

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072120\
 Data File : VV017568.D
 Acq On : 21 Jul 2020 16:59
 Operator : SY/MD
 Sample : L3336-04DL 20X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-2DL

Quant Time: Jul 22 03:27:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 22 03:23:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	327977	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	313167	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	150764	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70095	35.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.04%
7) Chloroethane-d5	1.58	69	52749	38.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.68%
11) 1,1-Dichloroethene-d2	2.12	63	123740	30.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.44%
21) 2-Butanone-d5	3.91	46	132089	86.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.28%
24) Chloroform-d	4.37	84	186077	40.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.96%
26) 1,2-Dichloroethane-d4	5.05	65	133034	42.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.48%
32) Benzene-d6	5.07	84	343980	41.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.28%
36) 1,2-Dichloropropane-d6	6.09	67	106822	42.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.10%
41) Toluene-d8	7.33	98	312205	39.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.10%#
43) trans-1,3-Dichloropropene-	7.64	79	52373	36.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.08%
47) 2-Hexanone-d5	8.11	63	96782	84.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.10%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	148058	41.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.92%
64) 1,2-Dichlorobenzene-d4	11.65	152	136299	43.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.20%

Target Compounds

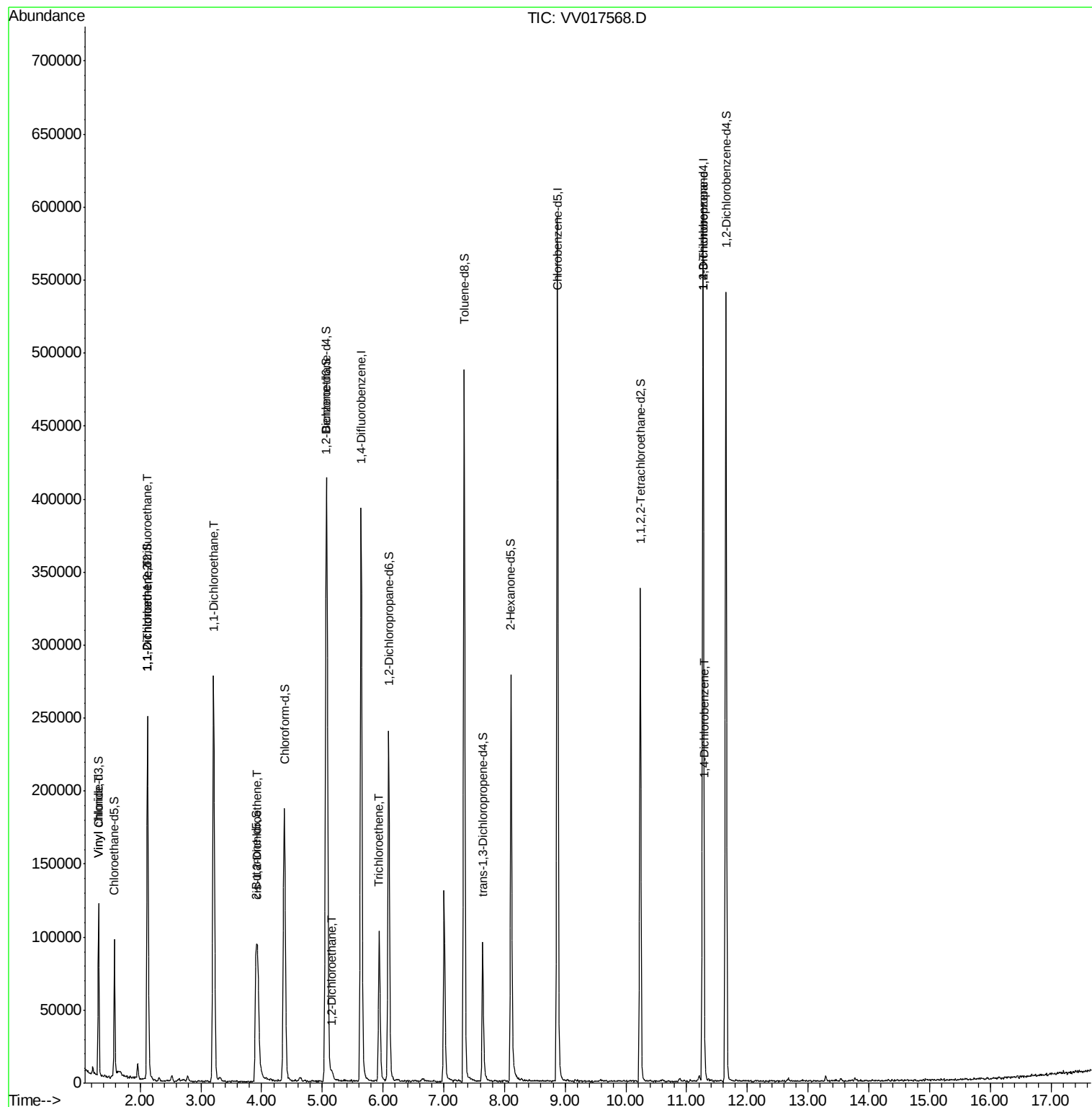
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	2484	1.006	ug/L #	14
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1926	0.954	ug/L #	59
12) 1,1-Dichloroethene	2.13	96	17840	9.531	ug/L #	1
19) 1,1-Dichloroethane	3.21	63	277068	65.638	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	27334	10.866	ug/L	92
27) 1,2-Dichloroethane	5.16	62	3881	1.005	ug/L	99
34) Trichloroethene	5.94	95	34484	13.601	ug/L	96
59) 1,2,3-Trichloropropane	11.27	75	18053	5.828	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	3159	0.611	ug/L	92

