

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
 Data File : VV017312.D
 Acq On : 02 Jul 2020 15:39
 Operator : SY/MD
 Sample : L3134-11
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 03 01:19:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 03 01:13:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.65	114	173262	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	164380	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	82259	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	45245	4.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.00%
7) Chloroethane-d5	1.58	69	36992	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.13	63	74375	3.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.20%
20) 2-Butanone-d5	3.93	46	97311	36.72	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	73.44%
24) Chloroform-d	4.38	84	99878	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.06	65	53232	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
32) Benzene-d6	5.08	84	184067	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	6.10	67	52959	4.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.00%
41) Toluene-d8	7.34	98	169425	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
45) trans-1,3-Dichloropropene-	7.65	79	20746	3.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.00%
48) 2-Hexanone-d5	8.11	63	64368	31.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	63.54%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	33403	3.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	66962	4.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.00%

Target Compounds

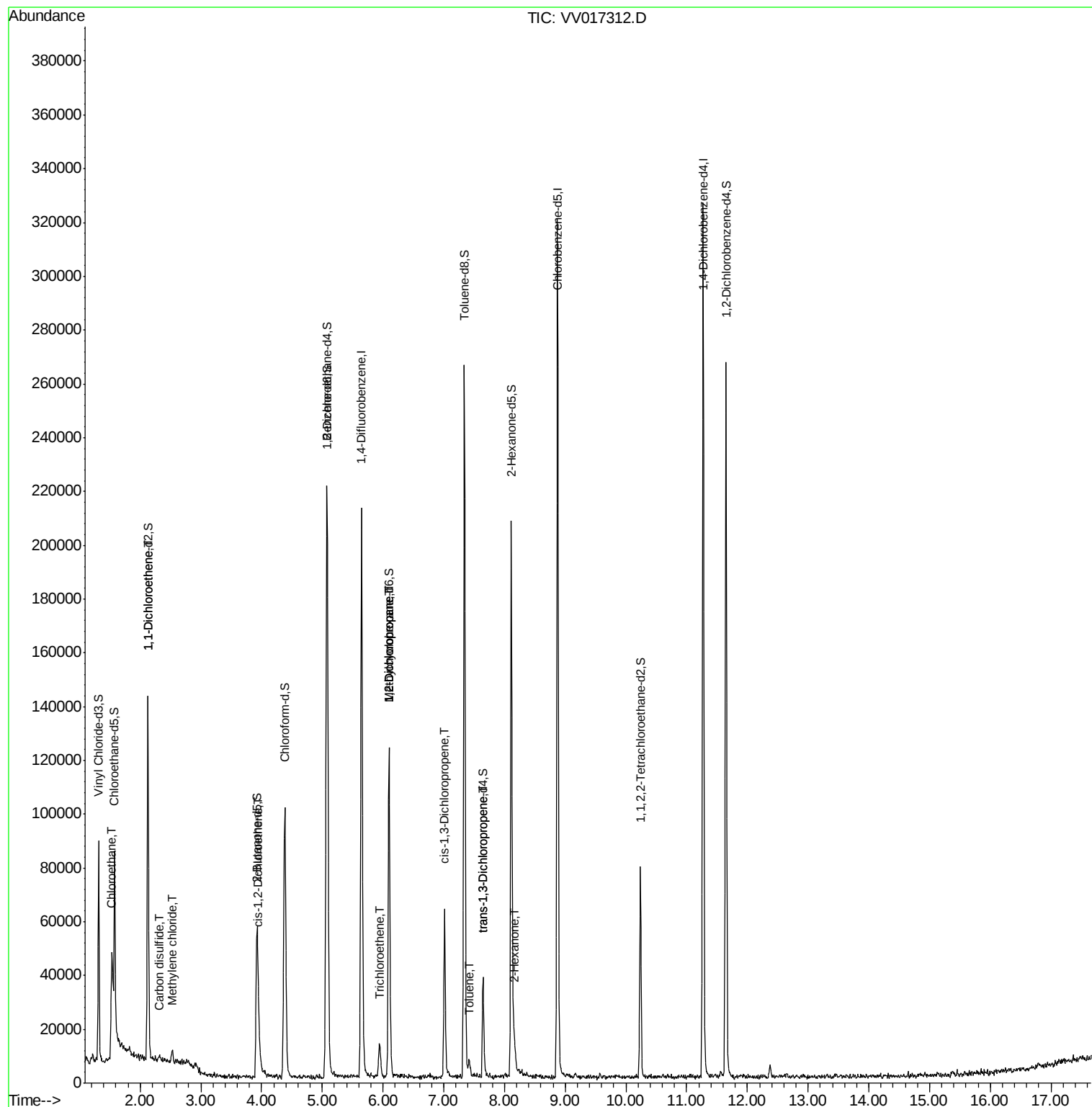
					Ovalue
8) Chloroethane	1.53	64	77732	12.371 ug/L #	51
12) 1,1-Dichloroethene	2.13	96	698	0.084 ug/L #	1
14) Carbon disulfide	2.32	76	1403	0.056 ug/L #	40
16) Methylene chloride	2.52	84	1685	0.189 ug/L #	70
22) cis-1,2-Dichloroethene	3.95	96	1013	0.084 ug/L #	56
34) Trichloroethene	5.94	95	3893	0.309 ug/L	93
35) Methylcyclohexane	6.10	83	14181	0.724 ug/L #	19
37) 1,2-Dichloropropane	6.10	63	6959	0.653 ug/L #	85
39) cis-1,3-Dichloropropene	7.01	75	1994	0.126 ug/L #	75
42) Toluene	7.42	91	3679	0.074 ug/L	97
46) trans-1,3-Dichloropropene	7.65	75	1133	0.083 ug/L #	76
50) 2-Hexanone	8.16	43	6109	1.395 ug/L #	90

