

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100820\
 Data File : VV018760.D
 Acq On : 08 Oct 2020 13:14
 Operator : SY/MD
 Sample : L4254-10
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3P2

Quant Time: Oct 09 07:17:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 09 07:09:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	348430	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	349053	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	167205	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	103236	50.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.04%
7) Chloroethane-d5	1.58	69	96000	56.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.64%
11) 1,1-Dichloroethene-d2	2.12	63	183688	44.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.24%
21) 2-Butanone-d5	3.90	46	167934	110.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.17%
24) Chloroform-d	4.37	84	243575	55.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.24%
26) 1,2-Dichloroethane-d4	5.05	65	167800	59.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.64%
32) Benzene-d6	5.07	84	474543	53.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.34%
36) 1,2-Dichloropropane-d6	6.09	67	160692	60.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	120.30%#
41) Toluene-d8	7.33	98	421789	50.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.42%
43) trans-1,3-Dichloropropene-	7.64	79	71556	49.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.16%
47) 2-Hexanone-d5	8.10	63	87721	86.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.45%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	176451	49.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.64%
64) 1,2-Dichlorobenzene-d4	11.65	152	180440	56.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.22%

Target Compounds

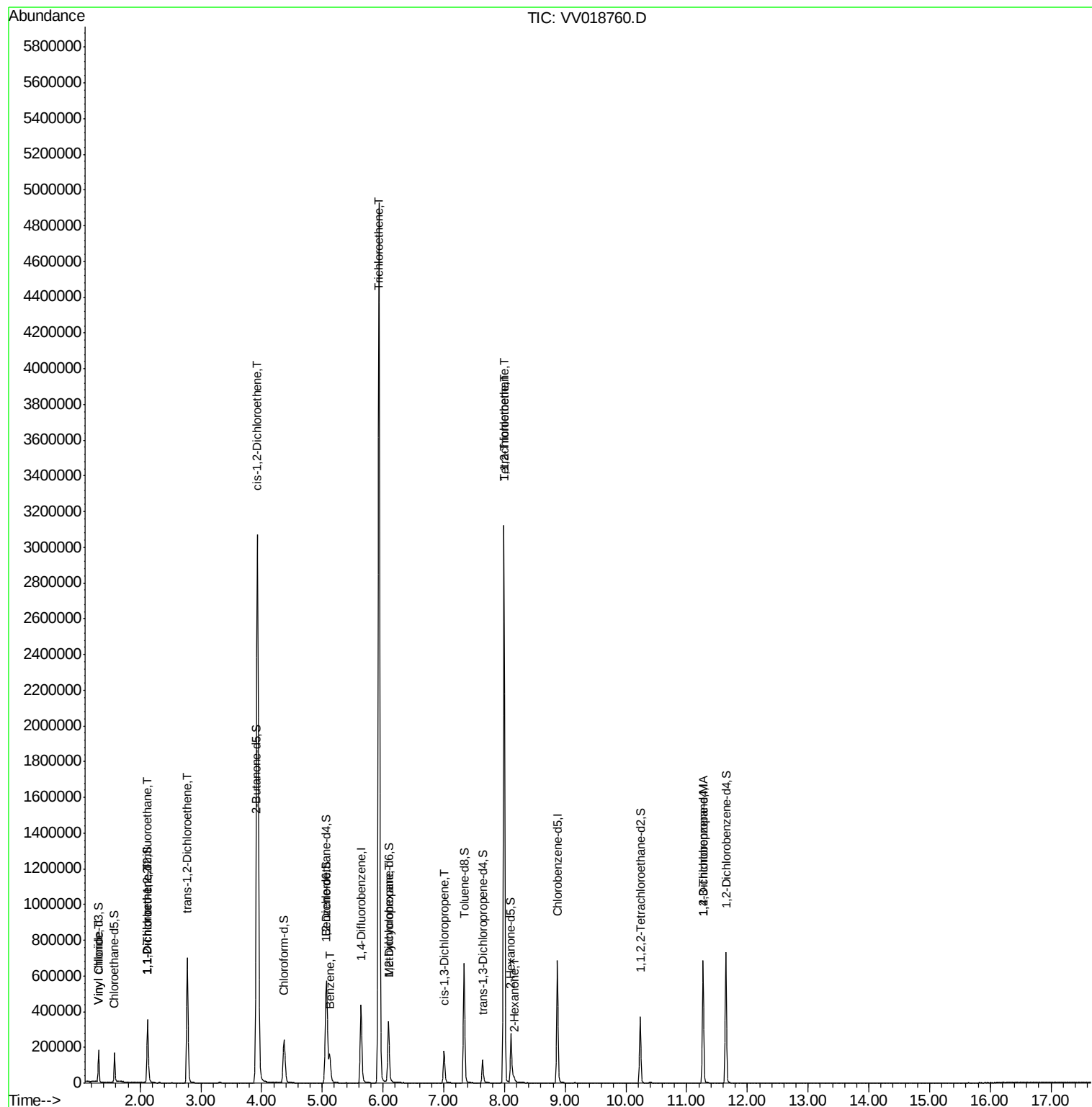
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	9582	3.595	ug/L	84
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1623	0.716	ug/L #	17
12) 1,1-Dichloroethene	2.13	96	20135	9.257	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	247551	99.464	ug/L	90
20) cis-1,2-Dichloroethene	3.93	96	1636935	618.866	ug/L	87
33) Benzene	5.12	78	161826	15.781	ug/L	100
34) Trichloroethene	5.93	95	1682042	564.992	ug/L	94
35) Methylcyclohexane	6.09	83	37827	9.419	ug/L #	20
39) cis-1,3-Dichloropropene	7.01	75	4870	1.180	ug/L #	68
45) 1,1,2-Trichloroethane	7.99	97	5941	2.281	ug/L #	1
46) Tetrachloroethene	7.99	164	668884	276.940	ug/L	96
48) 2-Hexanone	8.16	43	16588	6.262	ug/L #	74
59) 1,2,3-Trichloropropane	11.27	75	21000	6.562	ug/L	91

