

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\
 Data File : VV018702.D
 Acq On : 06 Oct 2020 20:48
 Operator : SY/MD
 Sample : L4287-04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 07 07:24:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 07:22:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	169132	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	155563	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	73572	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	79171	79.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	159.64%#
7) Chloroethane-d5	1.58	69	69173	84.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	168.68%#
11) 1,1-Dichloroethene-d2	2.12	63	134820	66.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	133.42%#
21) 2-Butanone-d5	3.92	46	130766	176.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	176.74%#
24) Chloroform-d	4.38	84	174130	81.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	162.36%#
26) 1,2-Dichloroethane-d4	5.06	65	118767	87.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	174.44%#
32) Benzene-d6	5.08	84	349233	88.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	177.26%#
36) 1,2-Dichloropropane-d6	6.09	67	93271	78.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	156.68%#
41) Toluene-d8	7.34	98	262213	70.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	141.46%#
43) trans-1,3-Dichloropropene-	7.64	79	46244	71.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	143.80%#
47) 2-Hexanone-d5	8.11	63	66937	148.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	148.02%#
57) 1,1,2,2-Tetrachloroethane-	10.24	84	110871	70.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	140.48%#
64) 1,2-Dichlorobenzene-d4	11.65	152	107509	75.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	151.96%#

Target Compounds

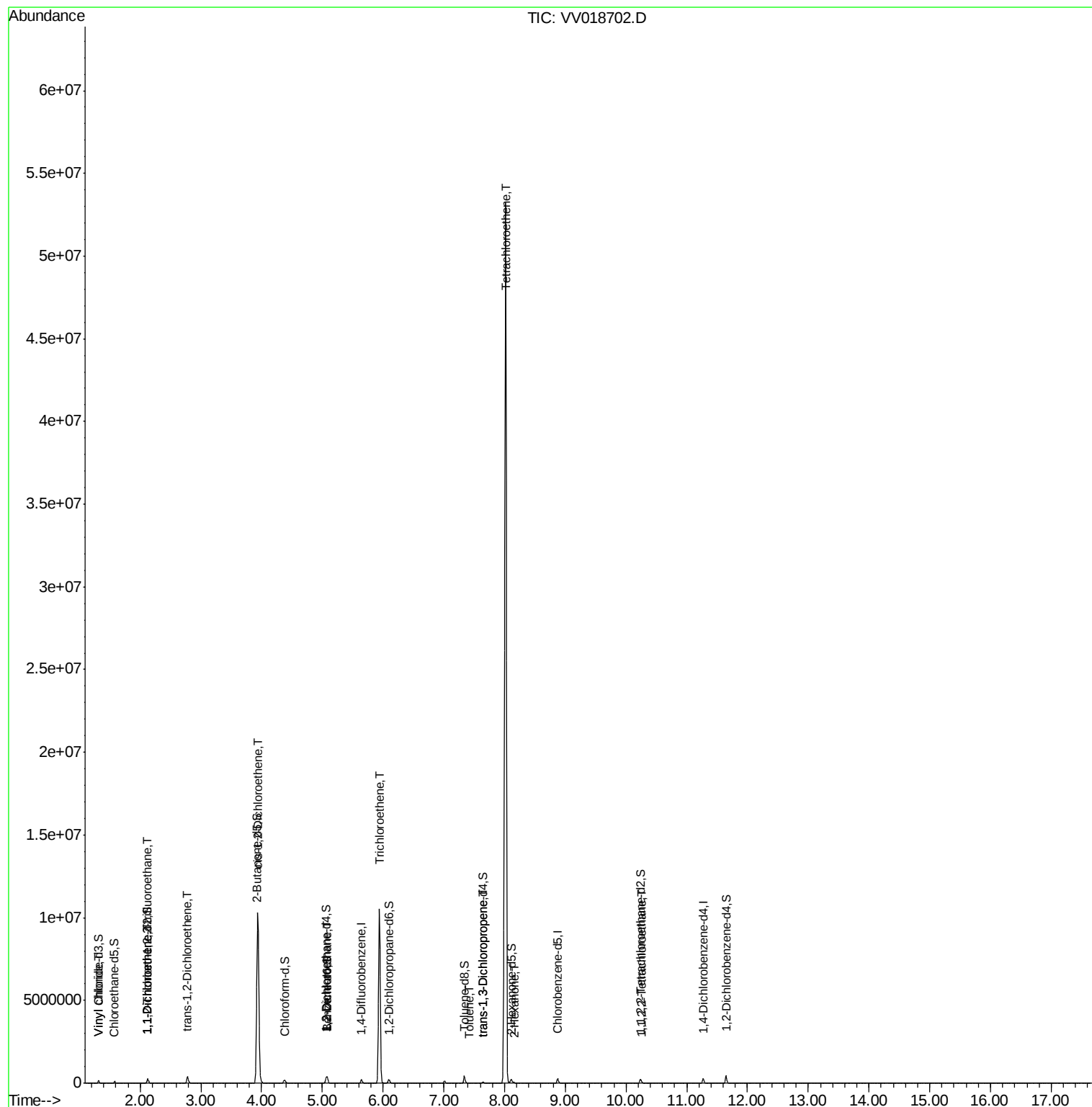
					Ovalue
5) Vinyl chloride	1.32	62	9379	7.249	ug/L 92
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1064	0.967	ug/L # 18
12) 1,1-Dichloroethene	2.14	96	21077	19.963	ug/L # 20
17) trans-1,2-Dichloroethene	2.78	96	151014	124.999	ug/L 96
20) cis-1,2-Dichloroethene	3.94	96	5723115	4457.463	ug/L 92
27) 1,2-Dichloroethane	5.07	62	2437	1.400	ug/L 96
34) Trichloroethene	5.94	95	3549728	2675.380	ug/L 94
42) Toluene	7.42	91	4577	0.926	ug/L 97
44) trans-1,3-Dichloropropene	7.64	75	2187	1.210	ug/L # 80
46) Tetrachloroethene	8.02	164	11932438	11085.339	ug/L 87
48) 2-Hexanone	8.17	43	3490	2.956	ug/L # 67
58) 1,1,2,2-Tetrachloroethane	10.26	83	8251	5.043	ug/L # 95