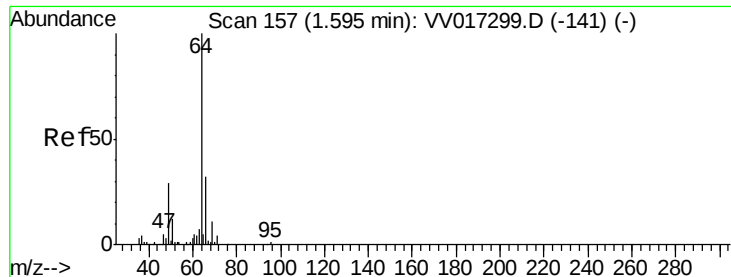
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 03 01:13:36 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 12.371 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.06 min

Lab File: VV017312.D

Acq: 02 Jul 2020 15:39

Instrument :

MSVOA_V

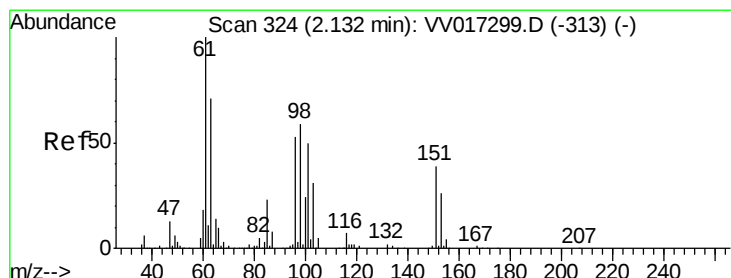
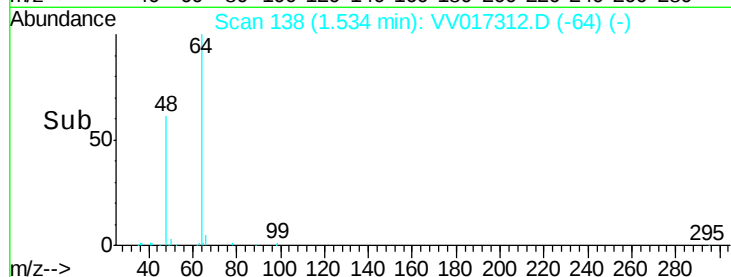
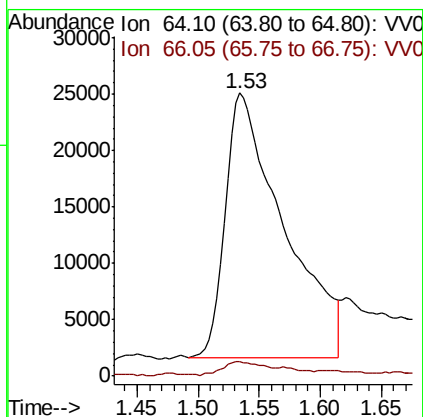
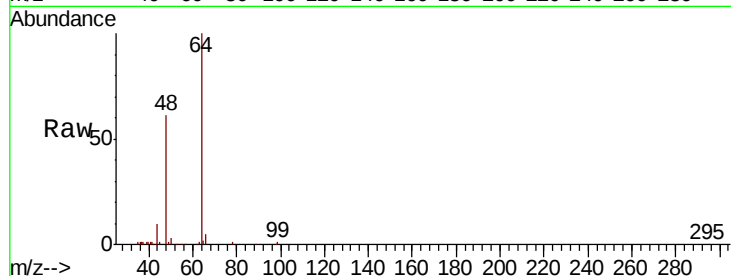
ClientSampled :

