

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062520\
 Data File : VV017154.D
 Acq On : 26 Jun 2020 02:47
 Operator : SY/MD
 Sample : L3068-04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9F17

Quant Time: Jun 26 05:16:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 26 05:12:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	160999	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	158846	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	71825	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51297	5.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.20%
7) Chloroethane-d5	1.58	69	39332	5.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.00%
11) 1,1-Dichloroethene-d2	2.13	63	73034	3.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.40%
20) 2-Butanone-d5	3.93	46	115430	46.87	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.74%
24) Chloroform-d	4.38	84	106258	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.06	65	57675	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	5.08	84	197894	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.10	67	56537	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.34	98	172591	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
45) trans-1,3-Dichloropropene-	7.64	79	21307	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
48) 2-Hexanone-d5	8.11	63	85583	43.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.42%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	40605	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	68657	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

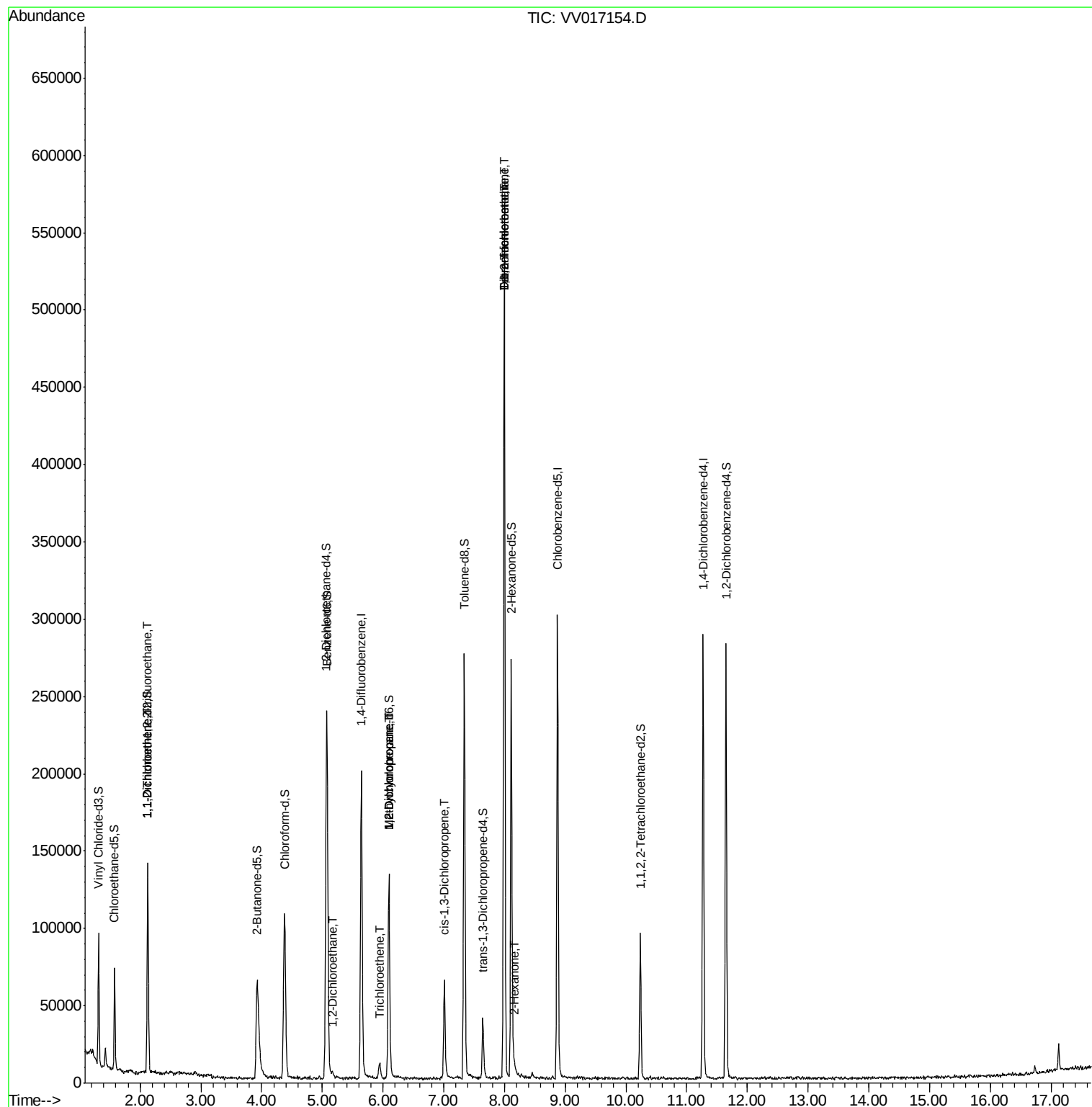
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	855	0.100	ug/L #	19
12) 1,1-Dichloroethene	2.13	96	863	0.112	ug/L #	1
27) 1,2-Dichloroethane	5.17	62	3148	0.252	ug/L #	71
34) Trichloroethene	5.95	95	3045	0.250	ug/L	86
35) Methylcyclohexane	6.09	83	15450	0.816	ug/L #	18
37) 1,2-Dichloropropane	6.10	63	7701	0.748	ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	2017	0.132	ug/L #	74
47) 1,1,2-Trichloroethane	7.99	97	1452	0.199	ug/L #	30
49) Tetrachloroethene	8.00	164	120880	12.329	ug/L	99
50) 2-Hexanone	8.17	43	3241	0.766	ug/L #	74
51) Dibromochloromethane	8.00	129	109172	12.331	ug/L #	11