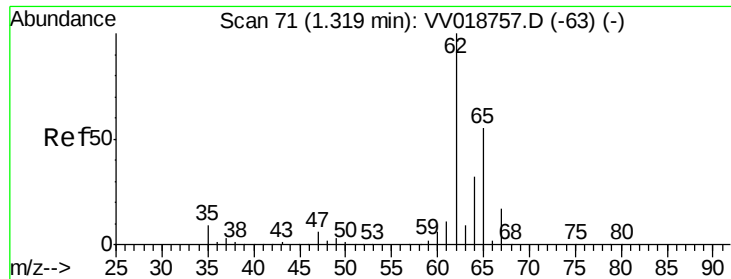
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 09 07:09:39 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.595 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV018760.D

Acq: 08 Oct 2020 13:14

Instrument :

MSVOA_V

ClientSampled :

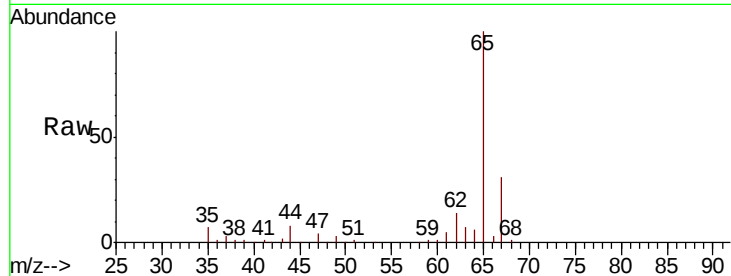
BG3P2

Tot Ion: 62 Resp: 9582

Ion Ratio Lower Upper

62 100

64 41.9 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV018757.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV018757.D (-63) (-)

1.32

10000

8000

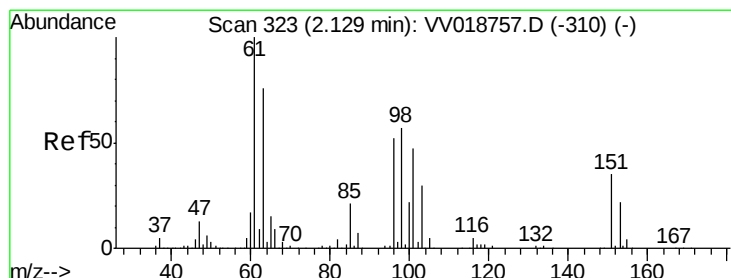
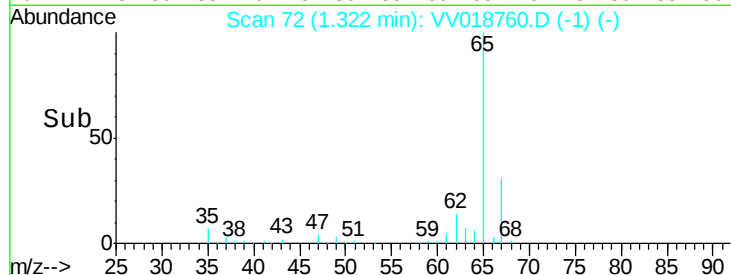
6000

4000

2000

0

Time-->



#10

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

Concen: 0.716 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV018760.D

Acq: 08 Oct 2020 13:14

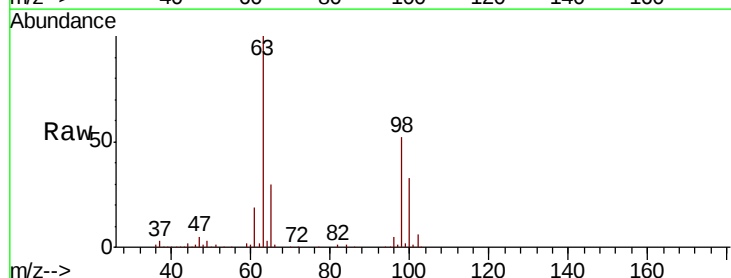
Tgt Ion: 101 Resp: 1623

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): VV018757.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV018757.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV018757.D (-310) (-)

