

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081420\
 Data File : VV018005.D
 Acq On : 14 Aug 2020 18:36
 Operator : SY/MD
 Sample : L3665-07DL 5X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L39DL

Quant Time: Aug 17 01:38:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 17 01:31:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	257351	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	255152	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	121883	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	100021	50.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.88%
7) Chloroethane-d5	1.58	69	84978	52.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.80%
11) 1,1-Dichloroethene-d2	2.12	63	148418	39.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.04%
21) 2-Butanone-d5	3.91	46	132252	102.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.83%
24) Chloroform-d	4.37	84	177546	49.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.34%
26) 1,2-Dichloroethane-d4	5.06	65	124121	53.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.92%
32) Benzene-d6	5.07	84	365884	52.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.06%
36) 1,2-Dichloropropane-d6	6.09	67	118902	51.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.44%
41) Toluene-d8	7.34	98	323480	51.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.30%
43) trans-1,3-Dichloropropene-	7.64	79	51854	49.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.46%
47) 2-Hexanone-d5	8.11	63	65908	89.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.34%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	141766	47.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.72%
64) 1,2-Dichlorobenzene-d4	11.65	152	131750	54.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.84%

Target Compounds

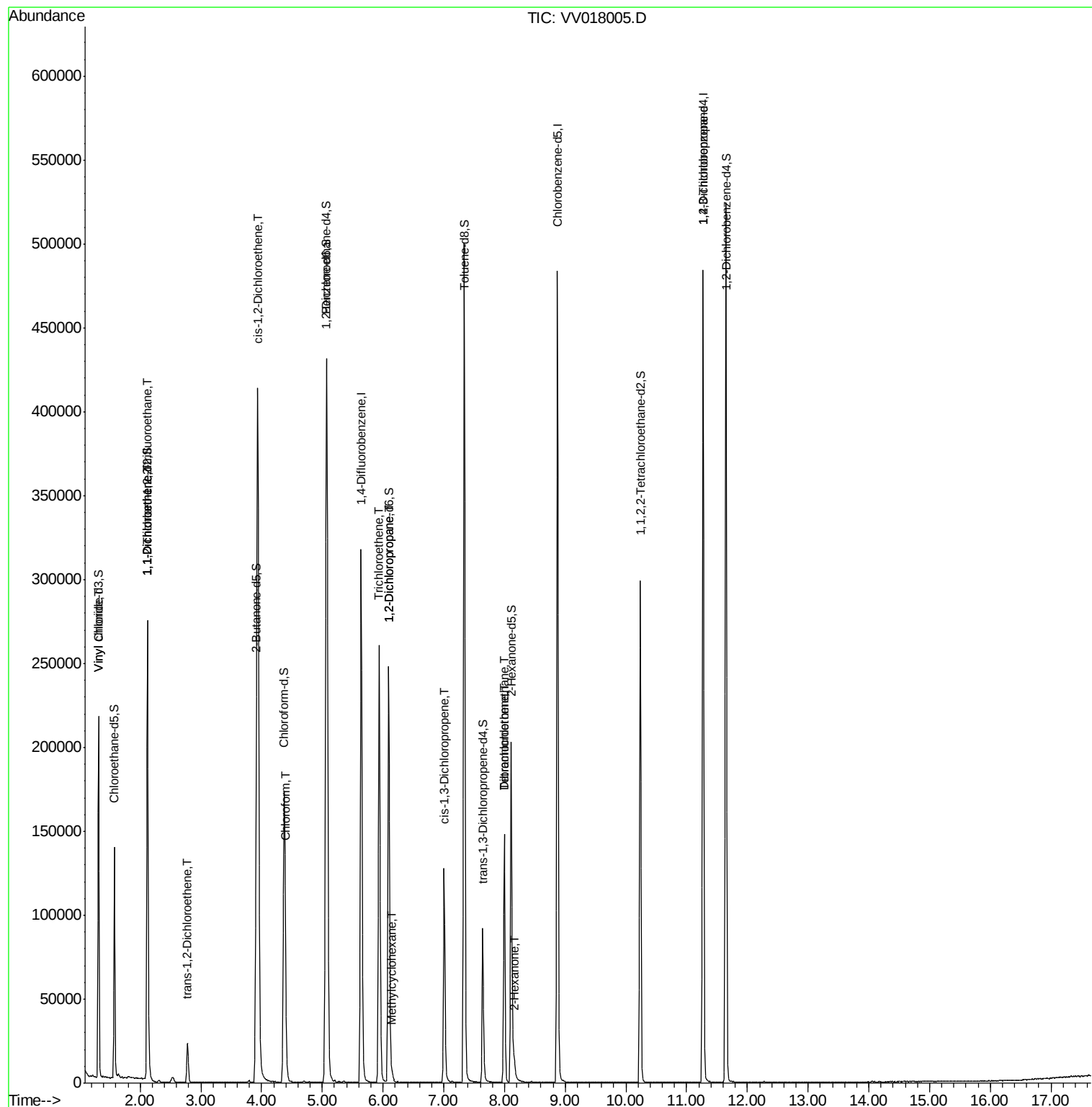
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	39212	17.148	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1242	0.681	ug/L #	20
12) 1,1-Dichloroethene	2.12	96	1333	0.772	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	8076	4.551	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	211717	108.570	ug/L	99
25) Chloroform	4.40	83	5906	1.623	ug/L	98
34) Trichloroethene	5.94	95	89242	42.769	ug/L	99
35) Methylcyclohexane	6.15	83	1775	0.572	ug/L	94
37) 1,2-Dichloropropane	6.09	63	13331	6.192	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2992	0.980	ug/L #	62
46) Tetrachloroethene	8.00	164	32733	21.390	ug/L	100
48) 2-Hexanone	8.16	43	5780	2.547	ug/L #	81
49) Dibromochloromethane	8.00	129	30477	15.662	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	15005	5.644	ug/L	93

