

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033120\
 Data File : VV015309.D
 Acq On : 31 Mar 2020 13:22
 Operator : SY/MD
 Sample : L1975-21RE
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 01 01:24:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 01 01:17:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	467427	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	458954	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	193646	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	178722	52.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.88%
7) Chloroethane-d5	1.58	69	176090	55.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.04%
11) 1,1-Dichloroethene-d2	1.94	63	149	0.02	ug/L	-0.18
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.04%#
21) 2-Butanone-d5	3.93	46	248951	111.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.70%
24) Chloroform-d	4.38	84	330021	53.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.72%
26) 1,2-Dichloroethane-d4	5.06	65	235185	58.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.44%
32) Benzene-d6	5.08	84	664205	55.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.88%
36) 1,2-Dichloropropane-d6	6.09	67	212084	56.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	113.22%
41) Toluene-d8	7.34	98	637157	54.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.94%
43) trans-1,3-Dichloropropene-	7.64	79	109494	53.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.34%
47) 2-Hexanone-d5	8.12	63	195030	110.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.96%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	302472	54.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	216920	56.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.56%

Target Compounds

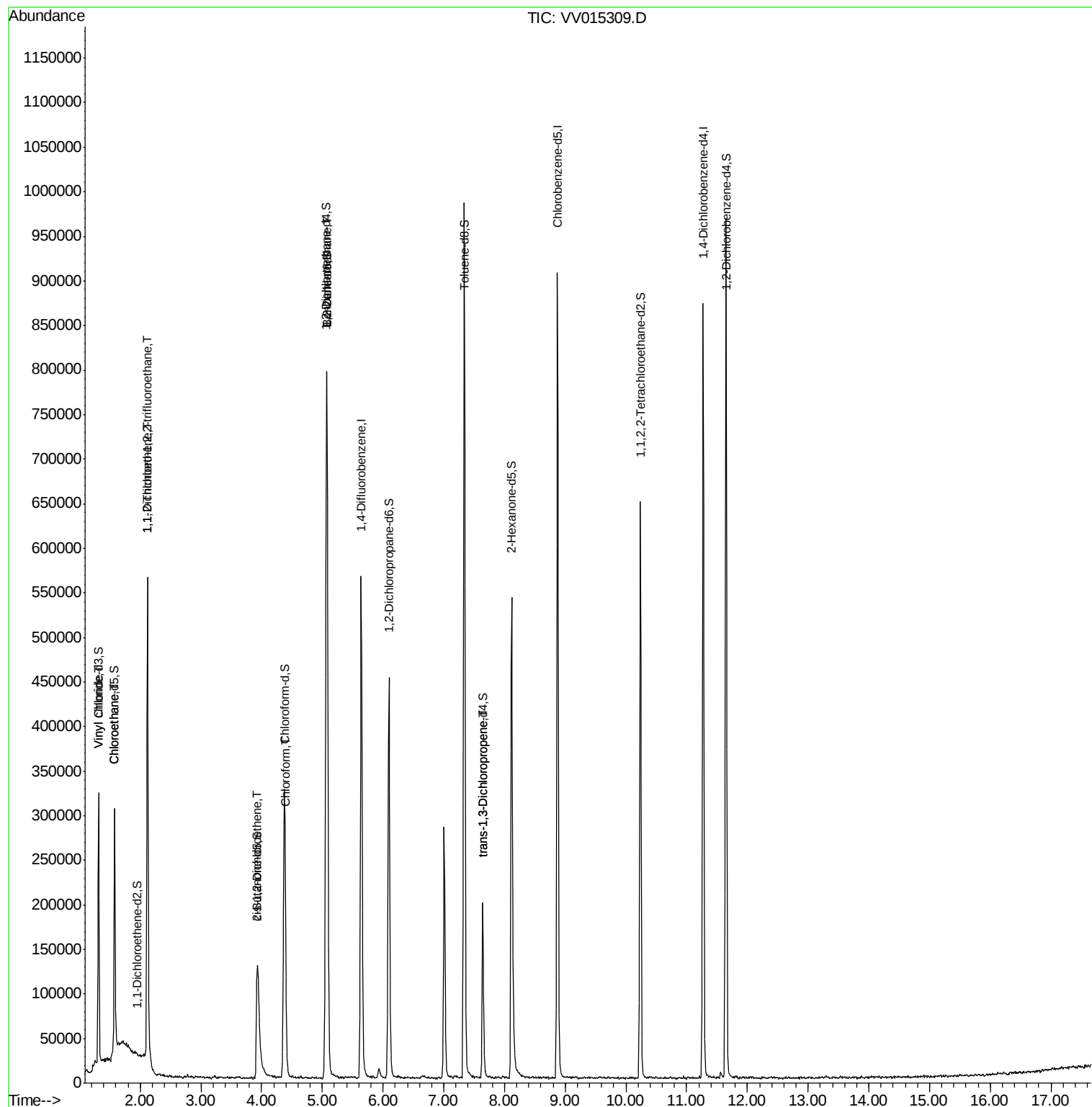
					Ovalue
5) Vinyl chloride	1.32	62	10327	2.621 ug/L #	59
8) Chloroethane	1.58	64	27158	9.996 ug/L #	58
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	3054	0.855 ug/L #	25
12) 1,1-Dichloroethene	2.12	96	2969	0.859 ug/L #	1
20) cis-1,2-Dichloroethene	3.94	96	7881	2.420 ug/L #	92
25) Chloroform	4.40	83	4400	0.763 ug/L	91
27) 1,2-Dichloroethane	5.07	62	4165	0.908 ug/L	100
44) trans-1,3-Dichloropropene	7.64	75	4905	0.956 ug/L	91