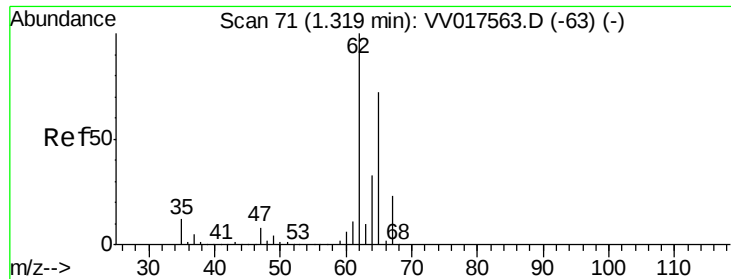
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Jul 22 03:23:09 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.006 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017568.D

Acq: 21 Jul 2020 16:59

Instrument :

MSVOA_V

ClientSampled :

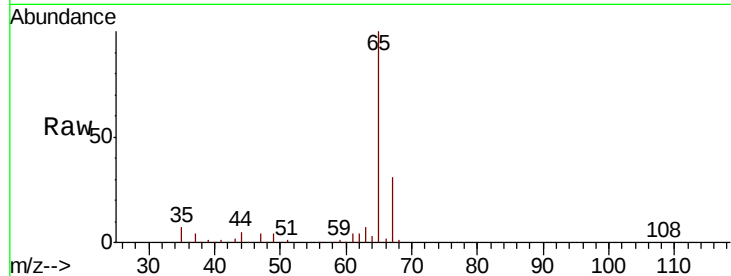
PMW-2DL

Tot Ion: 62 Resp: 2484

Ion Ratio Lower Upper

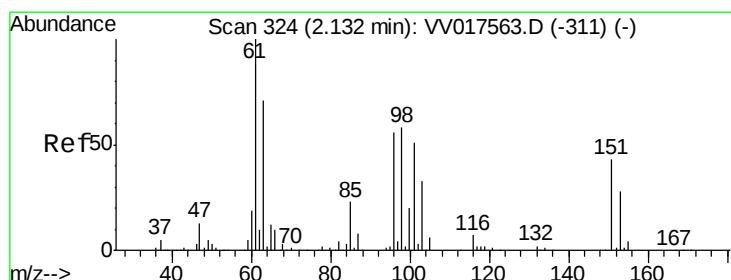
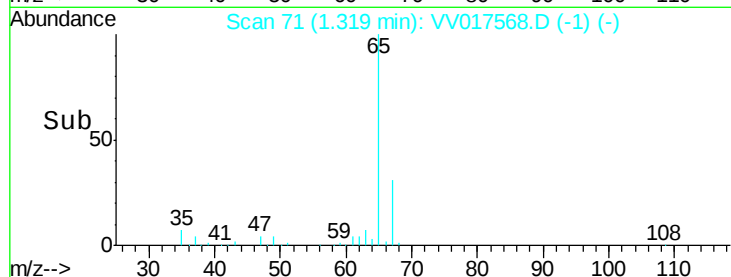
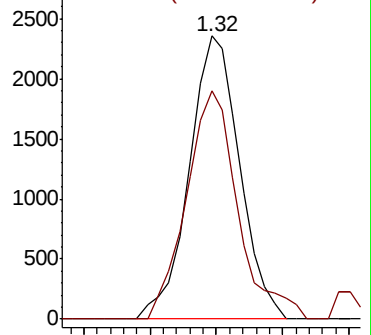
62 100