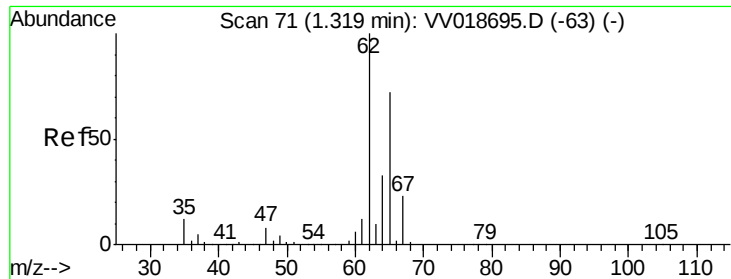
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV100720\
Data File : VV018702.D
Acq On : 06 Oct 2020 20:48
Operator : SY/MD
Sample : L4287-04
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Oct 07 07:24:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 07 07:22:30 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 7.249 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018702.D

Acq: 06 Oct 2020 20:48

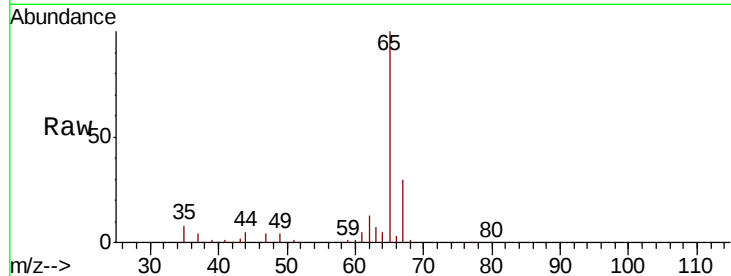
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 9379

Ion Ratio Lower Upper

62 100

64 37.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV018695.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV018695.D (-63) (-)

1.32

10000

8000

6000

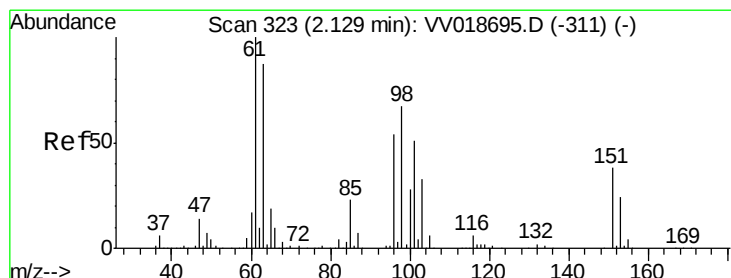
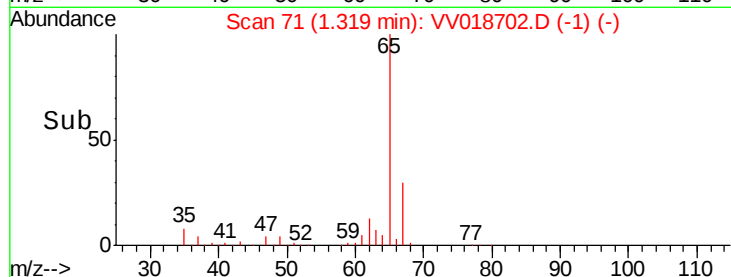
4000

