

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011420\
 Data File : VV014292.D
 Acq On : 14 Jan 2020 13:14
 Operator : SY/MD
 Sample : L1109-21
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 14 22:22:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 14 22:19:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	1069749	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	963024	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	435941	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	279232	3.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.60%
7) Chloroethane-d5	1.59	69	238084	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.40%
11) 1,1-Dichloroethene-d2	2.13	63	357025	3.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.60%
20) 2-Butanone-d5	3.94	46	811277	45.12	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.24%
24) Chloroform-d	4.40	84	615430	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
26) 1,2-Dichloroethane-d4	5.08	65	305412	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
32) Benzene-d6	5.09	84	1273646	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.11	67	402856	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	7.35	98	1127249	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
43) trans-1,3-Dichloropropene-	7.66	79	154681	3.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.40%
46) 2-Hexanone-d5	8.13	63	717683	43.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.02%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	268093	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	370648	4.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.60%

Target Compounds

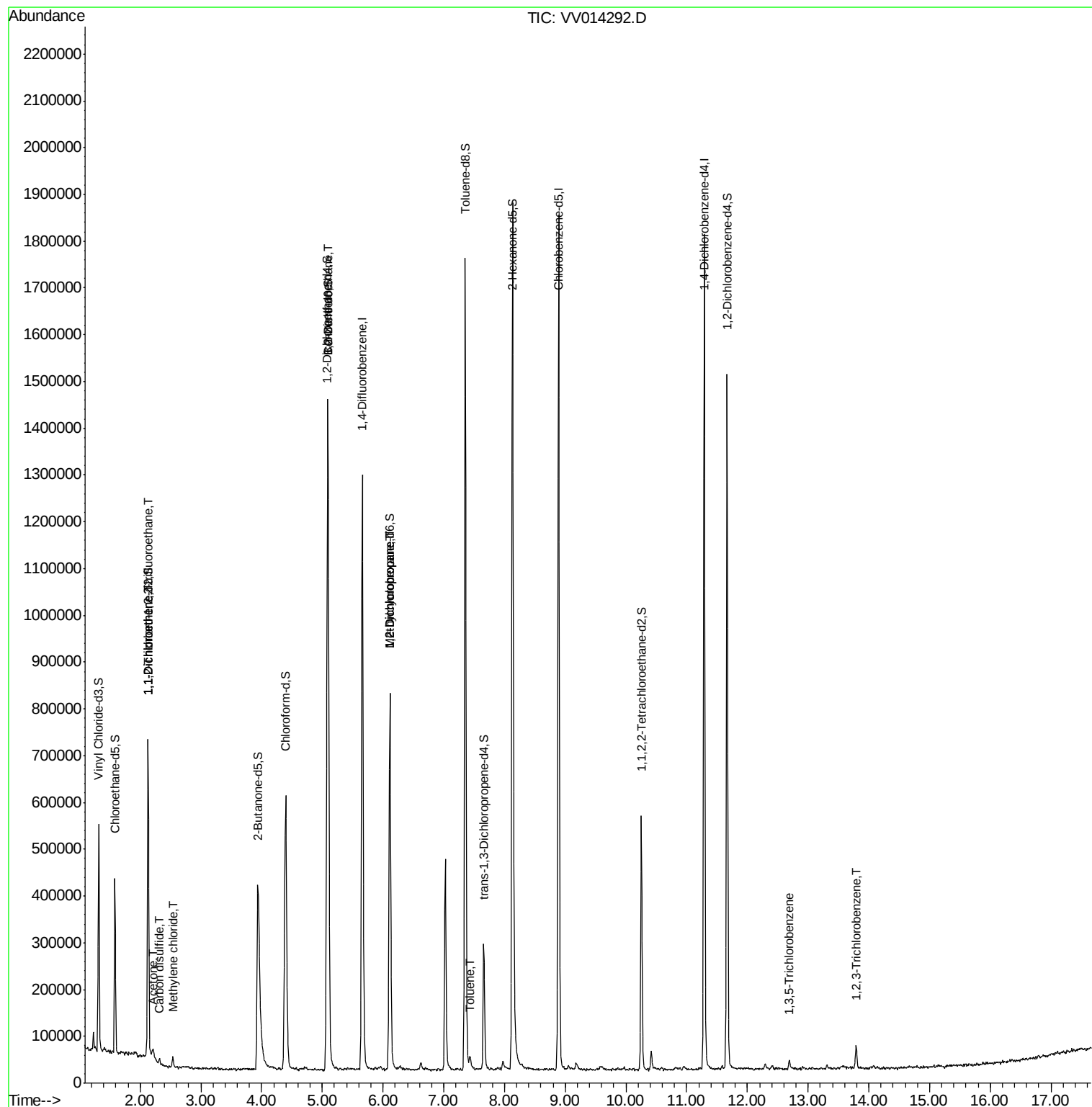
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3433	0.072 ug/L #	47
12) 1,1-Dichloroethene	2.13	96	3470	0.073 ug/L #	1
13) Acetone	2.21	43	20993	1.695 ug/L	99
14) Carbon disulfide	2.32	76	14834	0.070 ug/L	97
16) Methylene chloride	2.54	84	9743	0.125 ug/L	91
27) 1,2-Dichloroethane	5.09	62	7720	0.096 ug/L	99
35) Methylcyclohexane	6.11	83	93668	0.752 ug/L #	20
37) 1,2-Dichloropropane	6.11	63	42189	0.564 ug/L #	86
42) Toluene	7.43	91	20536	0.066 ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	6034	0.061 ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	13000	0.170 ug/L	94

