

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041720\
 Data File : VV015550.D
 Acq On : 17 Apr 2020 13:16
 Operator : SY/MD
 Sample : L2320-05DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFRR2DL

Quant Time: Apr 18 01:25:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 18 00:37:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	95470	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	89576	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	44145	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	23061	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.58	69	22423	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.12	63	36257	3.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.60%
20) 2-Butanone-d5	3.94	46	75132	54.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.04%
24) Chloroform-d	4.38	84	52568	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.06	65	30017	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.07	84	100926	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.09	67	31988	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.34	98	90219	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	7.65	79	12703	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.11	63	58125	44.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.54%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	20359	4.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	34246	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

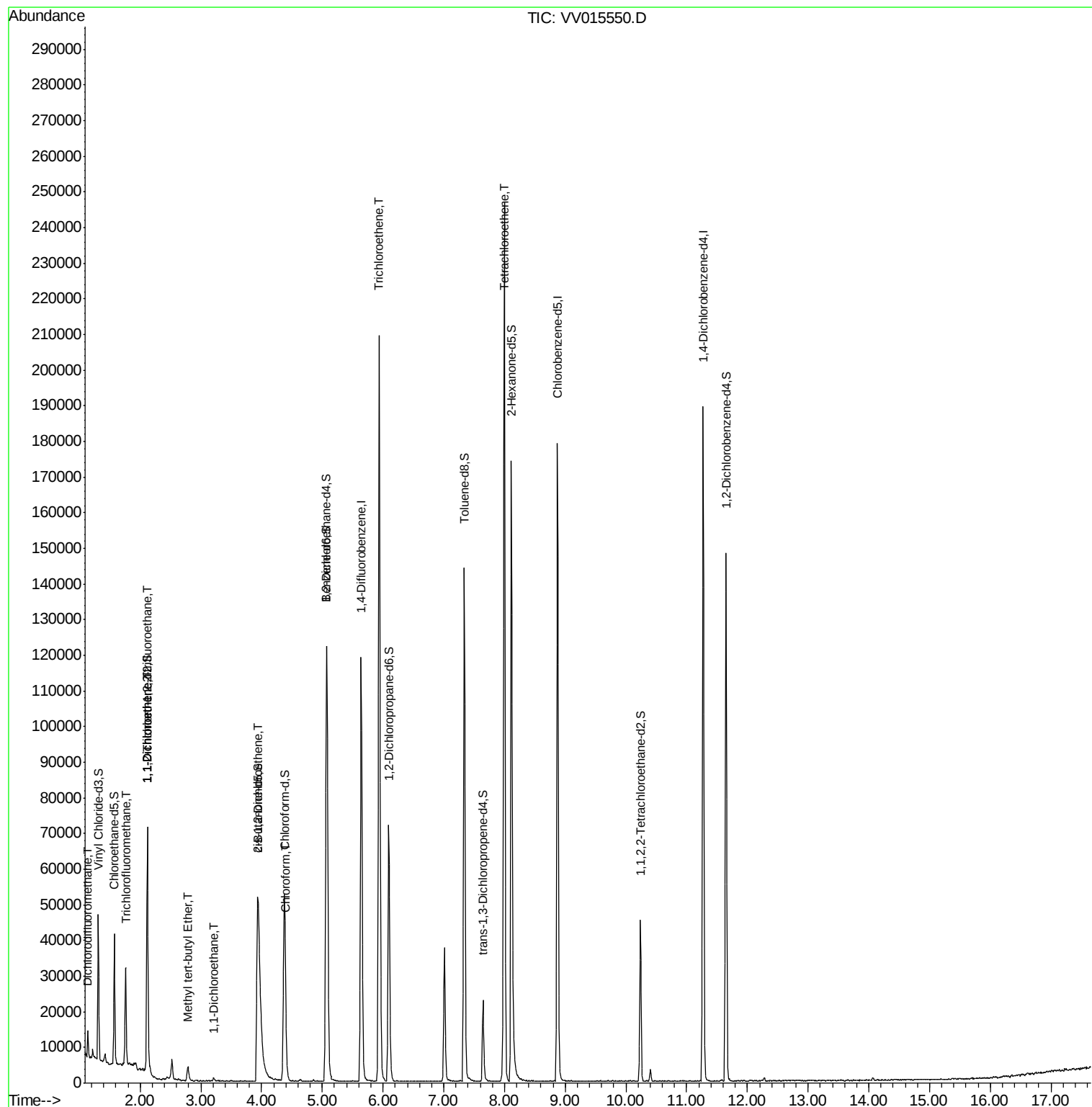
					Ovalue
2) Dichlorodifluoromethane	1.14	85	2029	0.215 ug/L	99
9) Trichlorofluoromethane	1.76	101	15071	1.359 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	621	0.099 ug/L #	67
12) 1,1-Dichloroethene	2.13	96	1631	0.272 ug/L #	1
17) Methyl tert-butyl Ether	2.79	73	2752	0.172 ug/L #	93
19) 1,1-Dichloroethane	3.21	63	1051	0.083 ug/L #	87
22) cis-1,2-Dichloroethene	3.94	96	7155	1.020 ug/L	95
25) Chloroform	4.40	83	2652	0.204 ug/L	87
34) Trichloroethene	5.94	95	71225	9.870 ug/L	98
47) Tetrachloroethene	8.00	164	49052	9.175 ug/L	98

