

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\
 Data File : VV018753.D
 Acq On : 08 Oct 2020 01:18
 Operator : SY/MD
 Sample : L4284-01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 08 06:43:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 02:46:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	286558	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	277749	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	125709	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	68991	41.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.10%
7) Chloroethane-d5	1.58	69	61337	44.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.28%
11) 1,1-Dichloroethene-d2	2.12	63	113631	33.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.36%
21) 2-Butanone-d5	3.91	46	116536	92.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.96%
24) Chloroform-d	4.38	84	175574	48.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.62%
26) 1,2-Dichloroethane-d4	5.06	65	121232	52.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.10%
32) Benzene-d6	5.08	84	346202	49.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.42%
36) 1,2-Dichloropropane-d6	6.09	67	91649	43.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.22%
41) Toluene-d8	7.34	98	259628	39.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.46%#
43) trans-1,3-Dichloropropene-	7.64	79	44246	38.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.06%
47) 2-Hexanone-d5	8.11	63	49679	61.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	61.53%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	96501	34.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	68.48%
64) 1,2-Dichlorobenzene-d4	11.65	152	111633	46.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.36%

Target Compounds

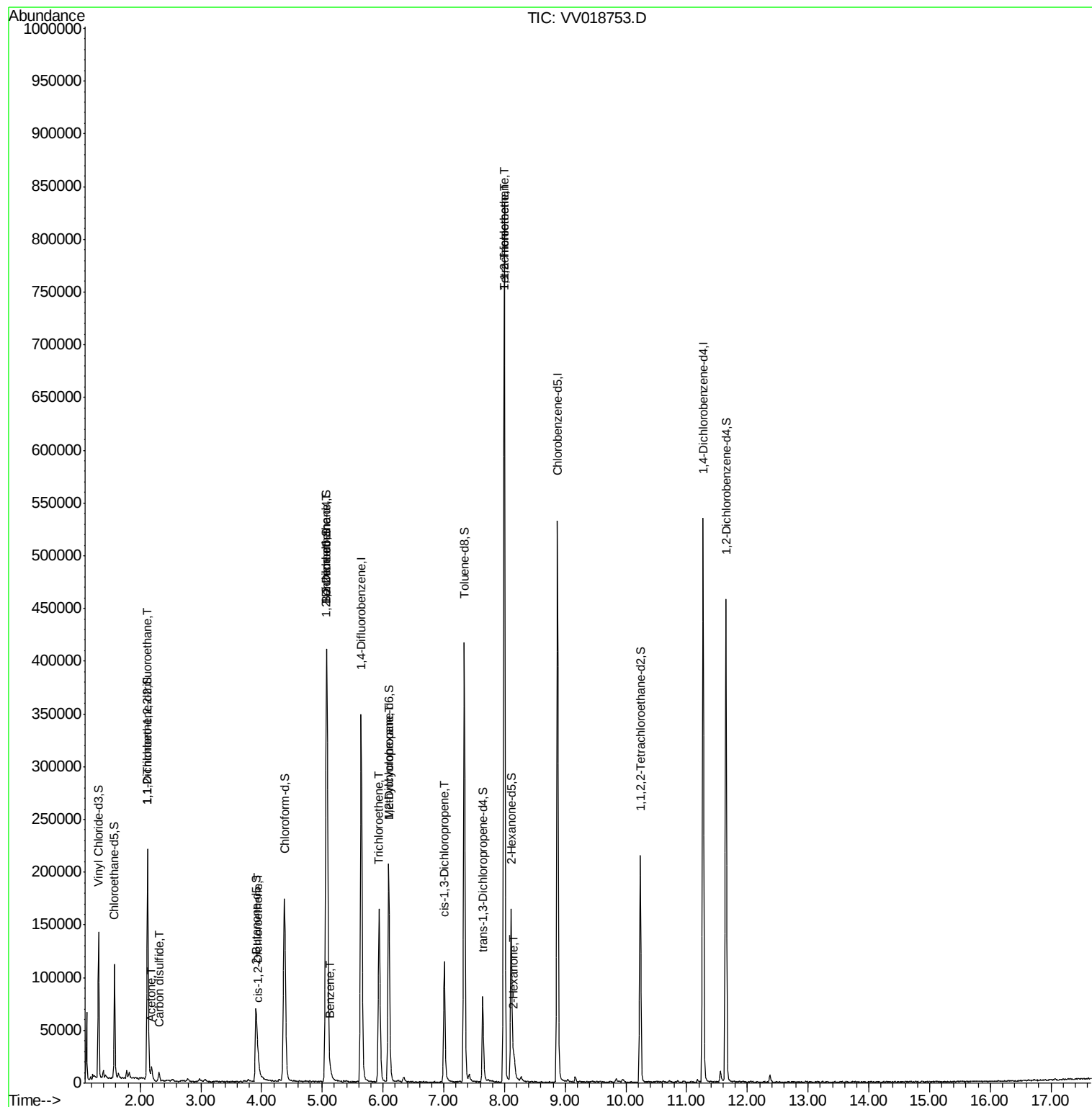
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1357	0.728 ug/L #	17
13) Acetone	2.19	43	14087	13.007 ug/L	96
14) Carbon disulfide	2.31	76	9927	1.713 ug/L #	95
20) cis-1,2-Dichloroethene	3.95	96	3728	1.714 ug/L	79
27) 1,2-Dichloroethane	5.08	62	2345	0.795 ug/L	99
33) Benzene	5.14	78	8377	1.027 ug/L	100
34) Trichloroethene	5.94	95	48709	20.561 ug/L	95
35) Methylcyclohexane	6.09	83	24193	7.570 ug/L #	18
39) cis-1,3-Dichloropropene	7.01	75	3213	0.978 ug/L #	56
45) 1,1,2-Trichloroethane	7.99	97	1553	0.749 ug/L #	11
46) Tetrachloroethene	8.00	164	173897	90.483 ug/L	95
48) 2-Hexanone	8.16	43	14741	6.994 ug/L #	79