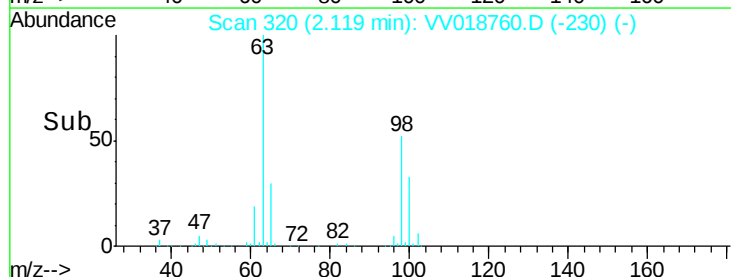
2.12

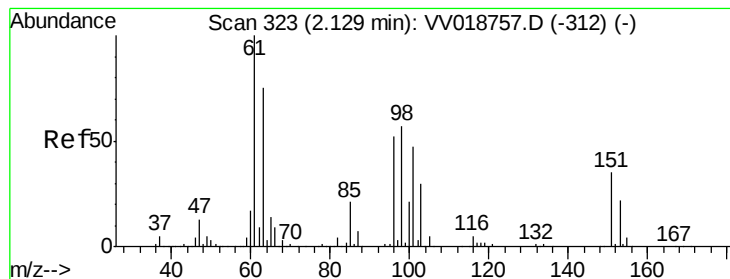
1000

500

0

Time-->





#12

1,1-Dichloroethene

Concen: 9.257 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018760.D

Acq: 08 Oct 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

BG3P2

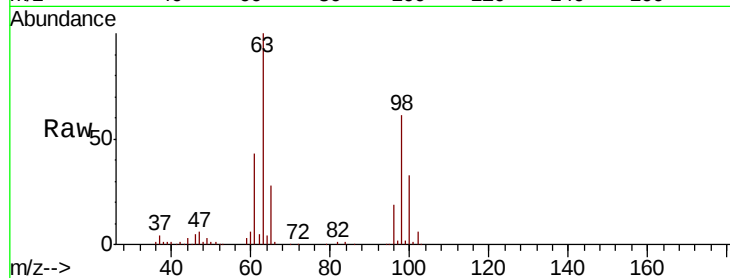
Tot Ion: 96 Resp: 20135

Ion Ratio Lower Upper

96 100

61 226.3 122.8 228.1

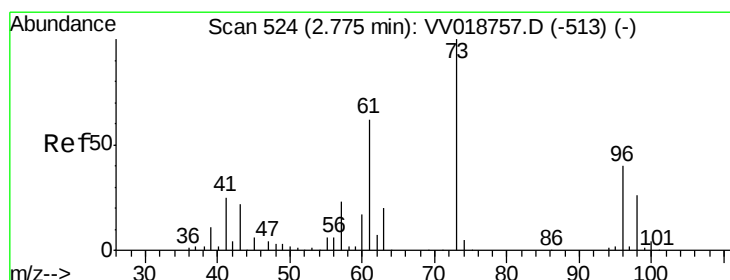
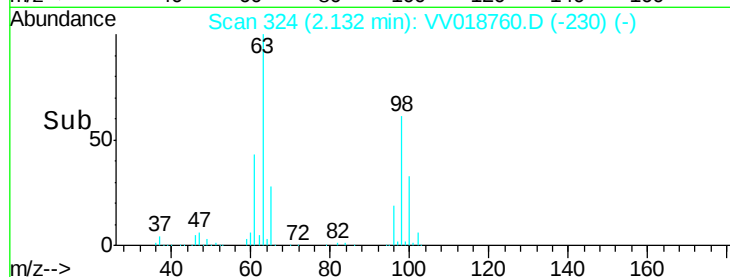
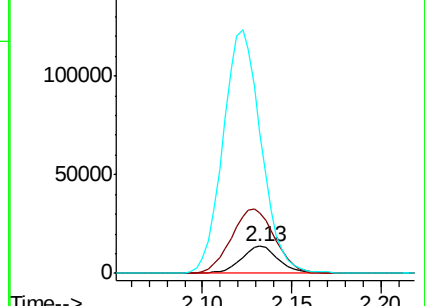
63 526.7 91.9 170.7#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#17