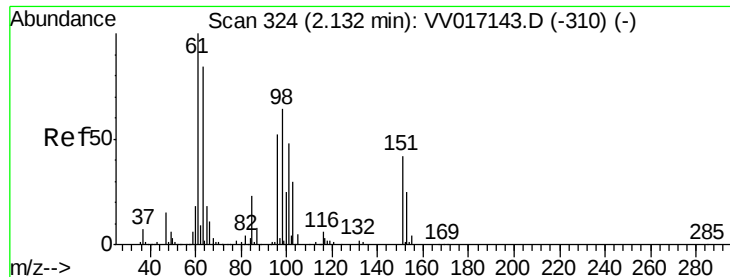
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.100 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017154.D

Acq: 26 Jun 2020 02:47

Instrument :

MSVOA_V

ClientSampleId :

F9F17

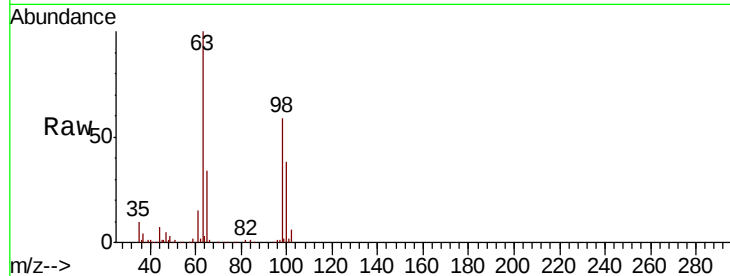
Tot Ion:101 Resp: 855

Ion Ratio Lower Upper

101 100

85 2.3 35.4 53.2#

151 0.0 63.9 95.9#



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

2.13

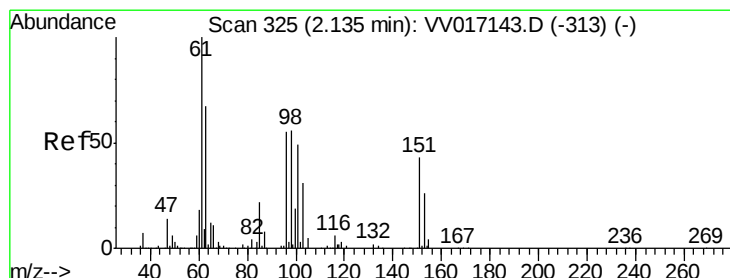
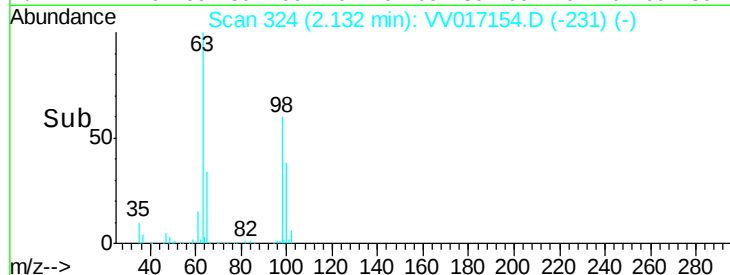
600

400

200

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.112 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV017154.D