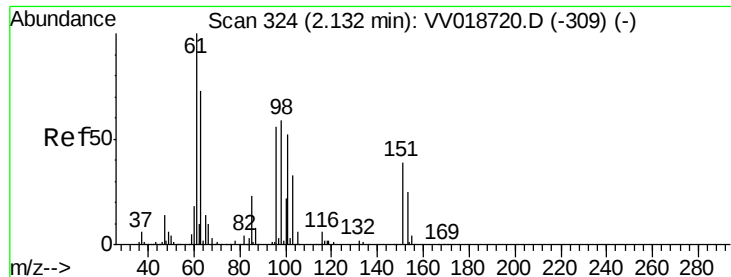
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.728 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV018753.D

Acq: 08 Oct 2020 01:18

Instrument :

MSVOA_V

ClientSampleId :

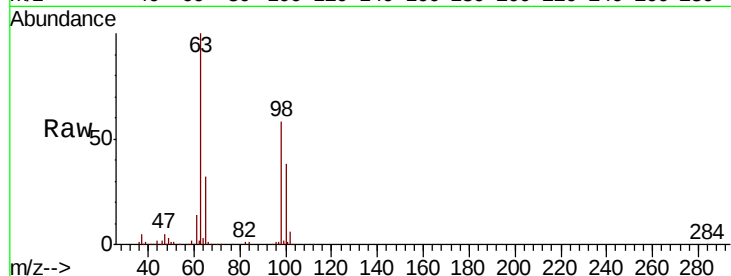
Tot Ion:101 Resp: 1357

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

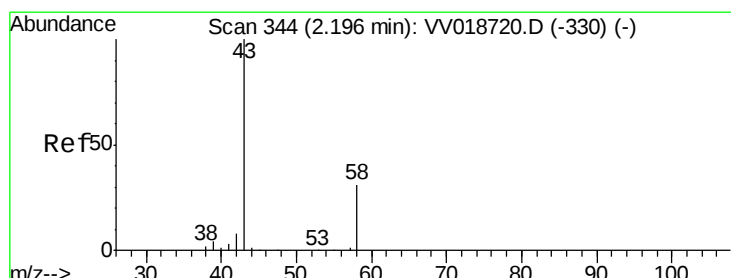
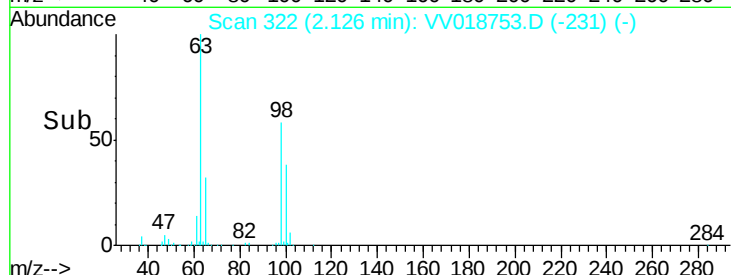
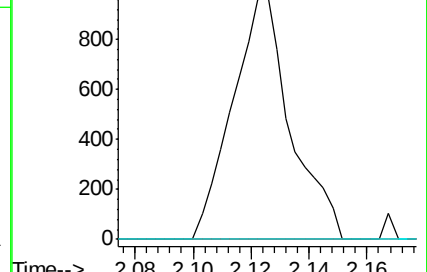
151 0.0 64.3 96.5#