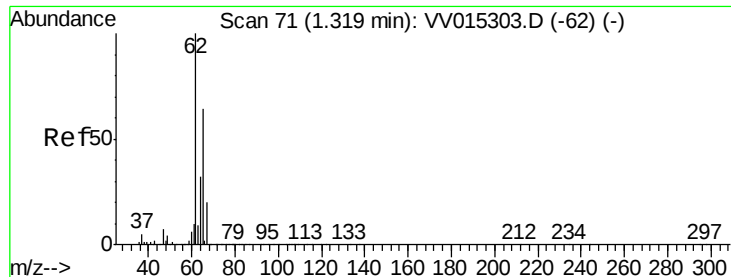
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 01 01:17:34 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.621 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015309.D

Acq: 31 Mar 2020 13:22

Instrument :

MSVOA_V

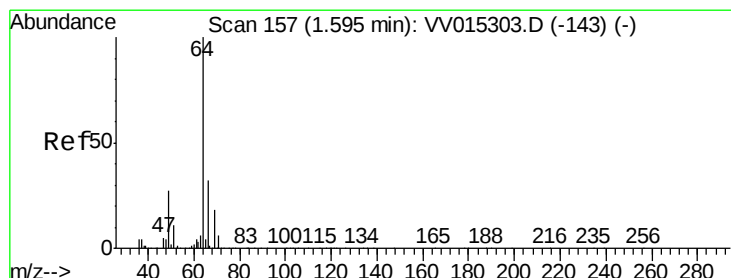
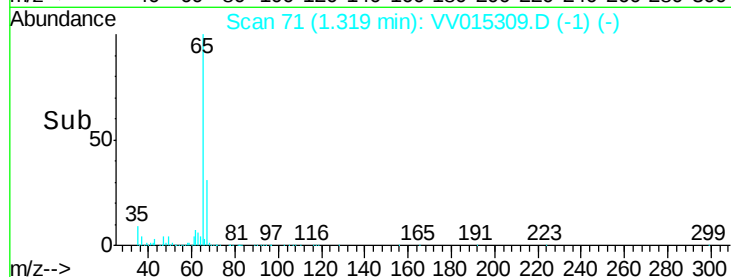
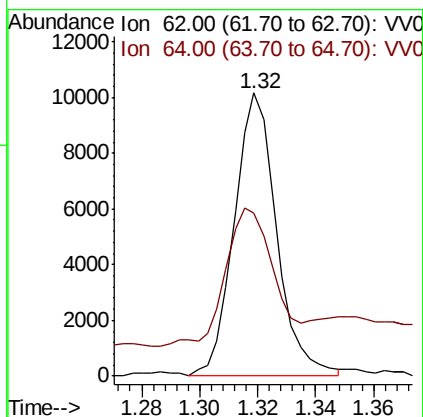
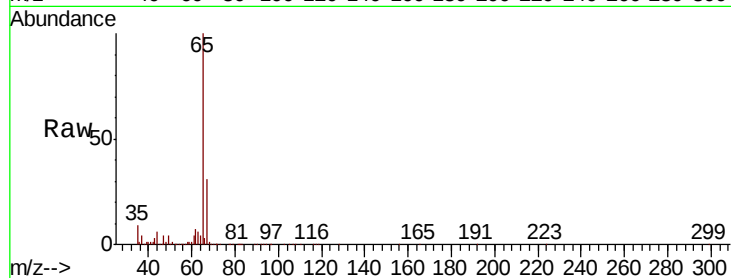
ClientSampleId :

