

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017944.D
 Acq On : 12 Aug 2020 23:00
 Operator : SY/MD
 Sample : L3644-10DL 20X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L66DL

Quant Time: Aug 13 06:01:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 05:58:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	254482	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	249528	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	113073	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88537	45.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.20%
7) Chloroethane-d5	1.58	69	77767	48.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.92%
11) 1,1-Dichloroethene-d2	2.12	63	135695	36.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.08%
21) 2-Butanone-d5	3.91	46	126805	99.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.71%
24) Chloroform-d	4.38	84	168050	47.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.10%
26) 1,2-Dichloroethane-d4	5.06	65	118180	51.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.96%
32) Benzene-d6	5.08	84	340353	49.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.98%
36) 1,2-Dichloropropane-d6	6.09	67	113492	50.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.96%
41) Toluene-d8	7.34	98	297331	48.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.16%
43) trans-1,3-Dichloropropene-	7.64	79	46995	46.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.18%
47) 2-Hexanone-d5	8.11	63	60096	83.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.30%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	131966	45.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.16%
64) 1,2-Dichlorobenzene-d4	11.65	152	119381	53.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.30%

Target Compounds

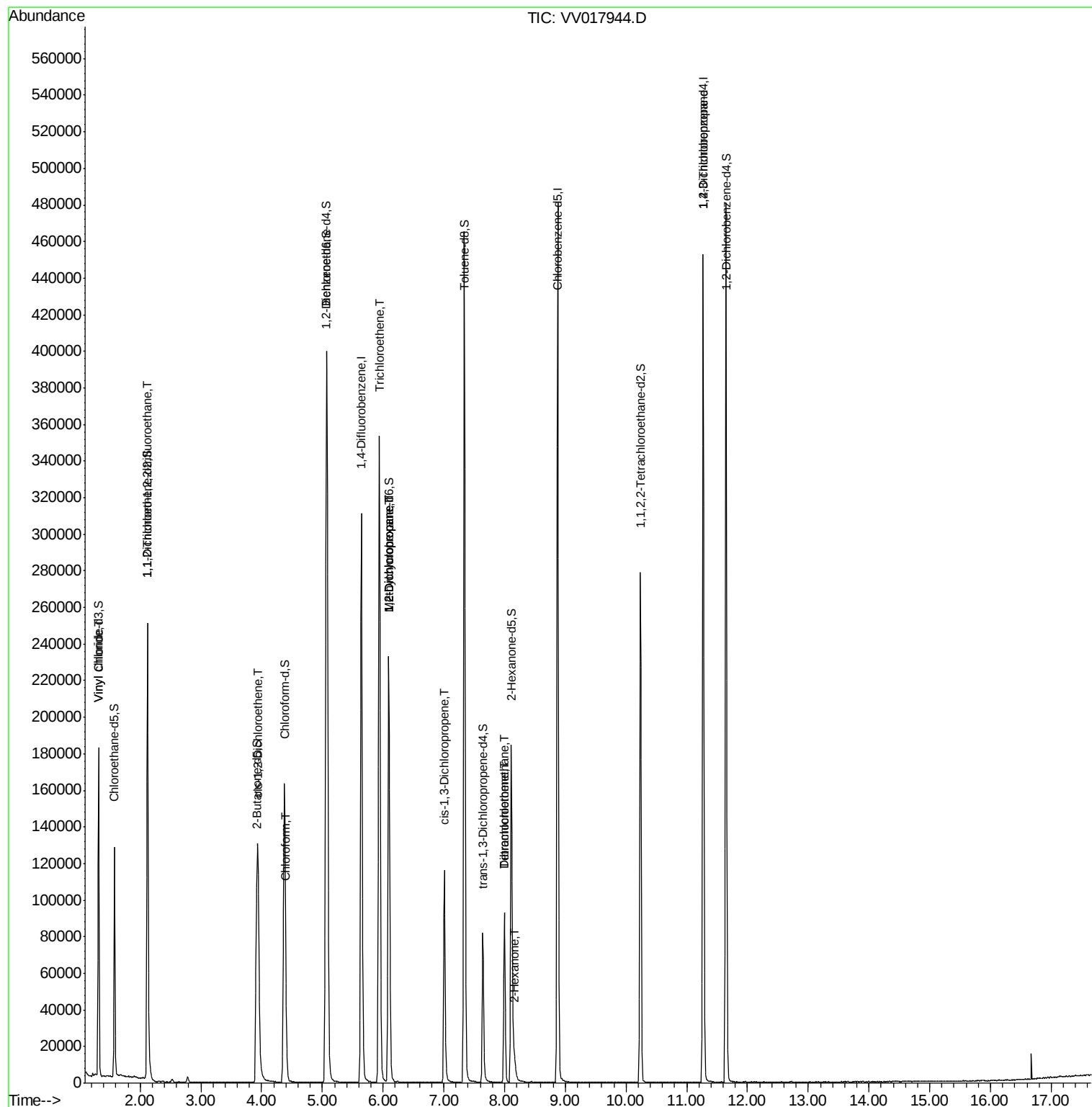
					Ovalue
5) Vinyl chloride	1.32	62	25157	11.125	ug/L 92
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1194	0.662	ug/L # 20
20) cis-1,2-Dichloroethene	3.94	96	51464	26.689	ug/L 100
25) Chloroform	4.41	83	3541	0.984	ug/L 86
34) Trichloroethene	5.94	95	122993	60.272	ug/L 99
35) Methylcyclohexane	6.09	83	26359	8.687	ug/L # 17
37) 1,2-Dichloropropane	6.10	63	12521	5.947	ug/L # 87
39) cis-1,3-Dichloropropene	7.01	75	2843	0.953	ug/L # 65
46) Tetrachloroethene	8.00	164	20823	13.914	ug/L 98
48) 2-Hexanone	8.16	43	6498	2.928	ug/L # 96
49) Dibromochloromethane	8.00	129	19166	10.071	ug/L # 10
59) 1,2,3-Trichloropropane	11.27	75	14175	5.452	ug/L 92