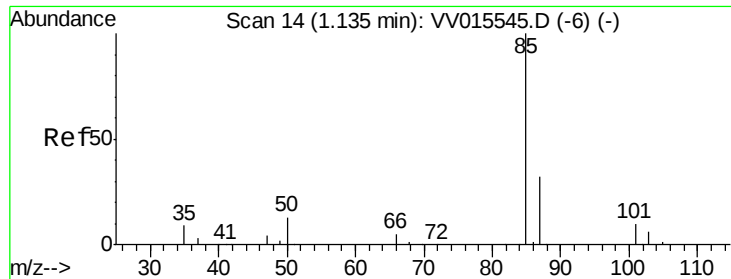
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 18 00:37:52 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.215 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015550.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

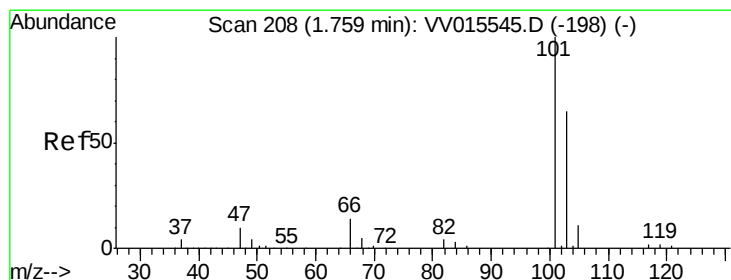
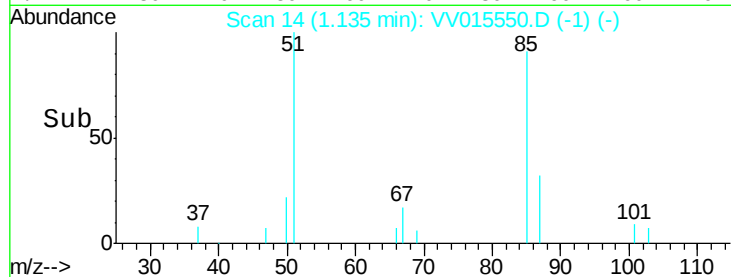
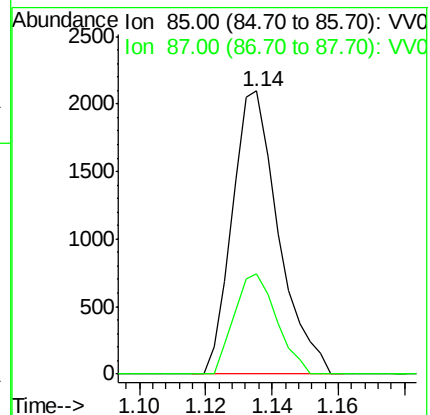
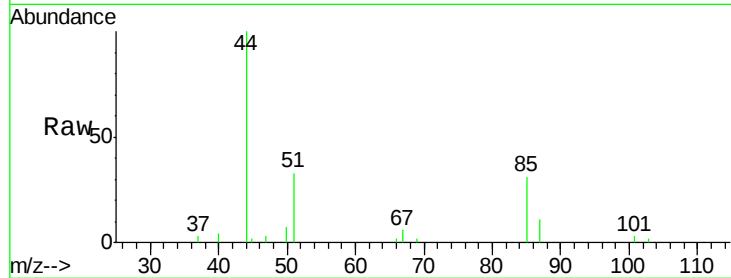
BFR2DL