Tot Ion: 62 Resp: 10327

Ion Ratio Lower Upper

62 100

64 57.4 23.9 44.3#



#8

Chloroethane

Concen: 9.996 ug/L

RT: 1.58 min Scan# 152

Delta R.T. -0.02 min

Lab File: VV015309.D

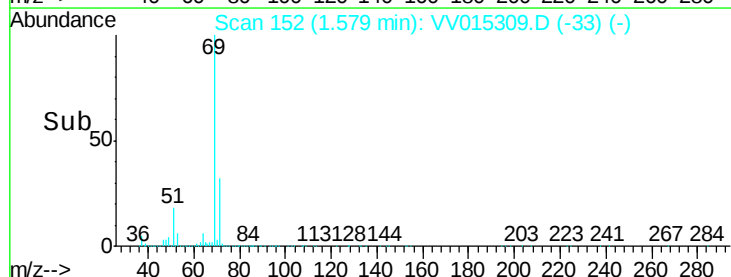
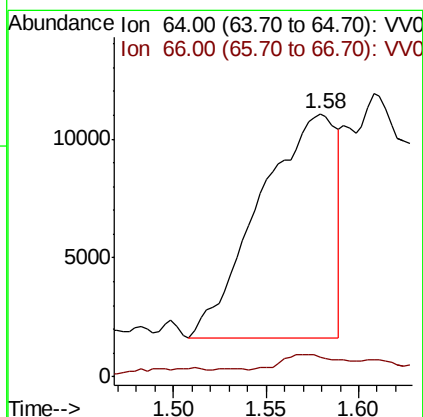
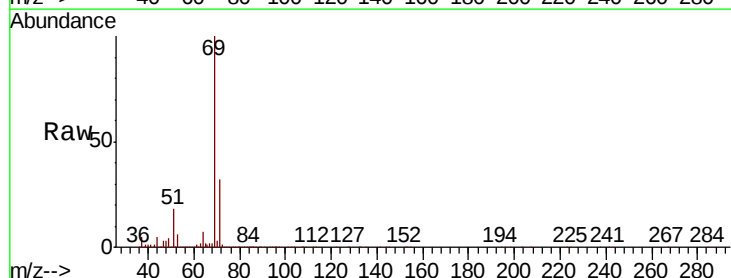
Acq: 31 Mar 2020 13:22

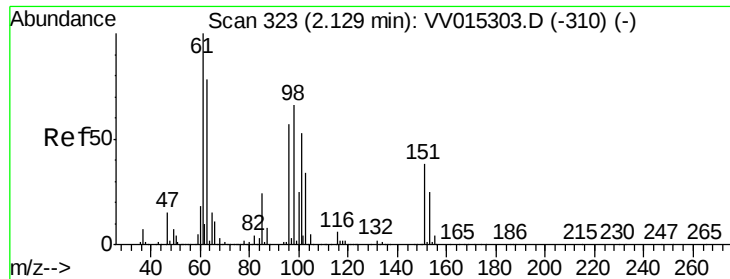
Tgt Ion: 64 Resp: 27158

Ion Ratio Lower Upper

64 100

66 7.7 21.5 39.9#





#10

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

Concen: 0.855 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV015309.D

Acq: 31 Mar 2020 13:22

Instrument :