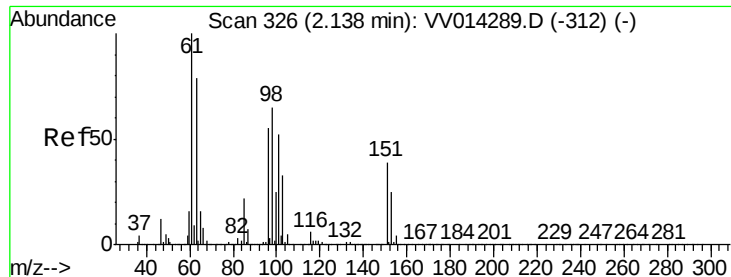
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.072 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014292.D

Acq: 14 Jan 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

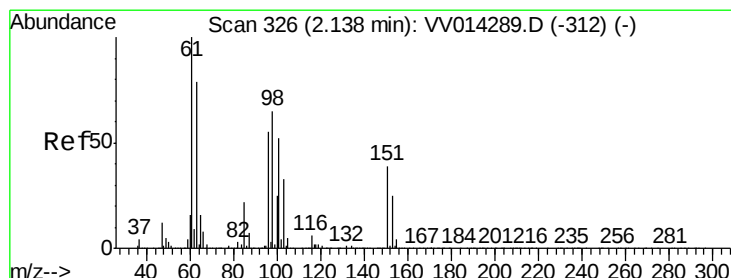
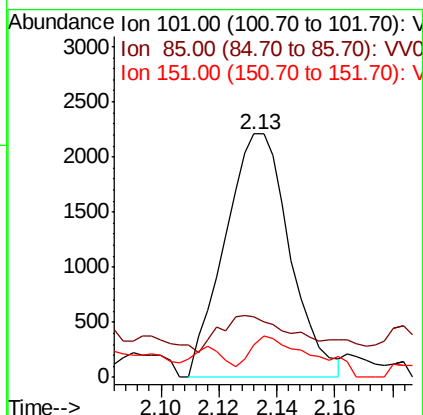
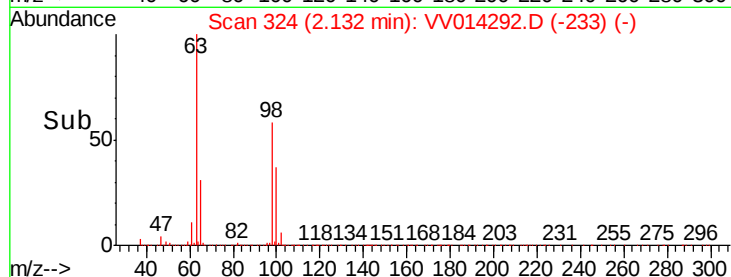
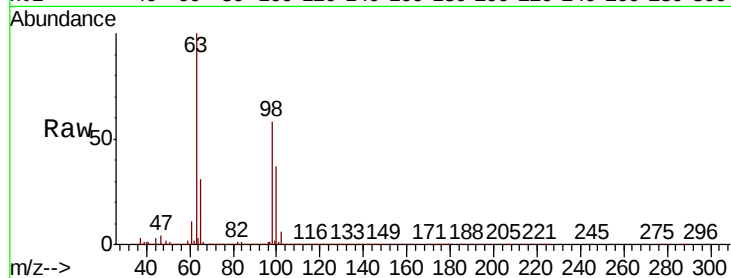
Tot Ion:101 Resp: 3433