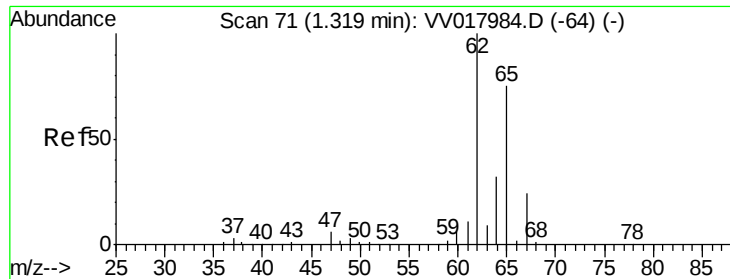
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Mon Aug 17 01:31:40 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 17.148 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018005.D

Acq: 14 Aug 2020 18:36

Instrument :

MSVOA_V

ClientSampleId :

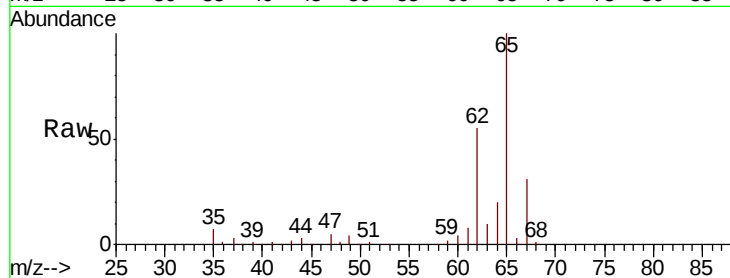
F4L39DL

Tot Ion: 62 Resp: 39212

Ion Ratio Lower Upper

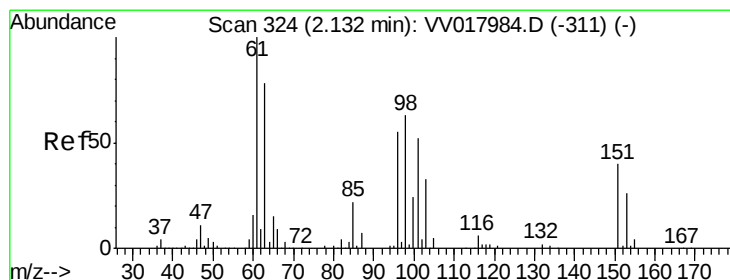
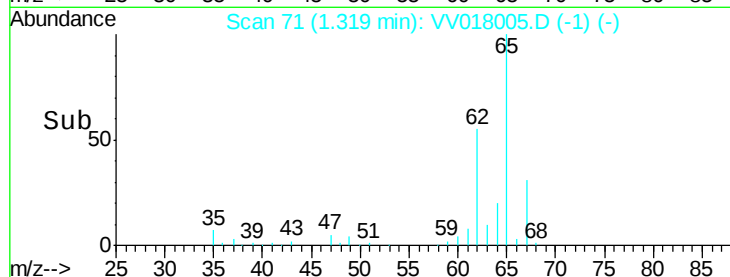
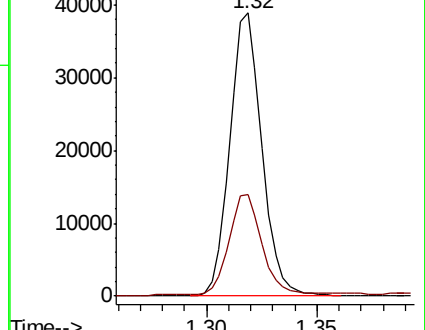
62 100

64 35.9 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV017984.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV017984.D (-64) (-)



#10

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

Concen: 0.681 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018005.D

Acq: 14 Aug 2020 18:36

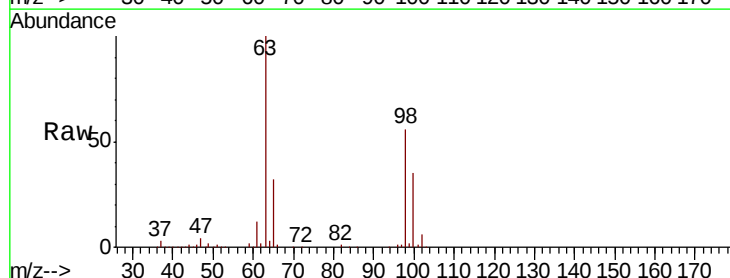
Tgt Ion: 101 Resp: 1242

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

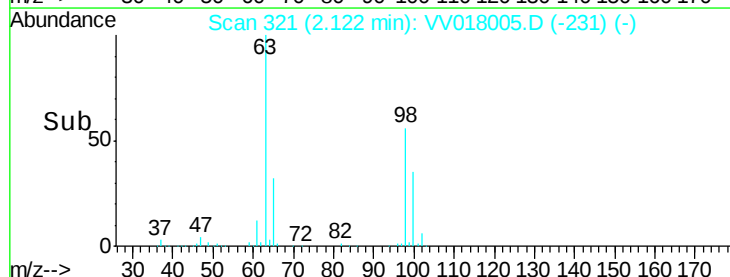
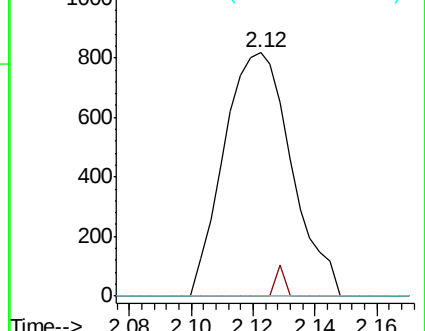
151 0.0 59.1 88.7#