Acq: 26 Jun 2020 02:47

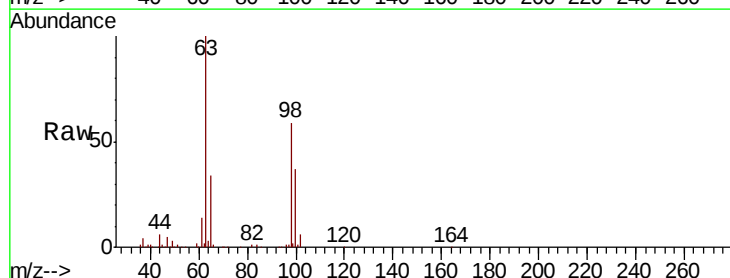
Tgt Ion: 96 Resp: 863

Ion Ratio Lower Upper

96 100

61 1149.0 125.0 232.2#

63 8162.0 109.8 203.8#



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

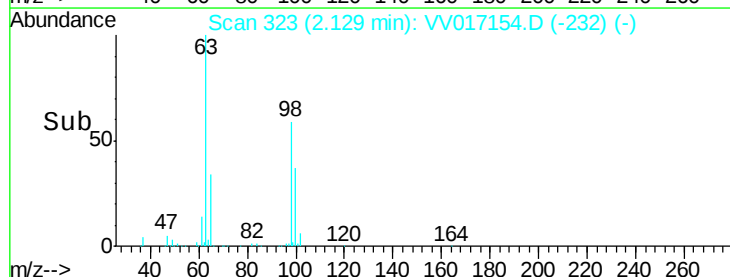
60000

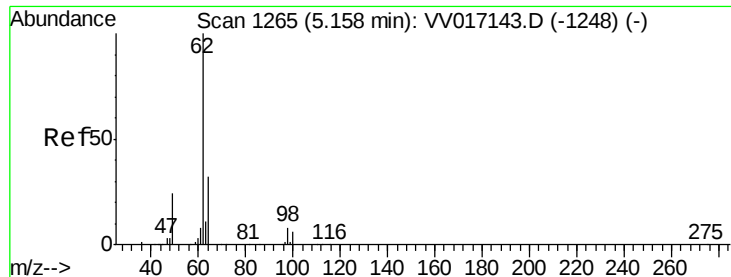
40000

20000

0

Time-->





#27

1,2-Dichloroethane

Concen: 0.252 ug/L

RT: 5.17 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VV017154.D

Acq: 26 Jun 2020 02:47

Instrument :

MSVOA_V

ClientSampleId :

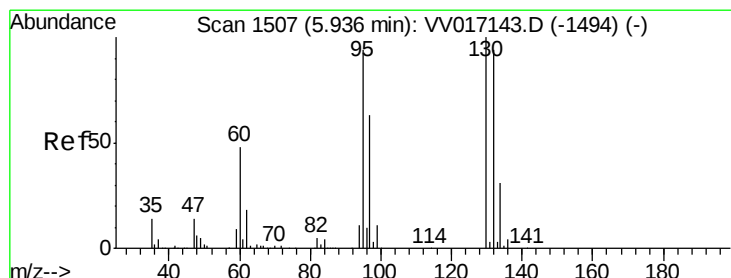
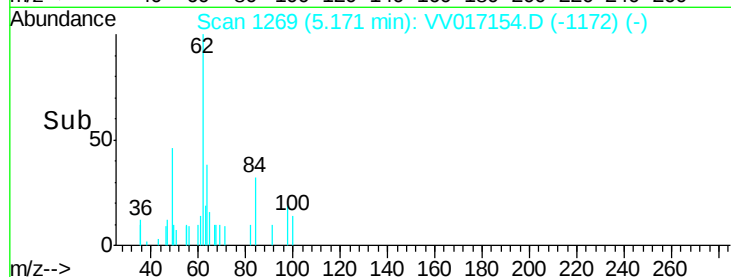
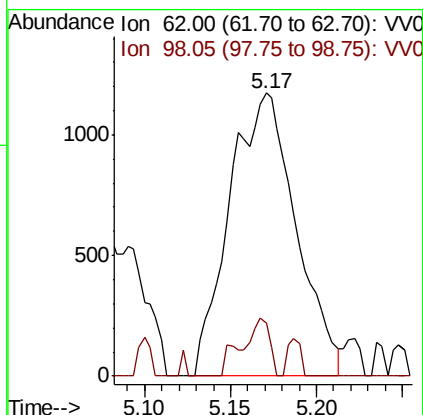
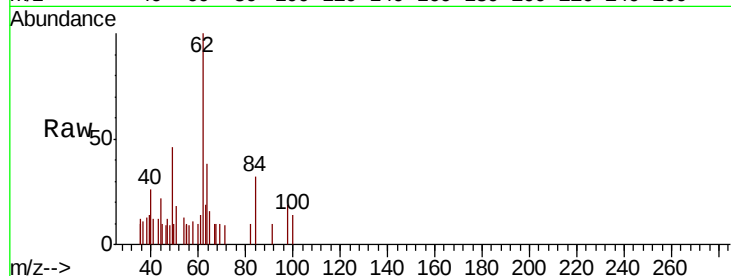
F9F17