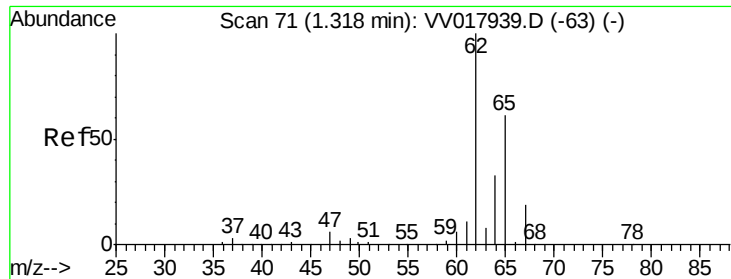
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Aug 13 05:58:58 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 11.125 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017944.D

Acq: 12 Aug 2020 23:00

Instrument :

MSVOA_V

ClientSampleID :

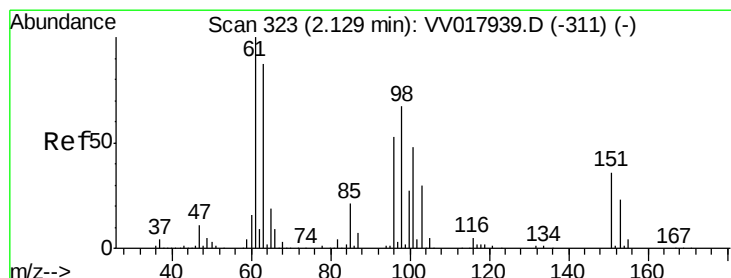
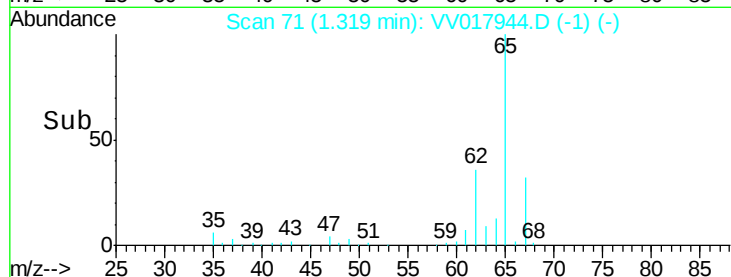
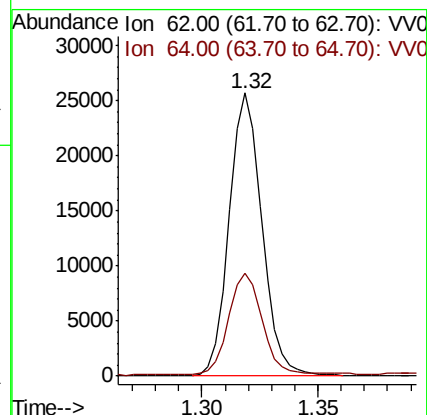
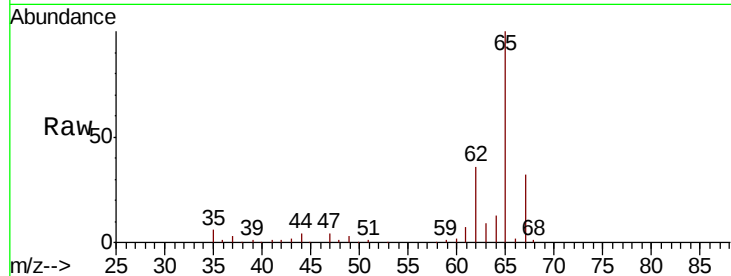
F2L66DL