2000

0

1.28 1.30 1.32 1.34 1.36

Time-->



#10

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

Concen: 0.967 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018702.D

Acq: 06 Oct 2020 20:48

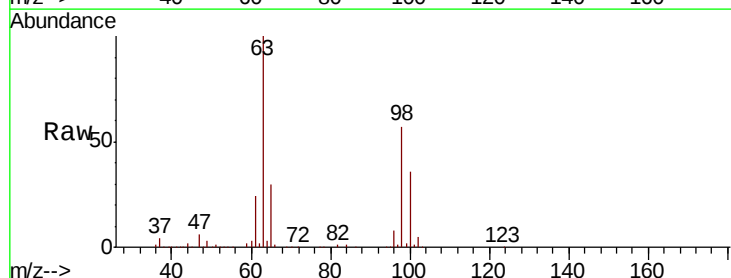
Tgt Ion: 101 Resp: 1064

Ion Ratio Lower Upper

101 100

85 1.9 34.6 52.0#

151 0.0 64.3 96.5#



Abundance Ion 101.00 (100.70 to 101.70): VV018695.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018695.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018695.D (-311) (-)

2.12

1000

800

600

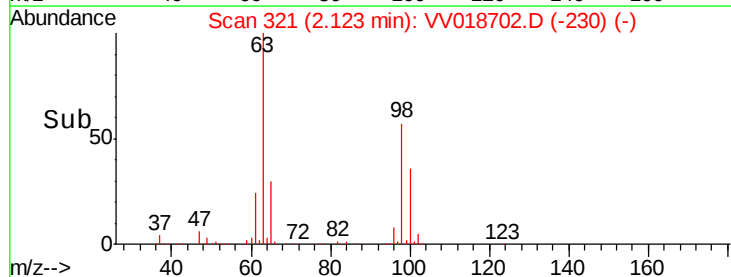
400

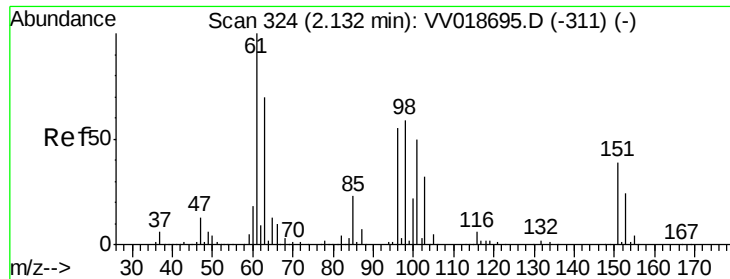
200

0

2.10 2.12 2.14 2.16

Time-->





#12

1,1-Dichloroethene

Concen: 19.963 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV018702.D

Acq: 06 Oct 2020 20:48

Instrument :
MSVOA_V
ClientSampleId :

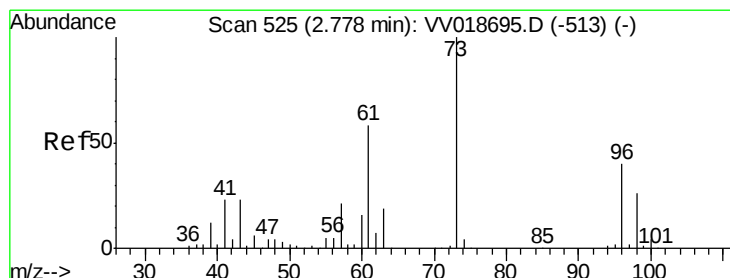
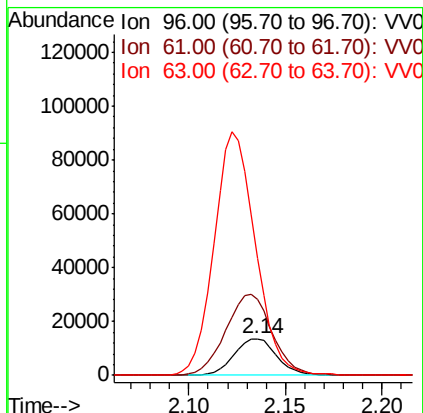
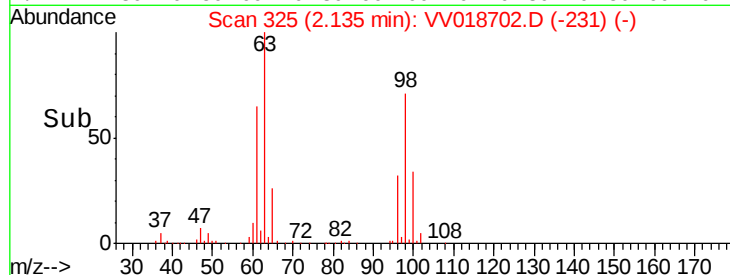
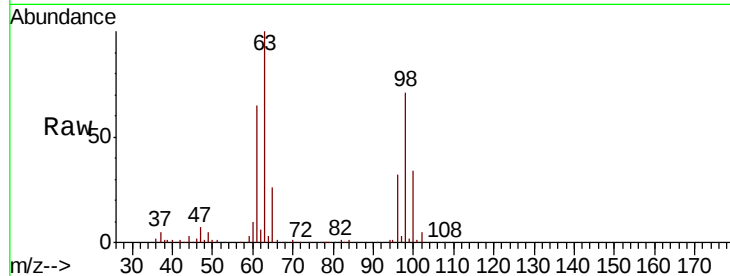
Tot Ion: 96 Resp: 21077