Tot Ion: 64 Resp: 77732

Ion Ratio Lower Upper

64 100

66 5.2 22.8 42.4#



#12

1,1-Dichloroethene

Concen: 0.084 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017312.D

Acq: 02 Jul 2020 15:39

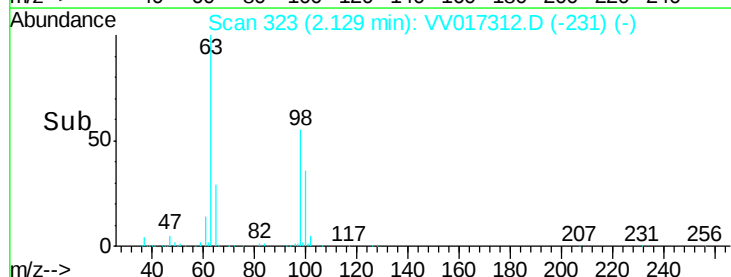
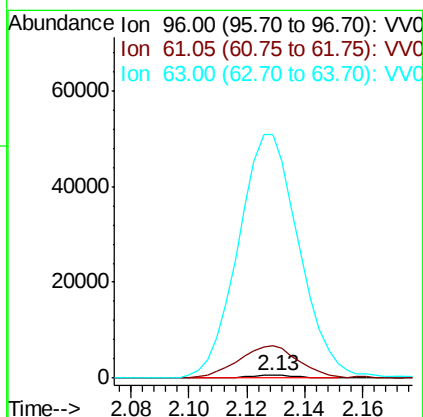
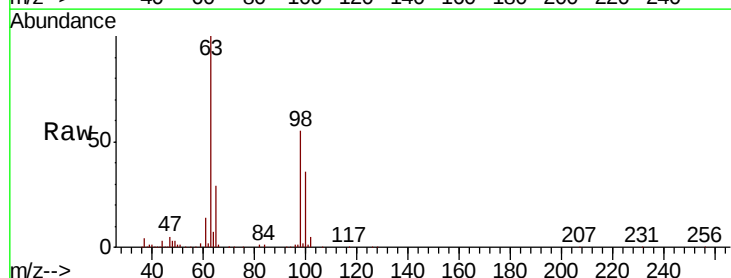
Tgt Ion: 96 Resp: 698

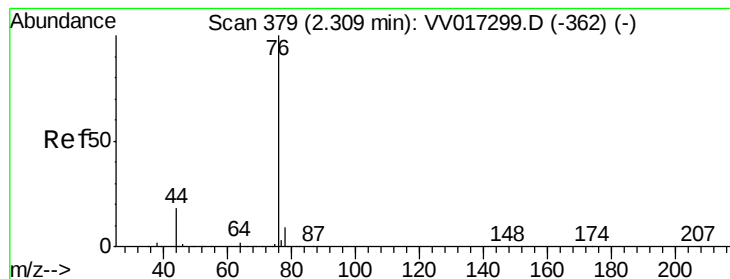
Ion Ratio Lower Upper

96 100

61 1268.3 125.0 232.2#

63 9343.6 109.8 203.8#





#14

Carbon disulfide

Concen: 0.056 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV017312.D

Acq: 02 Jul 2020 15:39

Instrument :

MSVOA_V

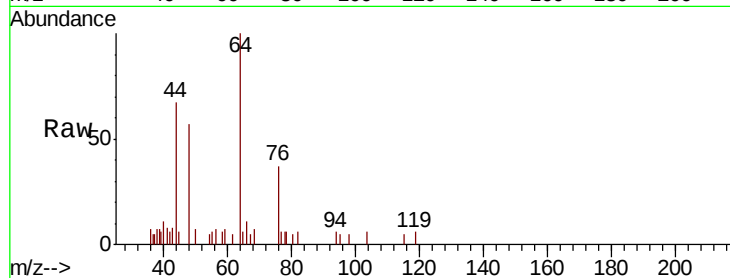
ClientSampled :

Tot Ion: 76 Resp: 1403

Ion Ratio Lower Upper

76 100

78 31.6 7.7 11.5#



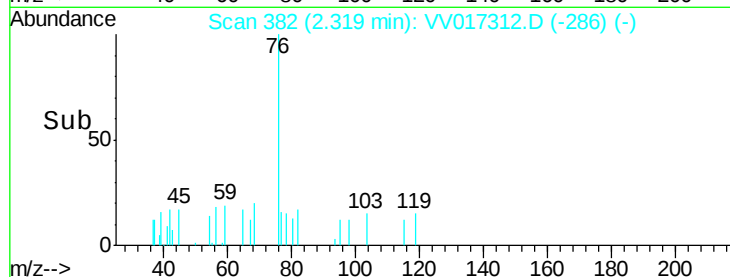
Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