Ion Ratio Lower Upper

101 100

85 30.7 34.9 52.3#

151 16.1 62.5 93.7#



#12

1,1-Dichloroethene

Concen: 0.073 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV014292.D

Acq: 14 Jan 2020 13:14

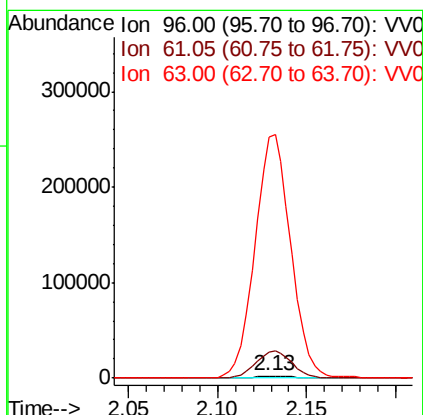
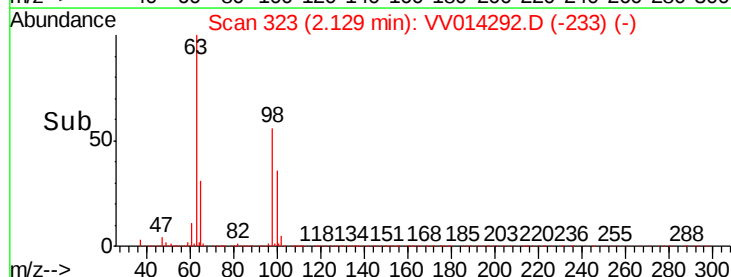
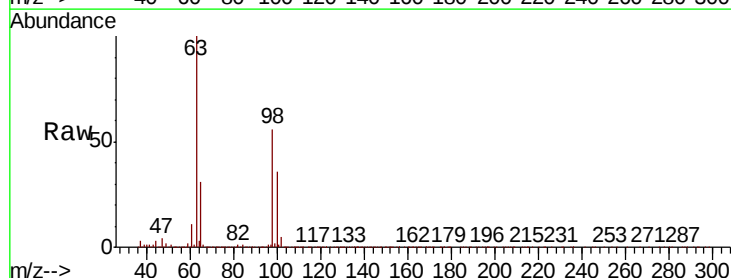
Tgt Ion: 96 Resp: 3470