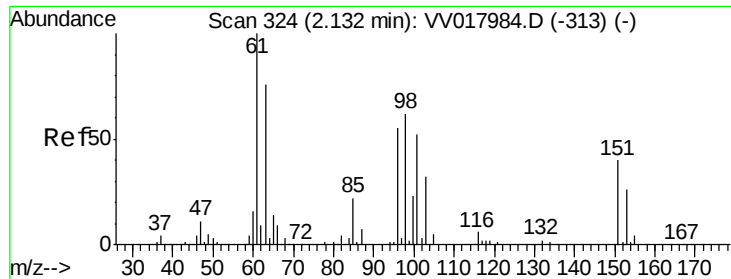


Abundance Ion 101.00 (100.70 to 101.70): VV017984.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV017984.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV017984.D (-311) (-)





#12

1,1-Dichloroethene

Concen: 0.772 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018005.D

Acq: 14 Aug 2020 18:36

Instrument :

MSVOA_V

ClientSampleId :

F4L39DL

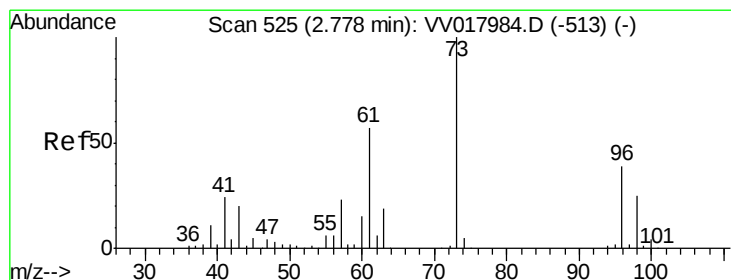
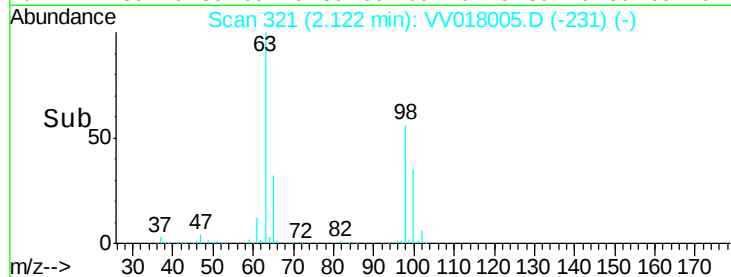
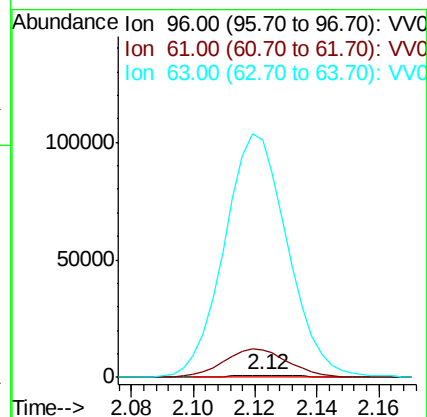
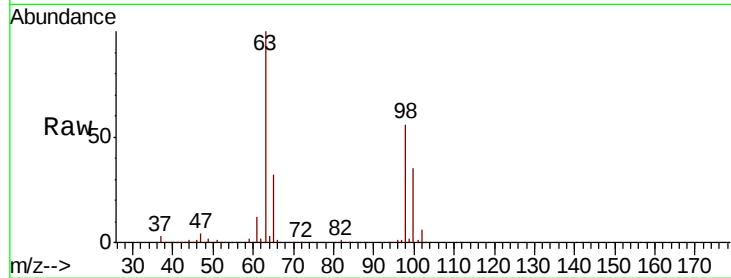
Tot Ion: 96 Resp: 1333

Ion Ratio Lower Upper

96 100

61 1423.6 127.1 236.0#

63 12059.4 95.2 176.8#



#17

trans-1,2-Dichloroethene

Concen: 4.551 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018005.D

Acq: 14 Aug 2020 18:36

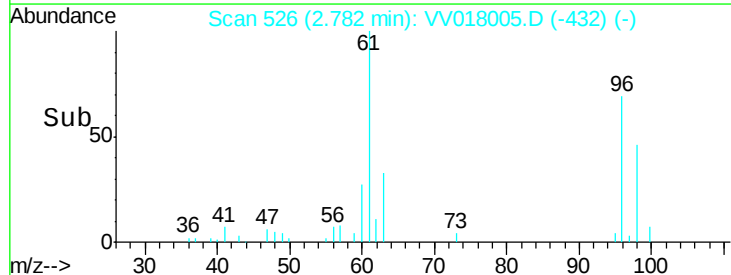
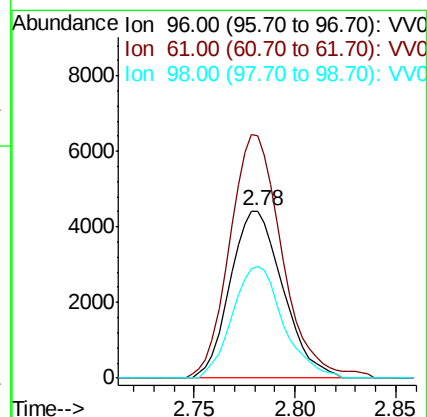
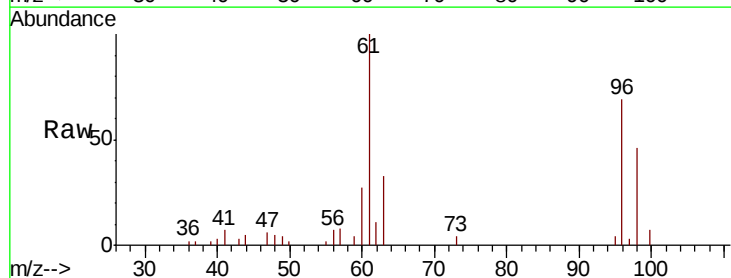
Tgt Ion: 96 Resp: 8076