64 80.8 22.8 42.4#



Abundance Ion 62.00 (61.70 to 62.70): VV017568.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV017568.D (-63) (-)



#10

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

Concen: 0.954 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017568.D

Acq: 21 Jul 2020 16:59

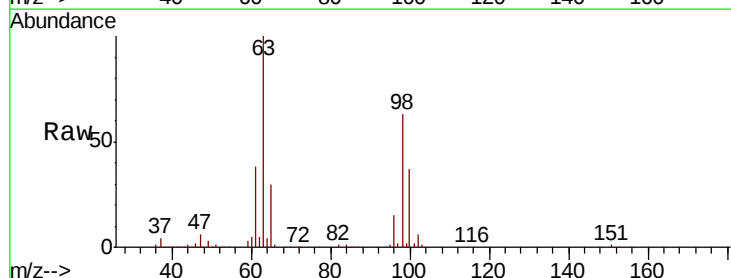
Tgt Ion: 101 Resp: 1926

Ion Ratio Lower Upper

101 100

85 24.0 35.1 52.7#

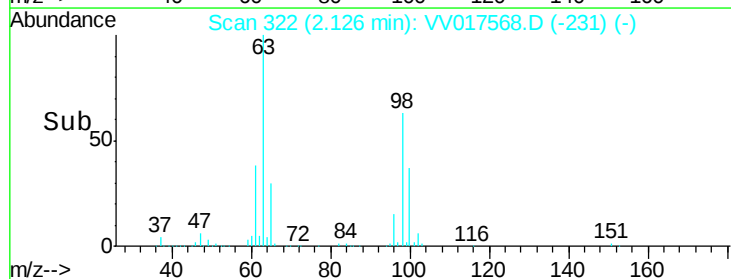
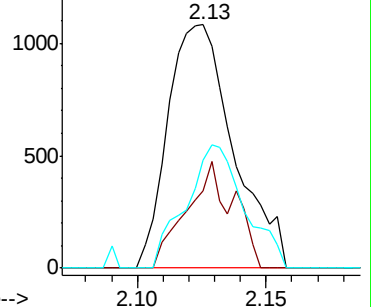
151 42.3 67.0 100.4#

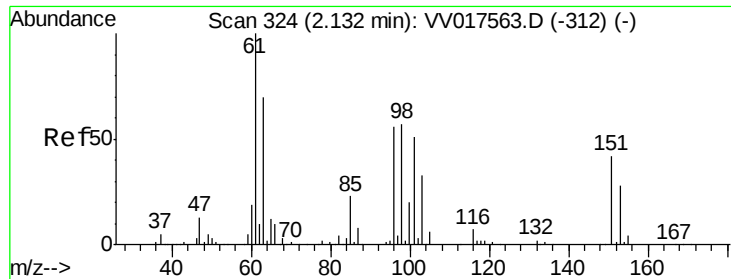


Abundance Ion 101.00 (100.70 to 101.70): VV017568.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV017568.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV017568.D (-311) (-)