Tot Ion: 62 Resp: 3148

Ion Ratio Lower Upper

62 100

98 18.7 6.7 10.1#



#34

Trichloroethene

Concen: 0.250 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV017154.D

Acq: 26 Jun 2020 02:47

Tgt Ion: 95 Resp: 3045

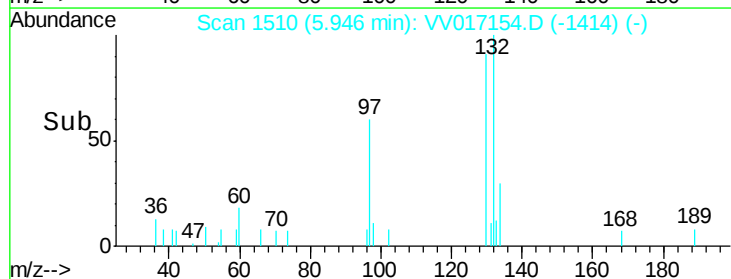
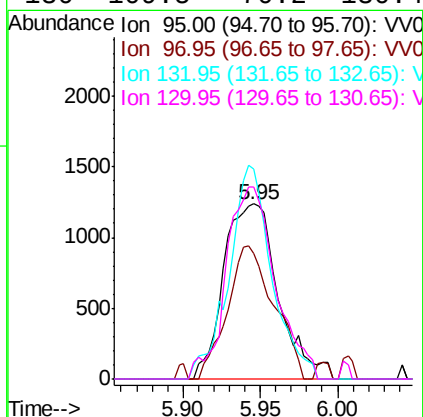
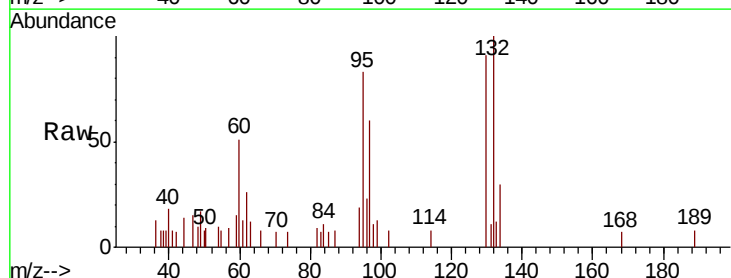
Ion Ratio Lower Upper