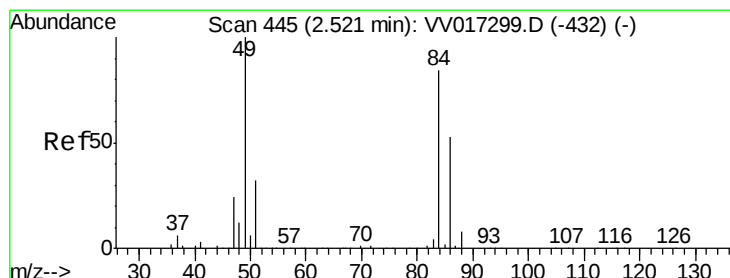
2.32

2.34

Time-->



Time-->



#16

Methylene chloride

Concen: 0.189 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017312.D

Acq: 02 Jul 2020 15:39

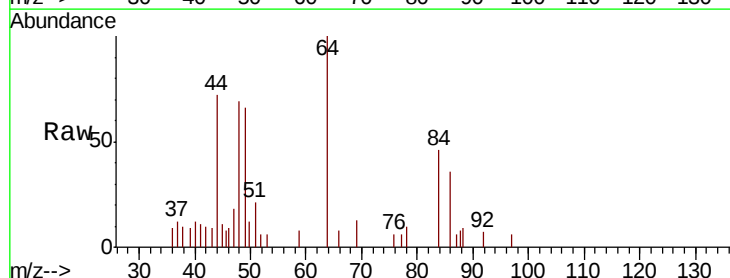
Tgt Ion: 84 Resp: 1685

Ion Ratio Lower Upper

84 100

86 77.6 45.8 85.0

49 170.7 89.6 166.4#



Abundance Ion 84.05 (83.75 to 84.75): VV0

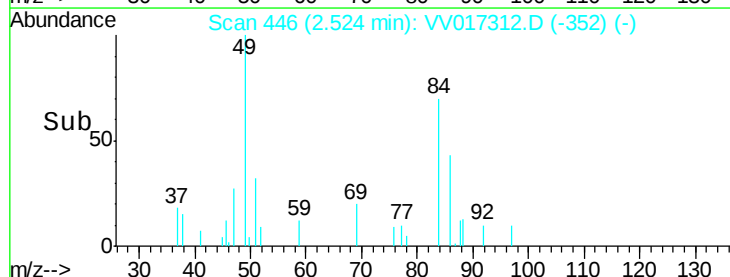
Ion 86.00 (85.70 to 86.70): VV0

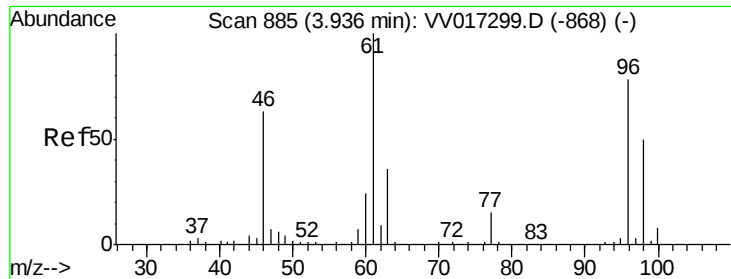
Ion 49.10 (48.80 to 49.80): VV0

2.52

2.55

Time-->





#22

cis-1,2-Dichloroethene

Concen: 0.084 ug/L

RT: 3.95 min Scan# 890

Delta R.T. 0.02 min

Lab File: VV017312.D

Acq: 02 Jul 2020 15:39

Instrument :

MSVOA_V

ClientSampled :

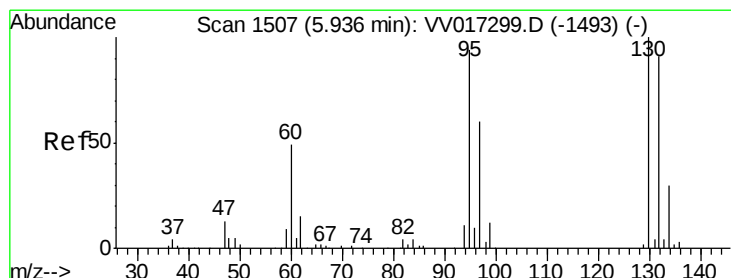
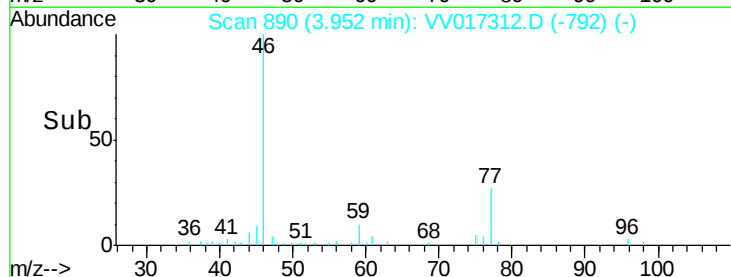
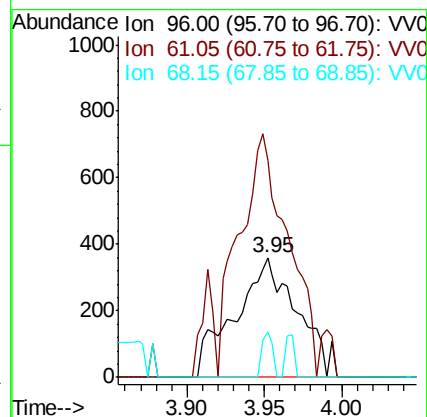
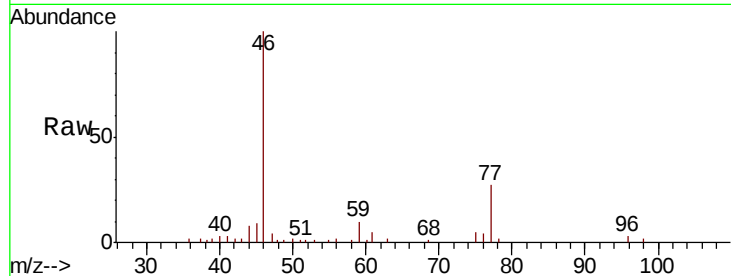
Tot Ion: 96 Resp: 1013