#12

1,1-Dichloroethene

Concen: 9.531 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017568.D

Acq: 21 Jul 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

PMW-2DL

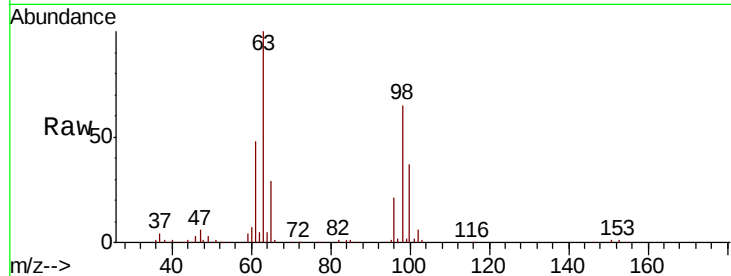
Tot Ion: 96 Resp: 17840

Ion Ratio Lower Upper

96 100

61 228.7 124.5 231.3

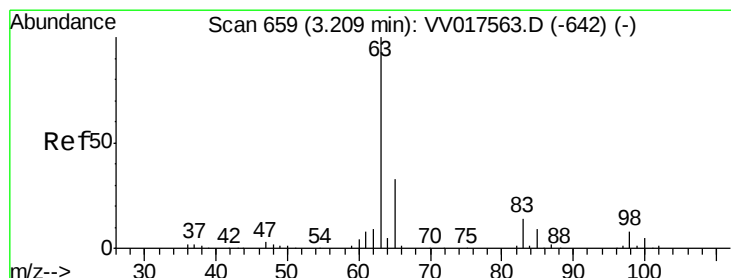
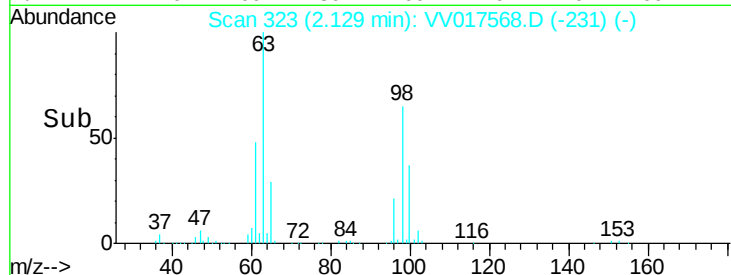
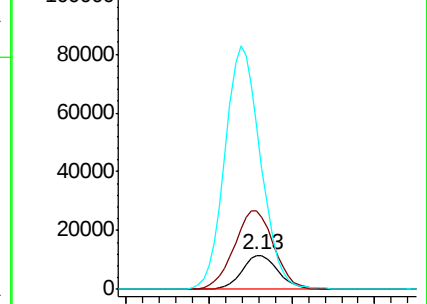
63 478.1 89.0 165.4#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#19

1,1-Dichloroethane

Concen: 65.638 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV017568.D

Acq: 21 Jul 2020 16:59

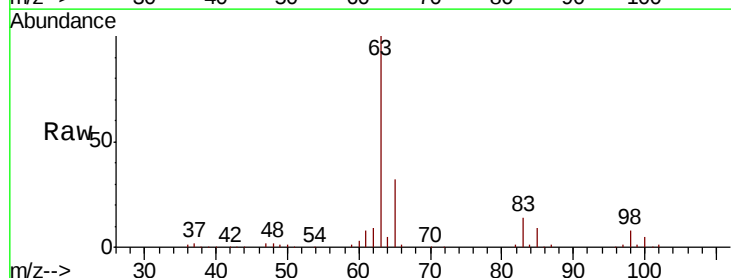
Tgt Ion: 63 Resp: 277068

Ion Ratio Lower Upper

63 100

65 31.9 23.0 42.8

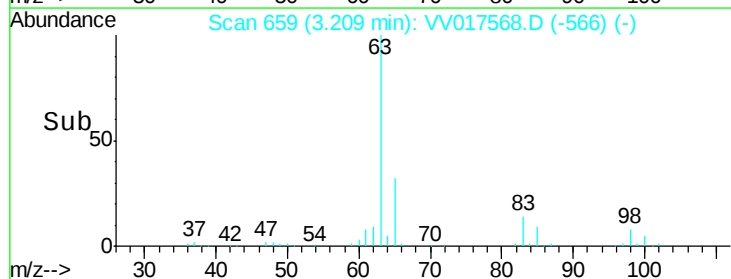
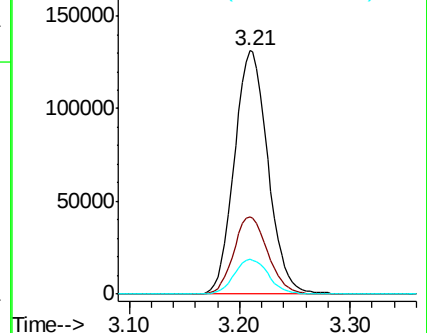
83 14.4 9.9 18.5