Ion Ratio Lower Upper

96 100

61 205.7 122.8 228.1

63 315.7 91.9 170.7#



#17

trans-1,2-Dichloroethene

Concen: 124.999 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV018702.D

Acq: 06 Oct 2020 20:48

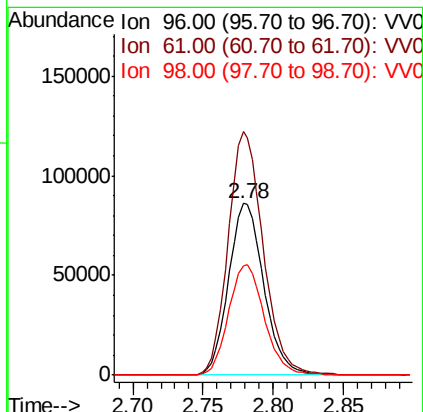
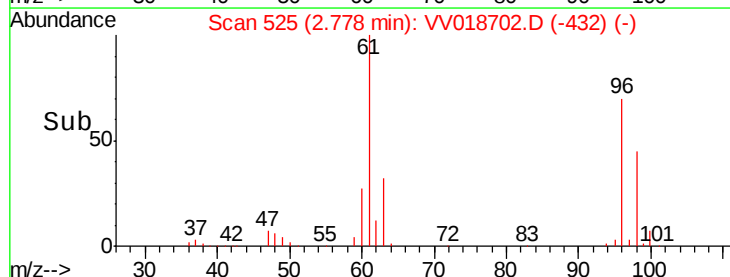
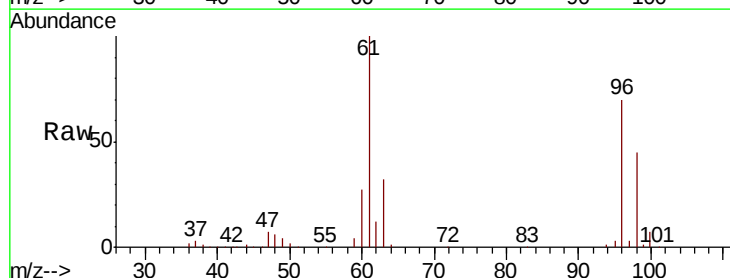
Tgt Ion: 96 Resp: 151014