Ion Ratio Lower Upper

96 100

61 181.1 91.0 169.0#

68 37.5 0.0 0.0#



#34

Trichloroethene

Concen: 0.309 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV017312.D

Acq: 02 Jul 2020 15:39

Tgt Ion: 95 Resp: 3893

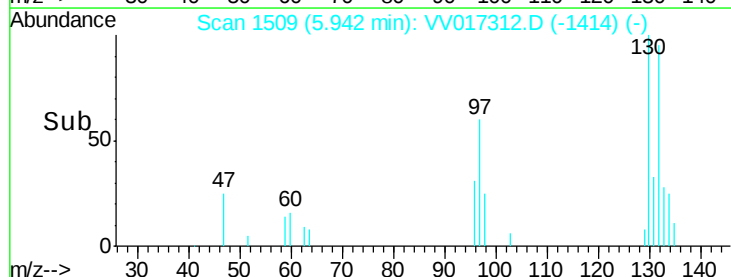
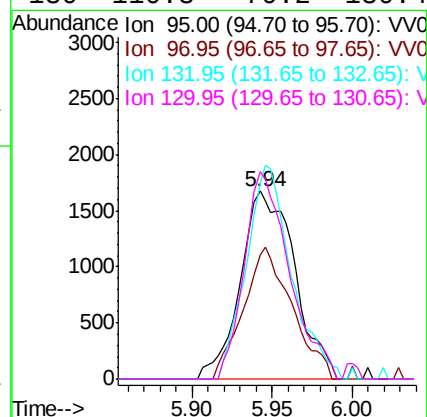
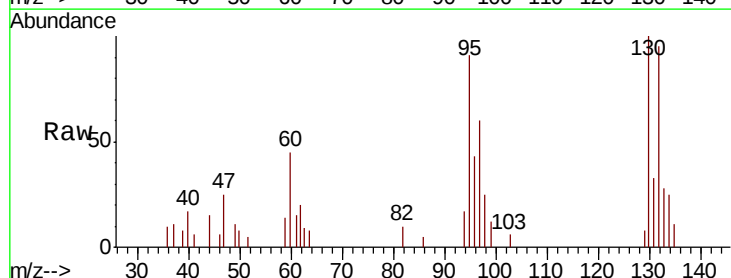
Ion Ratio Lower Upper

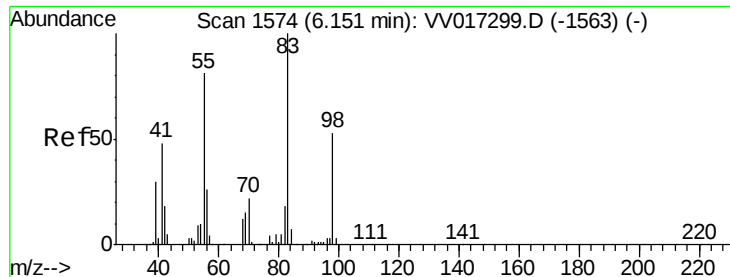
95 100

97 66.0 45.3 84.1

132 104.7 68.8 127.8

130 110.3 70.2 130.4





#35

Methylcyclohexane

Concen: 0.724 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV017312.D

Acq: 02 Jul 2020 15:39

Instrument :
MSVOA_V
ClientSampleId :