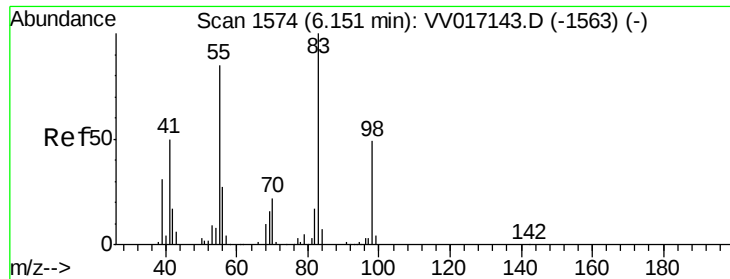
95 100

97 72.0 45.3 84.1

132 119.8 68.8 127.8

130 109.5 70.2 130.4

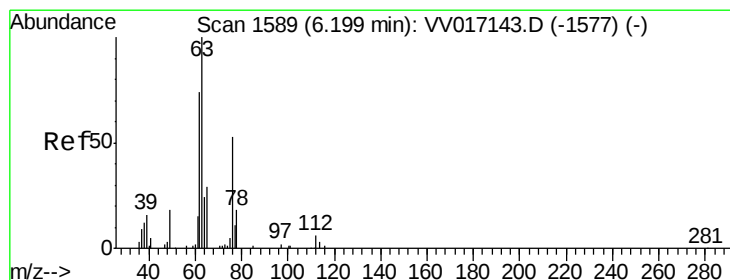
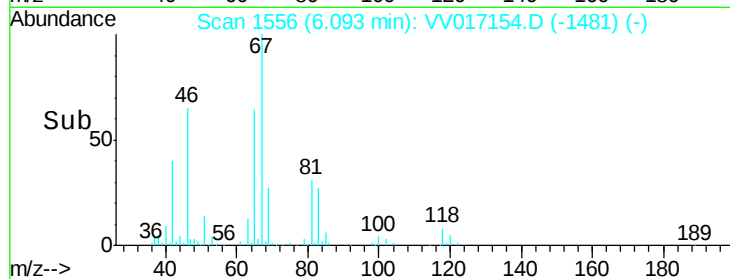
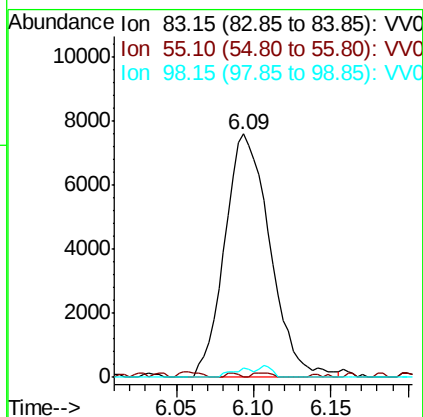
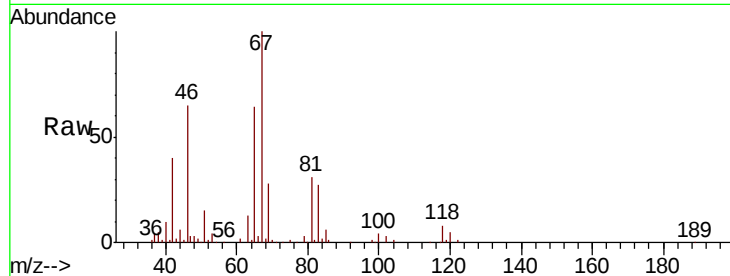




#35
Methvlcvclohexane
Concen: 0.816 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017154.D
Acq: 26 Jun 2020 02:47

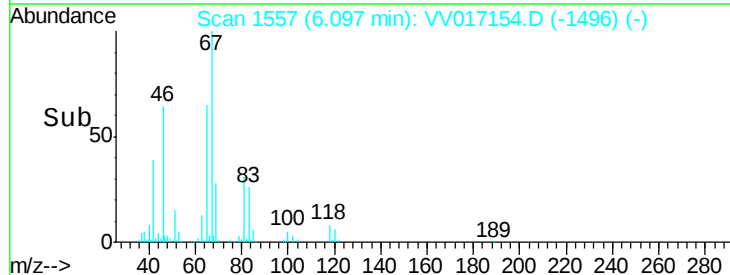
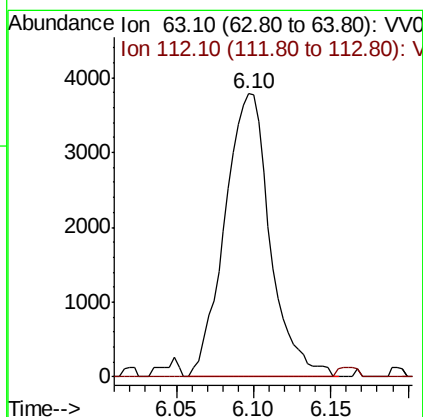
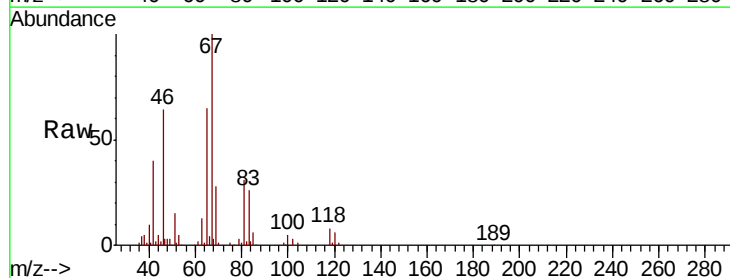
Instrument :
MSVOA_V
ClientSampleId :
F9F17