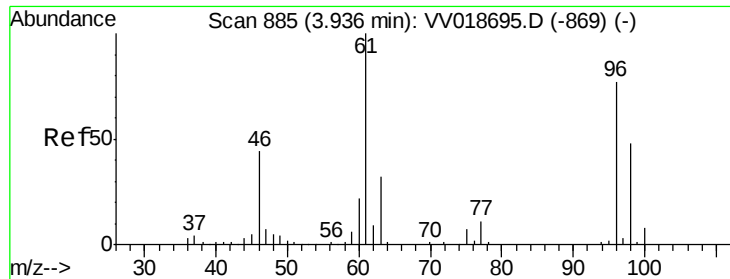
Ion Ratio Lower Upper

96 100

61 142.1 95.0 176.4

98 64.0 44.6 82.8

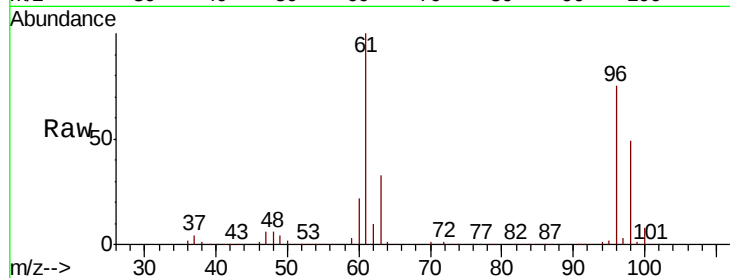




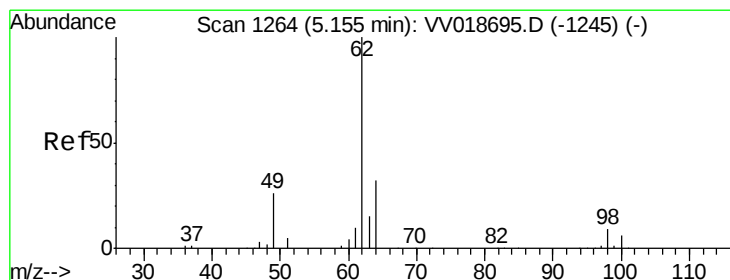
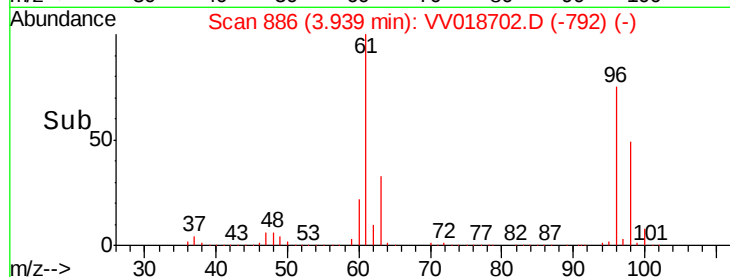
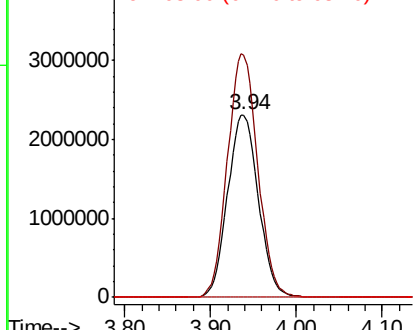
#20
 cis-1,2-Dichloroethene
 Concen: 4457.463 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018702.D
 Acq: 06 Oct 2020 20:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 5723115
 Ion Ratio Lower Upper
 96 100
 61 132.7 86.8 161.2
 68 0.0 0.0 0.0

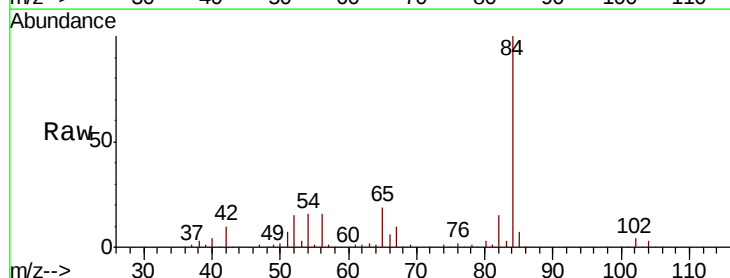


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0

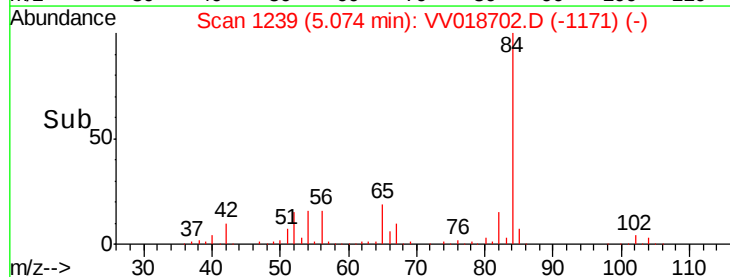
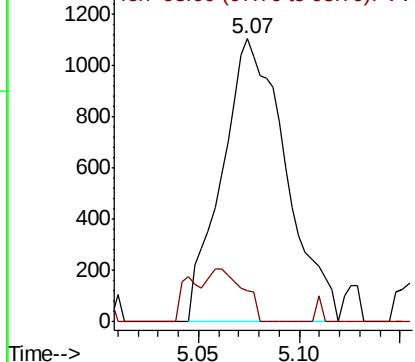


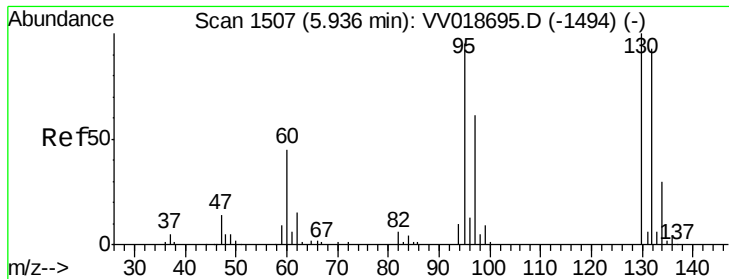
#27
 1,2-Dichloroethane
 Concen: 1.400 ug/L
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.08 min
 Lab File: VV018702.D
 Acq: 06 Oct 2020 20:48

Tgt Ion: 62 Resp: 2437
 Ion Ratio Lower Upper
 62 100
 98 11.1 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#34

Trichloroethene

Concen: 2675.380 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018702.D

Acq: 06 Oct 2020 20:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 3549728

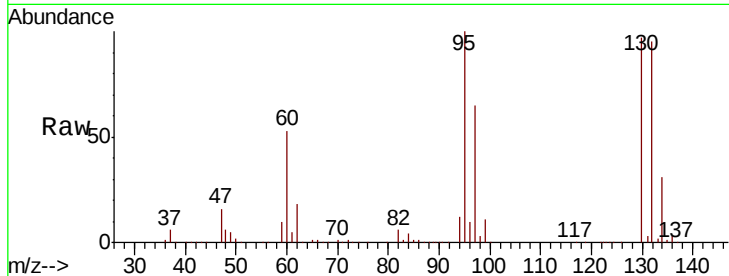
Ion	Ratio	Lower	Upper
95	100		
97	65.4	45.9	85.3
132	95.0	70.8	131.4
130	96.8	75.3	139.8