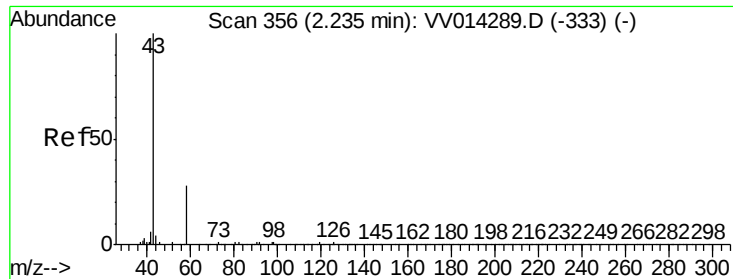
Ion Ratio Lower Upper

96 100

61 1203.7 121.5 225.7#

63 11096.5 90.3 167.7#





#13

Acetone

Concen: 1.695 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.02 min

Lab File: VV014292.D

Acq: 14 Jan 2020 13:14

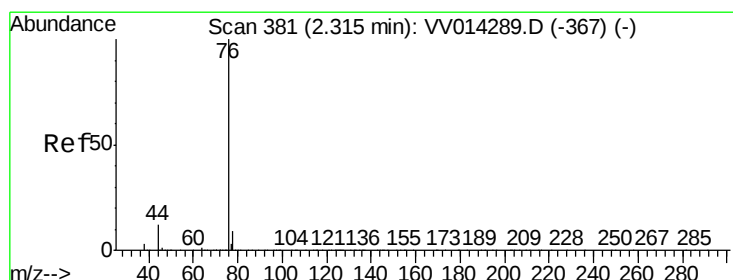
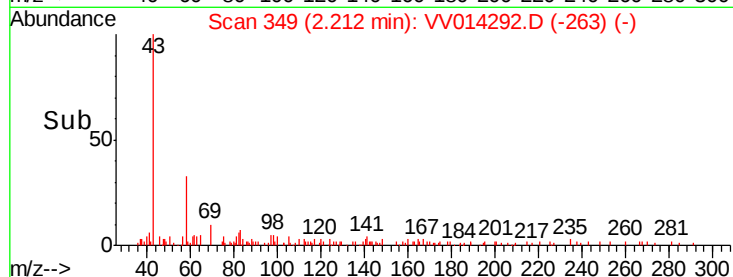
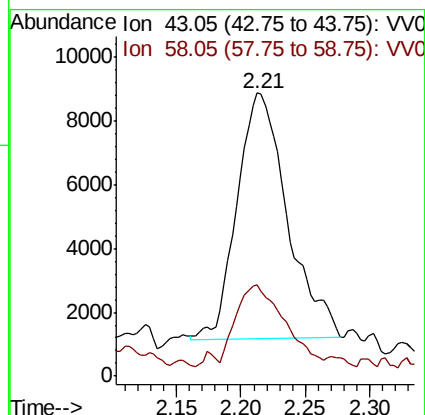
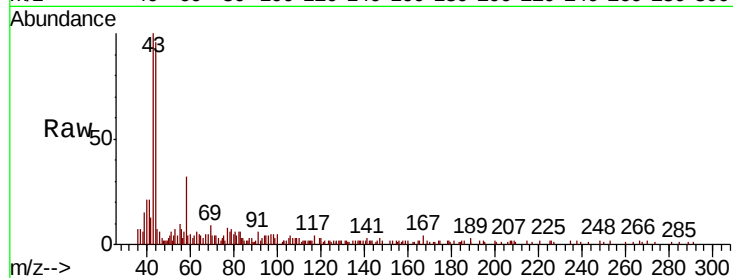
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 20993

Ion Ratio Lower Upper

43 100

58 32.4 0.0 66.0



#14

Carbon disulfide

Concen: 0.070 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014292.D

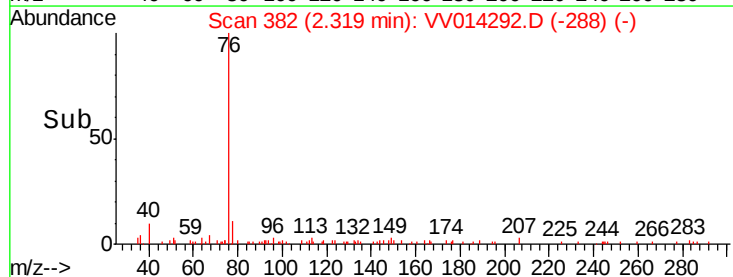
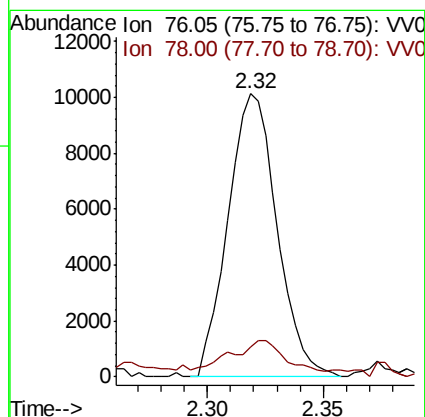
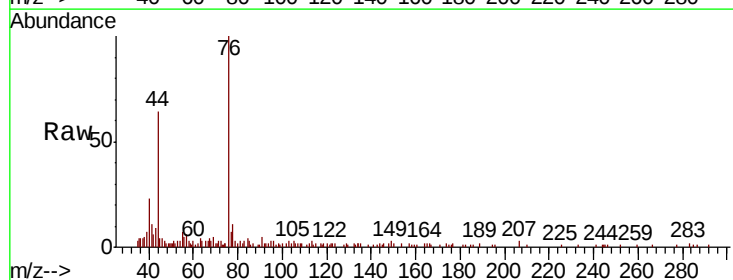
Acq: 14 Jan 2020 13:14