Tot Ion: 85 Resp: 2029

Ion Ratio Lower Upper

85 100

87 32.3 25.3 37.9



#9

Trichlorofluoromethane

Concen: 1.359 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015550.D

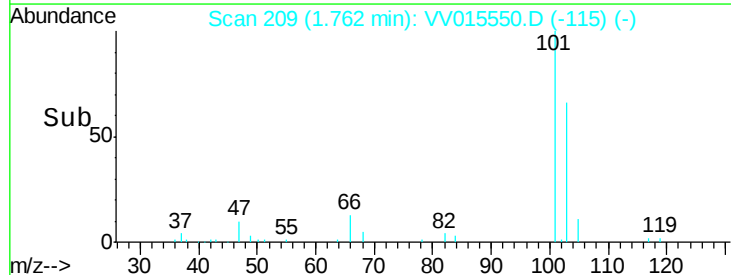
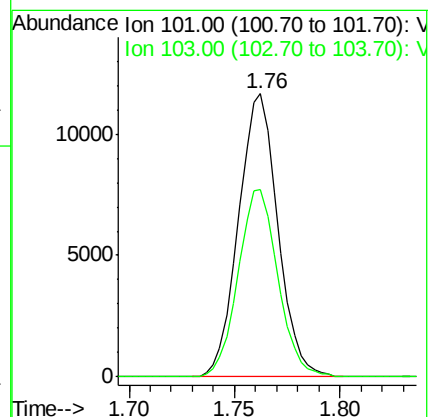
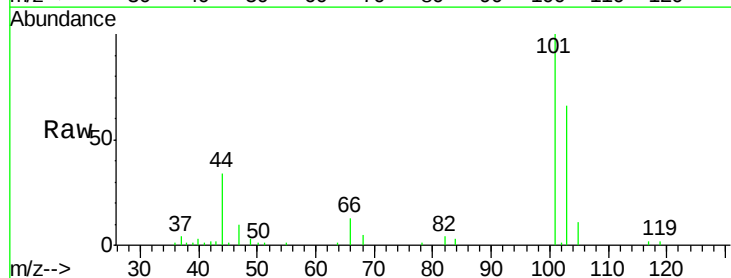
Acq: 17 Apr 2020 13:16

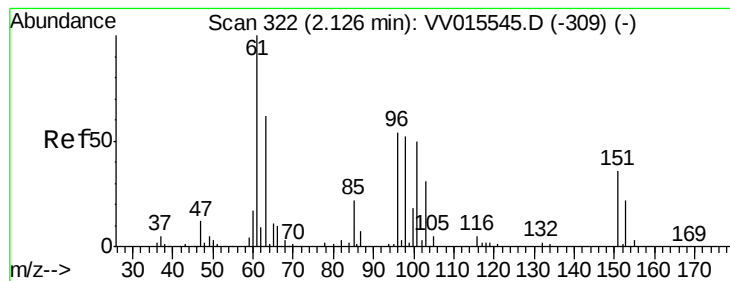
Tgt Ion: 101 Resp: 15071

Ion Ratio Lower Upper

101 100

103 66.9 51.9 77.9





#10

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

Concen: 0.099 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015550.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