95 100

97 65.4 45.9 85.3

132 95.0 70.8 131.4

130 96.8 75.3 139.8

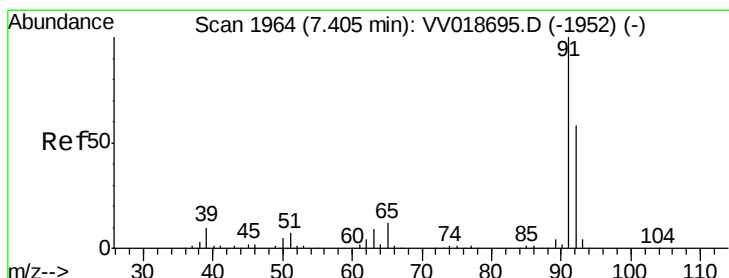
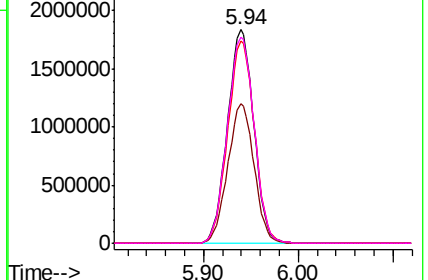
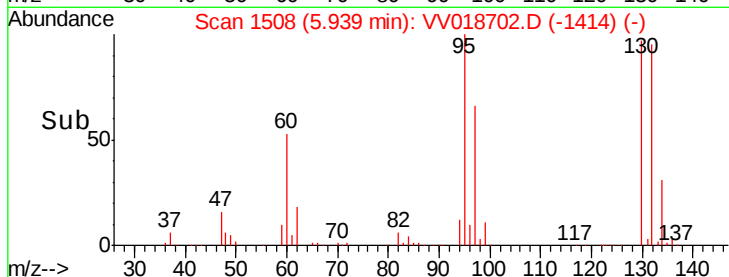


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#42

Toluene

Concen: 0.926 ug/L

RT: 7.42 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VV018702.D

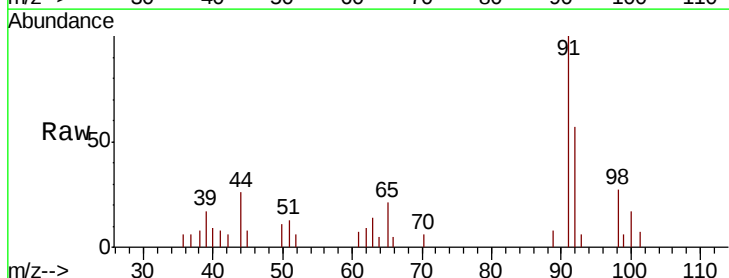
Acq: 06 Oct 2020 20:48

Tgt Ion: 91 Resp: 4577

Ion	Ratio	Lower	Upper
91	100		
92	57.3	41.6	77.3

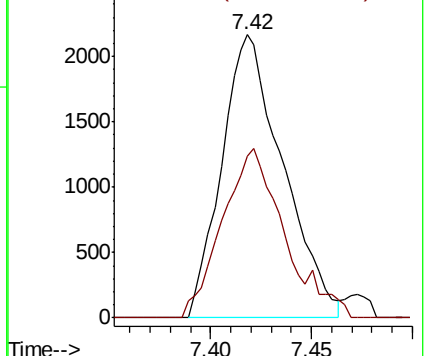
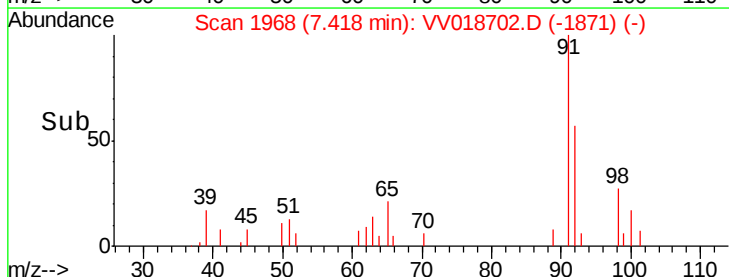
91 100

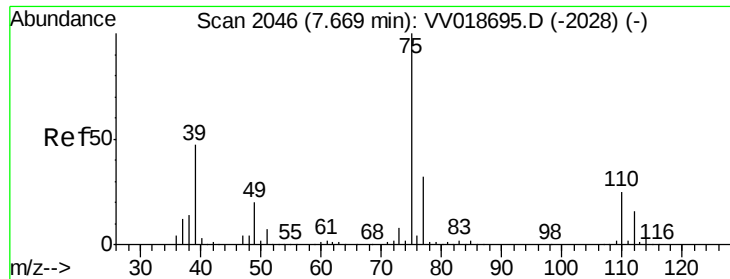
92 57.3 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0