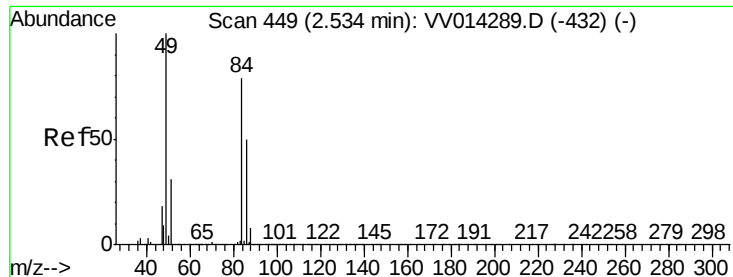
Tgt Ion: 76 Resp: 14834

Ion Ratio Lower Upper

76 100

78 10.7 7.5 11.3

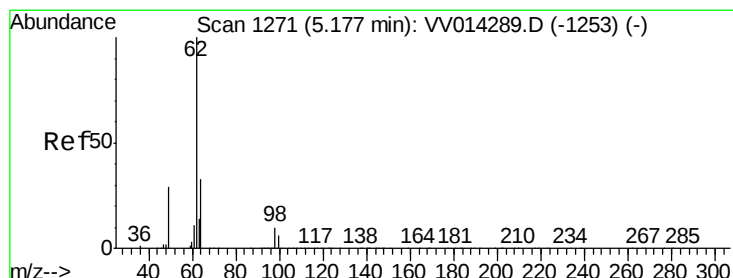
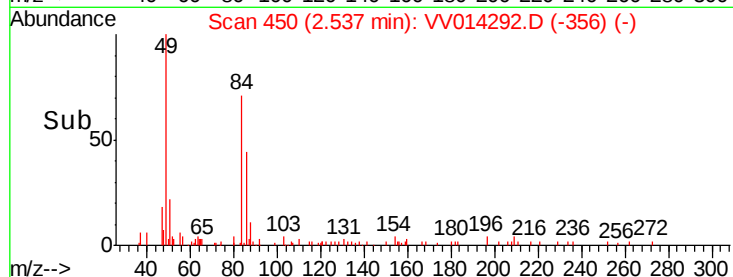
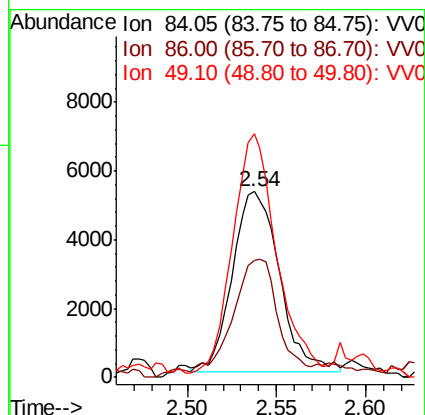
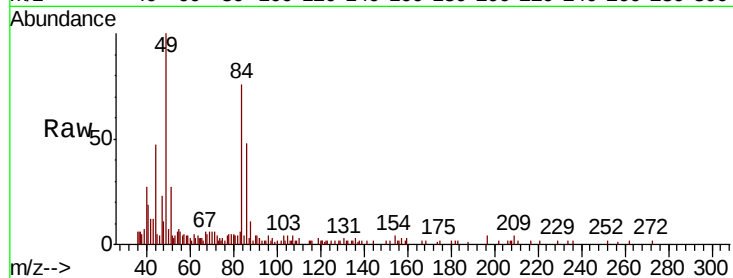




#16
Methvlene chloride
Concen: 0.125 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014292.D
Acq: 14 Jan 2020 13:14

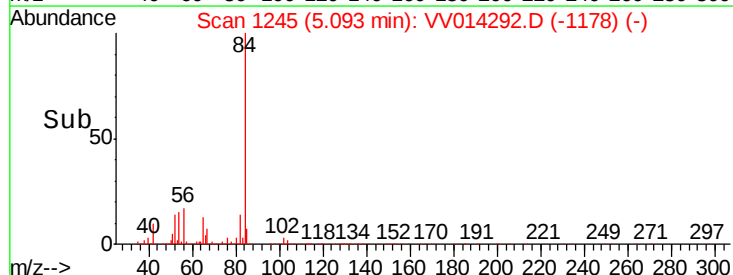
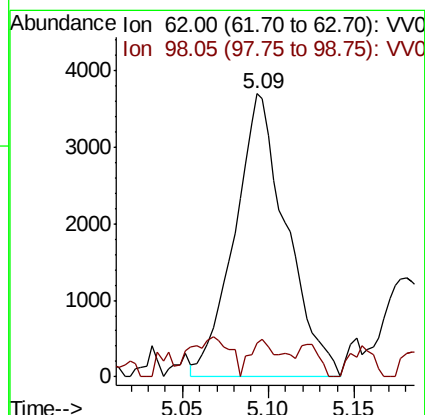
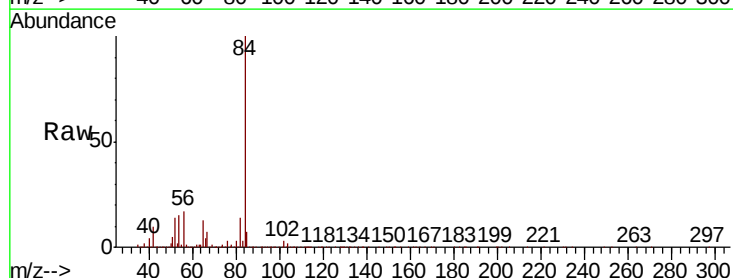
Instrument :
MSVOA_V
ClientSampleId :

