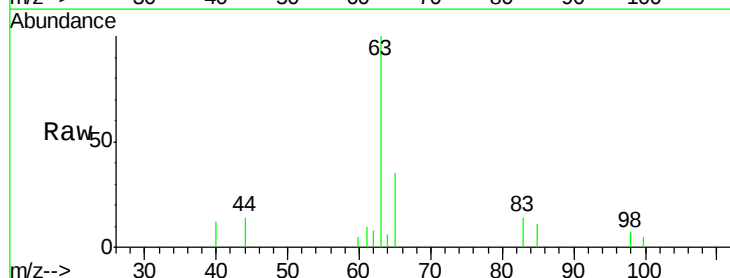
Instrument :
MSVOA_V
ClientSampled :
BFRR5

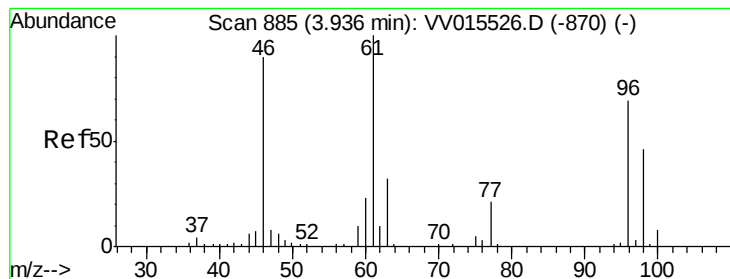
Tot Ion: 96 Resp: 797
Ion Ratio Lower Upper
96 100
61 126.8 104.4 194.0
98 63.4 42.8 79.4



#19
1,1-Dichloroethane
Concen: 0.458 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.00 min
Lab File: VV015541.D
Acq: 16 Apr 2020 16:58

Tgt Ion: 63 Resp: 5981
Ion Ratio Lower Upper
63 100
65 34.8 21.3 39.6
83 14.4 9.4 17.6





#22

cis-1,2-Dichloroethene

Concen: 9.452 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV015541.D

Acq: 16 Apr 2020 16:58

Instrument :

MSVOA_V

ClientSampleId :

BFRR5

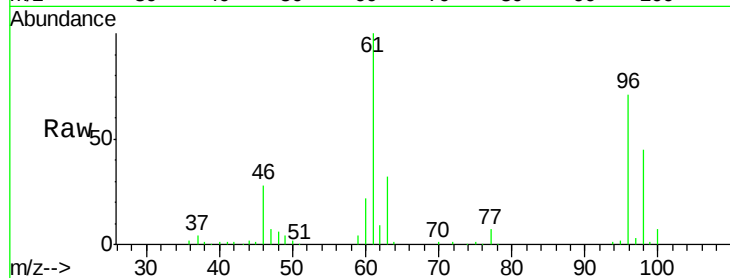
Tot Ion: 96 Resp: 68049

Ion Ratio Lower Upper

96 100

61 141.6 100.0 185.8

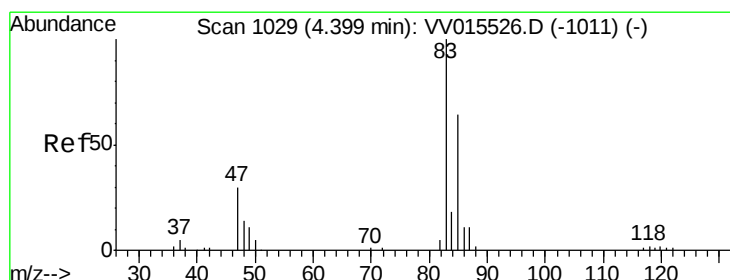
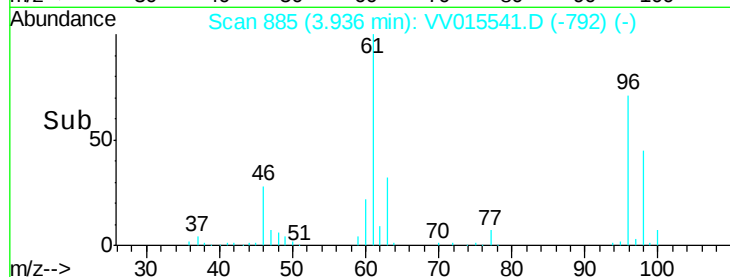
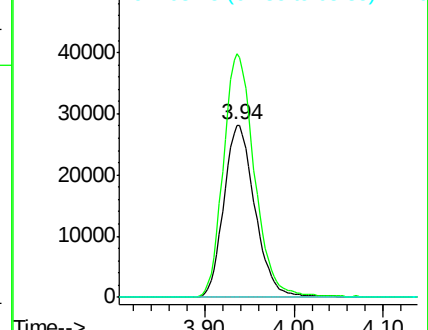
68 0.0 0.0 0.0