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



#13

Acetone

Concen: 13.007 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV018753.D

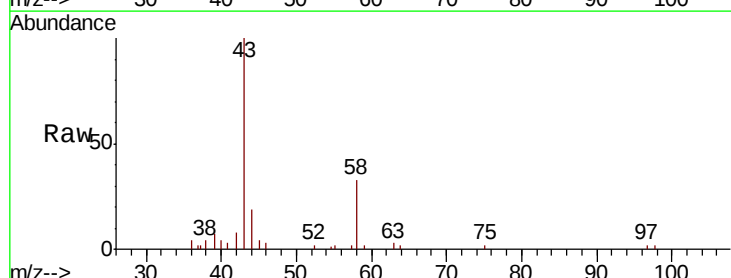
Acq: 08 Oct 2020 01:18

Tgt Ion: 43 Resp: 14087

Ion Ratio Lower Upper

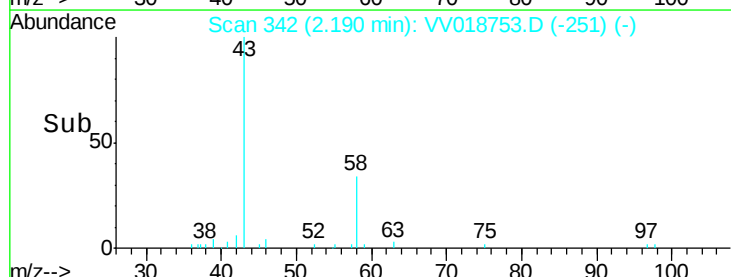
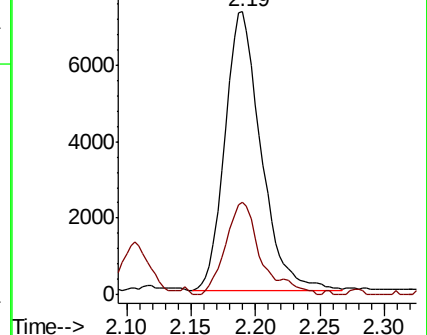
43 100

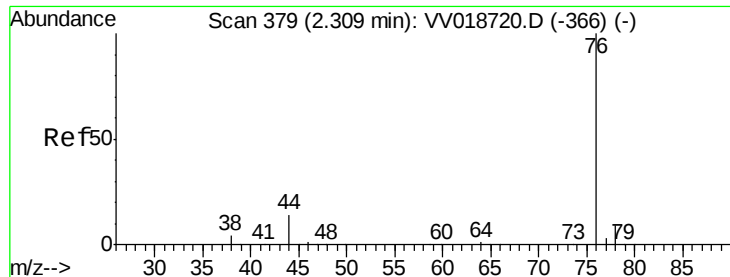
58 29.9 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#14

Carbon disulfide

Concen: 1.713 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018753.D

Acq: 08 Oct 2020 01:18

Instrument :

MSVOA_V

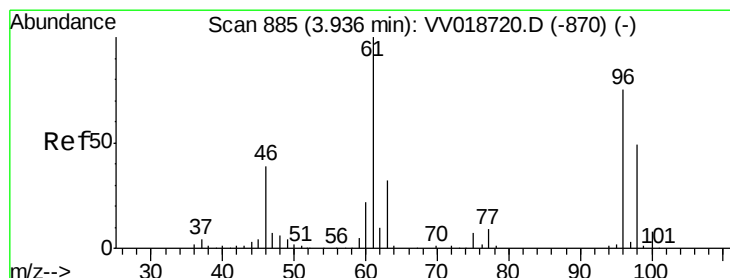
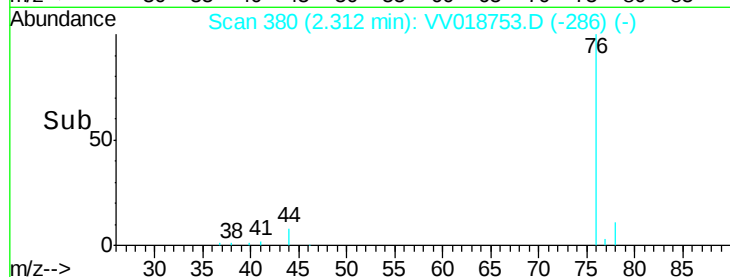
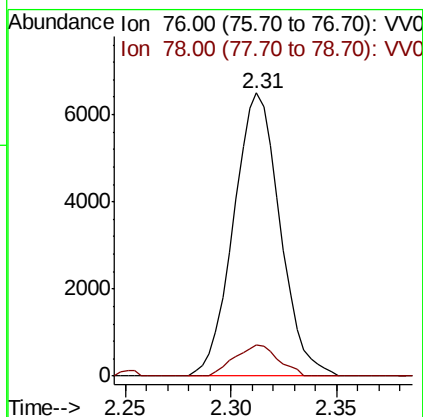
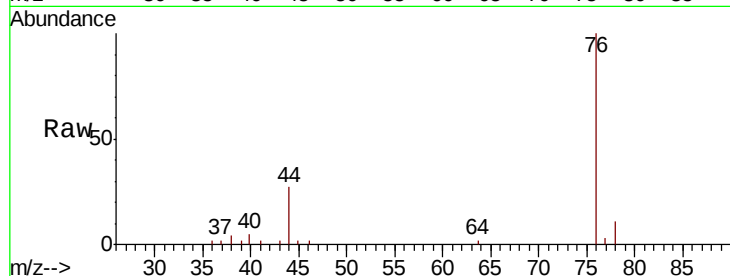
ClientSampleId :