Tot Ion: 62 Resp: 25157

Ion Ratio Lower Upper

62 100

64 36.5 22.4 41.6



#10

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

Concen: 0.662 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017944.D

Acq: 12 Aug 2020 23:00

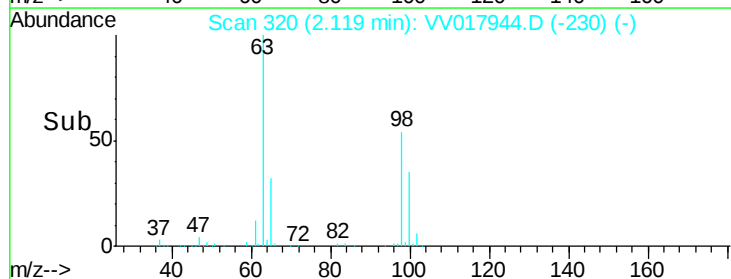
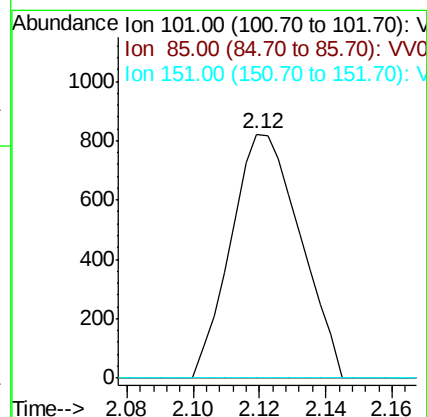
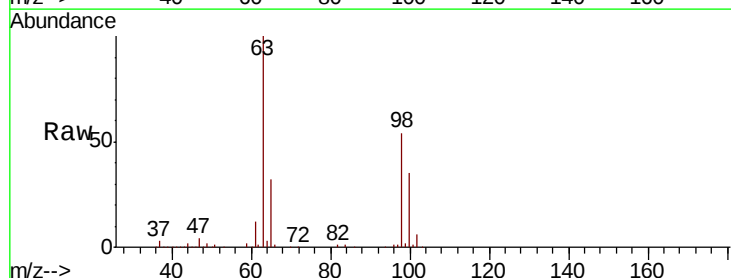
Tgt Ion: 101 Resp: 1194

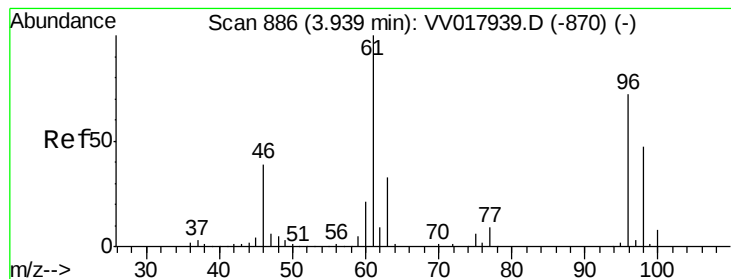
Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

151 0.0 59.1 88.7#





#20

cis-1,2-Dichloroethene

Concen: 26.689 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017944.D

Acq: 12 Aug 2020 23:00

Instrument :

MSVOA_V

ClientSampleId :

F2L66DL

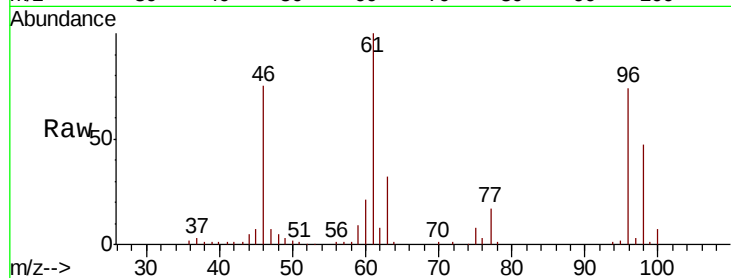
Tot Ion: 96 Resp: 51464

Ion Ratio Lower Upper

96 100

61 135.4 95.0 176.4

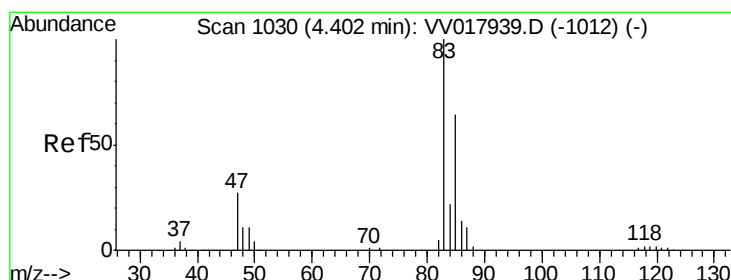
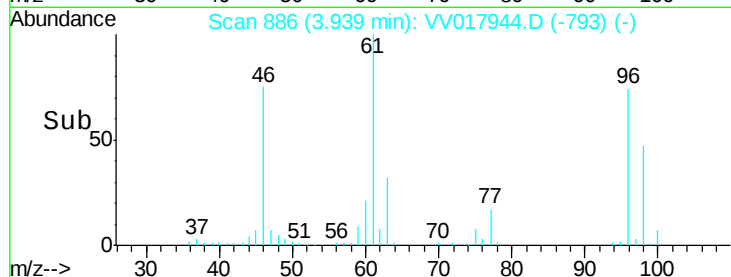
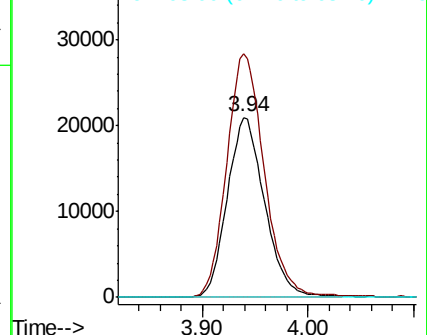
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV017939.D (-870) (-)