#44

trans-1,3-Dichloropropene

Concen: 1.210 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV018702.D

Acq: 06 Oct 2020 20:48

Instrument :

MSVOA_V

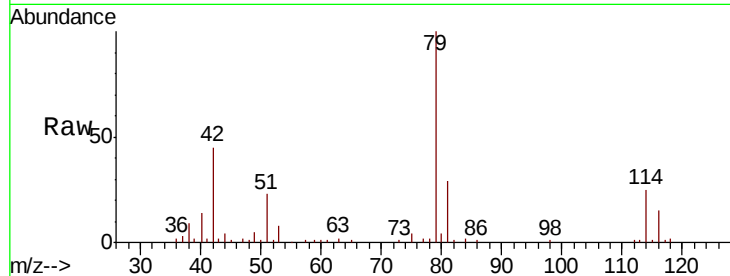
ClientSampleId :

Tot Ion: 75 Resp: 2187

Ion Ratio Lower Upper

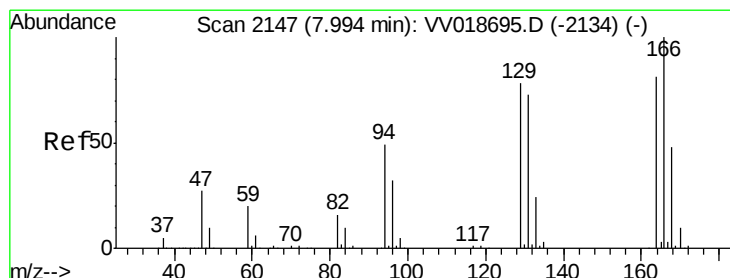
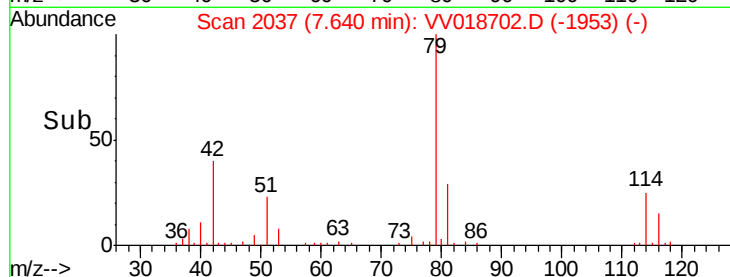
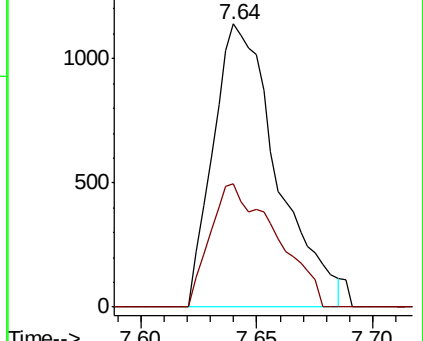
75 100

77 43.7 22.7 42.1#



Abundance Ion 75.00 (74.70 to 75.70): VV018695.D (-2028) (-)

Ion 77.00 (76.70 to 77.70): VV018695.D (-2028) (-)



#46

Tetrachloroethene

Concen: 11085.339 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.03 min

Lab File: VV018702.D

Acq: 06 Oct 2020 20:48

Tgt Ion:164 Resp:11932438

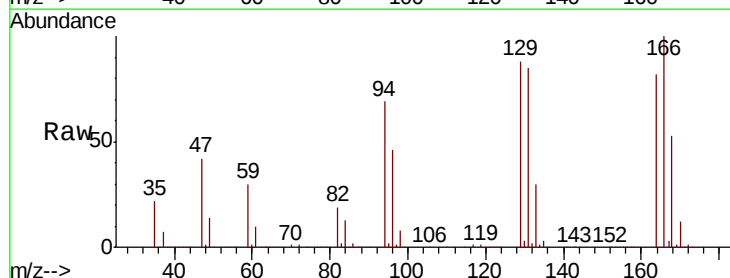
Ion Ratio Lower Upper

164 100

129 106.9 62.8 116.6

131 104.0 60.8 112.8

166 122.0 88.9 165.1

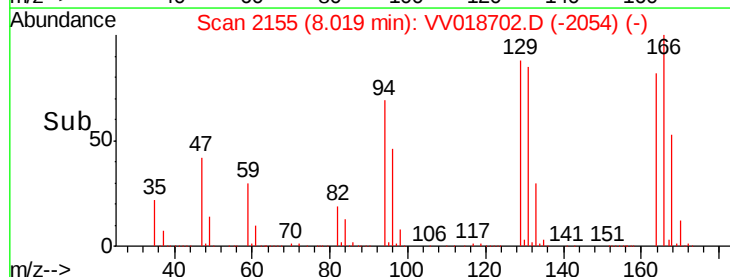
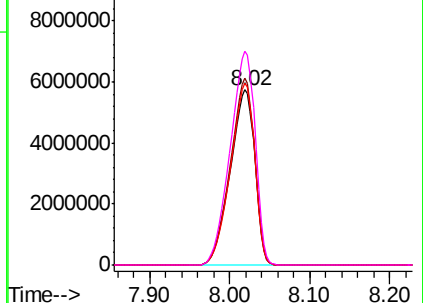