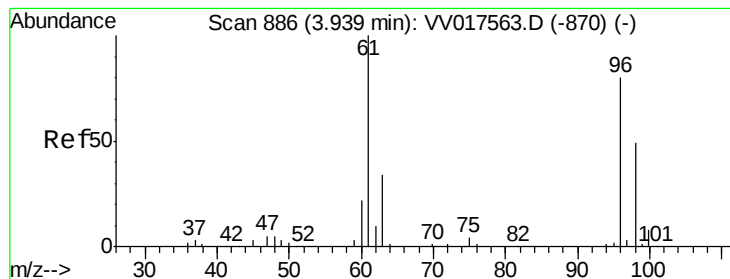


Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0





#20

cis-1,2-Dichloroethene

Concen: 10.866 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV017568.D

Acq: 21 Jul 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

PMW-2DL

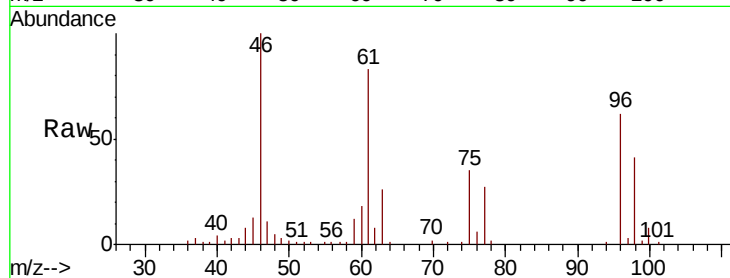
Tot Ion: 96 Resp: 27334

Ion Ratio Lower Upper

96 100

61 134.6 87.8 163.2

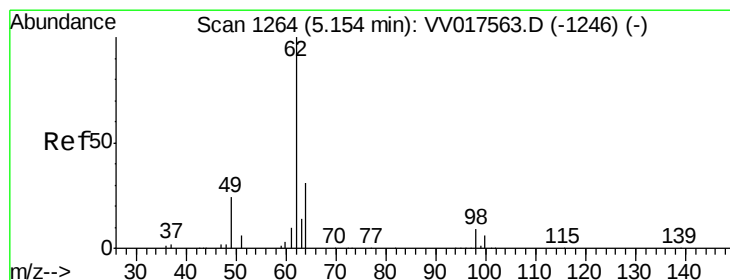
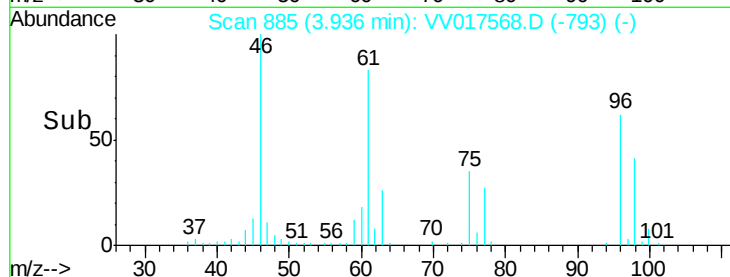
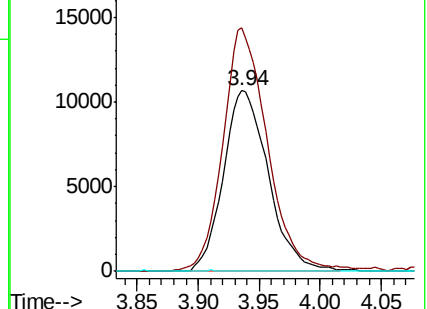
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0