BFRR2DL

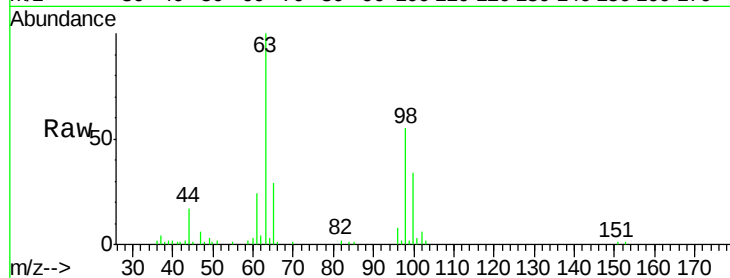
Tot Ion:101 Resp: 621

Ion Ratio Lower Upper

101 100

85 26.4 36.3 54.5#

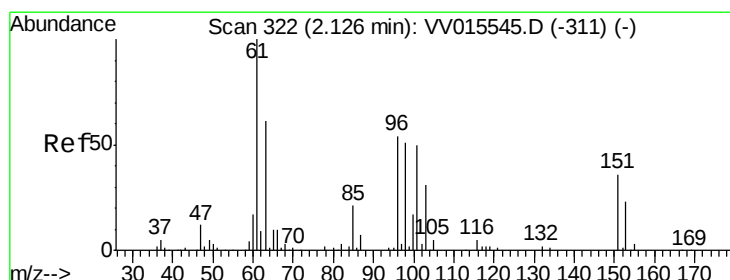
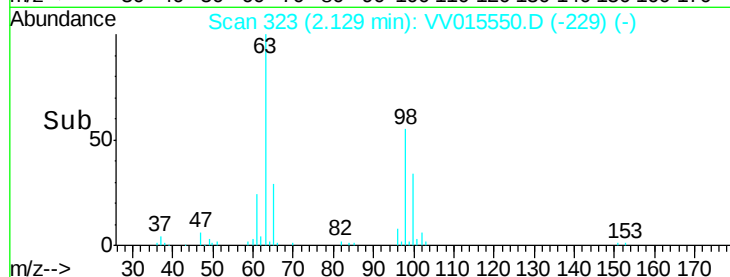
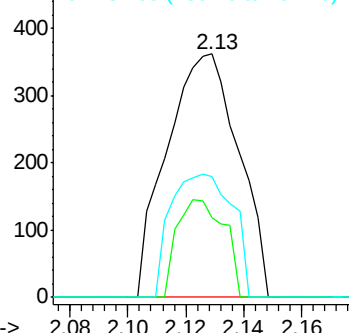
151 43.5 58.2 87.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.272 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015550.D

Acq: 17 Apr 2020 13:16

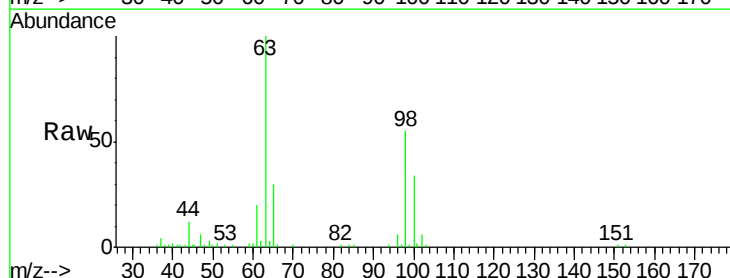
Tgt Ion: 96 Resp: 1631

Ion Ratio Lower Upper

96 100

61 339.0 127.7 237.1#

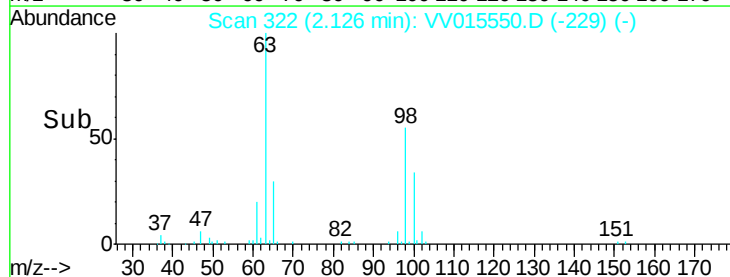
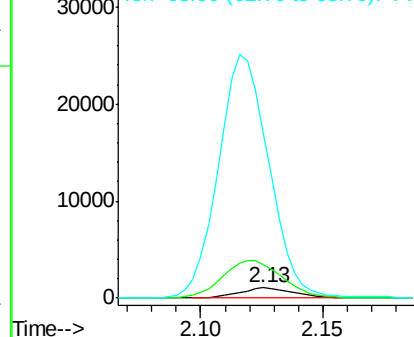
63 1662.5 75.1 139.5#