Ion 61.00 (60.70 to 61.70): VV017939.D (-870) (-)

Ion 68.00 (67.70 to 68.70): VV017939.D (-870) (-)



#25

Chloroform

Concen: 0.984 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV017944.D

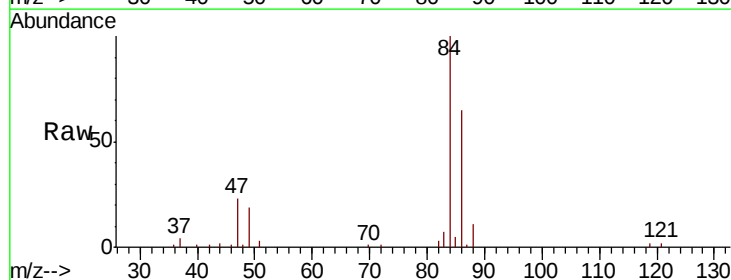
Acq: 12 Aug 2020 23:00

Tgt Ion: 83 Resp: 3541

Ion Ratio Lower Upper

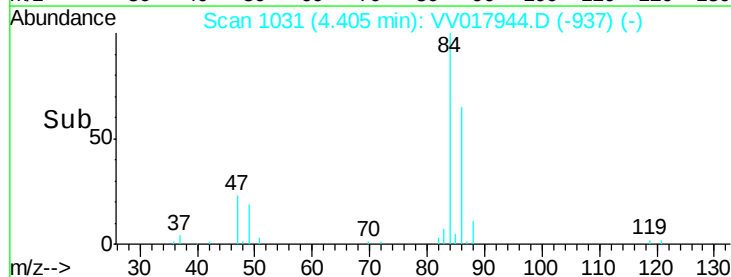
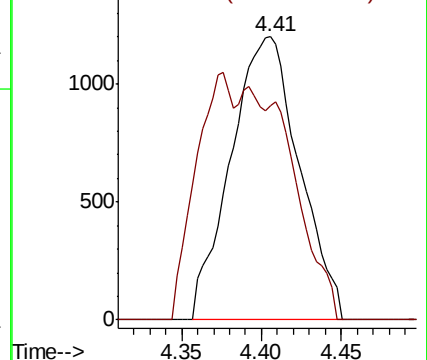
83 100

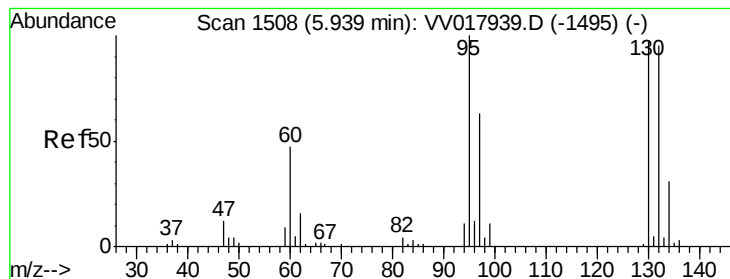
85 75.9 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VV017939.D (-1012) (-)

Ion 85.00 (84.70 to 85.70): VV017939.D (-1012) (-)





#34

Trichloroethene

Concen: 60.272 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017944.D

Acq: 12 Aug 2020 23:00

Instrument :

MSVOA_V

ClientSampleID :