#27

1,2-Dichloroethane

Concen: 1.005 ug/L

RT: 5.16 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VV017568.D

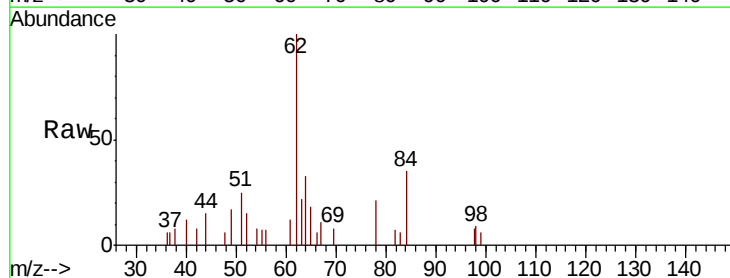
Acq: 21 Jul 2020 16:59

Tgt Ion: 62 Resp: 3881

Ion Ratio Lower Upper

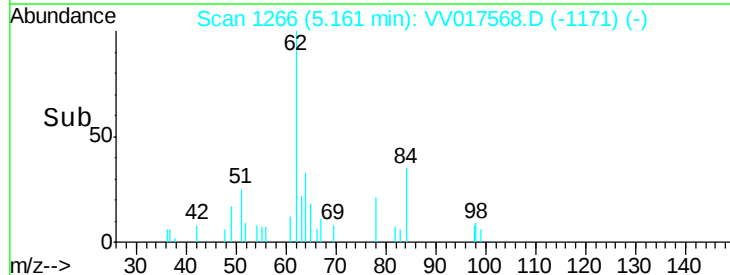
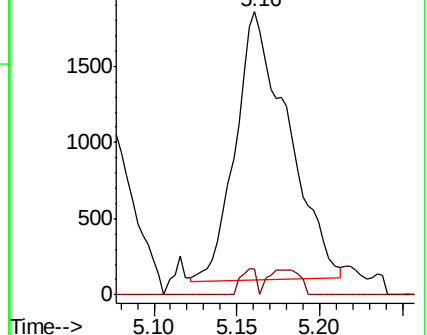
62 100

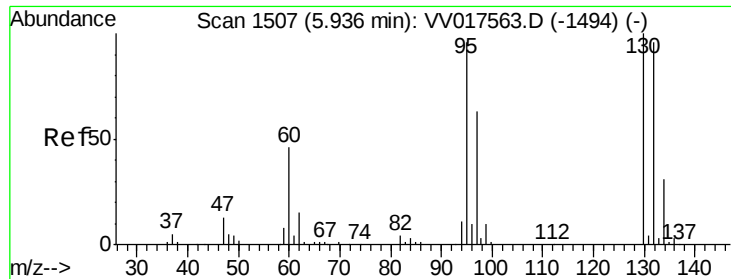
98 9.3 7.1 10.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#34