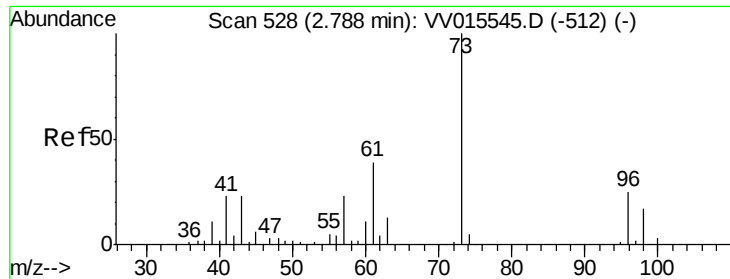


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

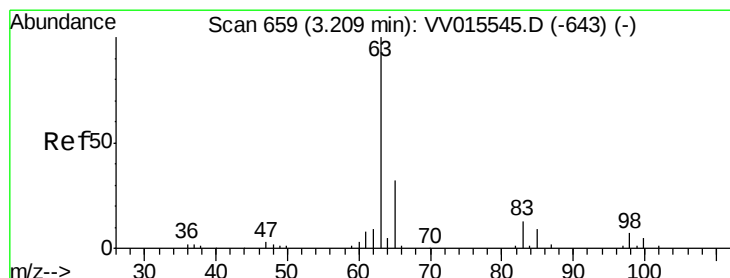
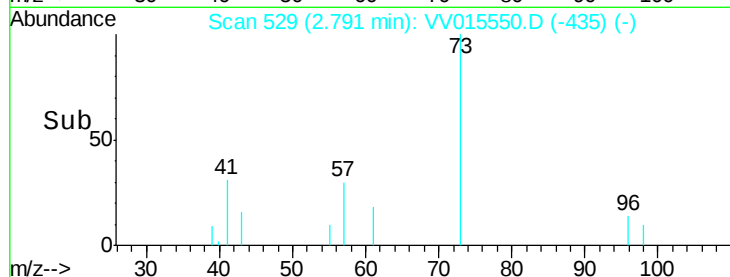
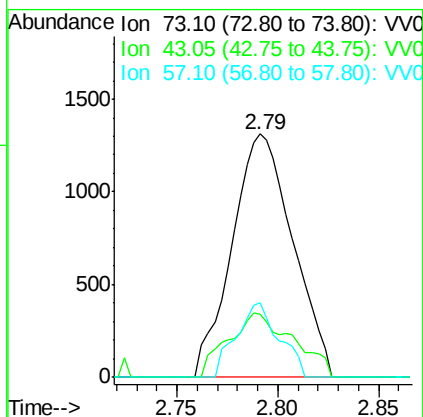
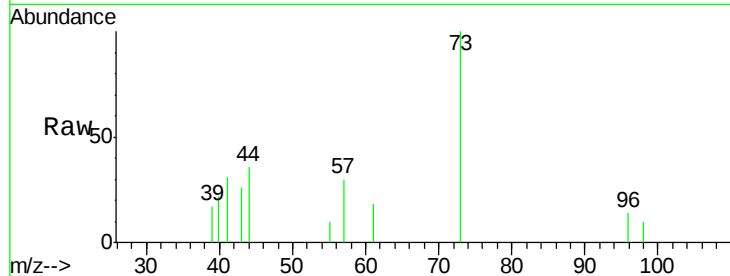




#17
Methvl tert-butvl Ether
Concen: 0.172 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV015550.D
Acq: 17 Apr 2020 13:16