MSVOA_V

ClientSampled :

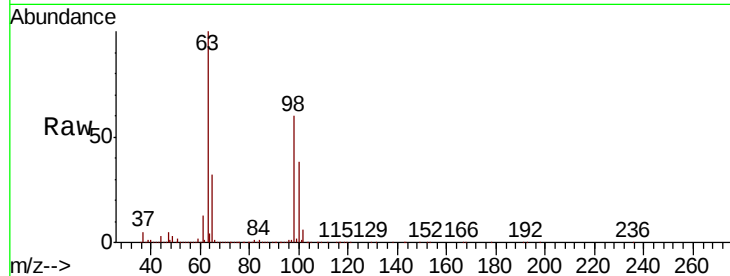
Tot Ion:101 Resp: 3054

Ion Ratio Lower Upper

101 100

85 8.2 35.0 52.6#

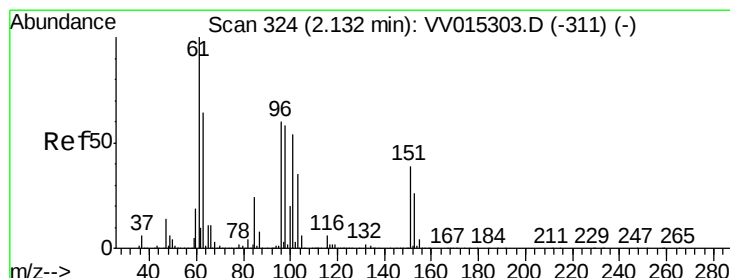
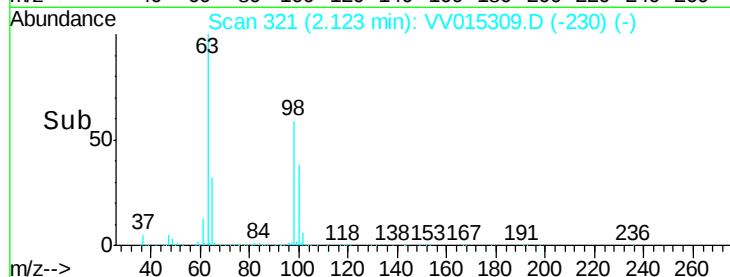
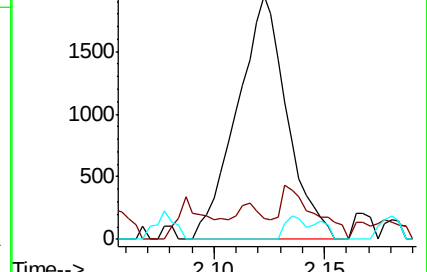
151 0.0 58.2 87.4#



Abundance Ion 101.00 (100.70 to 101.70): VV015303.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV015303.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV015303.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 0.859 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.02 min