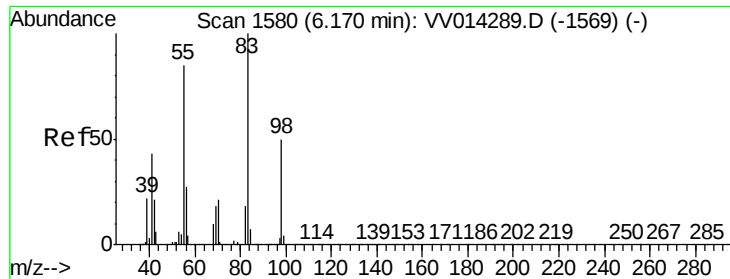
Tot Ion: 84 Resp: 9743
Ion Ratio Lower Upper
84 100
86 63.2 43.1 80.1
49 131.3 82.1 152.5



#27
1,2-Dichloroethane
Concen: 0.096 ug/L
RT: 5.09 min Scan# 1245
Delta R.T. -0.08 min
Lab File: VV014292.D
Acq: 14 Jan 2020 13:14

Tgt Ion: 62 Resp: 7720
Ion Ratio Lower Upper
62 100
98 11.8 9.2 13.8





#35

Methylcyclohexane

Concen: 0.752 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV014292.D

Acq: 14 Jan 2020 13:14

Instrument :
MSVOA_V
ClientSampleId :

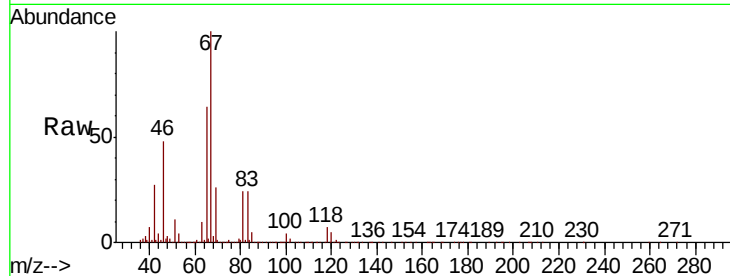
Tot Ion: 83 Resp: 93668

Ion Ratio Lower Upper

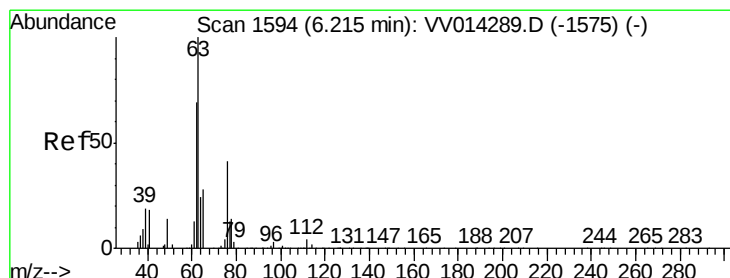
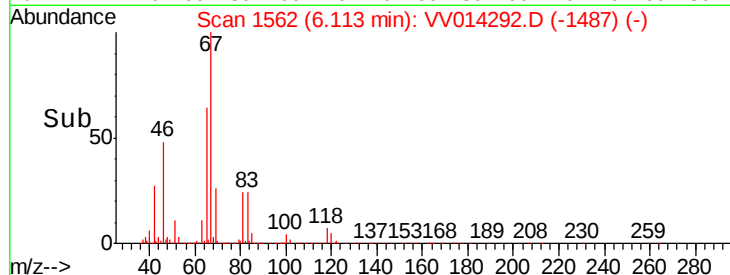
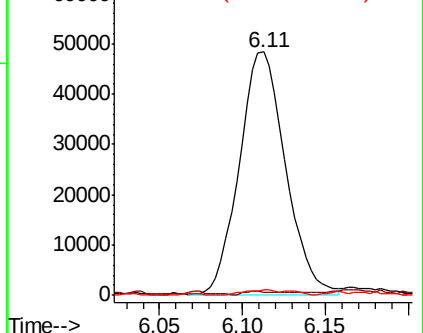
83 100