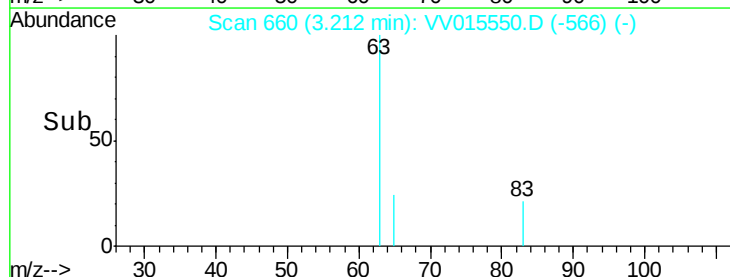
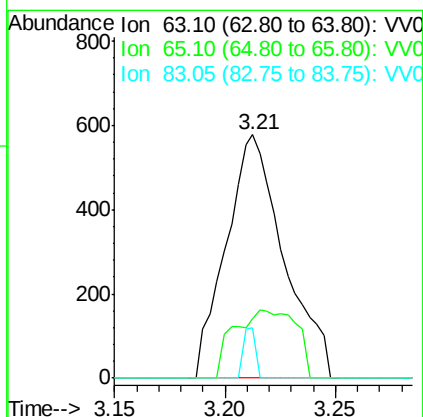
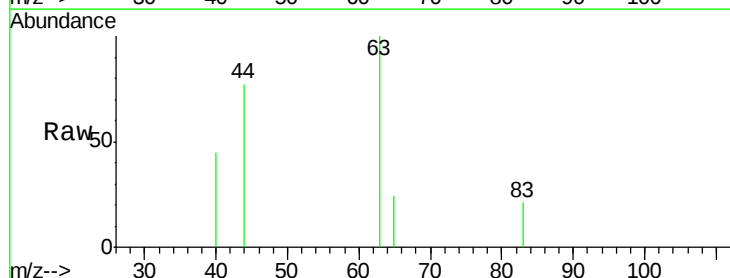
Instrument :
MSVOA_V
ClientSampleId :
BFRR2DL

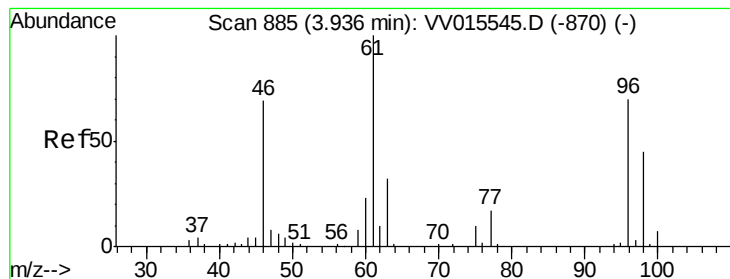
Tot Ion: 73 Resp: 2752
Ion Ratio Lower Upper
73 100
43 28.2 18.3 27.5#
57 21.8 18.4 27.6



#19
1,1-Dichloroethane
Concen: 0.083 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.00 min
Lab File: VV015550.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 63 Resp: 1051
Ion Ratio Lower Upper
63 100
65 24.4 21.3 39.6
83 20.8 9.4 17.6#





#22

cis-1,2-Dichloroethene

Concen: 1.020 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015550.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

BFRR2DL

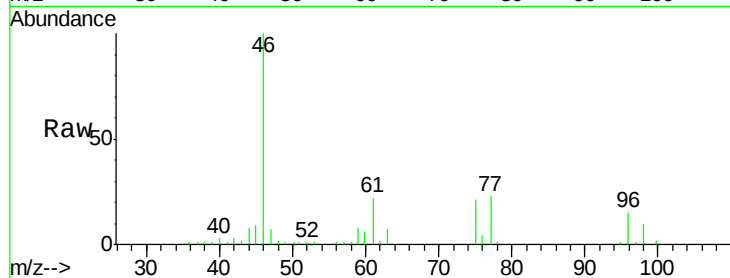
Tot Ion: 96 Resp: 7155

Ion Ratio Lower Upper

96 100

61 148.5 100.0 185.8

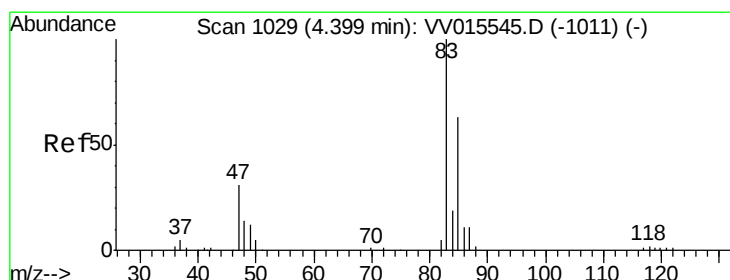
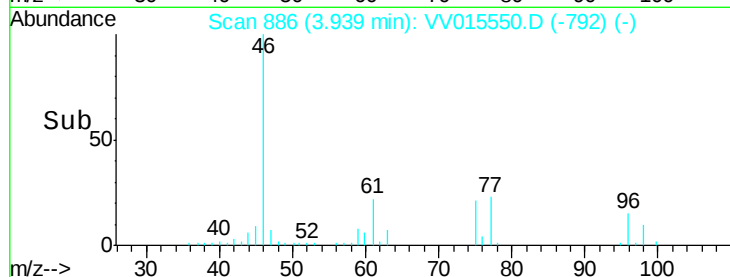
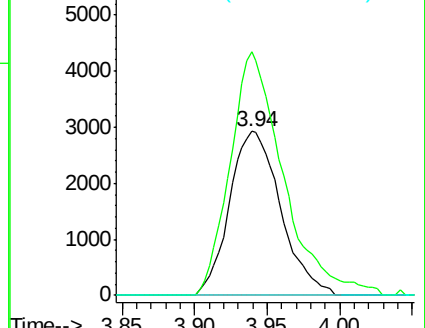
68 0.0 0.0 0.0