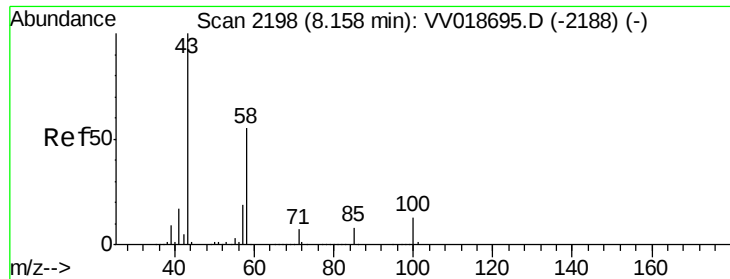
Abundance Ion 164.00 (163.70 to 164.70): VV018695.D (-2134) (-)

Ion 129.00 (128.70 to 129.70): VV018695.D (-2134) (-)

Ion 131.00 (130.70 to 131.70): VV018695.D (-2134) (-)

Ion 166.00 (165.70 to 166.70): VV018695.D (-2134) (-)

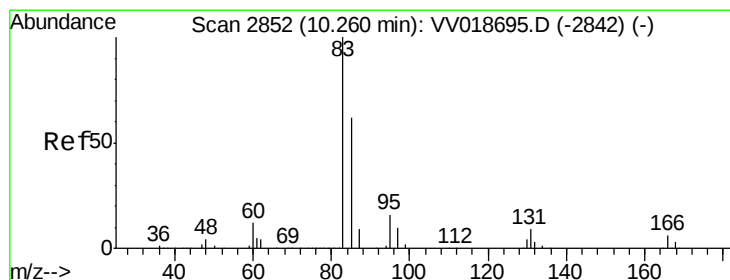
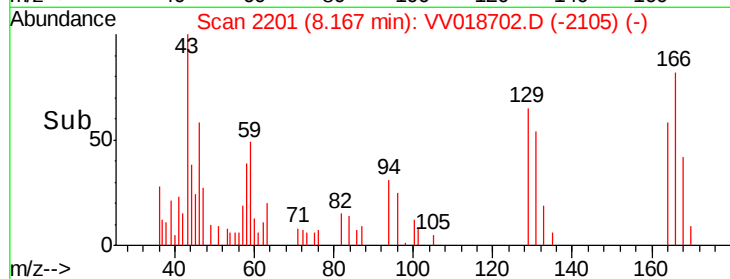
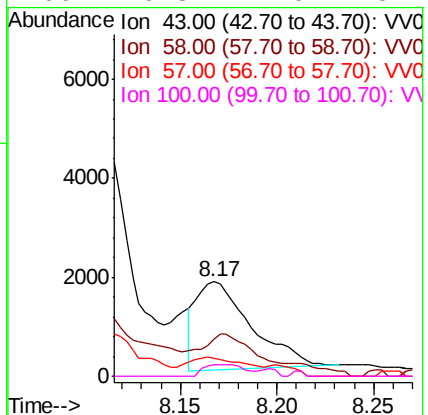
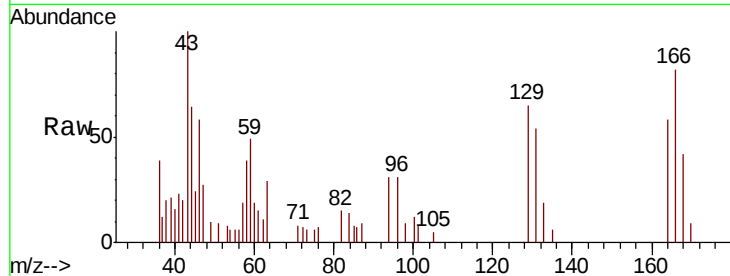




#48
 2-Hexanone
 Concen: 2.956 ug/L
 RT: 8.17 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: VV018702.D
 Acq: 06 Oct 2020 20:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 43 Resp: 3490
 Ion Ratio Lower Upper
 43 100
 58 26.4 45.1 67.7#
 57 7.1 15.7 23.5#
 100 10.3 11.0 16.4#



#58
 1,1,2,2-Tetrachloroethane
 Concen: 5.043 ug/L
 RT: 10.26 min Scan# 2852
 Delta R.T. -0.00 min
 Lab File: VV018702.D
 Acq: 06 Oct 2020 20:48

Tgt Ion: 83 Resp: 8251
 Ion Ratio Lower Upper
 83 100
 85 66.8 44.5 82.7
 131 15.7 8.6 12.8#