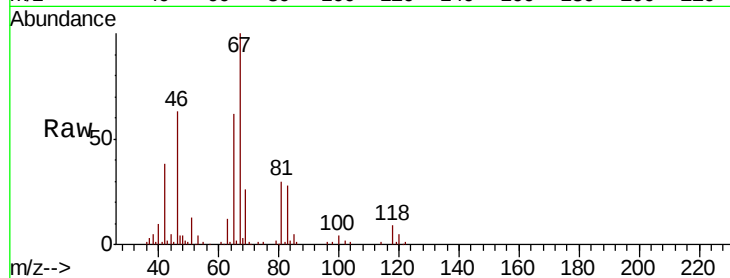
Tot Ion: 83 Resp: 14181

Ion Ratio Lower Upper

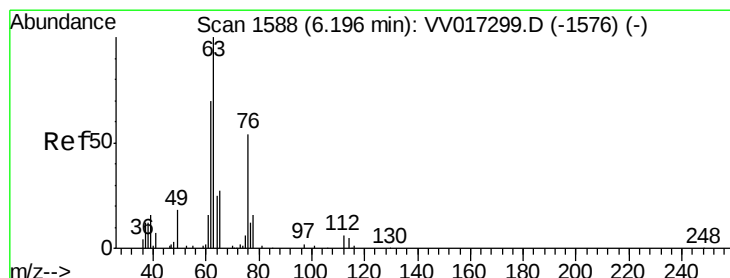
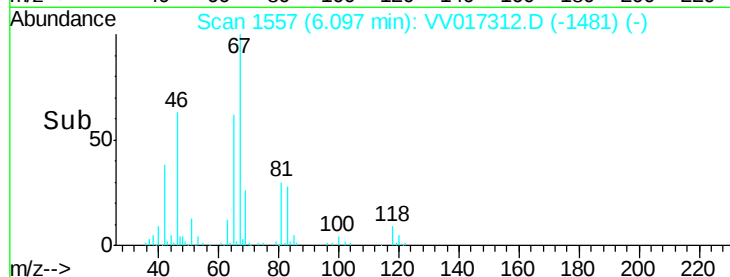
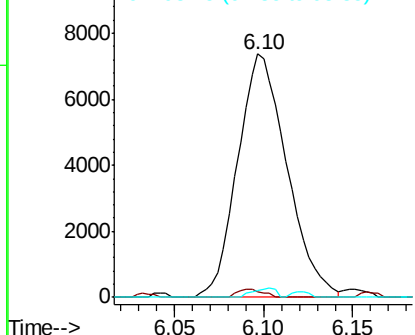
83 100

55 1.7 63.6 95.4#

98 1.8 38.8 58.2#



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: 0.653 ug/L

RT: 6.10 min Scan# 1559

Delta R.T. -0.09 min

Lab File: VV017312.D

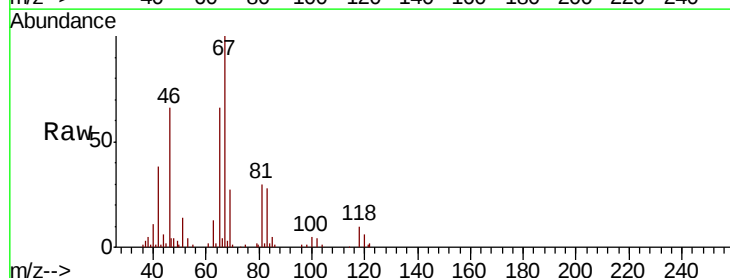
Acq: 02 Jul 2020 15:39

Tgt Ion: 63 Resp: 6959

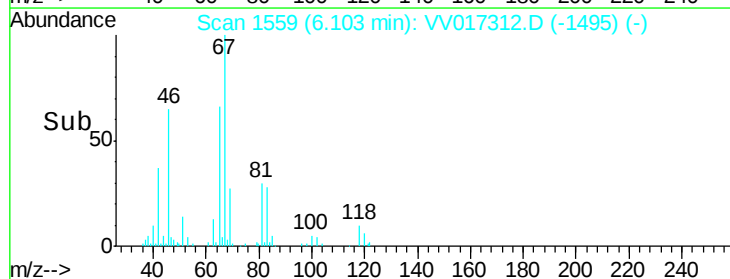
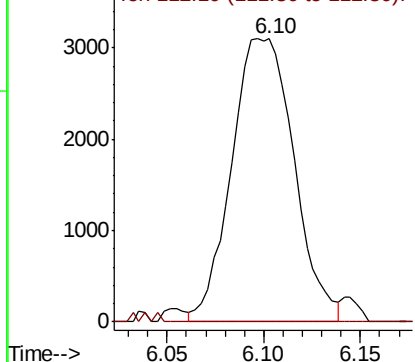
Ion Ratio Lower Upper