Tot Ion: 76 Resp: 9927

Ion Ratio Lower Upper

76 100

78 10.9 7.1 10.7#



#20

cis-1,2-Dichloroethene

Concen: 1.714 ug/L

RT: 3.95 min Scan# 889

Delta R.T. 0.01 min

Lab File: VV018753.D

Acq: 08 Oct 2020 01:18

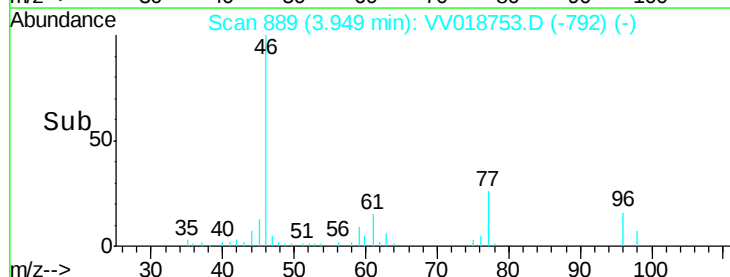
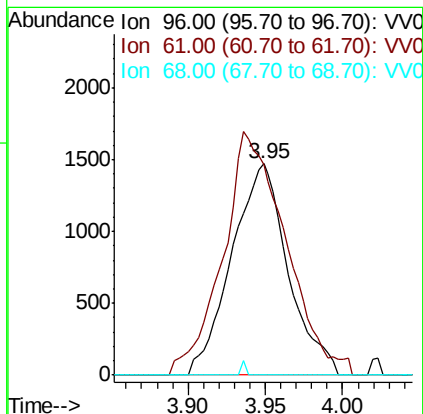
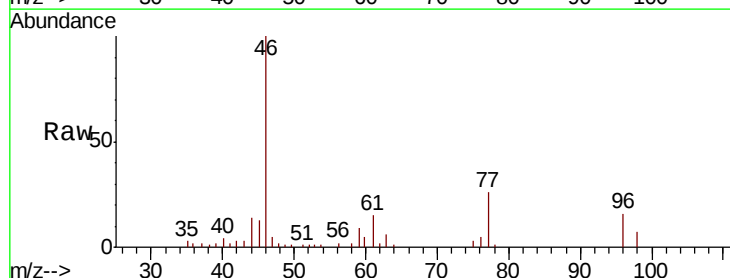
Tgt Ion: 96 Resp: 3728