55 1.1 61.7 92.5#

98 1.6 38.1 57.1#



Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0



#37

1,2-Dichloropropane

Concen: 0.564 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV014292.D

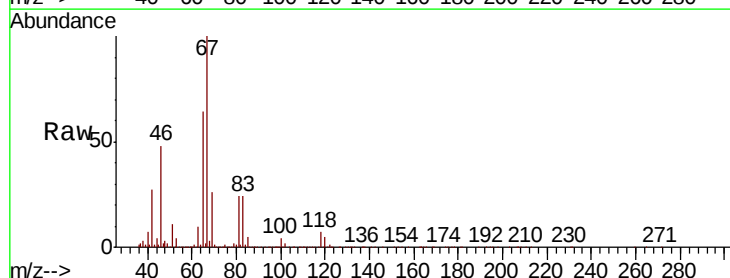
Acq: 14 Jan 2020 13:14

Tgt Ion: 63 Resp: 42189

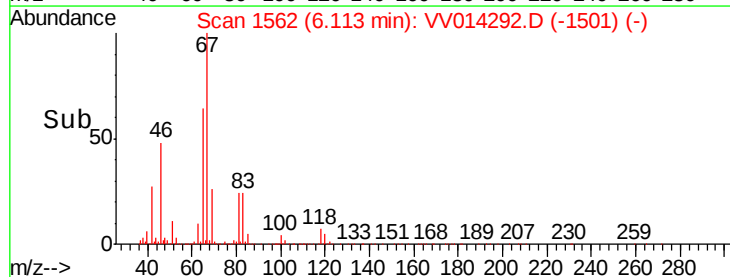
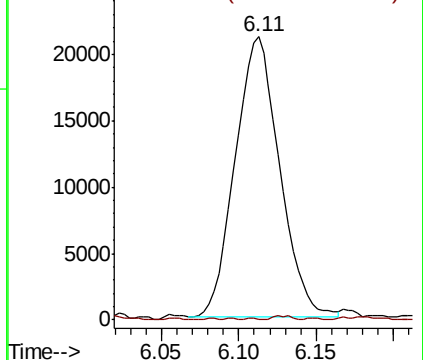
Ion Ratio Lower Upper

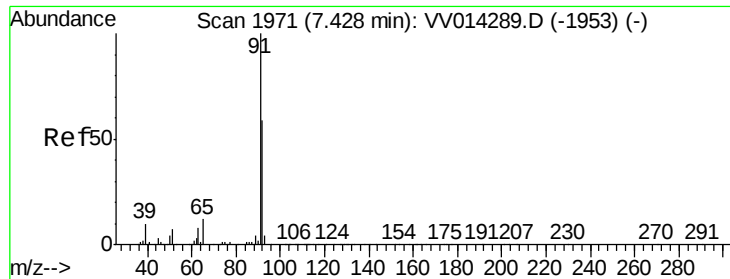
63 100

112 0.1 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.066 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV014292.D

Acq: 14 Jan 2020 13:14

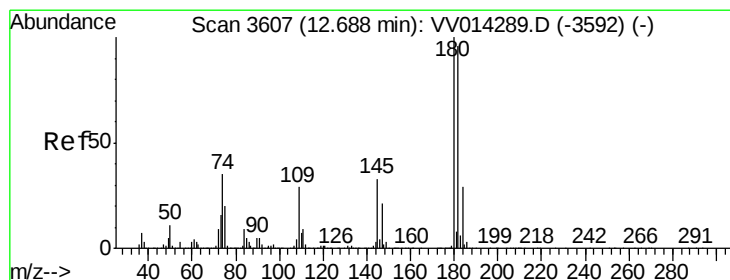
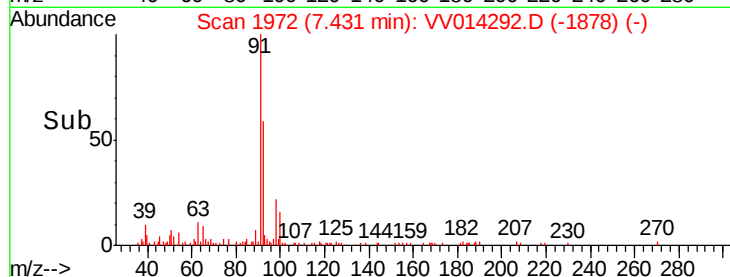
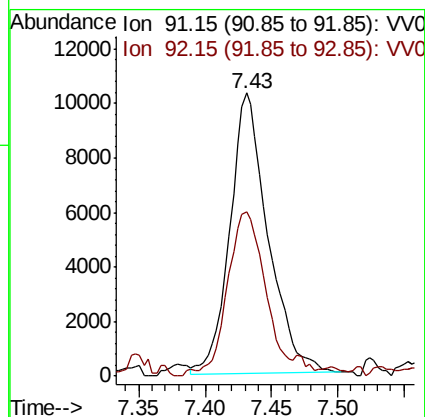
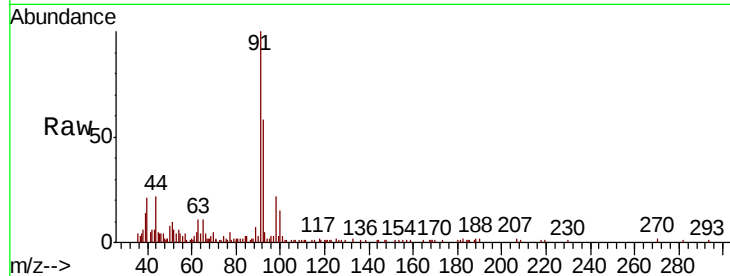
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 20536