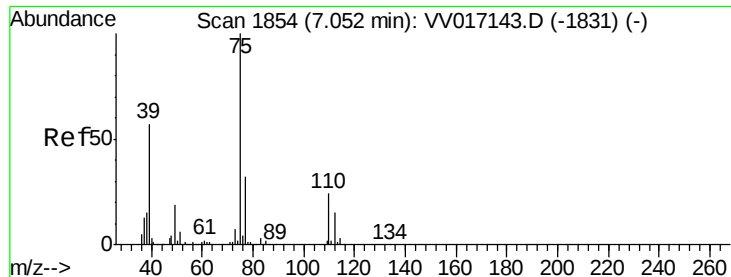
Tot Ion: 83 Resp: 15450
Ion Ratio Lower Upper
83 100
55 0.5 63.6 95.4#
98 1.7 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 0.748 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV017154.D
Acq: 26 Jun 2020 02:47

Tgt Ion: 63 Resp: 7701
Ion Ratio Lower Upper
63 100
112 1.5 4.4 6.6#





#39

cis-1,3-Dichloropropene

Concen: 0.132 ug/L

RT: 7.01 min Scan# 1842

Delta R.T. -0.04 min

Lab File: VV017154.D

Acq: 26 Jun 2020 02:47

Instrument :

MSVOA_V

ClientSampled :

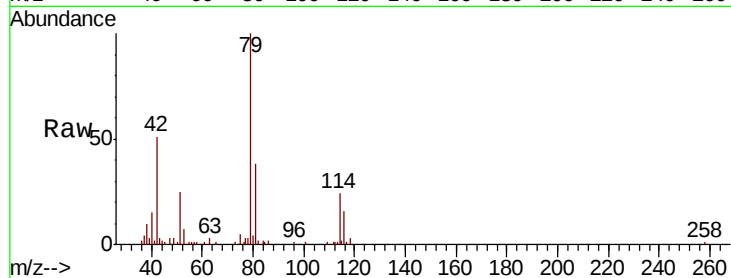
F9F17

Tot Ion: 75 Resp: 2017

Ion Ratio Lower Upper

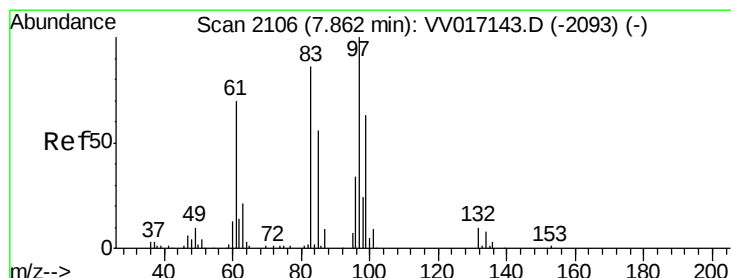
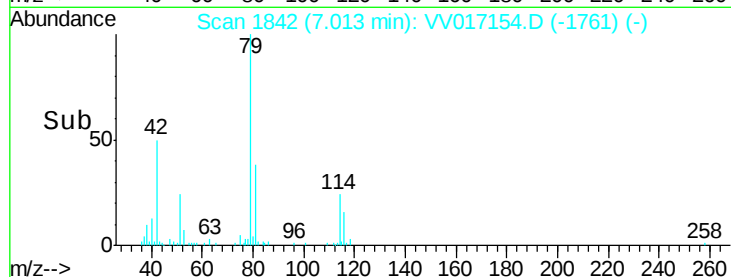
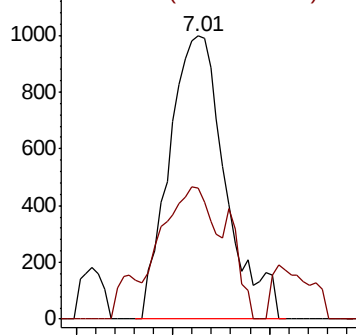
75 100