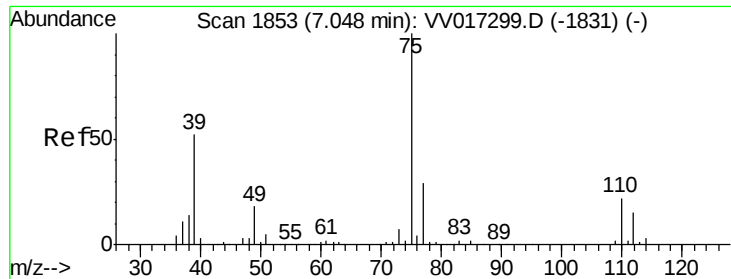
63 100

112 0.6 4.4 6.6#



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

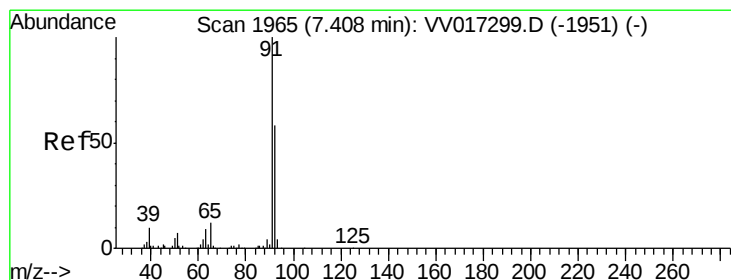
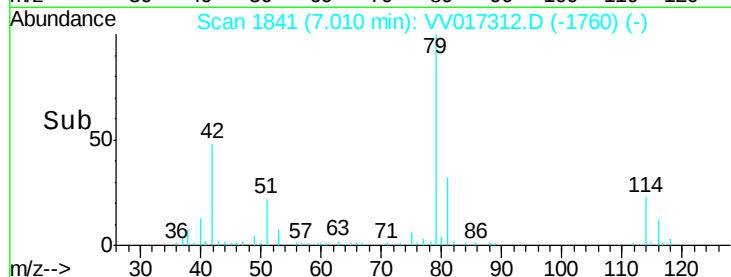
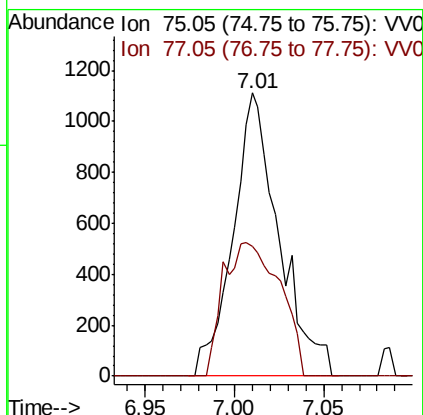
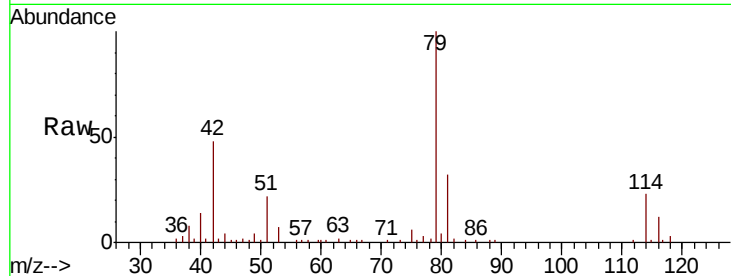




#39
 cis-1,3-Dichloropropene
 Concen: 0.126 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017312.D
 Acq: 02 Jul 2020 15:39

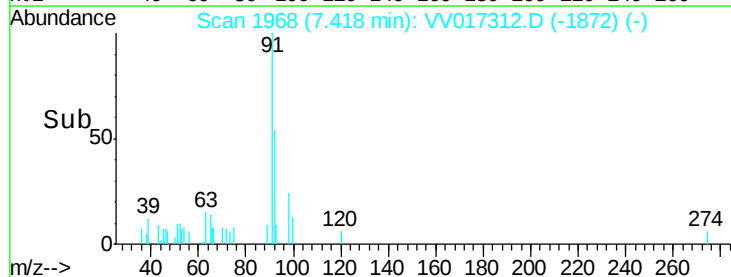
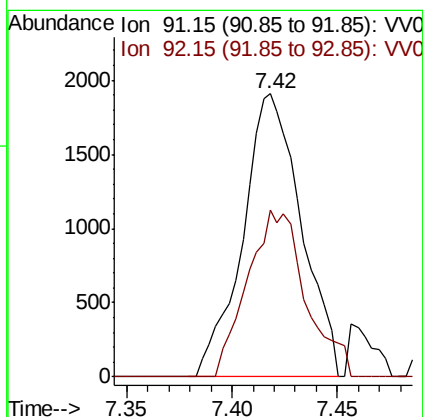
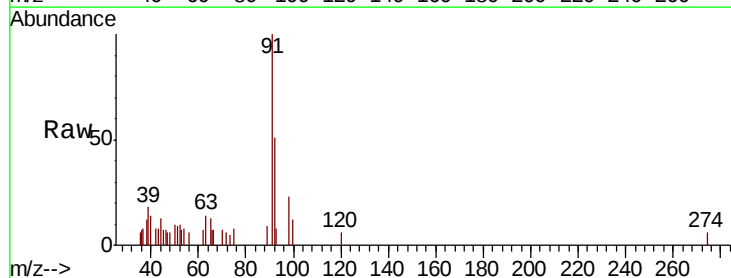
Instrument :
 MSVOA_V
 ClientSampled :