trans-1,2-Dichloroethene

Concen: 99.464 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV018760.D

Acq: 08 Oct 2020 13:14

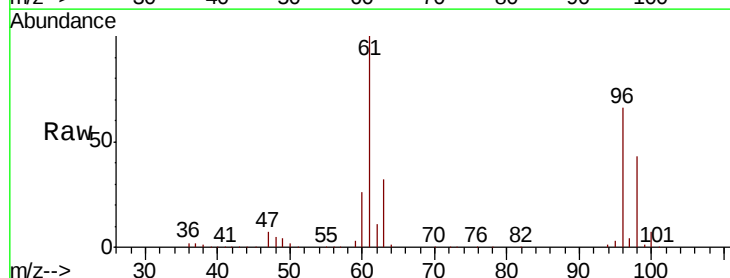
Tgt Ion: 96 Resp: 247551

Ion Ratio Lower Upper

96 100

61 152.3 95.0 176.4

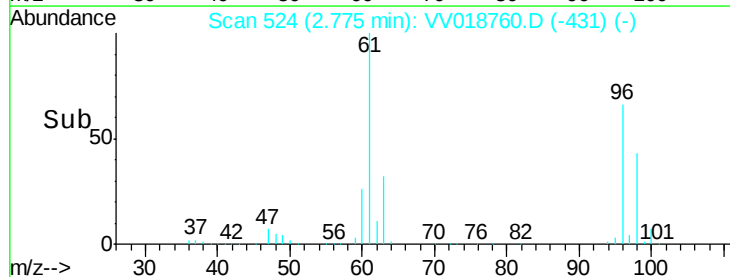
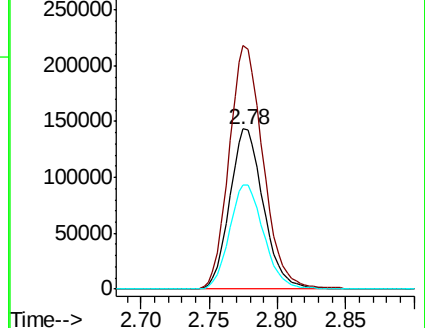
98 65.4 44.6 82.8

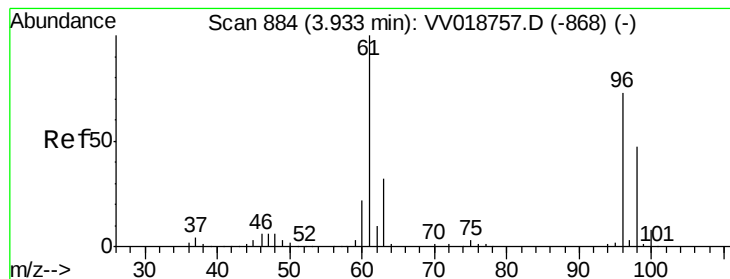


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#20

cis-1,2-Dichloroethene

Concen: 618.866 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.00 min

Lab File: VV018760.D

Acq: 08 Oct 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

BG3P2

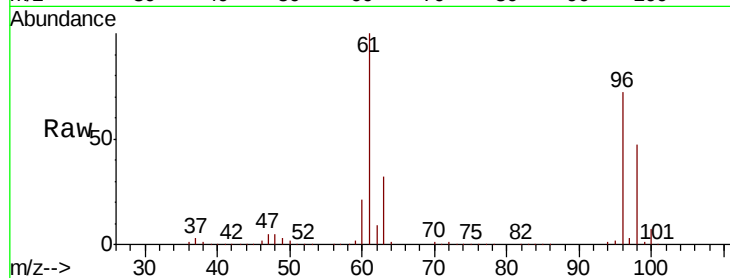
Tot Ion: 96 Resp: 1636935

Ion Ratio Lower Upper

96 100

61 138.6 86.8 161.2

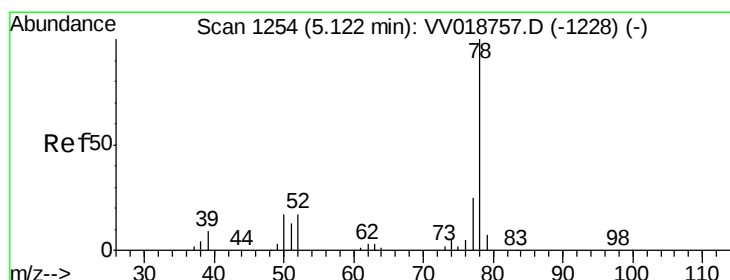
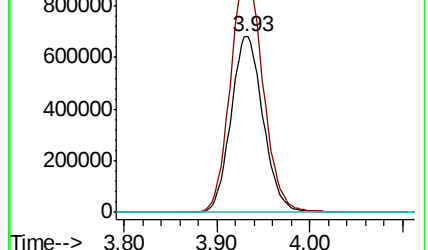
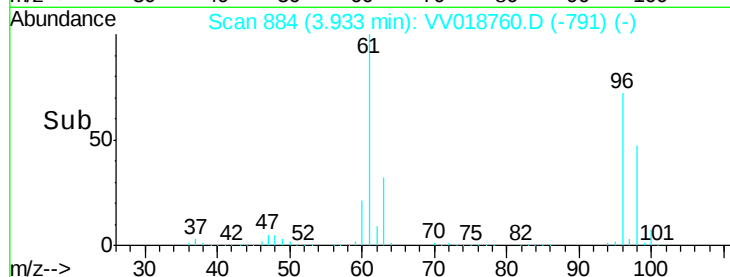
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV018757.D (-868) (-)

Ion 61.00 (60.70 to 61.70): VV018757.D (-868) (-)

Ion 68.00 (67.70 to 68.70): VV018757.D (-868) (-)