77 46.2 22.3 41.5#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

1,1,2-Trichloroethane

Concen: 0.199 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.13 min

Lab File: VV017154.D

Acq: 26 Jun 2020 02:47

Tgt Ion: 97 Resp: 1452

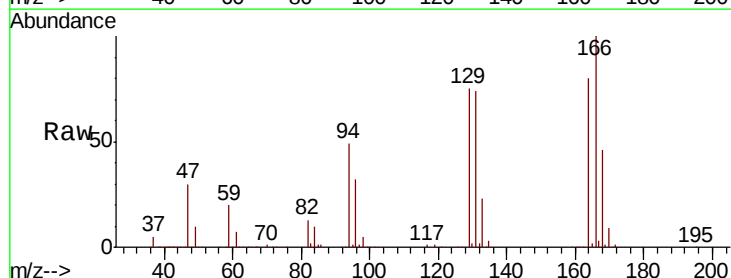
Ion Ratio Lower Upper

97 100

99 16.1 43.6 81.0#

83 188.3 57.4 106.6#

85 63.2 38.8 72.0

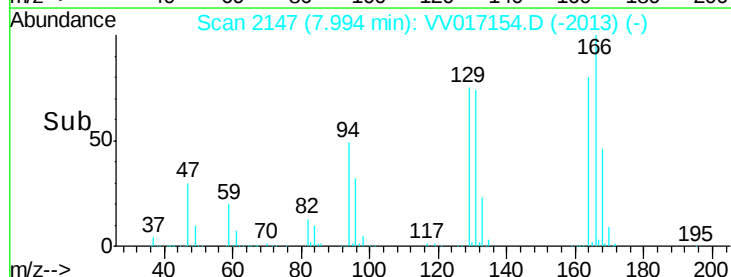
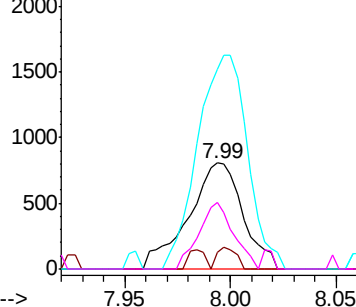


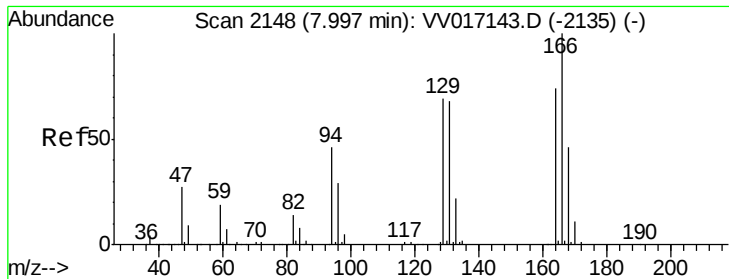
Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0





#49

Tetrachloroethene

Concen: 12.329 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017154.D

Acq: 26 Jun 2020 02:47

Instrument :

MSVOA_V

ClientSampleId :

F9F17

Tot Ion:164 Resp: 120880

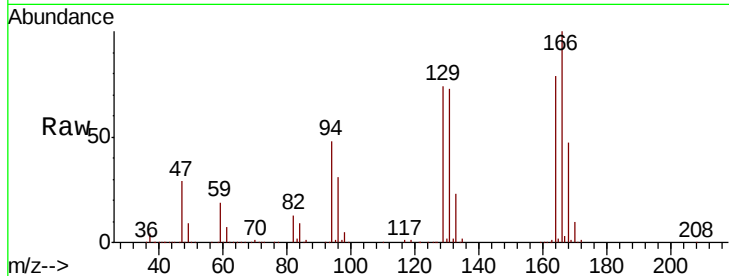
Ion Ratio Lower Upper

164 100

129 94.1 65.2 121.0

131 92.2 64.1 119.1

166 126.8 90.2 167.4

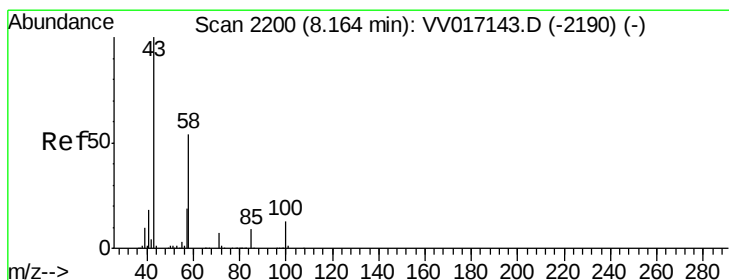
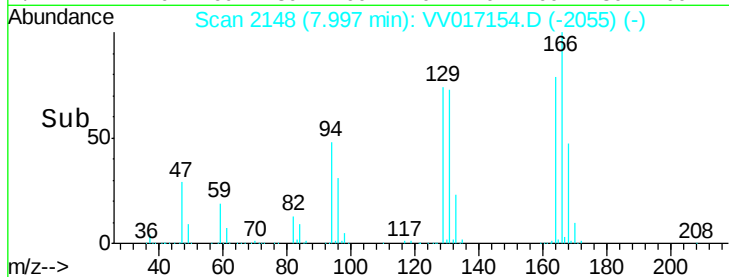
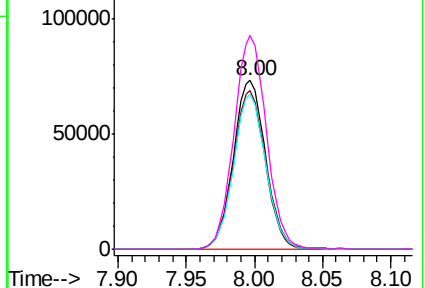