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: 0.463 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV015541.D

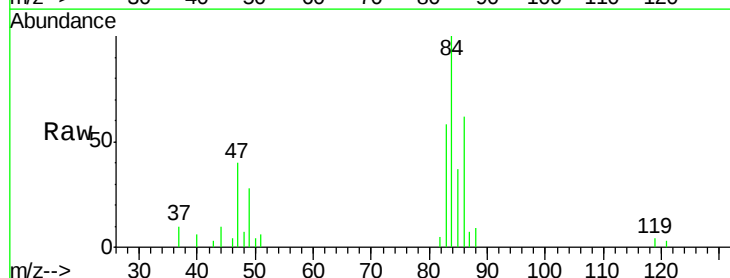
Acq: 16 Apr 2020 16:58

Tgt Ion: 83 Resp: 6196

Ion Ratio Lower Upper

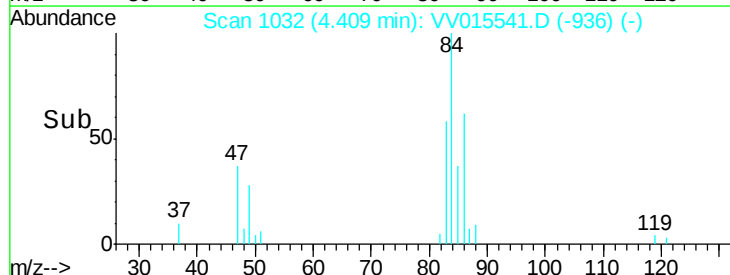
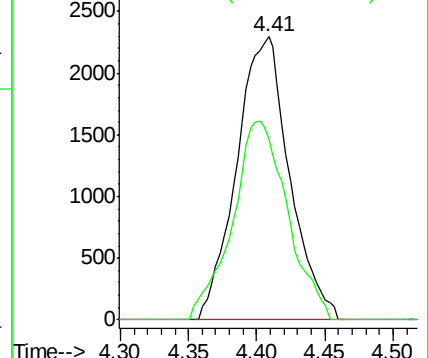
83 100