Lab File: VV015309.D

Acq: 31 Mar 2020 13:22

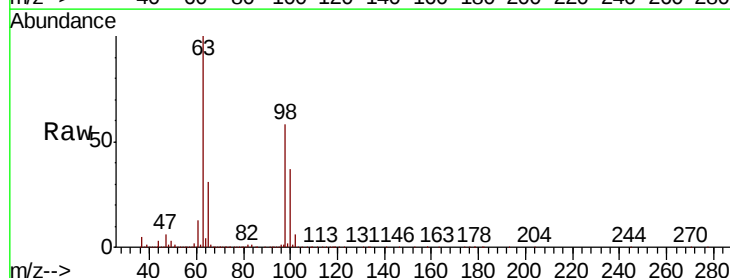
Tgt Ion: 96 Resp: 2969

Ion Ratio Lower Upper

96 100

61 1386.5 120.9 224.5#

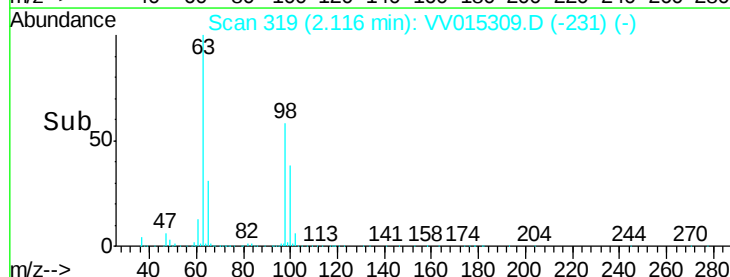
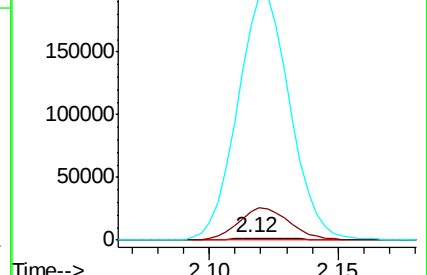
63 10654.7 81.2 150.8#

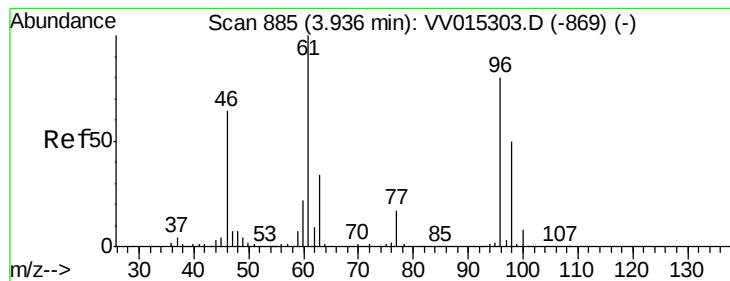


Abundance Ion 96.00 (95.70 to 96.70): VV015309.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV015309.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV015309.D (-231) (-)



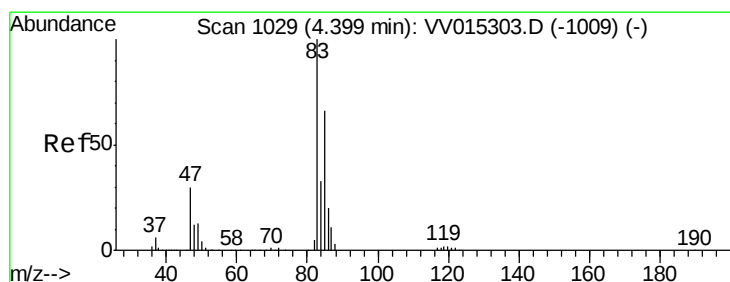
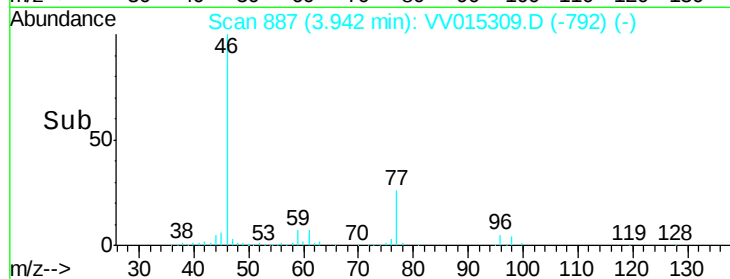
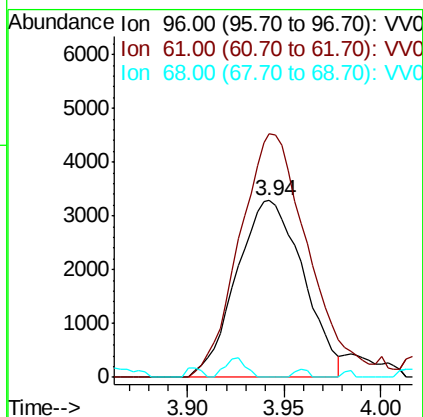
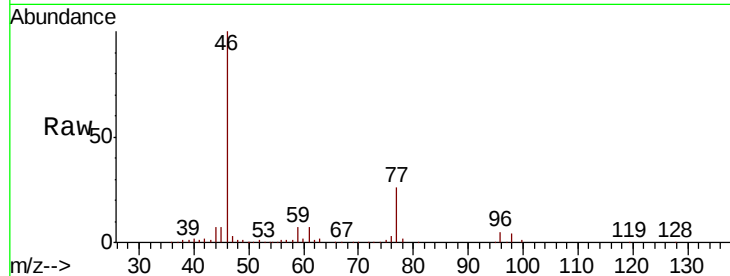