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: 0.204 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV015550.D

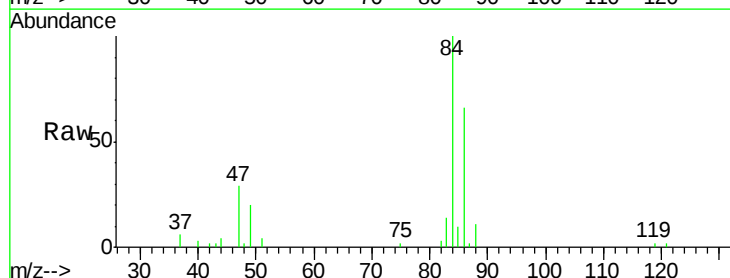
Acq: 17 Apr 2020 13:16

Tgt Ion: 83 Resp: 2652

Ion Ratio Lower Upper

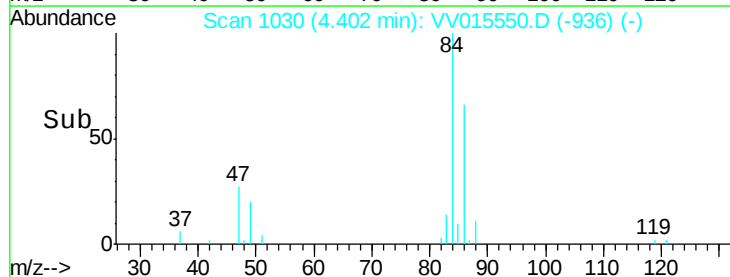
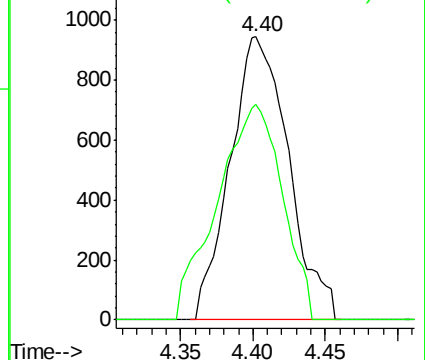
83 100