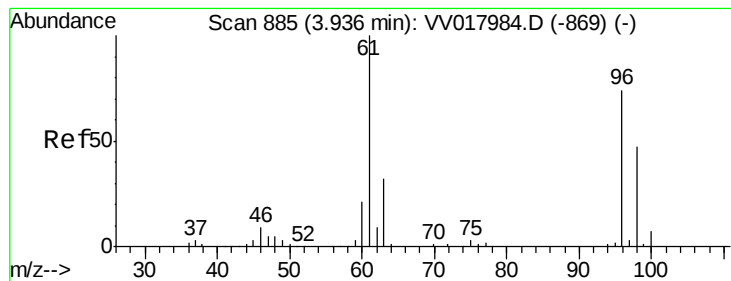
Ion Ratio Lower Upper

96 100

61 145.0 102.4 190.2

98 67.1 44.4 82.5



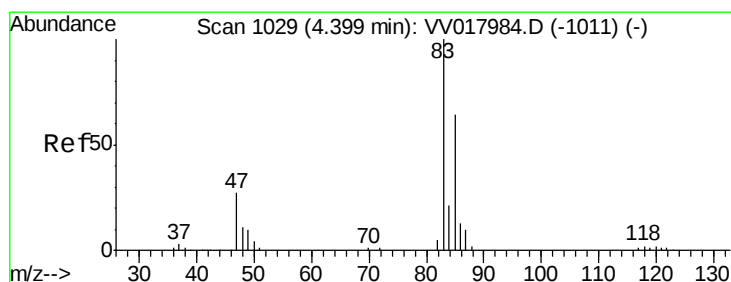
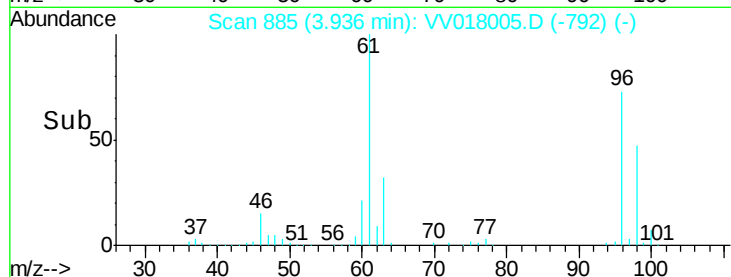
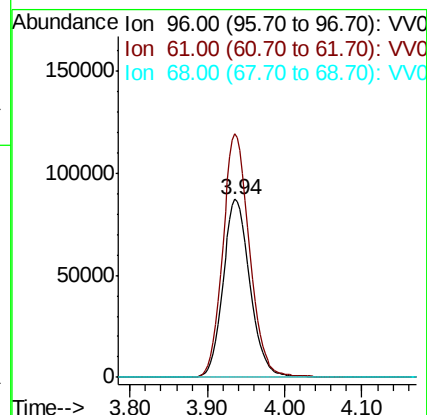
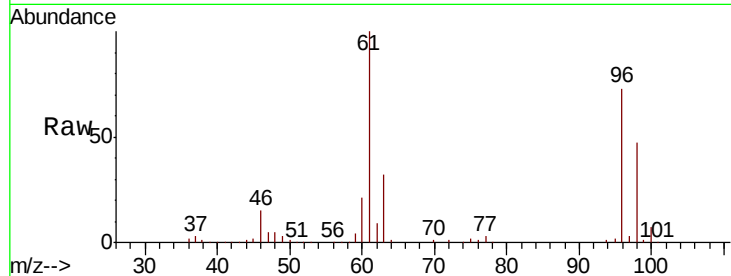


#20

cis-1,2-Dichloroethene
Concen: 108.570 ug/L
RT: 3.94 min Scan# 885
Delta R.T. -0.00 min
Lab File: VV018005.D
Acq: 14 Aug 2020 18:36

Instrument :
MSVOA_V
ClientSampleId :
F4L39DL

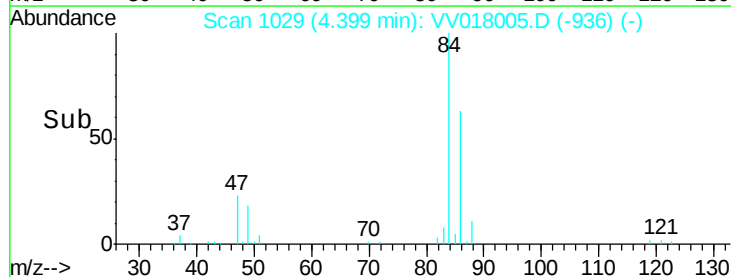
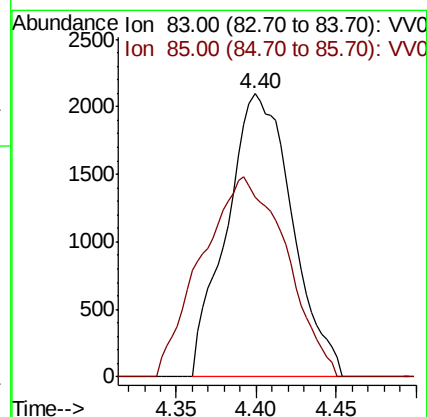
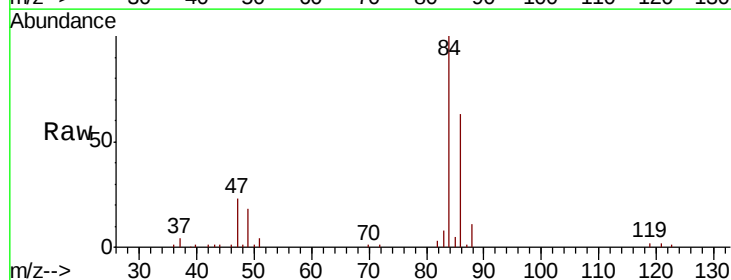
Tot Ion: 96 Resp: 211717
Ion Ratio Lower Upper
96 100
61 136.8 95.0 176.4
68 0.0 0.0 0.0