F2L66DL

Tot Ion: 95 Resp: 122993

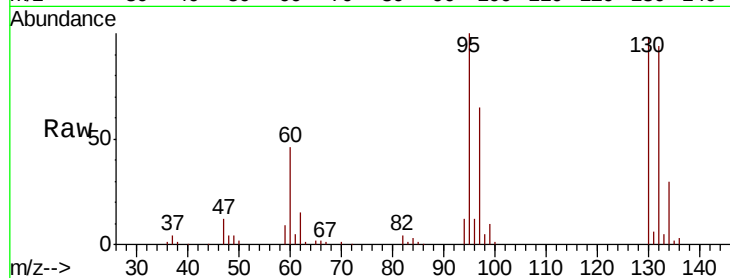
Ion Ratio Lower Upper

95 100

97 64.5 46.0 85.4

132 93.9 65.8 122.2

130 98.0 69.2 128.6

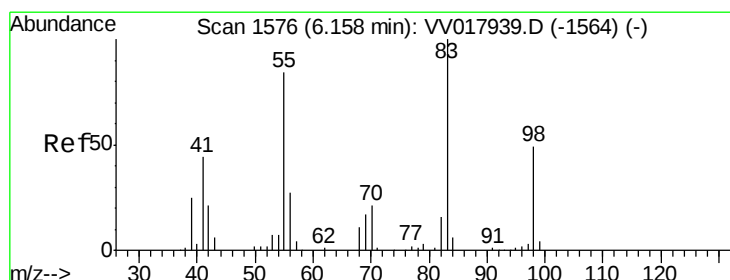
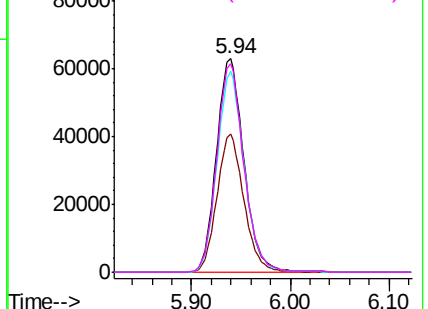
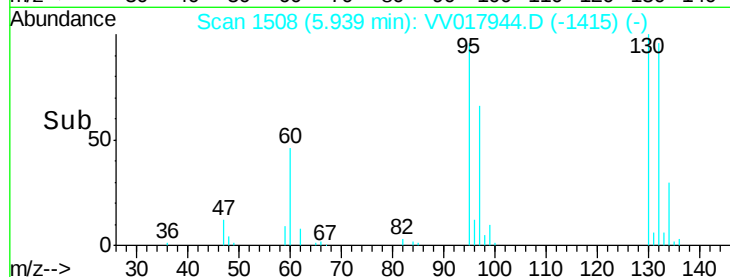


Abundance Ion 95.00 (94.70 to 95.70): VV017939.D (-1495) (-)

Ion 97.00 (96.70 to 97.70): VV017939.D (-1495) (-)

Ion 132.00 (131.70 to 132.70): VV017939.D (-1495) (-)

Ion 130.00 (129.70 to 130.70): VV017939.D (-1495) (-)



#35

Methylcyclohexane

Concen: 8.687 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV017944.D

Acq: 12 Aug 2020 23:00

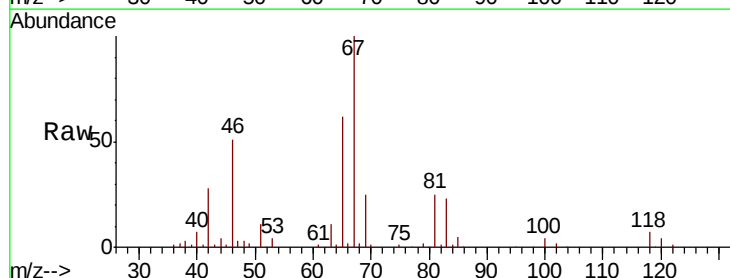
Tgt Ion: 83 Resp: 26359

Ion Ratio Lower Upper

83 100

55 0.2 64.9 97.3#

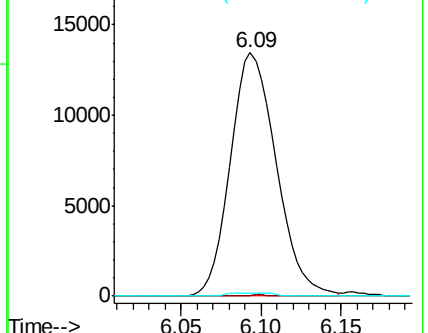
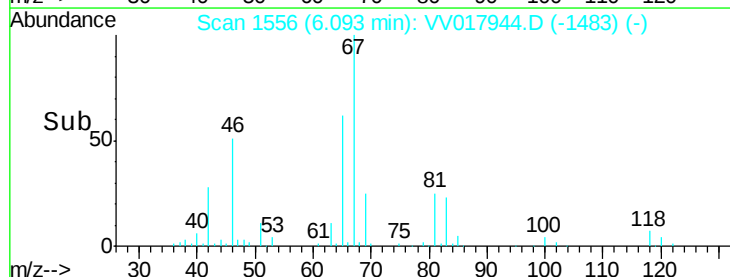
98 1.3 38.7 58.1#

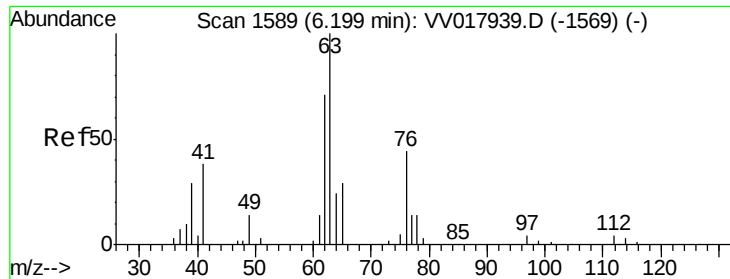


Abundance Ion 83.00 (82.70 to 83.70): VV017939.D (-1564) (-)

Ion 55.00 (54.70 to 55.70): VV017939.D (-1564) (-)

Ion 98.00 (97.70 to 98.70): VV017939.D (-1564) (-)