#33

Benzene

Concen: 15.781 ug/L

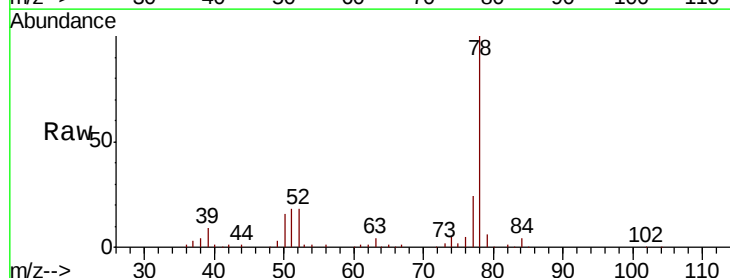
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV018760.D

Acq: 08 Oct 2020 13:14

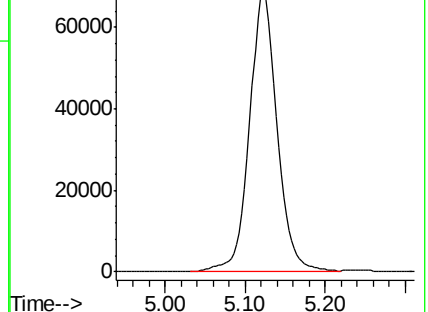
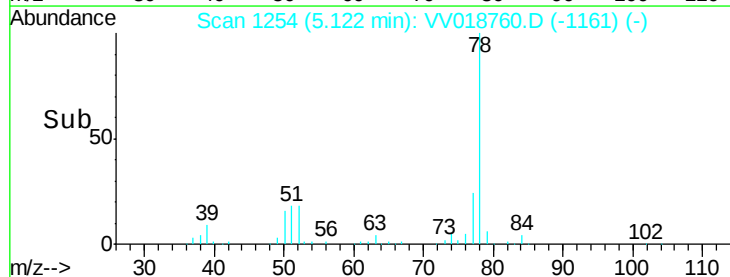
Tgt Ion: 78 Resp: 161826

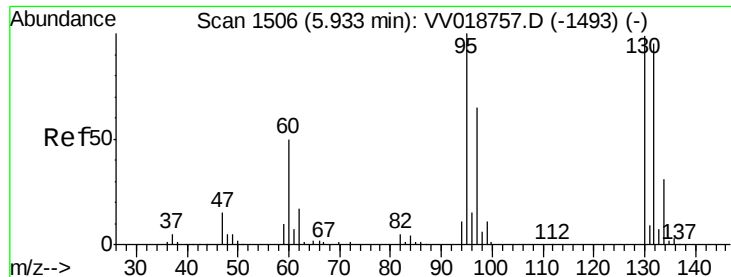


Abundance Ion 78.00 (77.70 to 78.70): VV018757.D (-1228) (-)

Ion 51.00 (50.70 to 51.70): VV018757.D (-1228) (-)

Ion 63.00 (62.70 to 63.70): VV018757.D (-1228) (-)





#34

Trichloroethene

Concen: 564.992 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV018760.D

Acq: 08 Oct 2020 13:14

Instrument :

MSVOA_V

ClientSampled :

BG3P2

Tot Ion: 95 Resp: 1682042

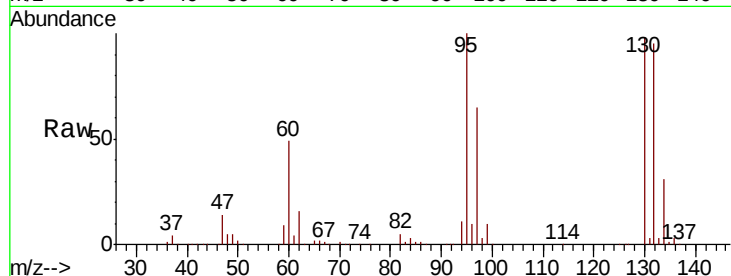
Ion Ratio Lower Upper

95 100

97 65.0 45.9 85.3

132 94.6 70.8 131.4

130 98.3 75.3 139.8

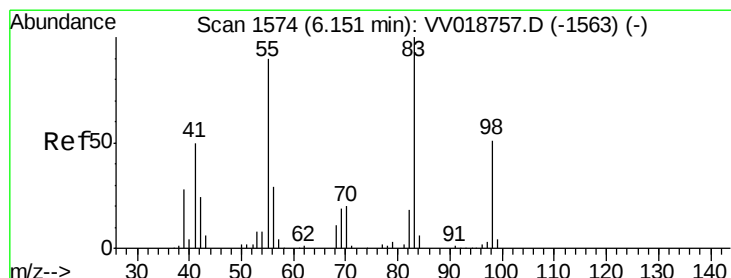
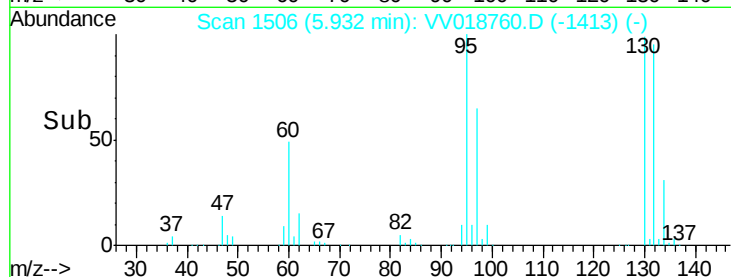
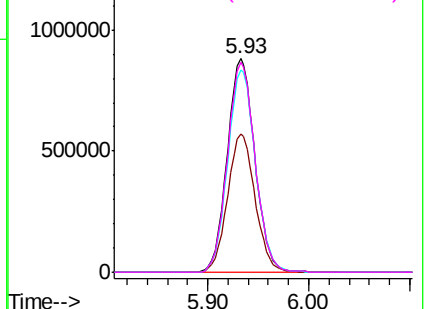