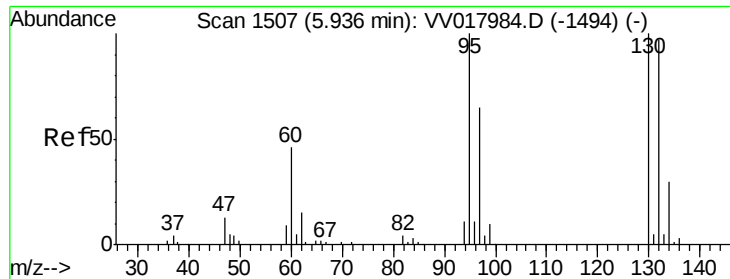


#25

Chloroform
Concen: 1.623 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018005.D
Acq: 14 Aug 2020 18:36

Tgt Ion: 83 Resp: 5906
Ion Ratio Lower Upper
83 100
85 63.6 45.5 84.5





#34

Trichloroethene

Concen: 42.769 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018005.D

Acq: 14 Aug 2020 18:36

Instrument :

MSVOA_V

ClientSampleId :

F4L39DL

Tot Ion: 95 Resp: 89242

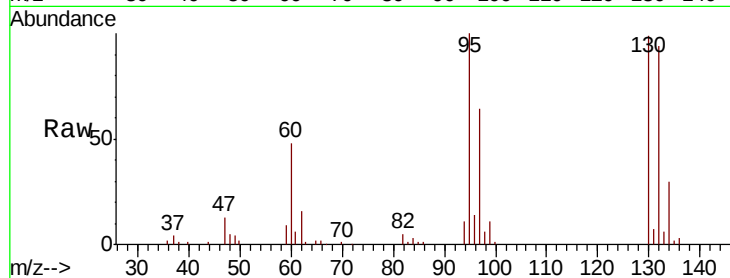
Ion Ratio Lower Upper

95 100

97 64.3 46.0 85.4

132 94.5 65.8 122.2

130 99.0 69.2 128.6

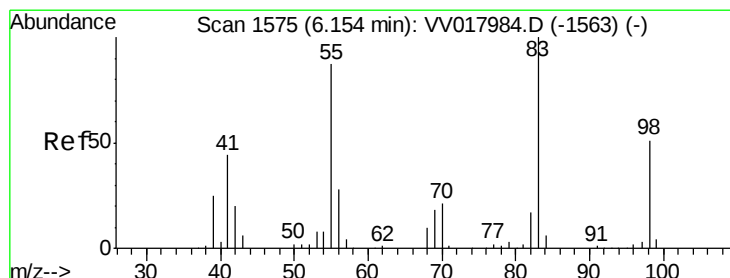
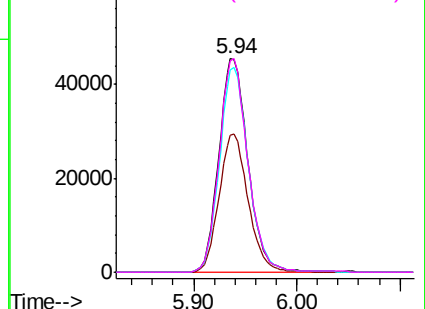
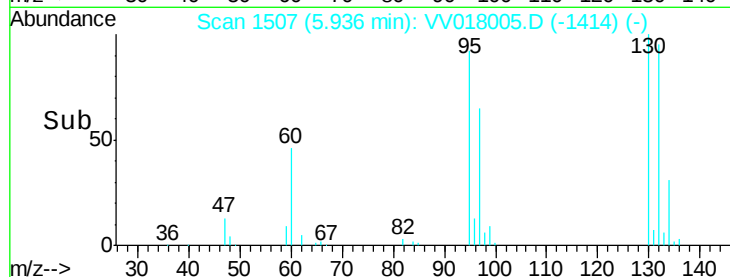


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.572 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV018005.D