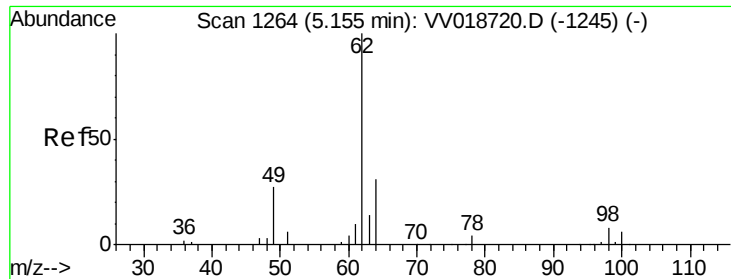
Ion Ratio Lower Upper

96 100

61 99.7 86.8 161.2

68 0.0 0.0 0.0

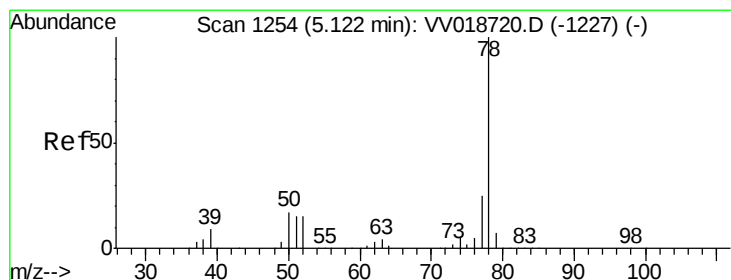
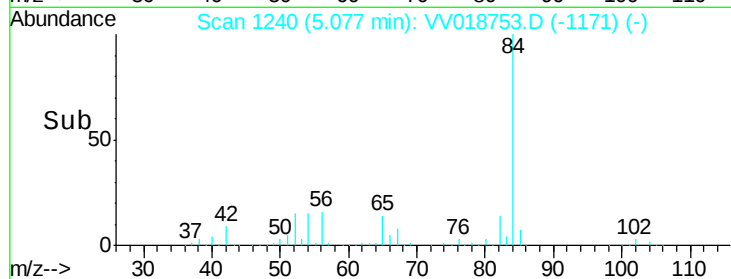
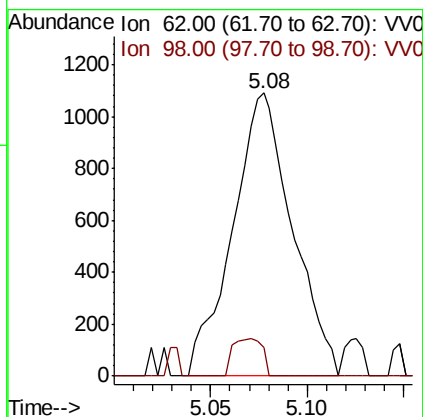
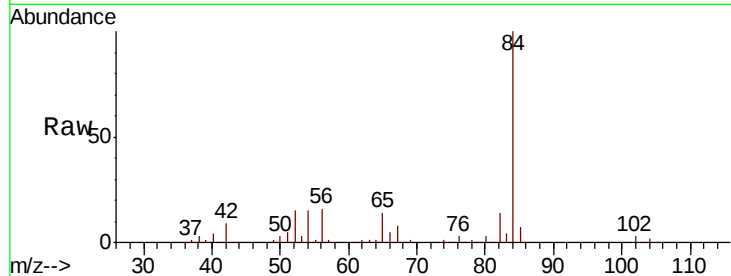




#27
 1,2-Dichloroethane
 Concen: 0.795 ug/L
 RT: 5.08 min Scan# 1240
 Delta R.T. -0.08 min
 Lab File: VV018753.D
 Acq: 08 Oct 2020 01:18

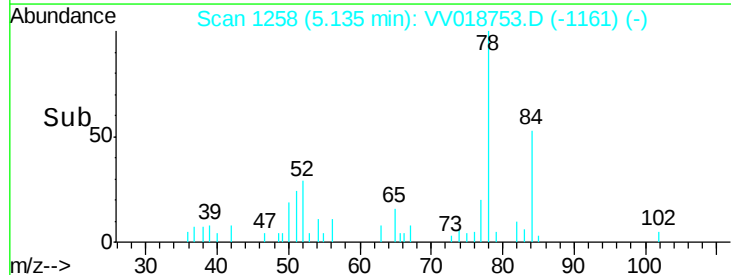
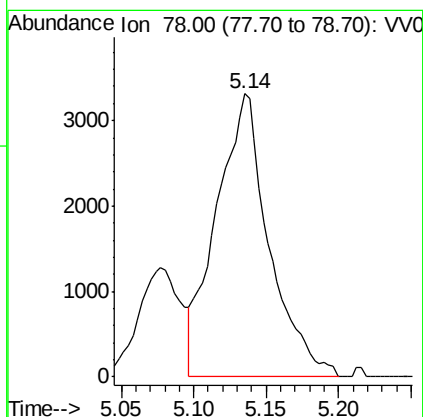
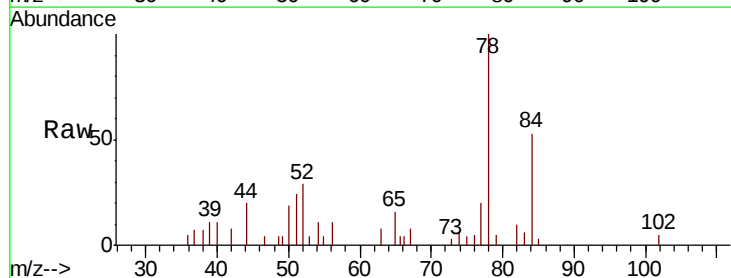
Instrument :
 MSVOA_V
 ClientSampled :

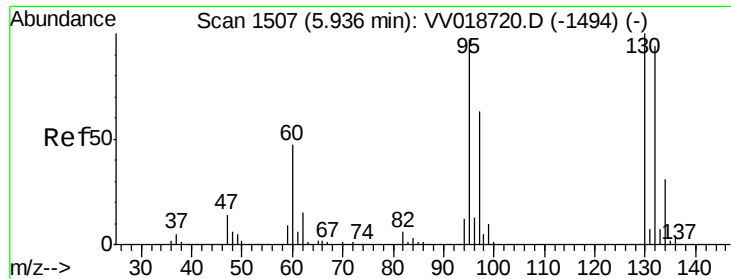
Tot Ion: 62 Resp: 2345
 Ion Ratio Lower Upper
 62 100
 98 9.9 7.7 11.5



#33
 Benzene
 Concen: 1.027 ug/L
 RT: 5.14 min Scan# 1258
 Delta R.T. 0.01 min
 Lab File: VV018753.D
 Acq: 08 Oct 2020 01:18