#20

cis-1,2-Dichloroethene
Concen: 2.420 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.01 min
Lab File: VV015309.D
Acq: 31 Mar 2020 13:22

Instrument :
MSVOA_V
ClientSampleId :

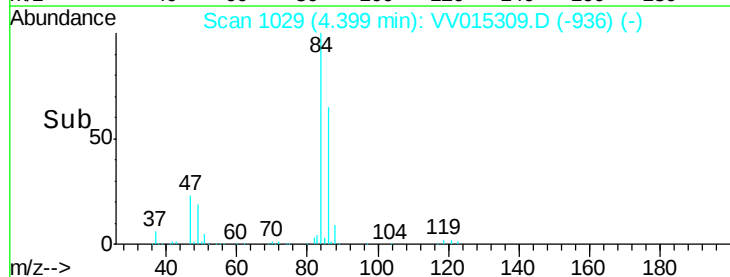
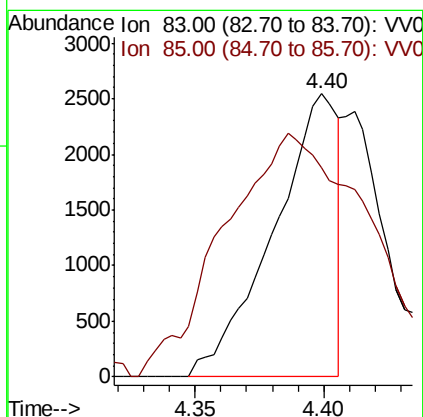
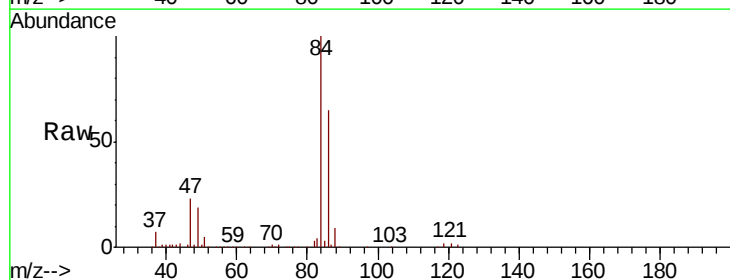
Tot Ion: 96 Resp: 7881
Ion Ratio Lower Upper
96 100
61 137.6 90.2 167.6
68 0.0 0.1 0.1#

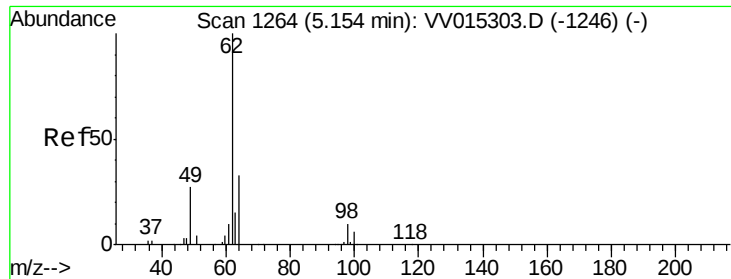


#25

Chloroform
Concen: 0.763 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV015309.D
Acq: 31 Mar 2020 13:22