Acq: 14 Aug 2020 18:36

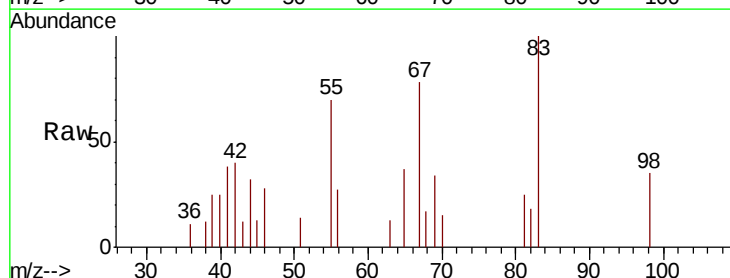
Tgt Ion: 83 Resp: 1775

Ion Ratio Lower Upper

83 100

55 78.2 64.9 97.3

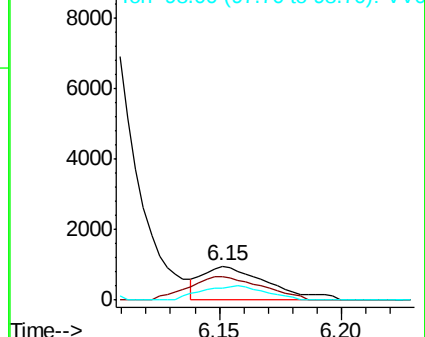
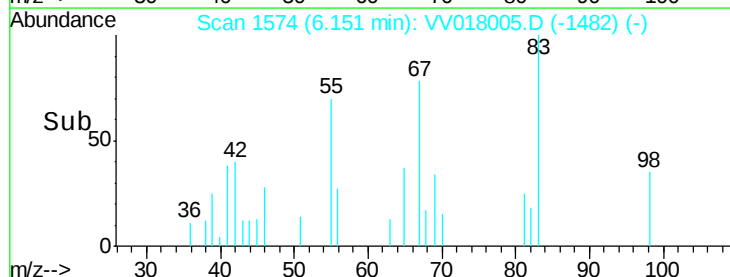
98 41.1 38.7 58.1

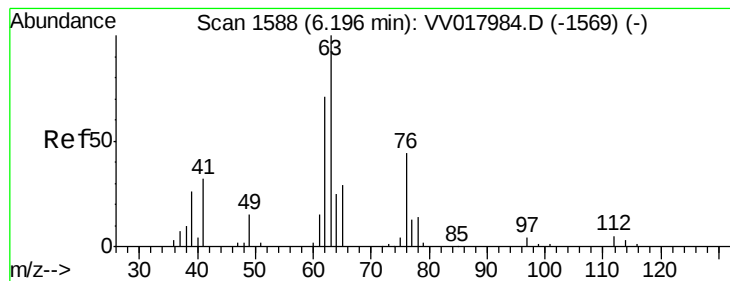


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 6.192 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV018005.D

Acq: 14 Aug 2020 18:36

Instrument :

MSVOA_V

ClientSampled :

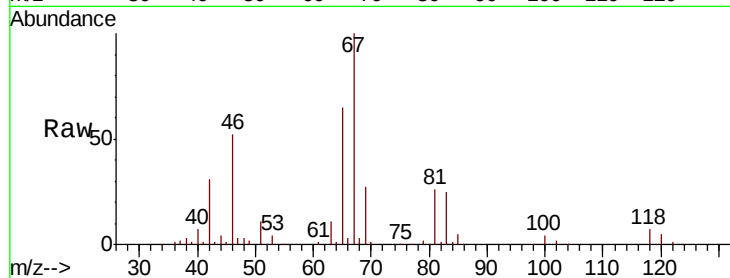
F4L39DL

Tot Ion: 63 Resp: 13331

Ion Ratio Lower Upper

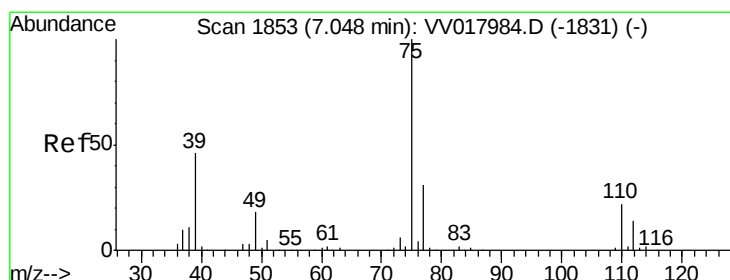
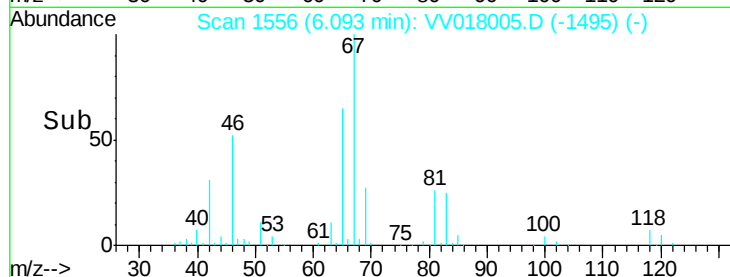
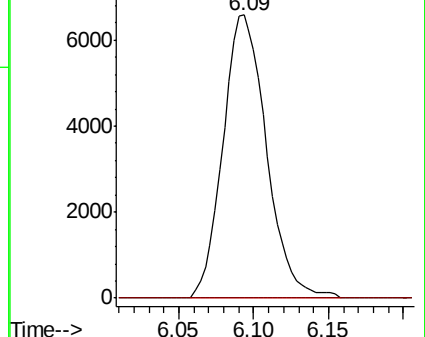
63 100

112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV017984.D (-1569) (-)

Ion 112.00 (111.70 to 112.70): VV017984.D (-1569) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.980 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV018005.D