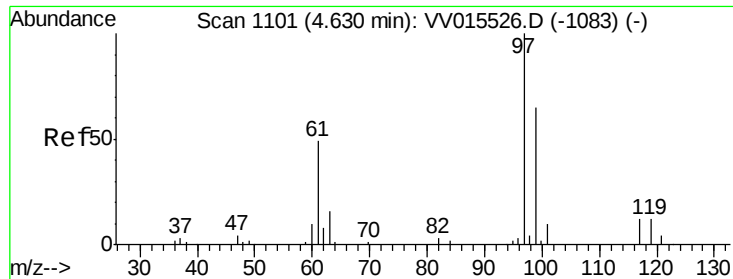
85 63.9 45.9 85.3



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

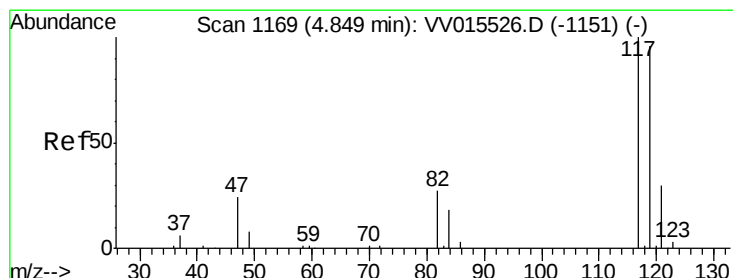
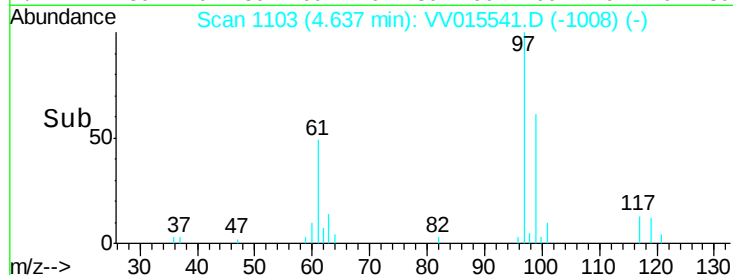
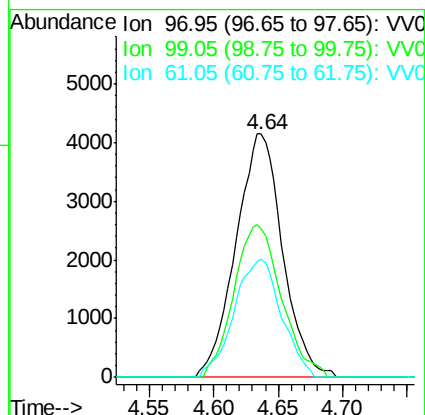
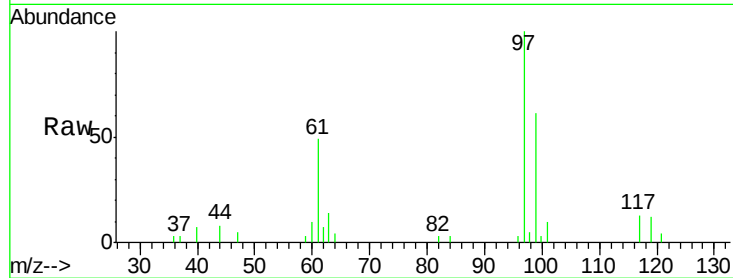




#29
1,1,1-Trichloroethane
Concen: 0.856 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VV015541.D
Acq: 16 Apr 2020 16:58

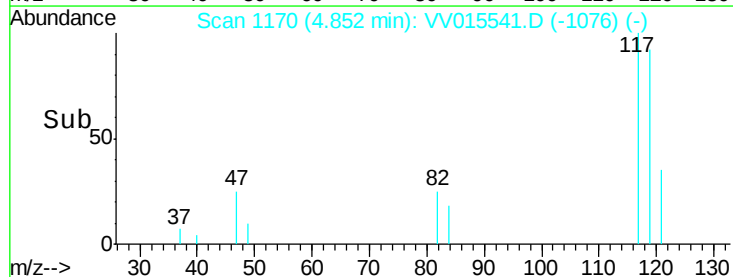
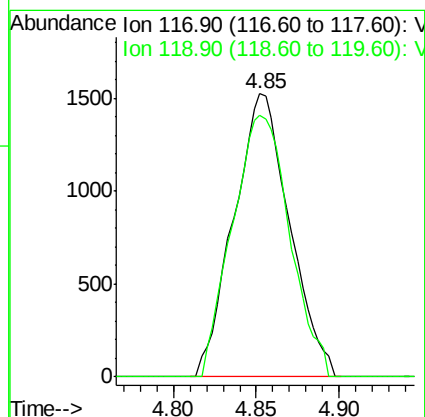
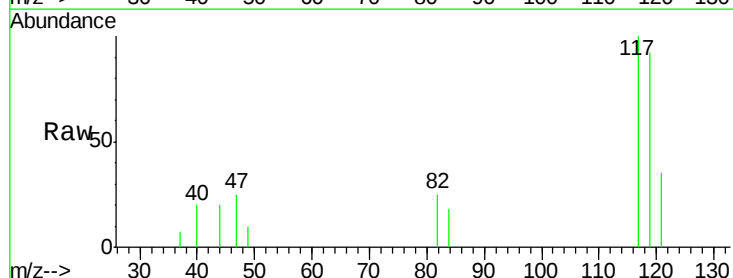
Instrument :
MSVOA_V
ClientSampled :
BFRR5

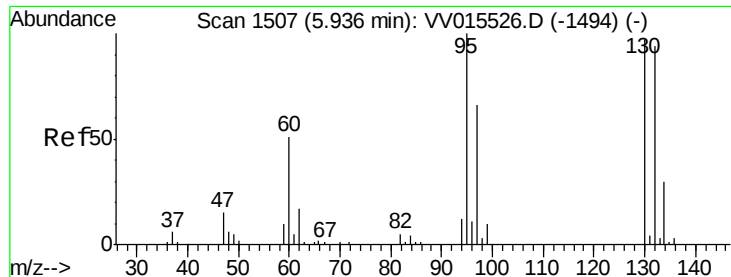
Tot Ion: 97 Resp: 10465
Ion Ratio Lower Upper
97 100
99 63.8 51.6 77.4
61 48.9 39.0 58.6