Tgt Ion: 78 Resp: 8377

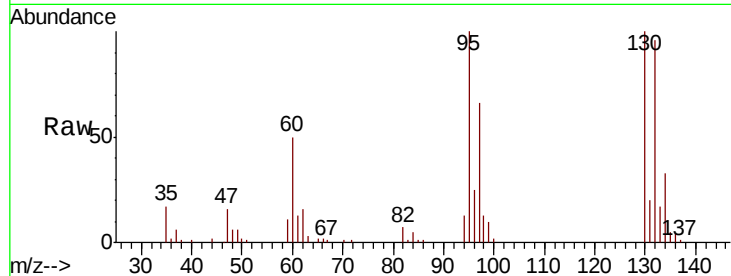




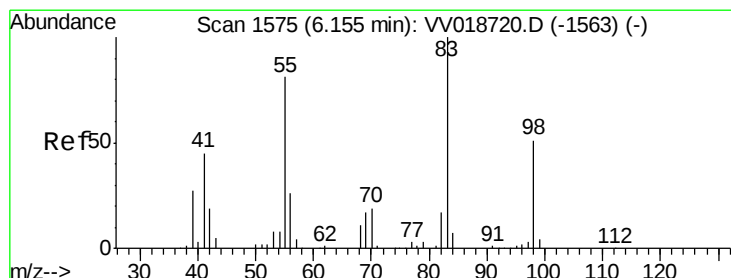
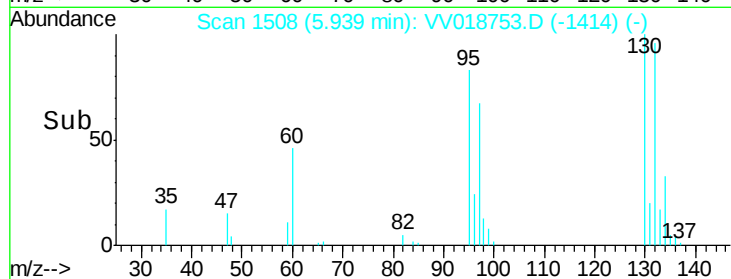
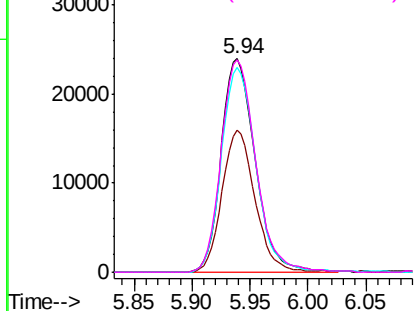
#34
 Trichloroethene
 Concen: 20.561 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV018753.D
 Acq: 08 Oct 2020 01:18

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 48709
 Ion Ratio Lower Upper
 95 100
 97 66.4 45.9 85.3
 132 96.0 70.8 131.4
 130 99.5 75.3 139.8

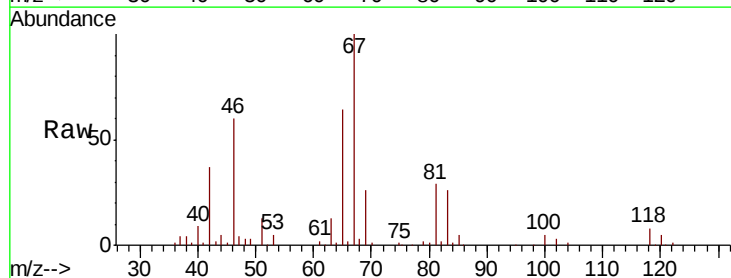


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

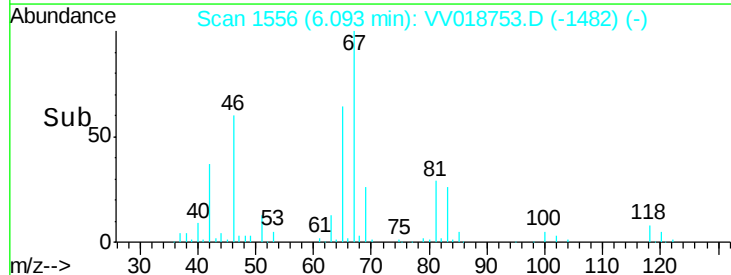
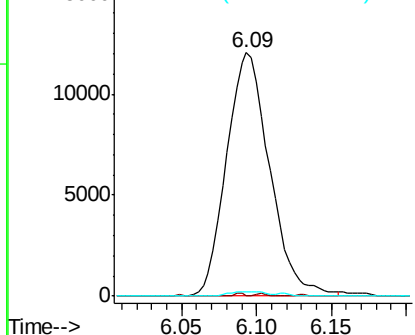