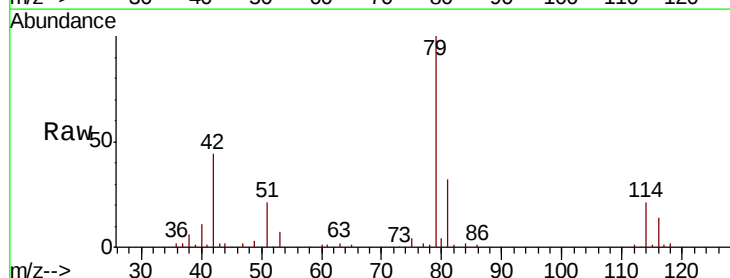
Acq: 14 Aug 2020 18:36

Tgt Ion: 75 Resp: 2992

Ion Ratio Lower Upper

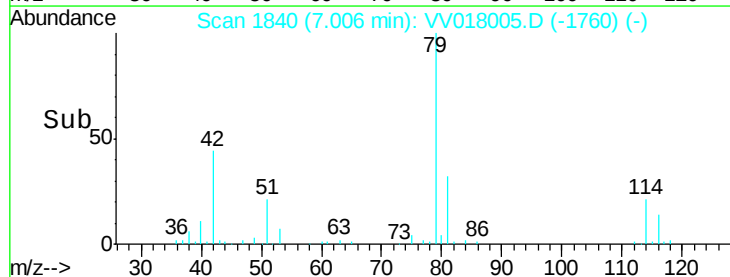
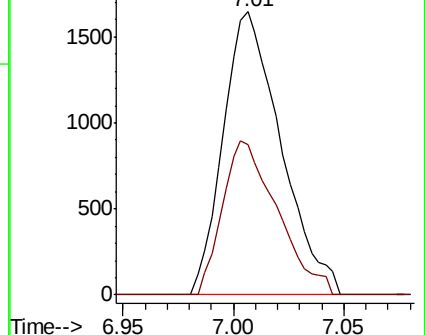
75 100

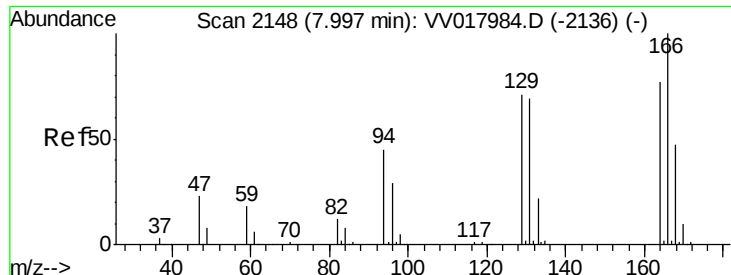
77 53.3 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VV017984.D (-1831) (-)

Ion 77.00 (76.70 to 77.70): VV017984.D (-1831) (-)

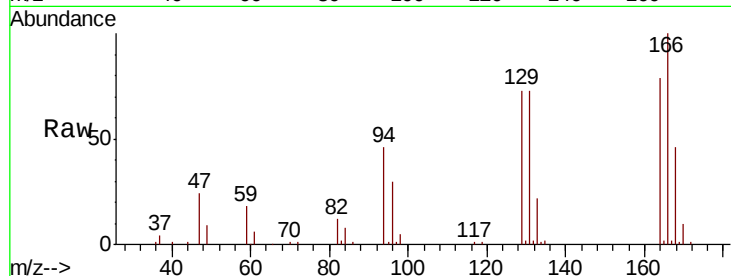




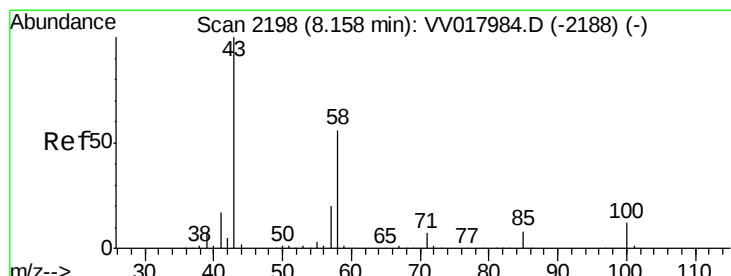
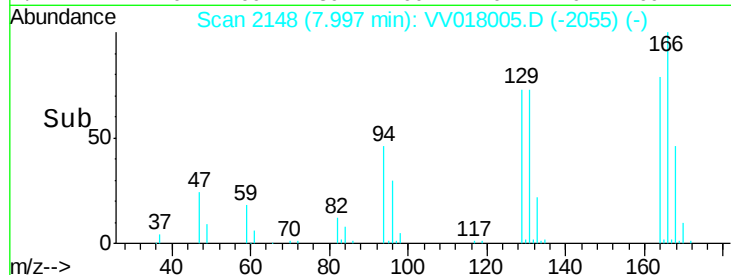
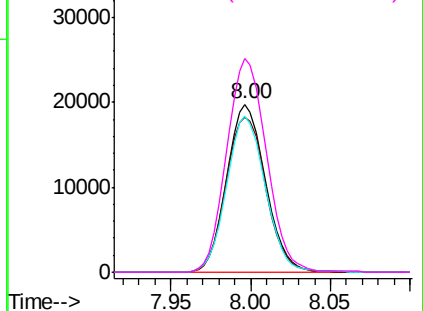
#46
Tetrachloroethene
Concen: 21.390 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV018005.D
Acq: 14 Aug 2020 18:36

Instrument :
MSVOA_V
ClientSampleId :
F4L39DL

Tot Ion:164 Resp: 32733
Ion Ratio Lower Upper
164 100
129 92.5 64.8 120.3
131 92.9 64.5 119.9
166 127.4 88.9 165.1