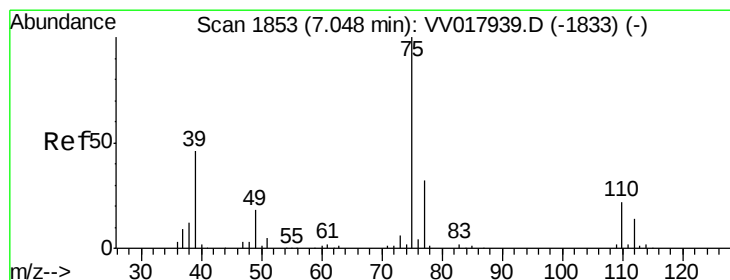
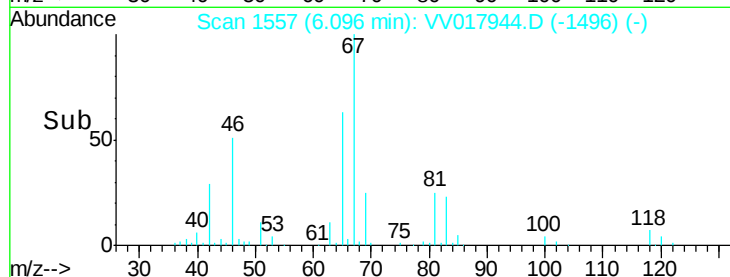
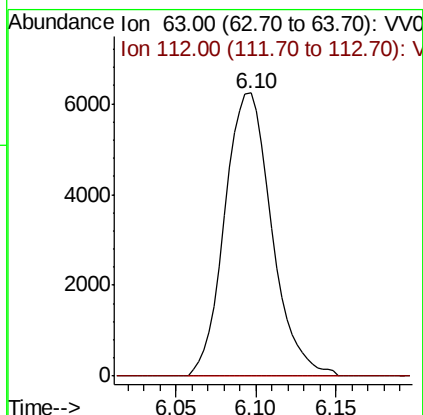
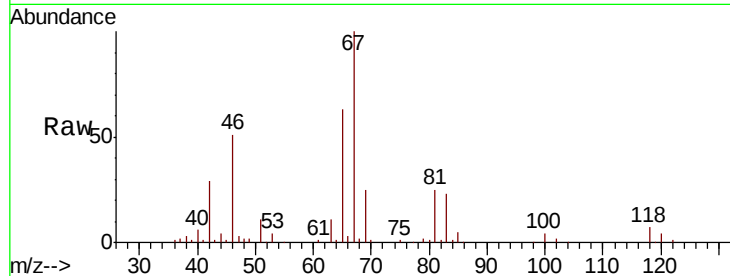




#37
 1,2-Dichloropropane
 Concen: 5.947 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV017944.D
 Acq: 12 Aug 2020 23:00

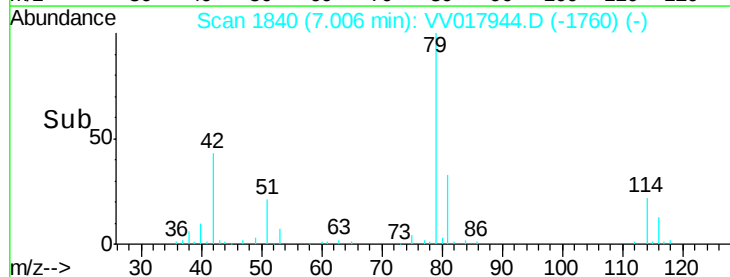
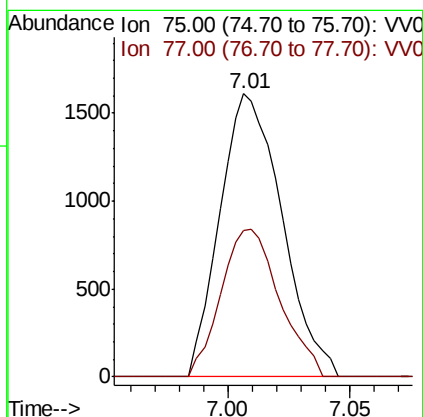
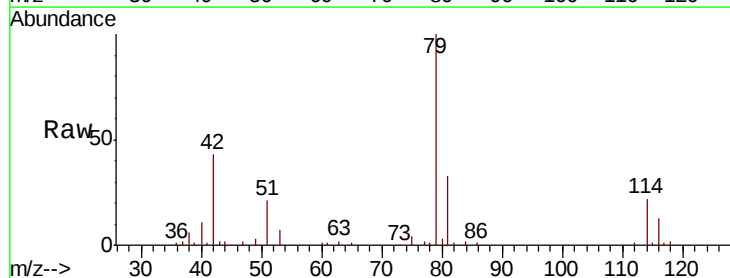
Instrument :
 MSVOA_V
 ClientSampleId :
 F2L66DL