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 9.419 ug/L

RT: 6.09 min Scan# 1555

Delta R.T. -0.06 min

Lab File: VV018760.D

Acq: 08 Oct 2020 13:14

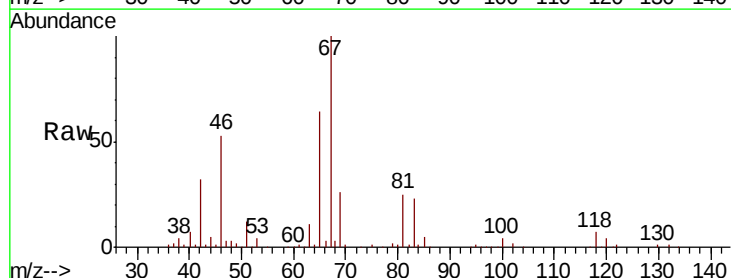
Tgt Ion: 83 Resp: 37827

Ion Ratio Lower Upper

83 100

55 0.8 60.1 90.1#

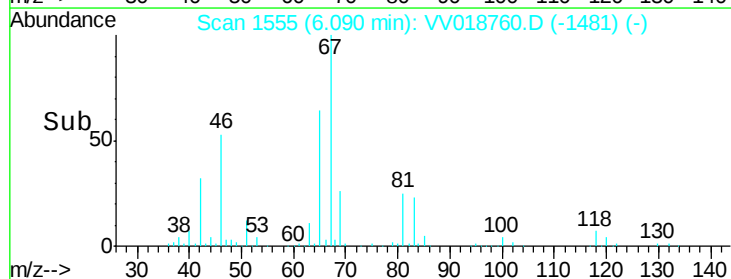
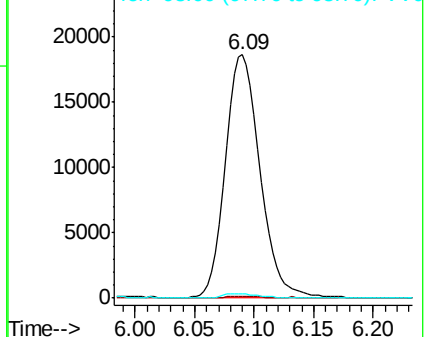
98 1.9 40.2 60.4#

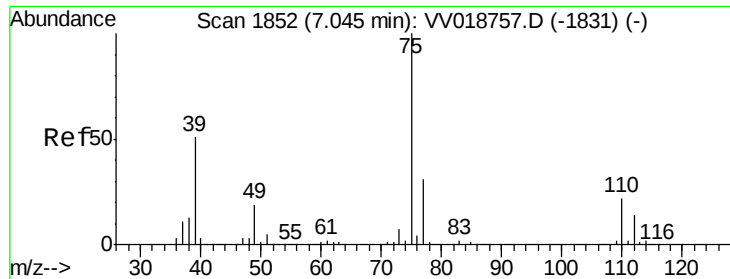


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

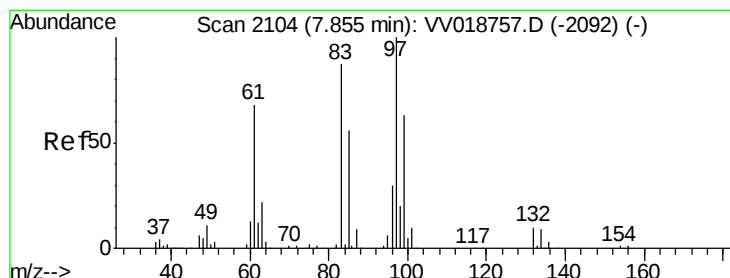
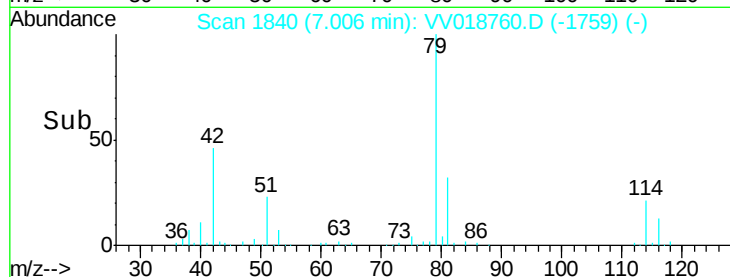
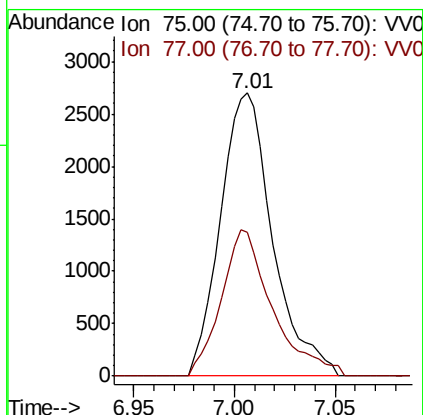
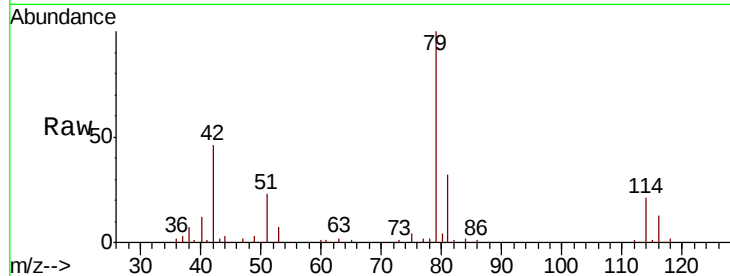