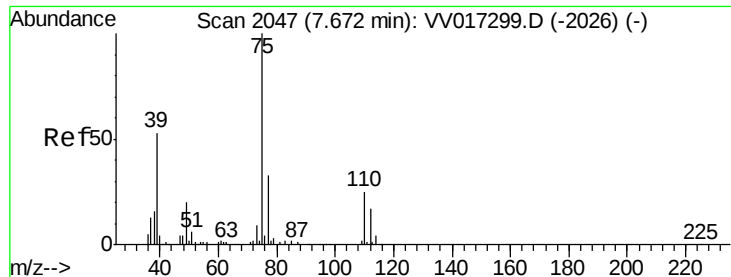
Tot Ion: 75 Resp: 1994
 Ion Ratio Lower Upper
 75 100
 77 45.8 22.3 41.5#



#42
 Toluene
 Concen: 0.074 ug/L
 RT: 7.42 min Scan# 1968
 Delta R.T. 0.01 min
 Lab File: VV017312.D
 Acq: 02 Jul 2020 15:39

Tgt Ion: 91 Resp: 3679
 Ion Ratio Lower Upper
 91 100
 92 58.9 39.9 74.1





#46

trans-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV017312.D

Acq: 02 Jul 2020 15:39

Instrument :

MSVOA_V

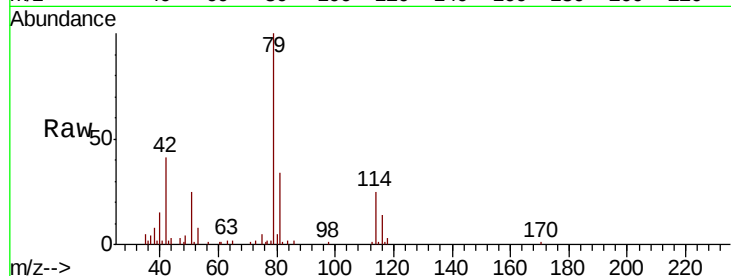
ClientSampleId :

Tot Ion: 75 Resp: 1133

Ion Ratio Lower Upper

75 100

77 45.2 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV017299.D (-2026) (-)

Ion 77.05 (76.75 to 77.75): VV017299.D (-2026) (-)

7.65

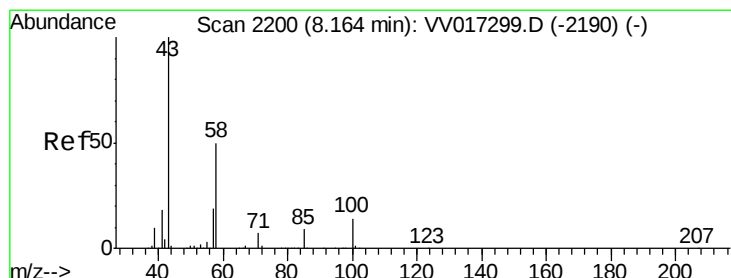
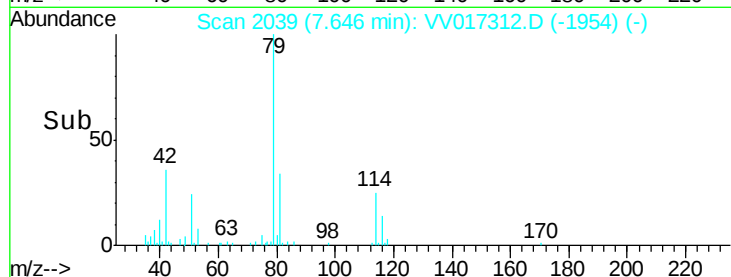
600

400

200

0

Time-->



#50

2-Hexanone

Concen: 1.395 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VV017312.D

Acq: 02 Jul 2020 15:39

Tgt Ion: 43 Resp: 6109

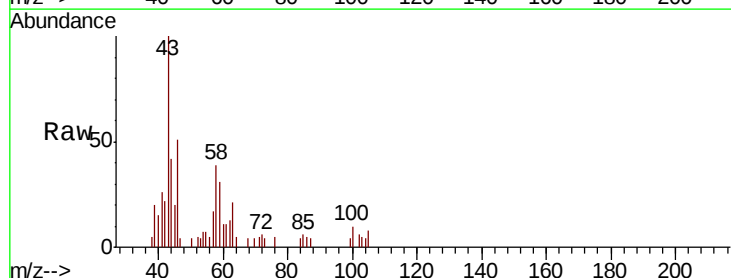
Ion Ratio Lower Upper

43 100

58 45.5 41.6 62.4

57 14.9 15.4 23.0#

100 7.7 10.1 15.1#



Abundance Ion 43.05 (42.75 to 43.75): VV017299.D (-2190) (-)

Ion 58.05 (57.75 to 58.75): VV017299.D (-2190) (-)

Ion 57.20 (56.90 to 57.90): VV017299.D (-2190) (-)

Ion 100.15 (99.85 to 100.85): VV017299.D (-2190) (-)

8000

6000

4000

2000

0

Time-->