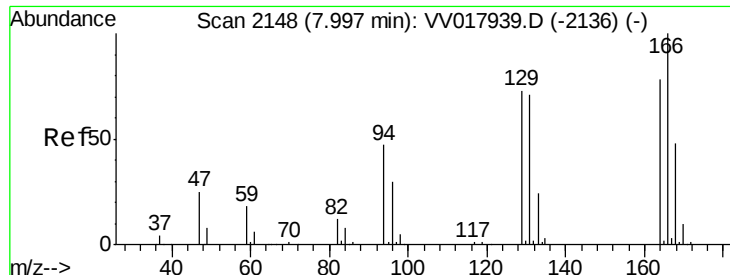
Tot Ion: 63 Resp: 12521
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.953 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV017944.D
 Acq: 12 Aug 2020 23:00

Tgt Ion: 75 Resp: 2843
 Ion Ratio Lower Upper
 75 100
 77 51.6 22.3 41.5#





#46

Tetrachloroethene

Concen: 13.914 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017944.D

Acq: 12 Aug 2020 23:00

Instrument :

MSVOA_V

ClientSampleId :

F2L66DL

Tot Ion:164 Resp: 20823

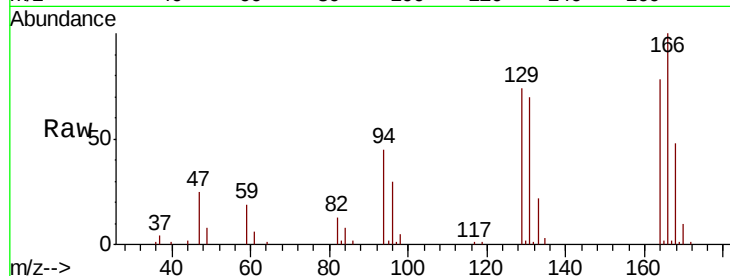
Ion Ratio Lower Upper

164 100

129 94.6 64.8 120.3

131 89.8 64.5 119.9

166 128.1 88.9 165.1



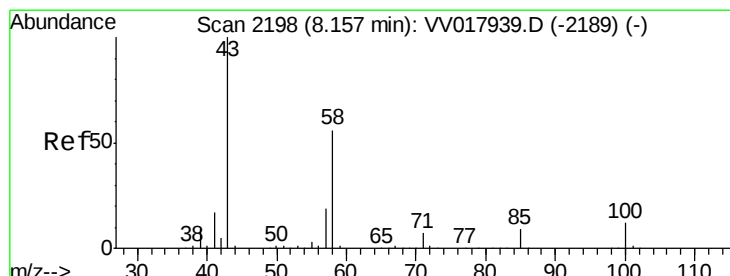
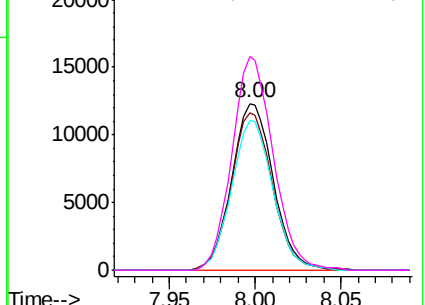
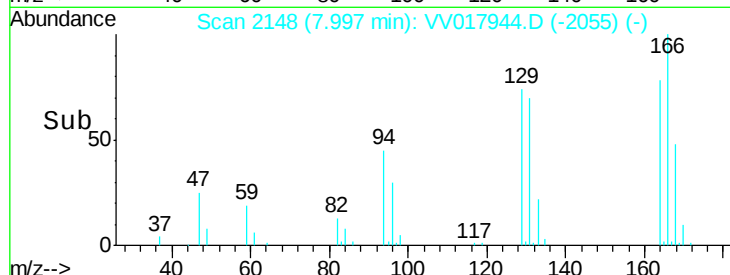
Abundance

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: 2.928 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV017944.D

Acq: 12 Aug 2020 23:00

Tgt Ion: 43 Resp: 6498

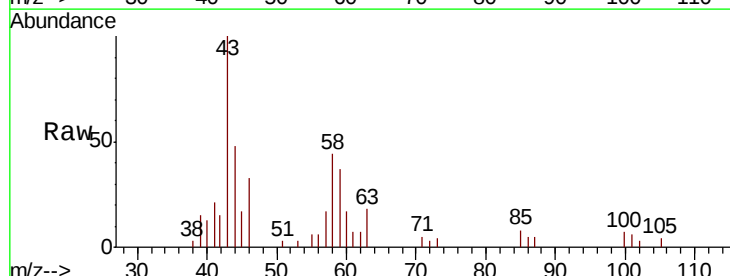
Ion Ratio Lower Upper

43 100

58 58.6 44.4 66.6

57 17.7 15.2 22.8

100 9.6 9.8 14.6#



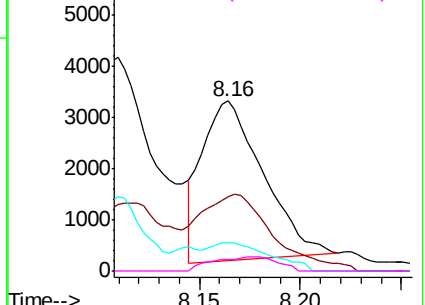
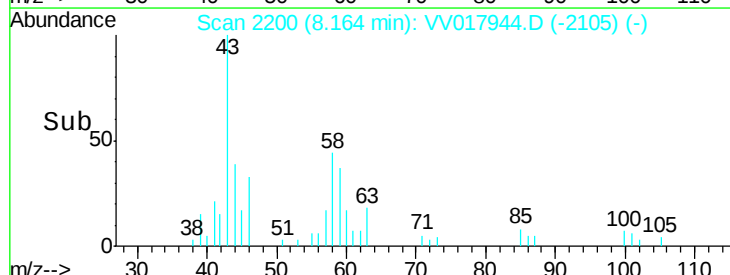
Abundance