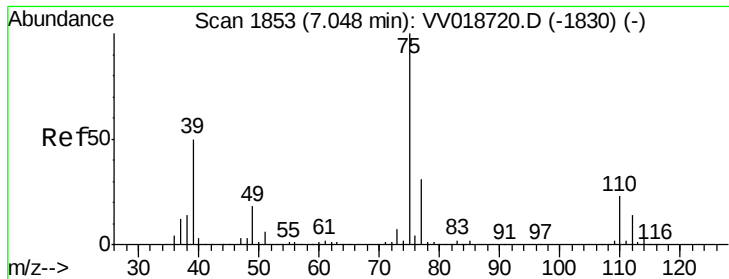
#35
 Methylcyclohexane
 Concen: 7.570 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.06 min
 Lab File: VV018753.D
 Acq: 08 Oct 2020 01:18

Tgt Ion: 83 Resp: 24193
 Ion Ratio Lower Upper
 83 100
 55 0.2 60.1 90.1#
 98 0.0 40.2 60.4#



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#39

cis-1,3-Dichloropropene

Concen: 0.978 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV018753.D

Acq: 08 Oct 2020 01:18

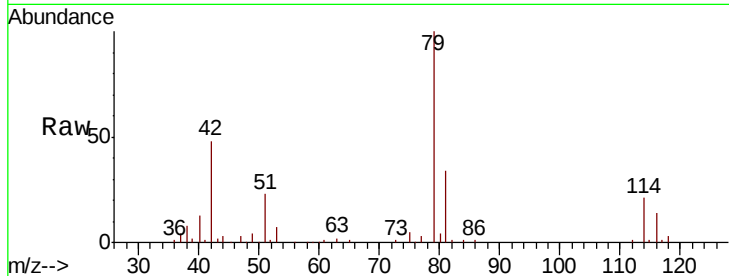
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 3213

Ion Ratio Lower Upper

75 100

77 57.6 23.0 42.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.01

1500

1000

500

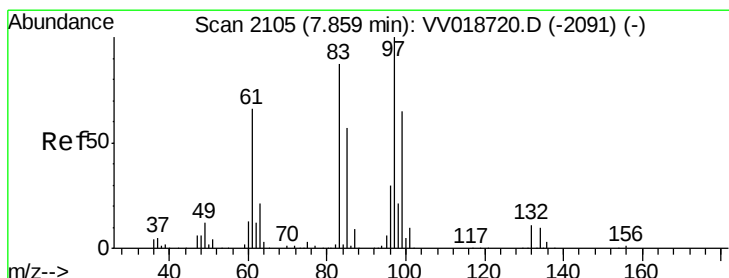
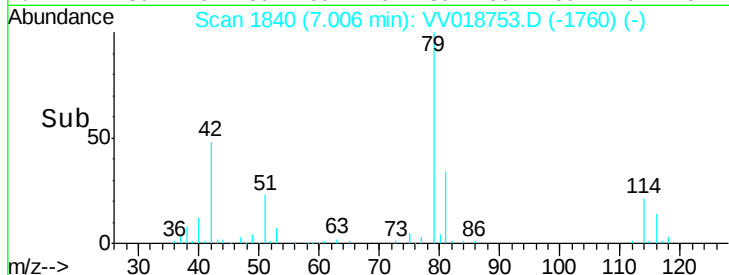
0

6.95

7.00

7.05

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.749 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.13 min