Tgt Ion: 83 Resp: 4400
Ion Ratio Lower Upper
83 100
85 73.8 46.6 86.6





#27

1,2-Dichloroethane

Concen: 0.908 ug/L

RT: 5.07 min Scan# 1239

Delta R.T. -0.08 min

Lab File: VV015309.D

Acq: 31 Mar 2020 13:22

Instrument :

MSVOA_V

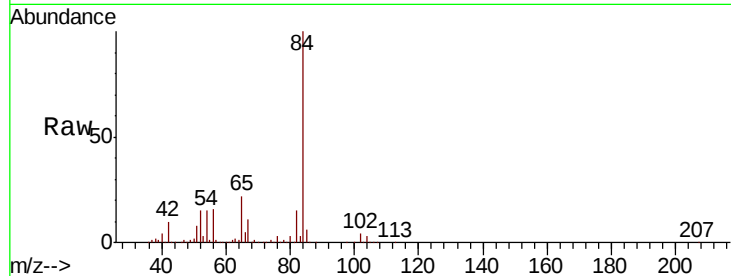
ClientSampleId :

Tot Ion: 62 Resp: 4165

Ion Ratio Lower Upper

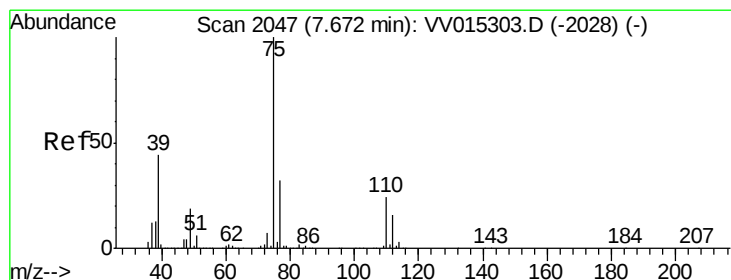
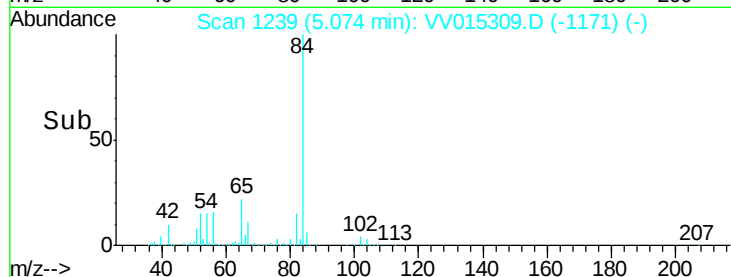
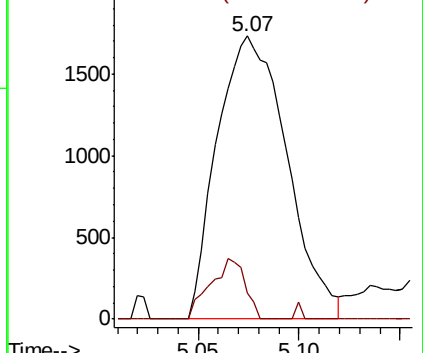
62 100

98 9.4 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.956 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV015309.D

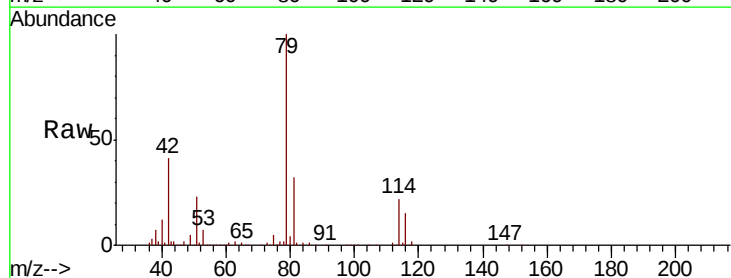
Acq: 31 Mar 2020 13:22

Tgt Ion: 75 Resp: 4905

Ion Ratio Lower Upper

75 100

77 36.1 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