Trichloroethene

Concen: 13.601 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017568.D

Acq: 21 Jul 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

PMW-2DL

Tot Ion: 95 Resp: 34484

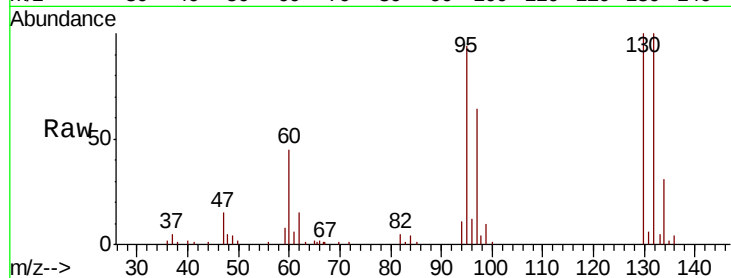
Ion Ratio Lower Upper

95 100

97 68.3 45.8 85.2

132 105.9 70.3 130.5

130 105.8 72.9 135.3

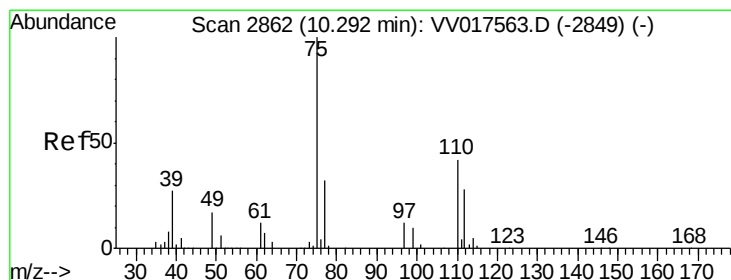
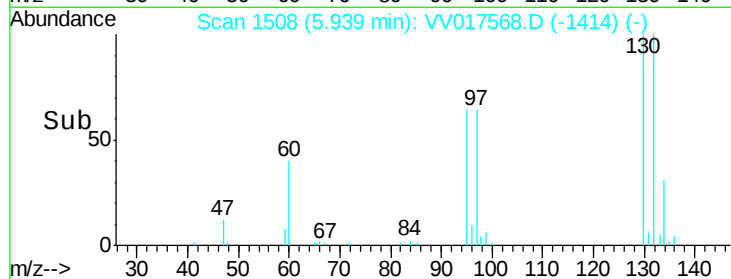
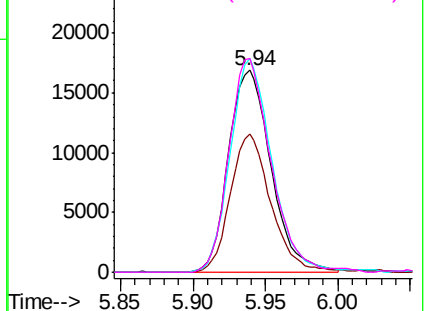


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#59

1,2,3-Trichloropropane

Concen: 5.828 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV017568.D

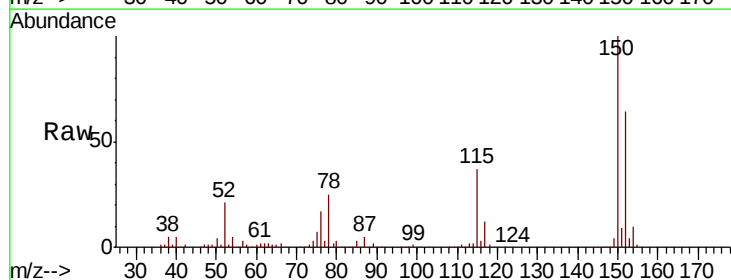
Acq: 21 Jul 2020 16:59

Tgt Ion: 75 Resp: 18053

Ion Ratio Lower Upper

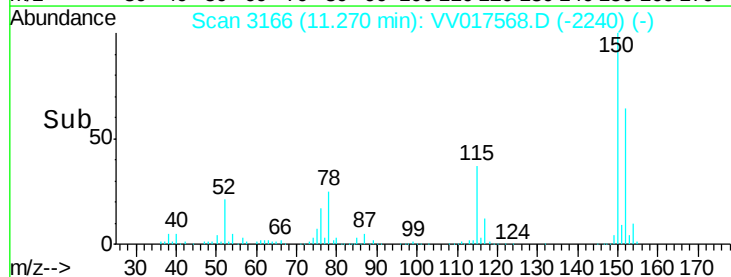
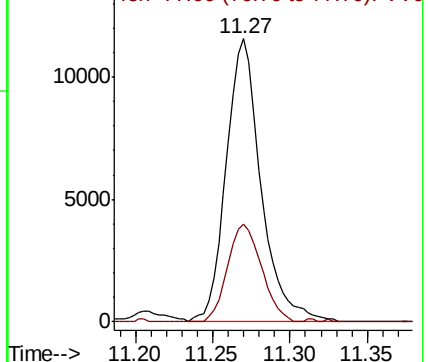
75 100

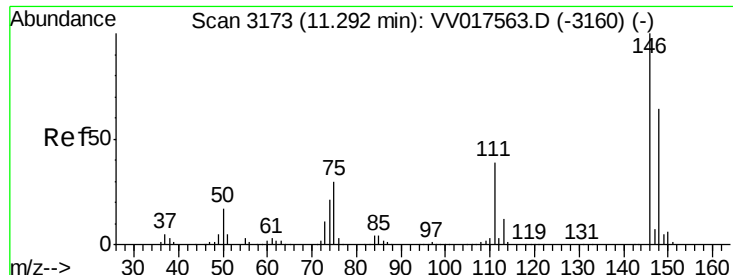
77 33.4 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#63

1,4-Dichlorobenzene

Concen: 0.611 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV017568.D

Acq: 21 Jul 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

PMW-2DL

Tot Ion:146 Resp: 3159

Ion Ratio Lower Upper

146 100

111 29.6 27.3 50.7

148 61.7 45.1 83.9