Abundance Ion 163.90 (163.60 to 164.60): V

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



#50

2-Hexanone

Concen: 0.766 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VV017154.D

Acq: 26 Jun 2020 02:47

Tgt Ion: 43 Resp: 3241

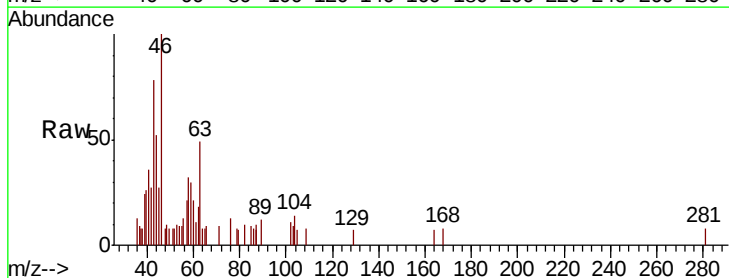
Ion Ratio Lower Upper

43 100

58 25.3 41.6 62.4#

57 21.0 15.4 23.0

100 7.9 10.1 15.1#

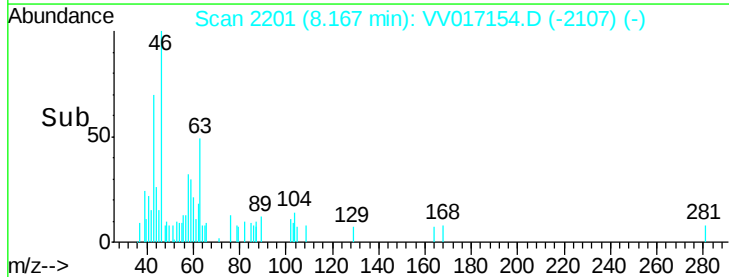
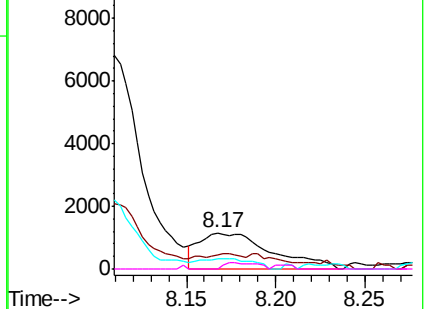


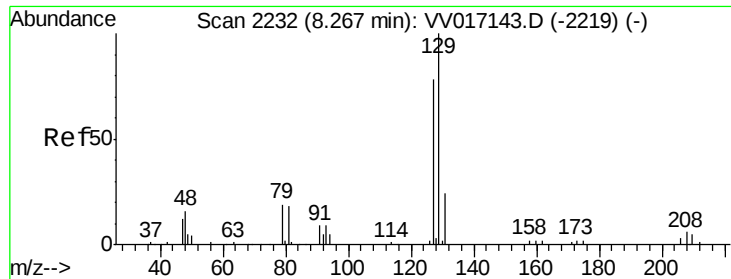
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#51

Dibromochloromethane

Concen: 12.331 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV017154.D

Acq: 26 Jun 2020 02:47

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ClientSampleId :

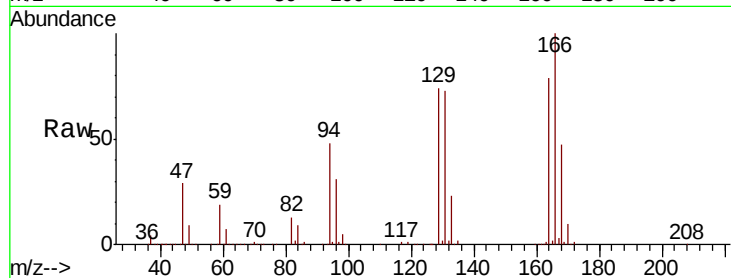
F9F17

Tot Ion:129 Resp: 109172

Ion Ratio Lower Upper

129 100

127 0.2 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