#39
 cis-1,3-Dichloropropene
 Concen: 1.180 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018760.D
 Acq: 08 Oct 2020 13:14

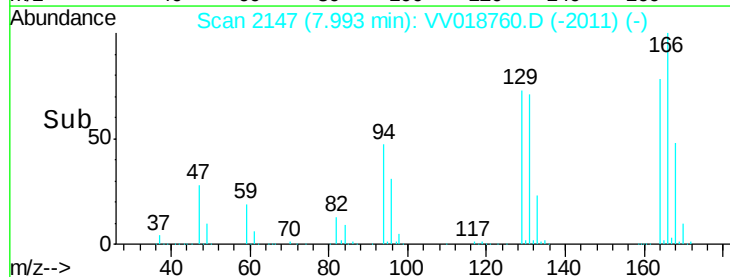
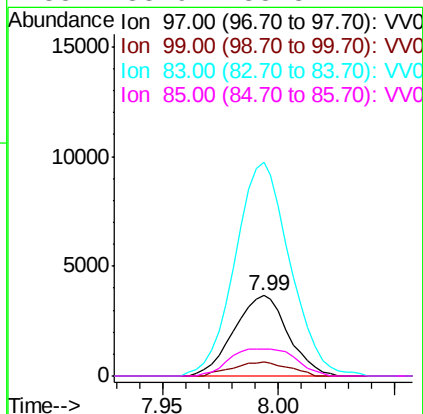
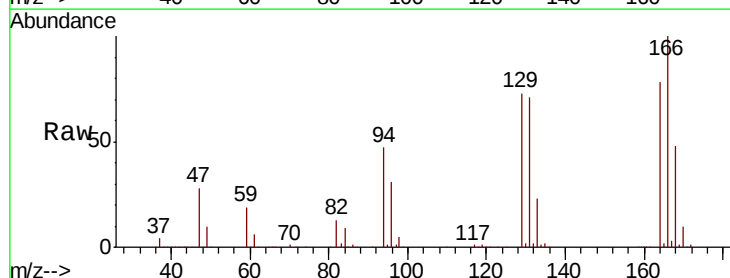
Instrument :
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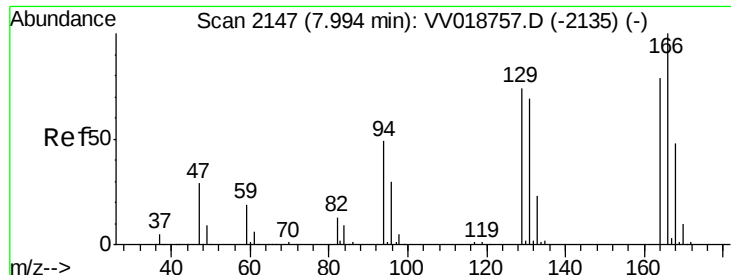
Tot Ion: 75 Resp: 4870
 Ion Ratio Lower Upper
 75 100
 77 50.8 23.0 42.6#



#45
 1,1,2-Trichloroethane
 Concen: 2.281 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. 0.14 min
 Lab File: VV018760.D
 Acq: 08 Oct 2020 13:14

Tgt Ion: 97 Resp: 5941
 Ion Ratio Lower Upper
 97 100
 99 16.9 43.3 80.3#
 83 266.7 60.5 112.5#
 85 33.9 38.3 71.1#