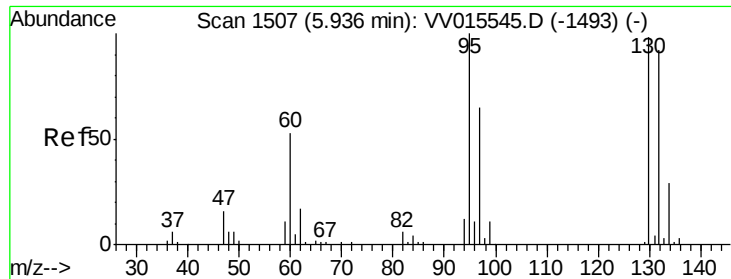
85 76.3 45.9 85.3



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

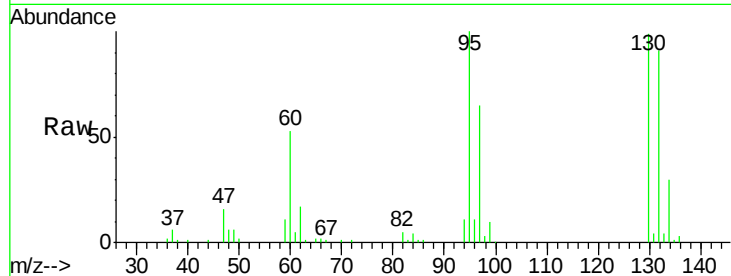




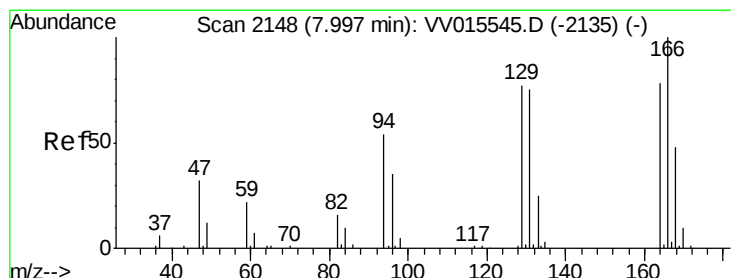
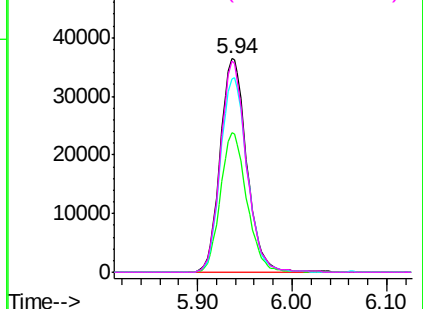
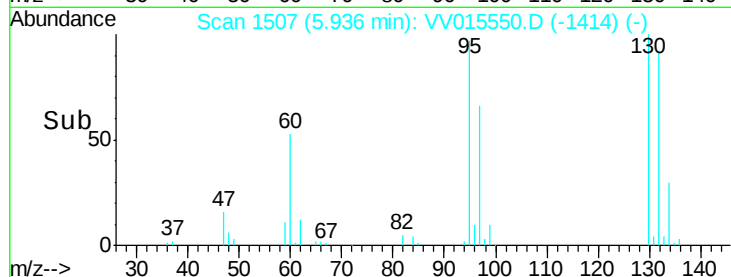
#34
 Trichloroethene
 Concen: 9.870 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV015550.D
 Acq: 17 Apr 2020 13:16

Instrument :
 MSVOA_V
 ClientSampled :
 BFRR2DL

Tot Ion: 95 Resp: 71225
 Ion Ratio Lower Upper
 95 100
 97 65.1 45.4 84.4
 132 90.6 64.8 120.4
 130 98.6 67.4 125.2

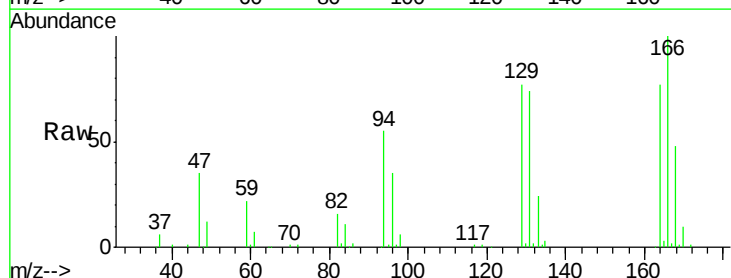


Abundance Ion 95.00 (94.70 to 95.70): VV015550.D (-1414) (-)
 Ion 96.95 (96.65 to 97.65): VV015550.D (-1414) (-)
 Ion 131.95 (131.65 to 132.65): VV015550.D (-1414) (-)
 Ion 129.95 (129.65 to 130.65): VV015550.D (-1414) (-)



#47
 Tetrachloroethene
 Concen: 9.175 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV015550.D
 Acq: 17 Apr 2020 13:16

Tgt Ion: 164 Resp: 49052
 Ion Ratio Lower Upper
 164 100
 129 100.1 70.6 131.0
 131 96.9 68.3 126.8
 166 130.3 88.3 163.9



Abundance Ion 163.90 (163.60 to 164.60): VV015550.D (-2055) (-)
 Ion 128.95 (128.65 to 129.65): VV015550.D (-2055) (-)
 Ion 130.95 (130.65 to 131.65): VV015550.D (-2055) (-)
 Ion 165.90 (165.60 to 166.60): VV015550.D (-2055) (-)