Ion Ratio Lower Upper

91 100

92 58.2 41.2 76.6



#67

1,3,5-Trichlorobenzene

Concen: 0.061 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV014292.D

Acq: 14 Jan 2020 13:14

Tgt Ion: 180 Resp: 6034

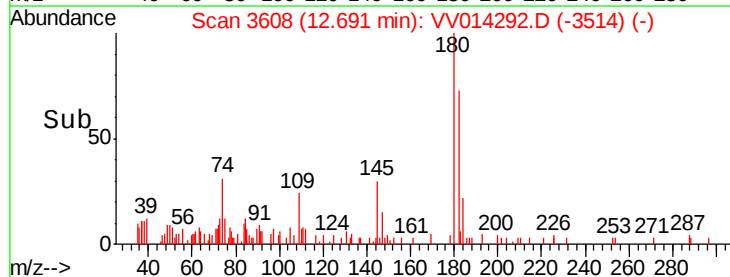
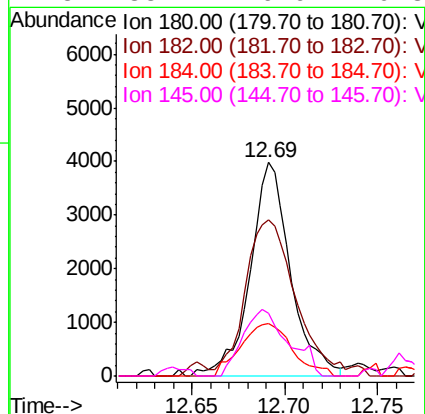
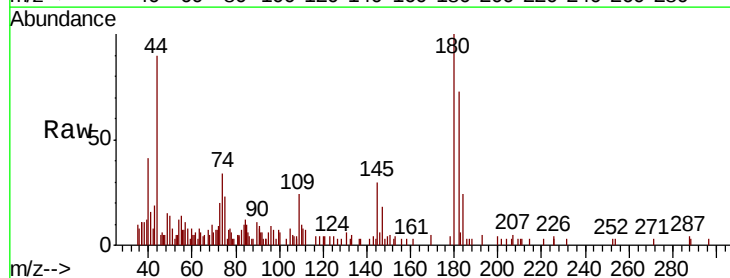
Ion Ratio Lower Upper

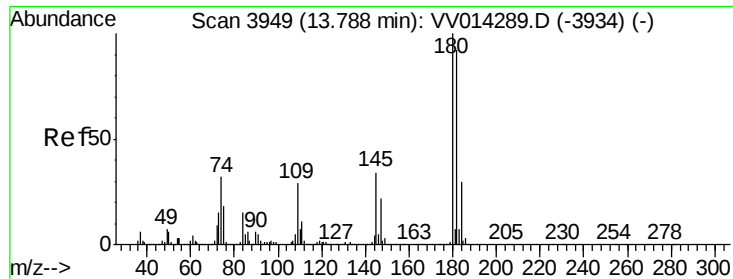
180 100

182 92.6 77.2 115.8

184 31.6 24.6 36.8

145 35.4 26.9 40.3





#70

1,2,3-Trichlorobenzene

Concen: 0.170 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV014292.D

Acq: 14 Jan 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:180 Resp: 13000

Ion Ratio Lower Upper

180 100

182 100.0 74.8 112.2

145 39.2 29.0 43.6