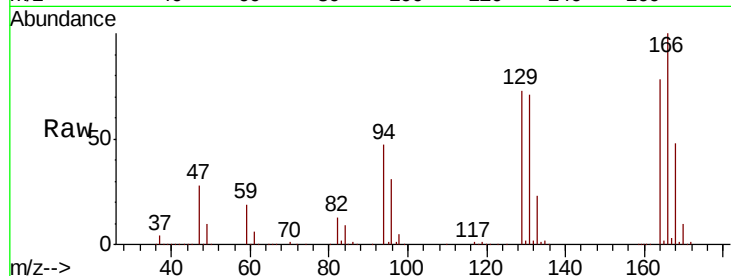




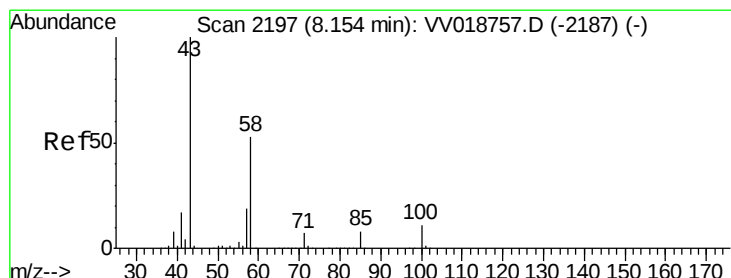
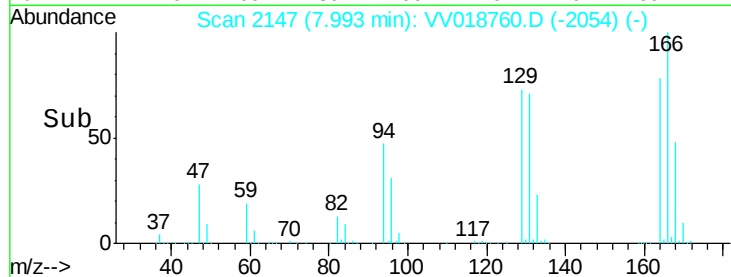
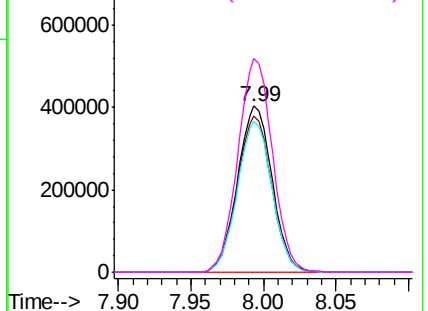
#46
Tetrachloroethene
Concen: 276.940 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. -0.00 min
Lab File: VV018760.D
Acq: 08 Oct 2020 13:14

Instrument :
MSVOA_V
ClientSampleId :
BG3P2

Tot Ion	Ratio	Lower	Upper
164	100		
129	94.5	62.8	116.6
131	91.2	60.8	112.8
166	128.8	88.9	165.1

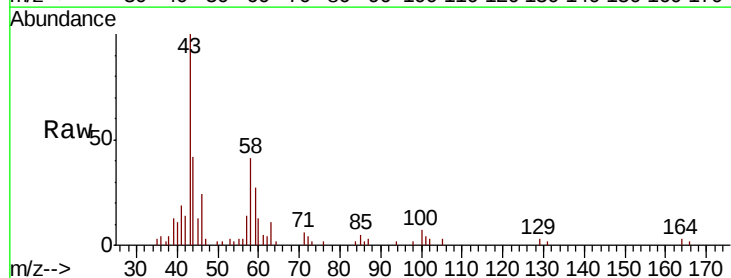


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

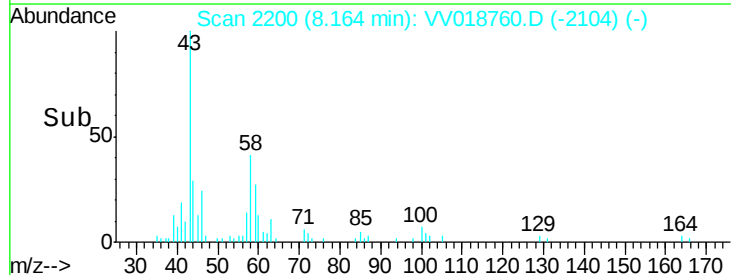
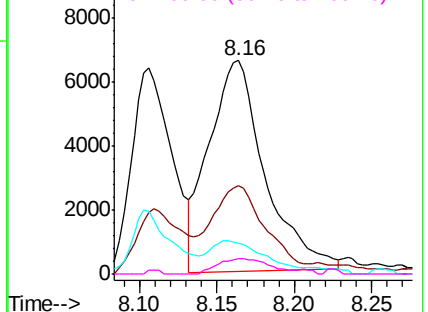


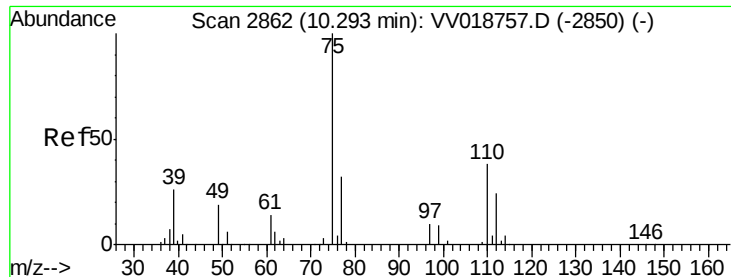
#48
2-Hexanone
Concen: 6.262 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV018760.D
Acq: 08 Oct 2020 13:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.4	45.1	67.7#
57	12.2	15.7	23.5#
100	6.4	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





#59

1,2,3-Trichloropropane

Concen: 6.562 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018760.D

Acq: 08 Oct 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

BG3P2

Tot Ion: 75 Resp: 21000

Ion Ratio Lower Upper

75 100

77 36.6 25.4 38.0