#31
Carbon tetrachloride
Concen: 0.335 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VV015541.D
Acq: 16 Apr 2020 16:58

Tgt Ion: 117 Resp: 3562
Ion Ratio Lower Upper
117 100
119 95.1 76.6 115.0





#34

Trichloroethene

Concen: 100.130 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV015541.D

Acq: 16 Apr 2020 16:58

Instrument :

MSVOA_V

ClientSampleId :

BFRR5

Tot Ion: 95 Resp: 760354

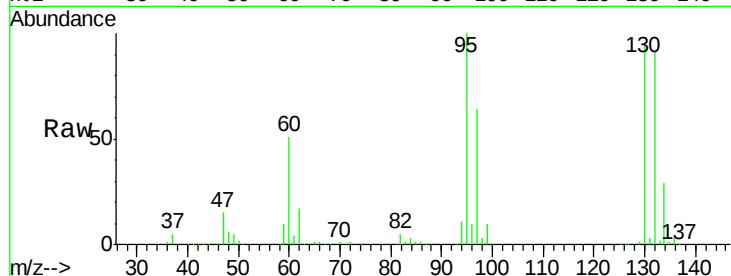
Ion Ratio Lower Upper

95 100

97 64.0 45.4 84.4

132 91.4 64.8 120.4

130 96.1 67.4 125.2

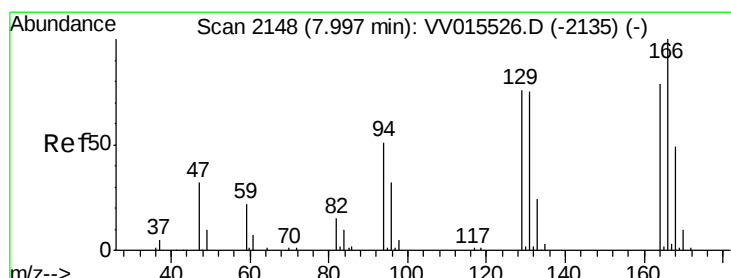
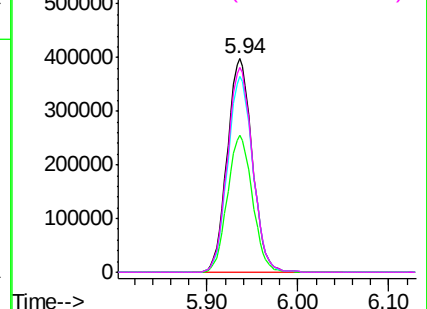
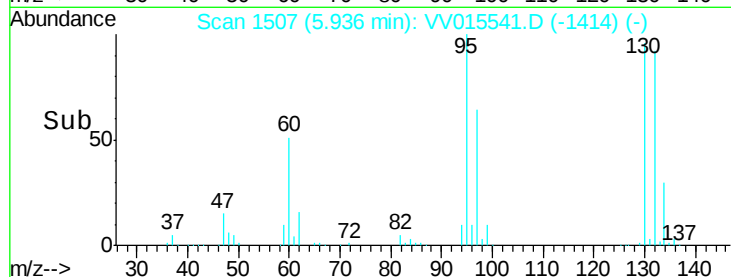


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 156.974 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015541.D

Acq: 16 Apr 2020 16:58

Tgt Ion:164 Resp: 883150

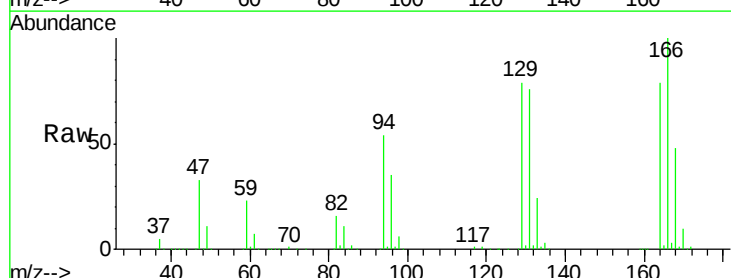
Ion Ratio Lower Upper

164 100

129 100.5 70.6 131.0

131 96.2 68.3 126.8

166 127.0 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