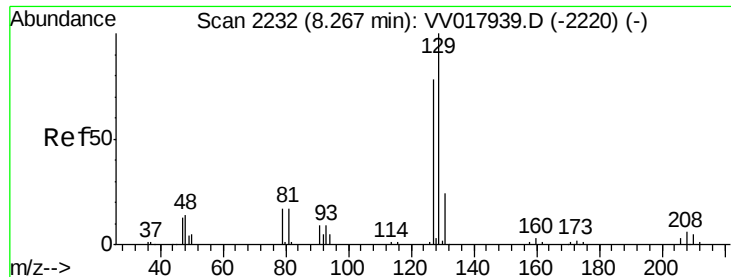
Ion 43.00 (42.70 to 43.70): VV0

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: 10.071 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV017944.D

Acq: 12 Aug 2020 23:00

Instrument :

MSVOA_V

ClientSampleId :

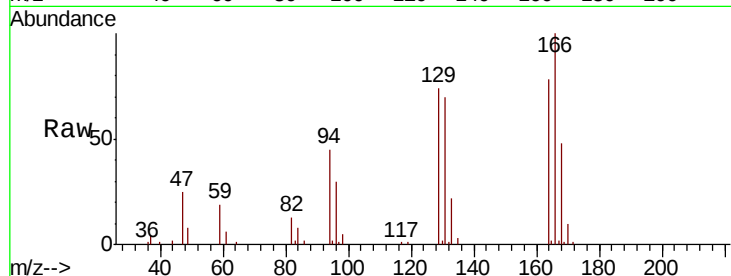
F2L66DL

Tot Ion:129 Resp: 19166

Ion Ratio Lower Upper

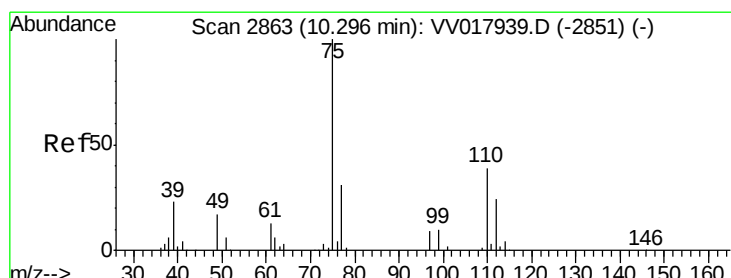
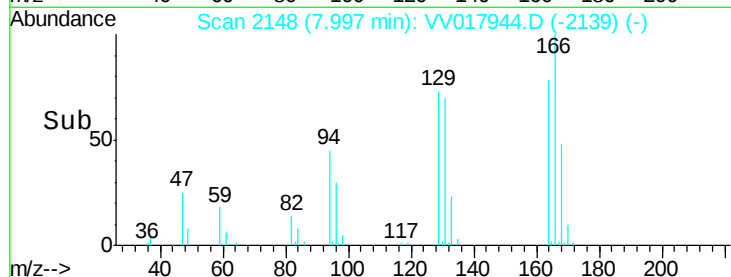
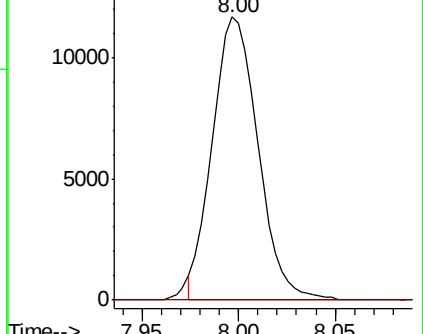
129 100

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: 5.452 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV017944.D

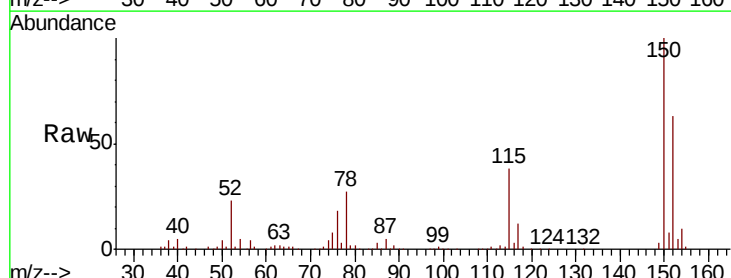
Acq: 12 Aug 2020 23:00

Tgt Ion: 75 Resp: 14175

Ion Ratio Lower Upper

75 100

77 36.7 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