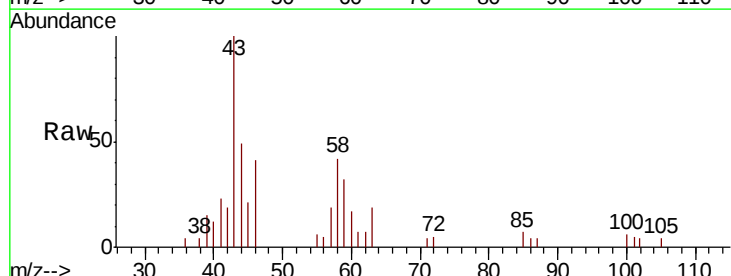


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

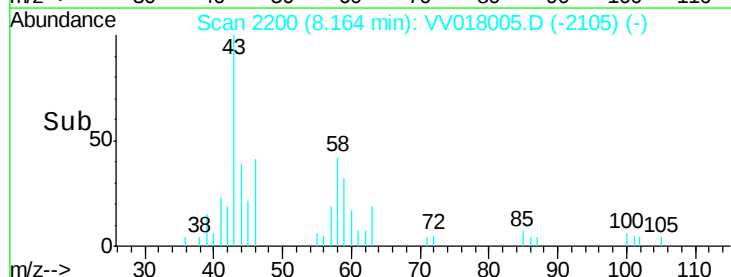
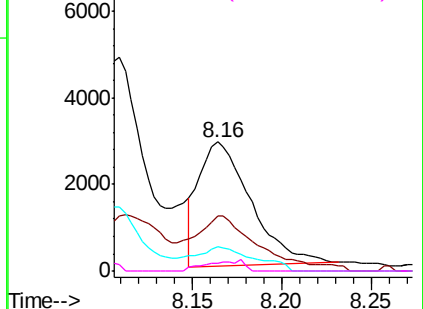


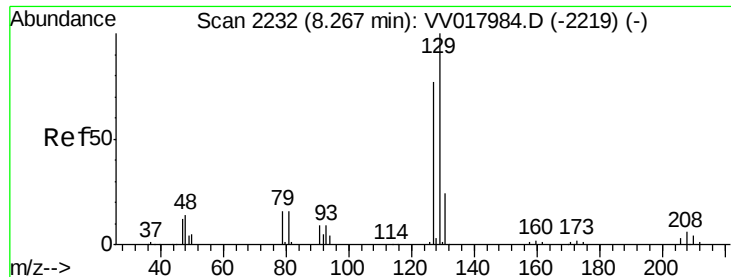
#48
2-Hexanone
Concen: 2.547 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV018005.D
Acq: 14 Aug 2020 18:36

Tgt Ion: 43 Resp: 5780
Ion Ratio Lower Upper
43 100
58 38.9 44.4 66.6#
57 17.8 15.2 22.8
100 2.4 9.8 14.6#



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





#49

Dibromochloromethane

Concen: 15.662 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV018005.D

Acq: 14 Aug 2020 18:36

Instrument :

MSVOA_V

ClientSampleId :

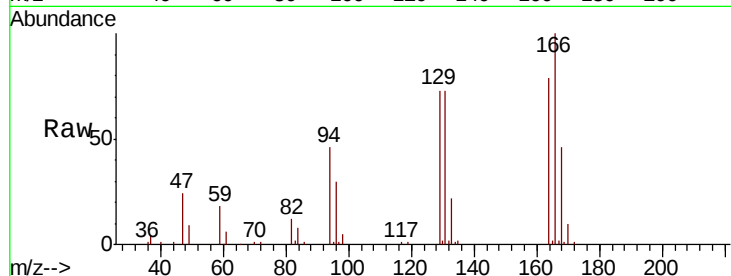
F4L39DL

Tot Ion:129 Resp: 30477

Ion Ratio Lower Upper

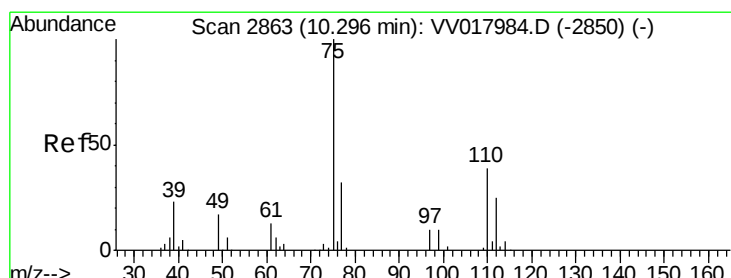
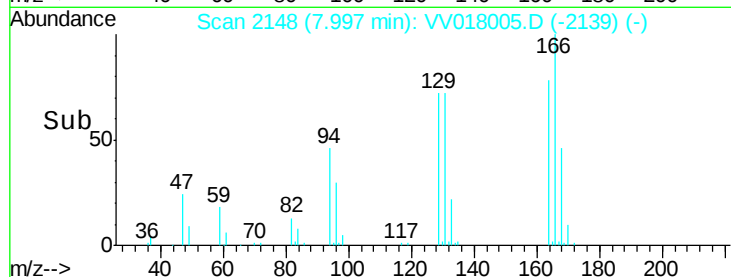
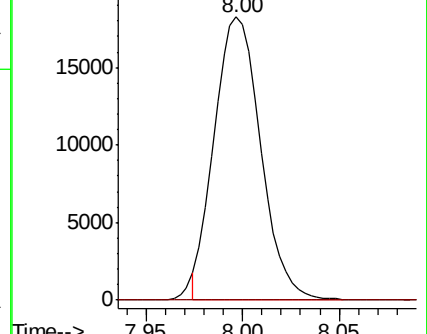
129 100

127 0.0 54.9 101.9#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 5.644 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV018005.D

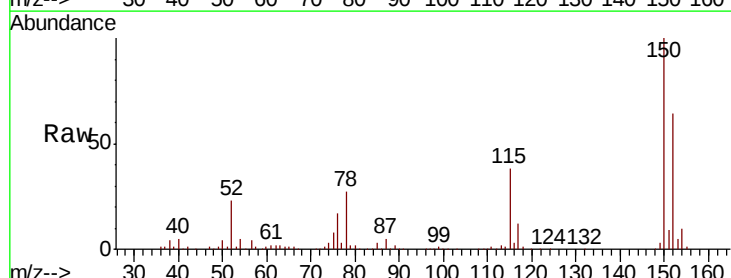
Acq: 14 Aug 2020 18:36

Tgt Ion: 75 Resp: 15005

Ion Ratio Lower Upper

75 100

77 35.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