Lab File: VV018753.D

Acq: 08 Oct 2020 01:18

Tgt Ion: 97 Resp: 1553

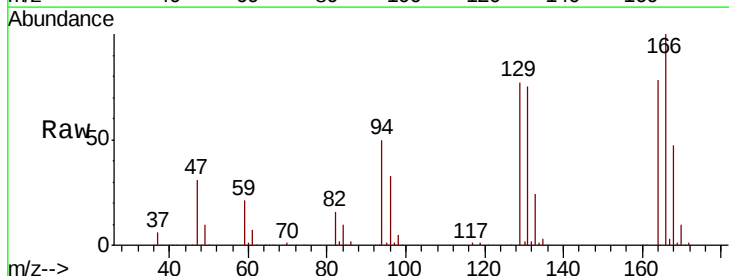
Ion Ratio Lower Upper

97 100

99 30.6 43.3 80.3#

83 236.5 60.5 112.5#

85 36.5 38.3 71.1#



Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

3000

2000

1000

0

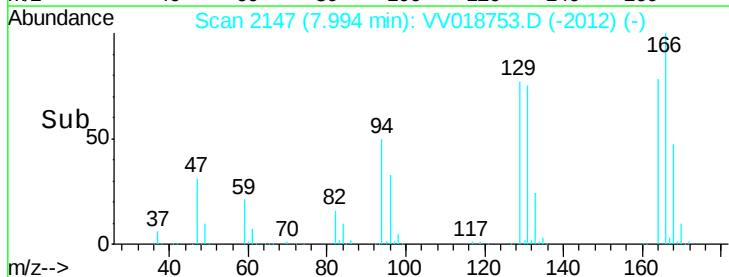
7.96

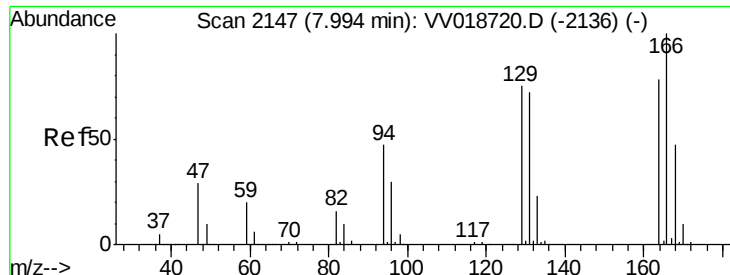
7.98

8.00

8.02

Time-->





#46

Tetrachloroethene

Concen: 90.483 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018753.D

Acq: 08 Oct 2020 01:18

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 173897

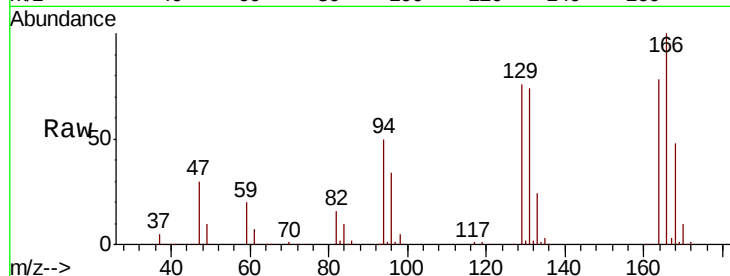
Ion Ratio Lower Upper

164 100

129 96.8 62.8 116.6

131 94.4 60.8 112.8

166 127.7 88.9 165.1

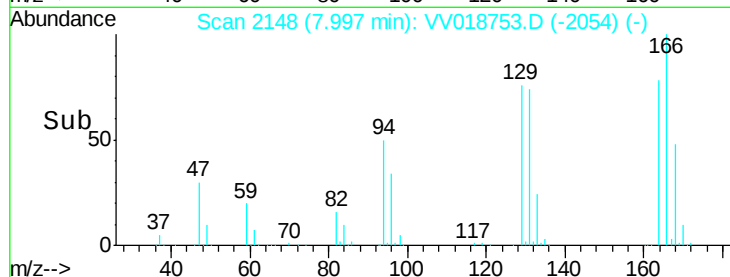


Abundance Ion 164.00 (163.70 to 164.70): V

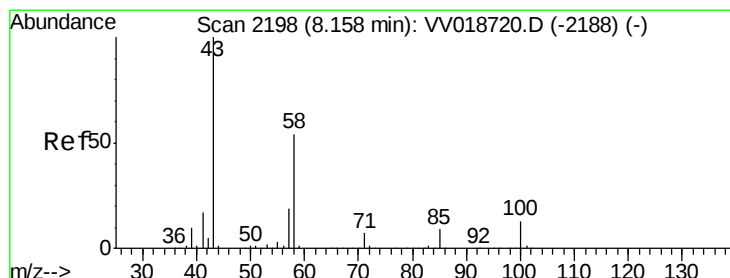
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



Time--> 7.90 7.95 8.00 8.05 8.10



#48

2-Hexanone

Concen: 6.994 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV018753.D

Acq: 08 Oct 2020 01:18

Tgt Ion: 43 Resp: 14741

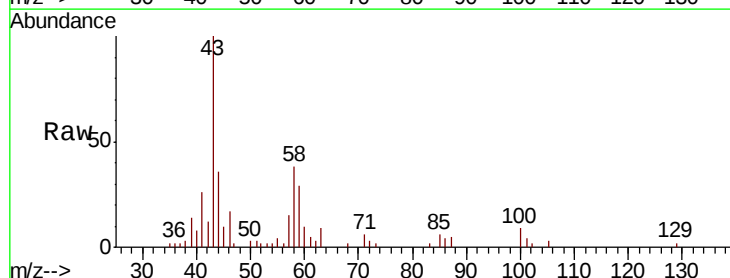
Ion Ratio Lower Upper

43 100

58 40.3 45.1 67.7#

57 11.8 15.7 23.5#

100 4.5 11.0 16.4#

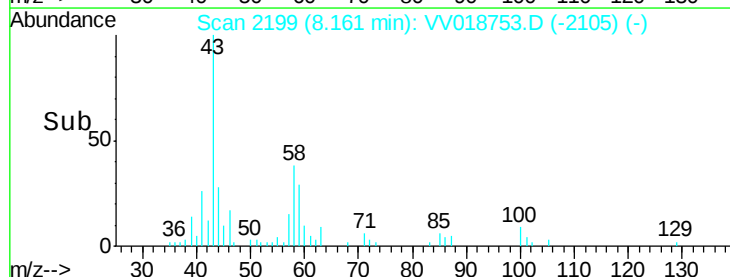


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



Time--> 8.10 8.15 8.20 8.25